



COMAL COUNTY

ENGINEER'S OFFICE

License to Operate On-Site Sewage Treatment and Disposal Facility

Issued This Date: 11/12/2024 Permit Number: 117947

Location Description: 111 VALLEYVIEW ST
CANYON LAKE, TX 78133

Subdivision: Canyon Lake Mobile Home Estates
Unit: 2
Lot: 226
Block: N/A
Acreage: 0.2600

Type of System: Aerobic
Drip Irrigation

Issued to: Richard & Nanette Curtis

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.

Handwritten signature of Corey Allen in black ink.

ENVIRONMENTAL HEALTH INSPECTOR

Licensing Authority
Comal County Environmental Health
OS0036769

Handwritten signature of B. Medina in black ink.

ENVIRONMENTAL HEALTH COORDINATOR
Assistant: OS0034792

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 Drip Irrigation		285.33(c)(3)(A)-(F)				

**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: 117947 ***SEE BELOW FOR SPECIAL PERMIT CONDITION
Issued This Date: 10/18/2024
This permit is hereby given to: Richard & Nanette Curtis

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

111 VALLEYVIEW ST
CANYON LAKE, TX 78133

Subdivision: Canyon Lake Mobile Home Estates
Unit: 2
Lot: 226
Block: N/A
Acreage: 0.2600

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.

*****SPECIAL PERMIT CONDITION:
AS A CONDITION OF THIS PERMIT ALL PLUMBING TO THE SHED SHALL BE DISCONNECTED..**

Baker Septic Service, a Series LLC
Baker Septic Pumping PS LLC
PO Box 2221
Canyon Lake, TX 78133-0009
830-899-2971

RECEIVED

By Brenda Ritzen at 12:59 pm, Oct 29, 2024

Invoice

Bill To

Curtis, Richard
111 Valley View St
Canyon Lake, TX, 78133
412-298-0673

Date: 10/24/2024

Invoice # 17915

PAID
10/25/2024

Item	Description	Qty	Price	Amount
Pump	Septic pump up to 1000 gal.	1.00	450.00	450.00
Labor	Labor \$90.00/ hour			
Add. Waste	Additional waste \$0.45 per gallon			
Other	(credit card fee)	450.00	0.04	18.00

bakersepticsservice@yahoo.com

Subtotal \$468.00
Sales Tax (8... \$0.00
Total \$468.00
Payments/Credit: -\$468.00
Balance Due \$0.00

Preliminary Field Check For Drip Systems

DATE: 10/14/24

INSPECTOR: Corey Allen

OBSERVATION: One probe at 8 inches one probe at 12 inches



ON-SITE SEWAGE FACILITY APPLICATION

Date 9/17/2024

Permit Number

REVISED
9:38 am, Oct 18, 2024

1. APPLICANT / AGENT INFORMATION

Owner Name Richard & Nanette Curtis
Mailing Address 203 PARLIAMENT DR.
City, State, Zip MOON TOWNSHIP, PA 15108
Phone # (412) 298-0673
Email Richardcurtis203@gmail.com

Agent Name Steven Kubena
Agent Address 240 Sendera Crossing
City, State, Zip La Vernia, Tx 78121
Phone # (210) 296-4778
Email Surefloptic@gmail.com

2. LOCATION

Subdivision Name Canyon Lake Mobile Home Estates Unit 2 Lot 226 Block _____
Survey Name / Abstract Number _____ Acreage .26
Address 111 Valley View St. City Canyon Lake State Tx Zip 78133

3. TYPE OF DEVELOPMENT

Single Family Residential
Type of Construction (House, Mobile, RV, Etc.) Manufactured Home w/ Detached Living Space
Number of Bedrooms 3
Indicate Sq Ft of Living Area 1286

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: \$ 19,000 (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.

Richard Curtis Nanette Curtis
Signature of Owner

9-17-2024
Date

Planning Materials & Site Evaluation as Required Completed By Steven Kubena

REVISED

8:06 am, Oct 16, 2024

System Description Aerobic / Sub-Surface Drip Irrigation

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

Tank Size(s) (Gallons) 600 GPD Absorption/Application Area (Sq Ft) 1344

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.)

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

8/26/2024

Date

RECEIVED

By Brenda Ritzen at 2:47 pm, Oct 16, 2024

AFFIDAVIT OF A SINGLE FAMILY RESIDENCE

THE COUNTY OF COMAL
STATE OF TEXAS

Before me, the undersigned authority, on this day personally appeared:

Richard M. Nanette Curtis

who after being duly sworn, upon oath states that he/she is the owner of record of those certain tracts or parcels of land lying and being situated in Comal County, Texas, and being more particularly described as follows:

MOBILE HOME, DETACHED OFFICE/GUEST HOUSE, WORKSHOP (NO WATER DRAINAGE)
SMALL TOOL SHED. (NO WATER DRAINAGE)

The undersigned further states the following described structures:

See above.

on the said residential property are for one family and are routinely used only by members of the household of that one family. **I understand that use other than as described is an alteration to the septic permit and will require a new permit.**

WITNESS BY HAND(S) ON THE 16th DAY OF October, 2024

Richard Curtis

Nanette Curtis

Owner(s) signature(s)

SWORN TO AND SUBSCRIBED BEFORE ME ON THIS

16th DAY OF October, 2024

Joseph A Bousquet III
Notary Signature

Commonwealth of Pennsylvania - Notary Seal
JOSEPH A BOUSQUET III - Notary Public
Allegheny County
My Commission Expires September 8, 2026
Commission Number 1337011

2/c



AFFIDAVIT TO THE PUBLIC

THE COUNTY OF COMAL
STATE OF TEXAS

CERTIFICATION OF OSSF REQUIRING MAINTENANCE

According to Texas Commission on Environmental Quality Rules for On-Site Sewage Facilities (OSSF's), 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 (commission) to regulate on-site sewage facilities (OSSFs). Additionally, the Texas Water Code (TWC), § 5.012 and § 5.013, gives 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 owner's to provide notice to the public that certain types of OSSFs are located on specific pieces of property. To achieve this notice, the commission requires a recorded affidavit. Additionally, the owner must provide proof of the recording to the OSSF permitting authority. This recorded affidavit is not a representation or warranty by the commission of the suitability of this OSSF, nor does it constitute any guarantee by the commission that the appropriate OSSF was installed.

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

Lot 226, Canyon Lake Mobile Home Estates, Unit 2, Comal County, Tx

The property is owned by (Insert owner's full name): Richard & Nanette Curtis

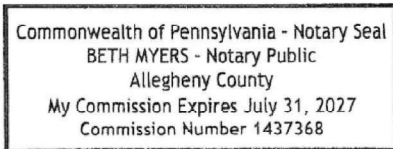
This OSSF must be covered by a continuous maintenance contract for the first two years. After the initial two-year service policy, the owner of an aerobic treatment system for a single family residence shall either obtain a maintenance contract within 30 days or maintain the system personally.

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 the OSSF can be obtained from the Comal County Engineer's Office.

WITNESS BY HAND(S) ON THIS 17 DAY OF September, 2024

Beth Myers

Richard Curtis Nanette Curtis
Owner(s) signature(s) Richard & Nanette Curtis



SWORN TO AND SUBSCRIBED BEFORE ME ON THIS 17 DAY OF September 2024



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

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

Filed and Recorded
Official Public Records
Bobbie Koepp, County Clerk
Comal County, Texas
09/25/2024 08:04:08 AM
MARY 2 Page(s)
202406028986

Created 7/27/15



Bobbie Koepp

Countryside Construction, Inc.
300 Chapman Parkway, Canyon Lake, TX. 78133
Phone: 830-899-2615 or 1-888-379-3721 Fax: 830-899-6662
Septic System Service Agreement

In consideration of payment for this service contract, we will abide by and agree to its terms and conditions:

Name: RICHARD CURTIS Address: 111 VALLEY VIEW ST
 Sub-Div./County: COMAL City, State, Zip Code CANYON LAKE TX 78133
 Permit #: _____ TYPE, Model# & SIZE: 600 GPD solar air Serial #: _____
 Phone: 412-298-0673

(X) Initial Two Year Service & Two Year Limited Warranty

Legal Description: Lot# Subdivision County

The effective date of the initial maintenance contract shall be the date the License to Operate is issued.

This contract will be in effect FROM: LTO TO: _____

Countryside Construction, Inc. will provide the following:

- An inspection every (4) four months which will include: Servicing of the mechanical & electrical components as necessary to insure system is functioning as engineer designed, pulling and cleaning the Norweco Brand aerator shaft, cleaning compressor air filters of other brands, check chlorine, conduct solids test to determine if system should be pumped, back flushing tubing for drip irrigation fields and checking sprinklers on above ground systems.
- 1) The property owner is responsible for "purchasing and keeping chlorine" in the chlorinator, (if applicable). If the chlorine test reveals "No Chlorine" in the system, the property owner may incur an additional cost.
 - 2) If any improper operation is observed (which cannot be corrected at that time) the property owner will be notified immediately of the conditions and the estimated cost.
 - 3) ANY PARTS, WARRANTY OR NON-WARRANTY, FREIGHT CHARGES, LABOR OR SERVICE CALLS NOT PAID IN FULL AT THE END OF (30) DAYS SHALL REMAIN THE PROPERTY OF COUNTRYSIDE CONSTRUCTION AND AUTHORIZES CONTRACTOR TO REMOVE AND REPOSSESS ANY PARTS INSTALLED. CLIENT FURTHER AGREES TO PAY ANY LABOR COST OF THE INSTALLATION AND REASONABLE COST OF REMOVAL OF SAID PARTS.
 - 4) THE SIGNING OF THIS SERVICE AGREEMENT AUTHORIZES COUNTRYSIDE CONSTRUCTION TO ENTER THE PROPERTY TO EXECUTE ALL TERMS OF THIS CONTRACT.

Countryside Construction, Inc., will warranty installation of the septic system to be according to state and county regulations and the designs approved by the county. **HOMEOWNER WILL BE RESPONSIBLE FOR SERVICE CALLS, LABOR AND SHIPPING COSTS ON ANY "WARRANTIED PARTS" EXCHANGED DURING WARRANTY.** All other components will be according to manufacturer's warranties.

Important: As Countryside Construction, Inc. cannot control what or how much effluent goes into this septic system, we cannot warranty how the system will function. Refer to manufacturers or installer's instructions, for suggestions on septic operation. If necessary, between inspections, it is the property owner's responsibility to clean the micron filters on drip irrigation systems. This service agreement does not cover the cost of "service calls, labor or materials that are required or parts out of warranty, the failure to maintain electrical power to the system, sprinklers that are broken, leaking, stopped-up or otherwise mal-functioning; or sewage flows exceeding the hydraulic/organic design capabilities and the input of non-biodegradable materials (solvents, grease, oil, paints, etc.), or any usage contrary to the requirements as advised by authorized service representative. Laboratory test work is available at an additional cost. Chlorine, filters, or parts that are out of warranty are available at a reasonable cost.

This contract does not include the pumping of a tank or of any compartment of a tank, or settlement of soil on or around any part of the system regardless of reason:

Violations of the warranty also include: disconnecting the alarm, restricting ventilation to the aerator, overloading the system above its rated capacity; or flooding by external means. Rodent, insect or fire ant damage or any other form of unusual abuse is a violation. A renewal service contract should be "activated" (30) thirty days before expiration of existing contract. We will contact property owner prior to expiration of existing contract.

Serviced by: Countryside Construction Inc.

Walker Chapman - Installer's Licensee #OS0002929-OSSF

Maintenance Provider Licensee #MP0000035

(X) [Signature] Print Name (X) RICHARD CURTIS Date: 9/16/2024
 Property Owner Signature NANCETTE CURTIS NANCETTE CURTIS 9/16/2024
 (X) Walker Chapman Date: _____ Authorized Service Representative (revised 08/13/2020)

OSSF SOIL EVALUATION

Date Performed: 8/13/2024 Proposed Excavation Depth: 6"

Property Location: 111 Valley View St. Canyon Lake, Tx 78133 Textural Class Determined For Drain field: III

Name of Site Evaluator: Steven Kubena Registration Number: OS0037188

Requirements:

At least two (2) soil excavations must be performed on the site, at opposite ends of the proposed disposal area. Location of soil boring or dug pits must be shown on the site drawing. For subsurface disposal, soil evaluations must be performed to a depth of at least two (2) feet below the proposed excavation depth. For surface disposal, the surface horizon must be evaluated. Describe each soil horizon and identify any restrictive features on this form. Indicate depths where features appear.

Soil Boring Number <u>1</u>					
Depth (Feet)	Textural Class	Structure (if applicable)	Drainage (Mottles) Water Table	Restrictive Horizon	Observations
0 1 2 3 4 5	III	None	None	None	Clay Loam 0"-18" Caliche @18"

Soil Boring Number <u>2</u>					
Depth (Feet)	Textural Class	Structure (if applicable)	Drainage (Mottles) Water Table	Restrictive Horizon	Observations
0 1 2 3 4 5					SAME AS ABOVE

ATTACH COPY OF SITE DRAWING

Features of Site Area

Presence of 100 year flood zone		AD
Presence of upper water shed	Yes	No
Presence of adjacent ponds, streams, water impoundments	Yes	No
Existing or proposed water well in nearby area	Yes	No
Organized sewage service available to lot or tract	Yes	No

I certify that the findings of this report are based on my field observations and are accurate to the best of my ability.

Steven Kubena
Signature of Site Evaluator

8/26/2024
Date

REVISED

8:17 am, Nov 04, 2024

Steven Kubena, R.S., S.E.

240 Sendera Crossing

La Vernia, Texas 78121

Mobile (210) 296-4778 Surefloseptic@gmail.com

OSSF DESIGN

Owner: **Richard & Nanette Curtis**

Location: 111 Valley View St. Canyon Lake, Texas 78133

Phone: (412) 298-0673

Date: 8/26/2024

Development: **Manufactured Home w/ Detached Living Space and a Shed with a Sink - Water Saving Devices**

Manufactured Home (**180 gpd**) - Bedrooms: **2** Sq. Ft: **800**

Detached Living Space (**60 gpd**) - Bedrooms: **1** Sq. Ft: **486**

Shed w/ a Sink (**5 gpd**) - Bedrooms: **0** Sq. Ft: **0**

Q: **245 gpd**

Soil: **III**

R_a: **0.2 gall/ft²/day**

System Type: **Aerobic/Sub-Surface Drip (Solar Aerobics SA-600LP - 600 GPD) (Or Equivalent)**

Minimum Required ATU Treatment Capacity: **500 gpd**

Trash Tank: 375 gall Aerobic Tank: 600 gpd Pump Tank: 778 gall

Supply Line: **Sch 40, 1" purple (~44')** Check Valve Required: **No**

Minimum Application Area (A): 1225 ft² (A = Q/R_a)

Minimum Drip Line Length (L): 612.5 LF (L = A/2)

Drip Line: **Netafim .62 GPH Emitters @ Every 2'**

Pump Used: **Blaster Model 12EB-05 (Or Equivalent)**

- **Timer set to spray between 12:00 AM & 5:00 AM**



Steven Kubena

REVISED

8:11 am, Oct 16, 2024

OSSF Design Notes:



Steven Kubena

Lot 226
Canyon Lake Mobile Home Estates, Unit 2
.26 ACRES

LOT IS NOT LOCATED IN THE 100 YEAR FLOOD PLAIN BUT WITHIN THE CONTRIBUTING ZONE. THE SUBDIVISION DOES NOT HAVE A CURRENT WPAP, BUT THIS DESIGN IS EXEMPT FROM PERMANENT BMP'S DUE TO A SINGLE FAMILY RESIDENCE WITH LESS THAN 20 PERCENT IMPERVIOUS COVER.

KEY NOTES:

1. Design is for a 2BD/800SF Manufactured Home w/ a detached 1BD/486SF living space. Design is based on a maximum wastewater rate of 240 gpd. (Combined Living Square footage of 1,286)
2. This design replaces an existing OSSF system. The existing septic tank and pump tank (T) shall be pump and filled.
3. Install a minimum **500 gpd ATU**. External disconnect within site of the pump tank, pumps and alarms on separate breakers, audible and visual high water alarms and external wiring in conduit required.
4. **Install a 2-way cleanout** in a 3" or 4" sch 40 tightline from both the main residence and detached living space to the ATU as shown, Minimum slope 1/8 in/ft.
5. Install 672' of Netafim 0.62 gph dripline as shown. No single lateral shall exceed 400' in length. The drip lines will be laid on two foot centers, parallel with the contour of the land, **and on 12 inches of suitable soil (Class II or Class III)**. The drip lines will then be covered with a minimum of 6 inches of suitable soil (Class II or Class III). Flexible pvc shall be used on all loops.
6. Supply and Flush lines are purple **1" schedule 40**. A vacuum relief valve (R) shall be installed on the supply and flush lines at their highest points. Valves shall be installed in valve boxes with pea gravel. **Sewer pipes installed underneath or within 5' of a structure shall be sleeved or sch 80 PVC.**
7. Water line to be sleeved in 2" Sch 40 PVC in any areas closer than 10' from Septic System or Septic Field. This process exceeds TAC 30 Chapter 290, 44 (e) (B) (i).
8. A 100-130 micron disc filter shall be installed in the supply line inside of the pump chamber.
9. Backflush shall be manual with a 1" ball valve installed in the flush line inside the pump tank or in a valve box. Flush line shall terminate in the pump tank.
10. Timer shall be set to run the pump every 2 hours for a 5 minute duration.
11. Grass shall be planted over the drip field. Vehicles should not be driven over the drip field.



REVISED

10:15 am, Nov 04, 2024



Phone: (210) 296-4778 Email: Surefloptic@gmail.com

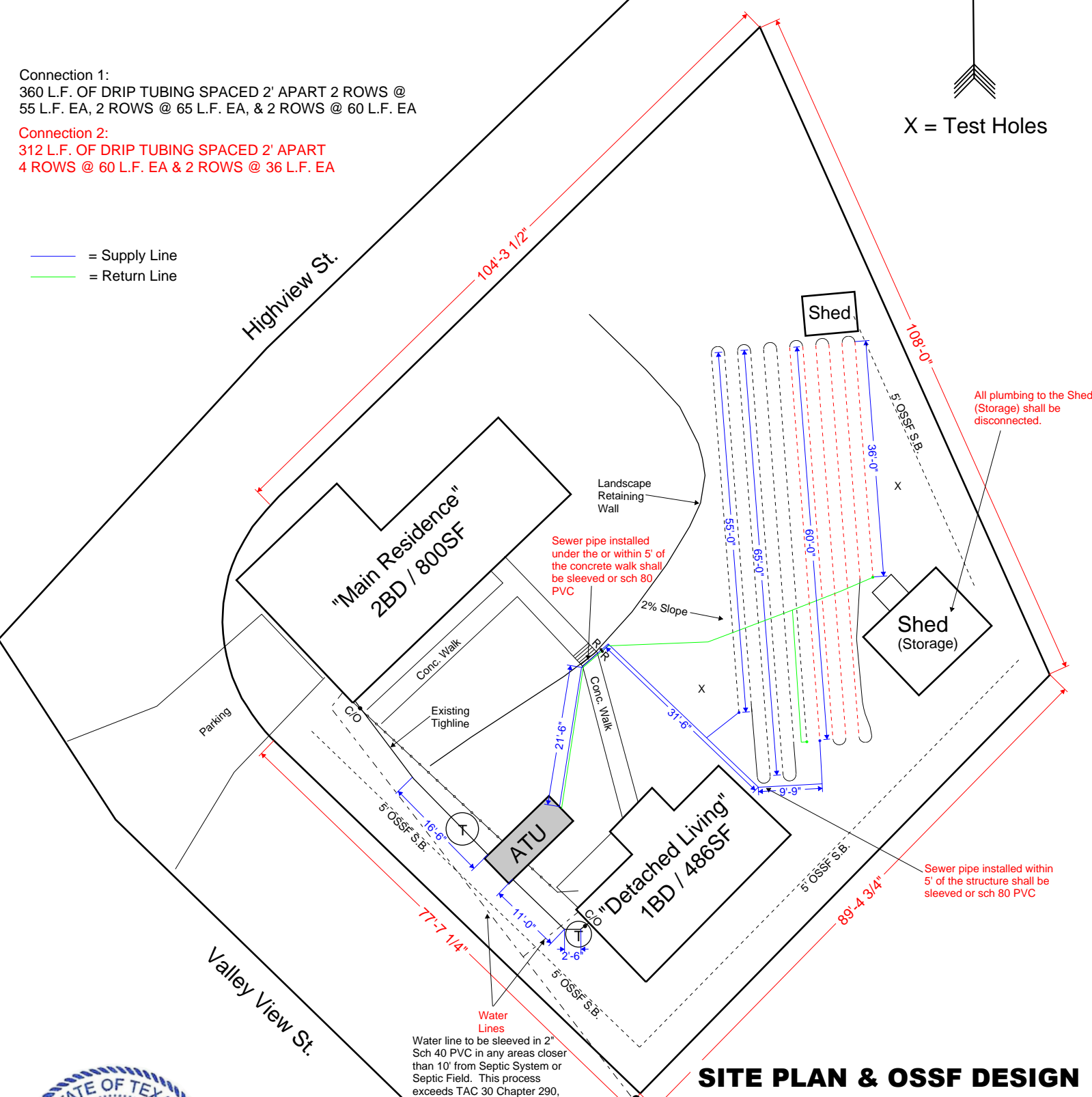


X = Test Holes

Connection 1:
360 L.F. OF DRIP TUBING SPACED 2' APART 2 ROWS @
55 L.F. EA, 2 ROWS @ 65 L.F. EA, & 2 ROWS @ 60 L.F. EA

Connection 2:
312 L.F. OF DRIP TUBING SPACED 2' APART
4 ROWS @ 60 L.F. EA & 2 ROWS @ 36 L.F. EA

— = Supply Line
— = Return Line



SITE PLAN & OSSF DESIGN

RICHARD & NANETTE CURTIS
111 VALLEY VIEW ST.
CANYON LAKE, TX 78133

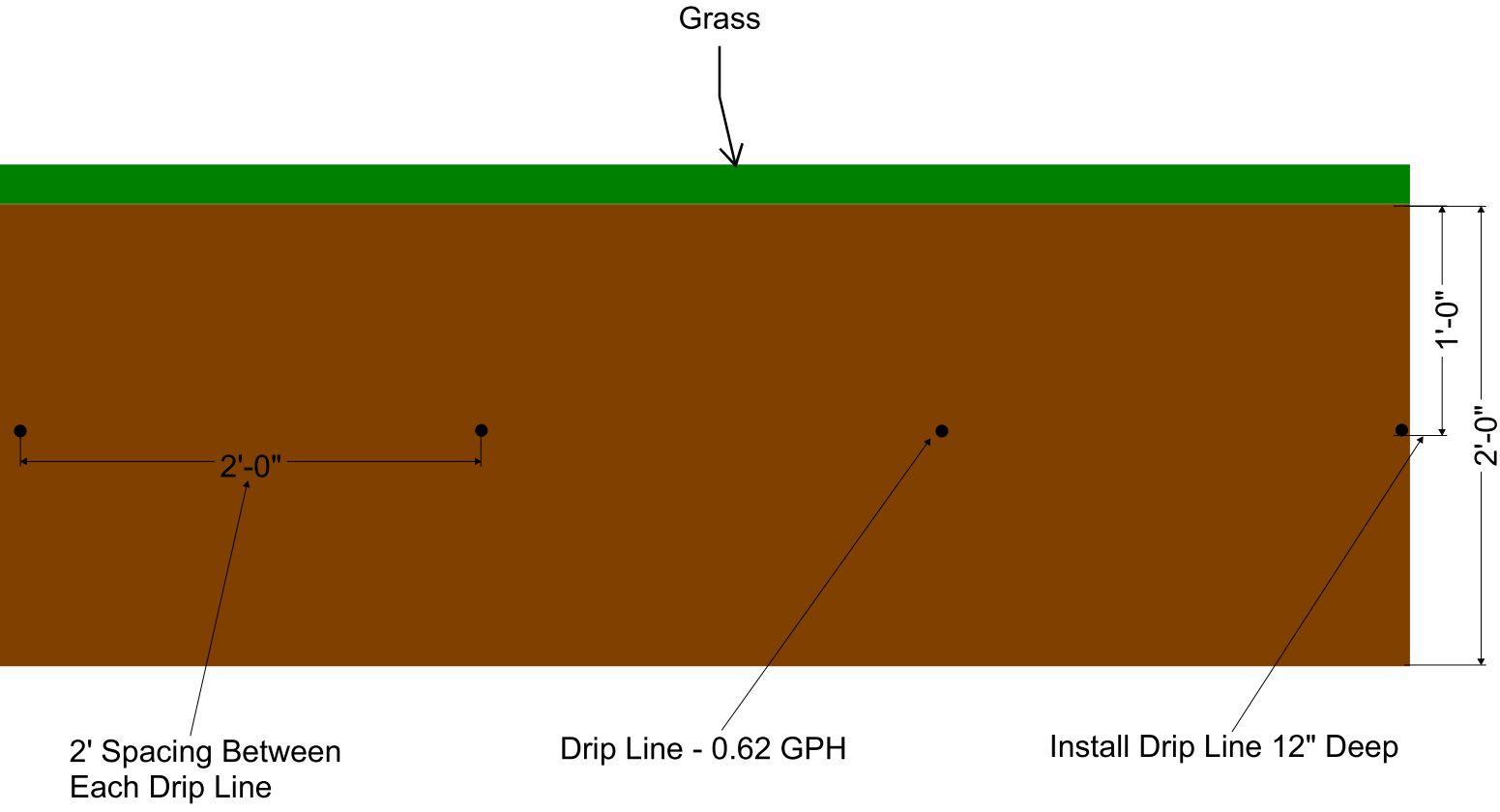
STEVEN KUBENA, R.S
240 SENDERA XING
LA VERNIA, TEXAS 78121
(210) 296-4778

DATE:
8/26/2024
SCALE: 1" = 20'



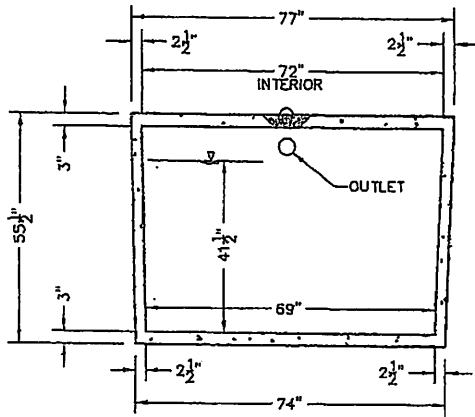
Steven Kubena

Sub-Surface Drip Irrigation Trench Cross-Section

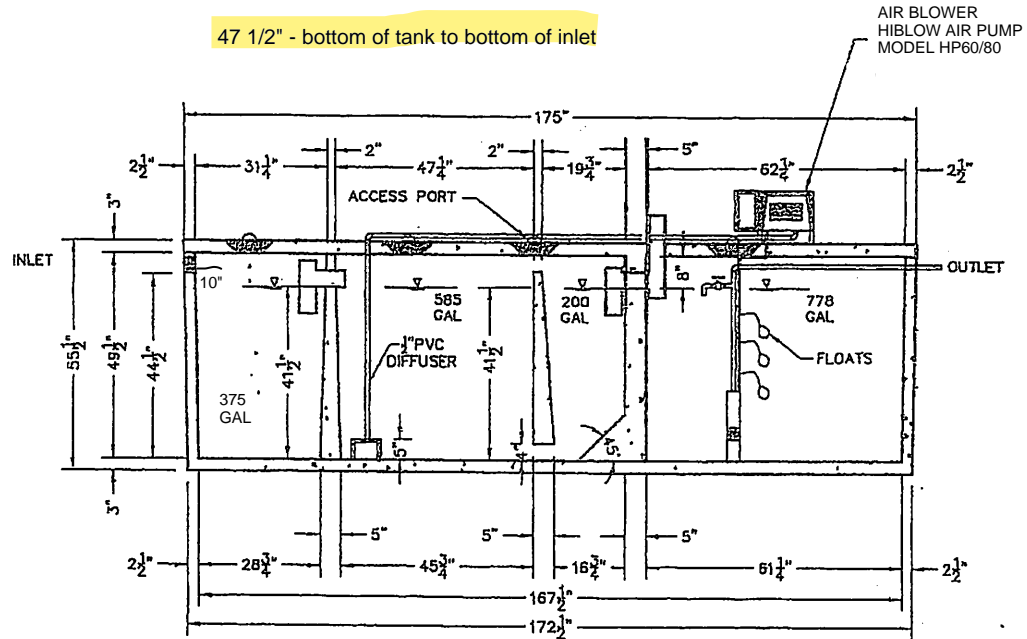


Steven Kubena

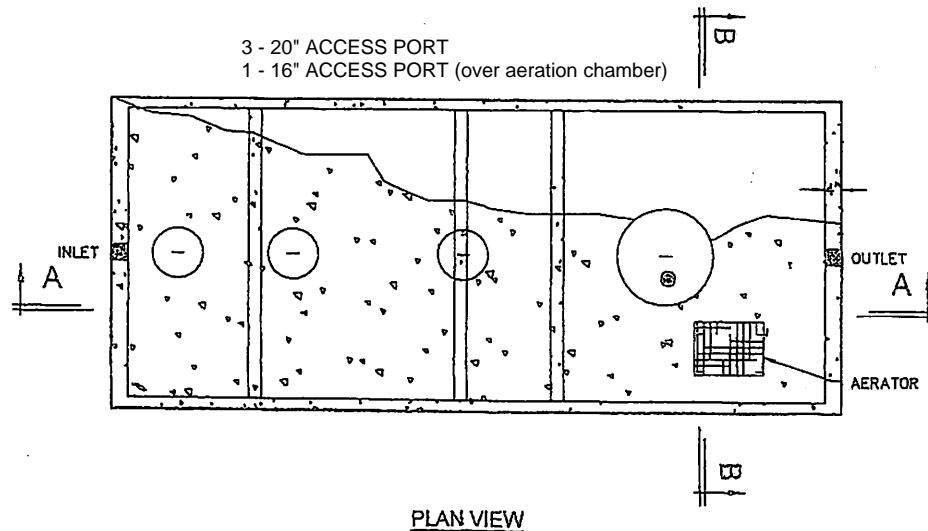
REVISED
8:17 am, Nov 04, 2024



SECTION B-B



SECTION A-A



PLAN VIEW

TOTAL EMPTY WEIGHT: #16880

SA600LP

DATE	DEC 2010	PROJECT NO.	SA-3
SHEET	10	SCALE	30" = 10'
REVISIONS			
NO.			
DATE			
SOLAR AEROBIC 6754 HWY 80 EAST LAKE CHARLES, LA 70615 PHONE: (337) 439-0800			
MODEL SAS00-769BT SEWER TREATMENT SYSTEM			
DESIGNER: ESC			
DRAWN: ESC			
CHECKER: ESC			

REVISED

8:17 am, Nov 04, 2024

Float Setting for SA-600LP

These are measurements from bottom of tank to attachment to the pump stalk. The HWA has a 4" tail from attached position to bulb. The override float has a 4" tail from attached position to bulb. The off/on has a 13.5" tail from attached position to the bulb.

Solar Aerobic Sa-600LP

Off/On 19.5"

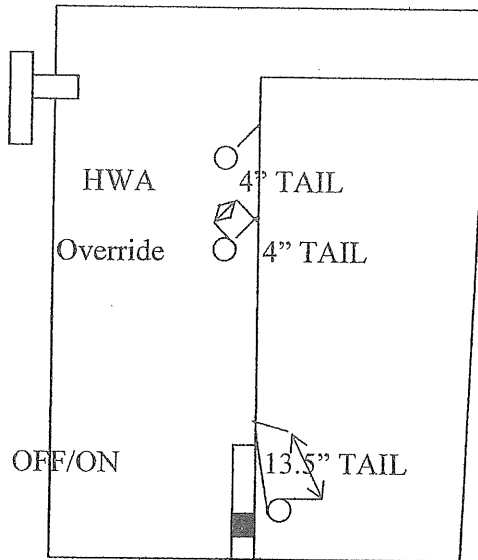
Off at 10" approximately 187 gallons
On at 30" approximately 563 gallons

Override 31"

Off at 26" approximately 488 gallons
On at 33" approximately 620 gallons

HWA 46"

Off at 33" approximately 620 gallons
On at 48" approximately 695 gallons



BLASTER®

Filtered Effluent Pump

SPECIFICATIONS

Model	Flow Range GPM	Horsepower Range	Best Eff. GPM	Discharge Connection	Maximum Solids Size	Rotation [Ⓛ]
8EB	1.5 - 10	1/2 - 1	7	1 1/4"	1/16" dia.	CCW
12EB	3 - 16	1/2 - 1 1/2	10	1 1/4"	1/16" dia.	CCW
20EB	6 - 28	1/2 - 1 1/2	18	1 1/4"	1/16" dia.	CCW
33EB	10 - 50	1/2 - 1 1/2	33	1 1/4"	1/16" dia.	CCW
55EB	20 - 80	1/2 - 1 1/2	55	1 1/4"	1/16" dia.	CCW

Ⓛ Rotation is counterclockwise when observed from pump discharge end.

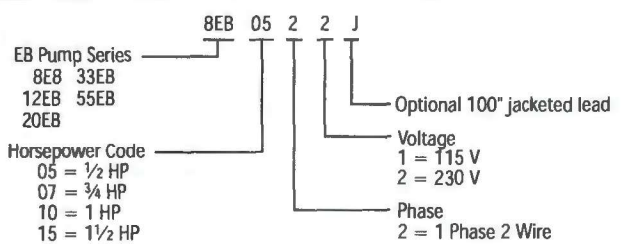
"EB" SERIES MATERIALS OF CONSTRUCTION

Part Name	Material
Discharge Head	Glass Filled Thermo-Plastic
Check Valve Poppet	Thermo-Plastic
Check Valve O-ring	E P Rubber
Bearing Spider - Upper	Glass Filled Polycarbonate
Bearing	Urethane
Klipring	AISI 301 SS
Diffuser	Glass Filled * Noryl™
Impeller	Noryl™
Bowl	AISI 304 SS
Shim	AISI 304 SS
Spacer	AISI 304 SS, Powder Metal
Inlet Strainer	Glass Filled Thermo-Plastic
Motor Adapter	Glass Filled Thermo-Plastic
Casing	AISI 304 SS
Shaft	
Coupling	AISI 304 SS, Powder Metal

* 33EB and 55EB Glass Filled Polycarbonate



ORDER NUMBER CODE



FEATURES

- **Designed for pumping filtered effluent from processed septic systems only.**
- **Field Serviceable:** Pump can be rebuilt in the field to like new condition with common tools and readily available spare parts.
- NOTE: The Model EB has left hand casing threads.**
- **Powered for Continuous Operation:** All ratings are within the working limits of the motor as recommended by the motor manufacturer. Pump can be operated continuously without damage to the motor.
- **Metal Parts are Stainless Steel:** AISI types 301 and 304 are corrosion resistant.
- **Non-Metallic Parts are Effluent Compliant:** Impellers, diffusers constructed of glass filled polycarbonate or Noryl, engineered composites. Both materials are corrosion resistant.
- **Bearing Discharge Head:** State of the art engineered composite material for superior strength and corrosion resistance. Loop for safety line molded into head.
- **Motor Adapter:** State of the art engineered composite material with high rigidity to provide accurate alignment of liquid end to motor. Generous space for removal of motor mounting nuts with regular open-end wrench.
- **Bowls:** Stainless steel for strength and abrasive resistance.
- **100" 3 wire motor lead standard.**
- **Consult factory for recommendations involving long run cycles followed by short off cycles to assure proper motor cooling flows.**

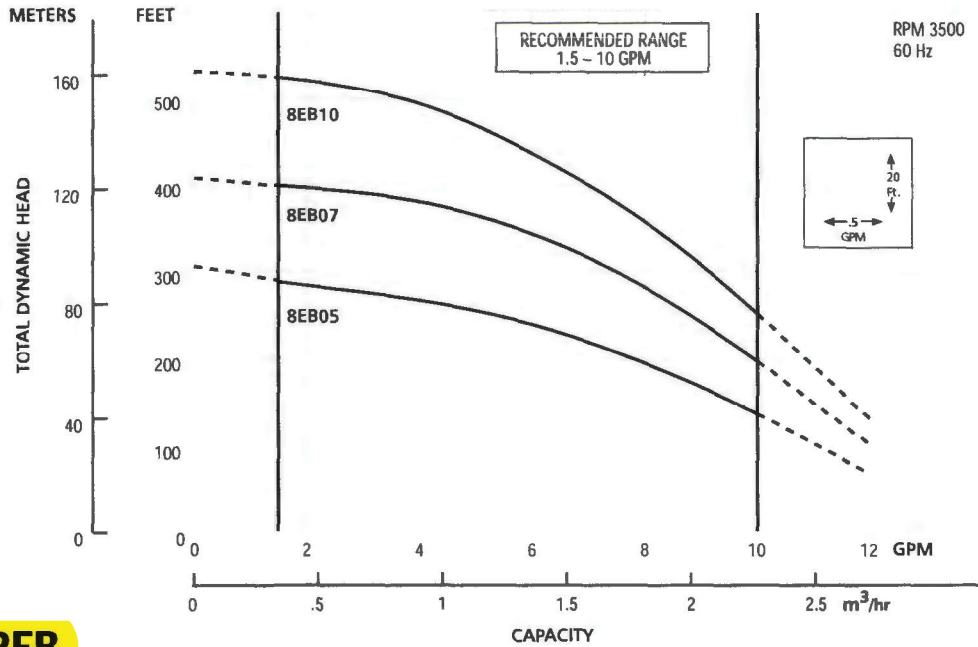
- **Check Valve:** Built-in check valve assembly on 8, 12, 20 EB models. No check valve provided on 33 and 55 EB models.
- **Warranted for one year against failure due to workmanship and materials. Solids plugged pumps are not covered. Pumps used for liquids other than filtered effluent are not covered.**
- **Stainless Steel Casing:** Polished stainless steel is attractive and durable in the most corrosive effluent.
- **Hex Shaft Design:** Six sided shafts for positive impeller drive.
- **Inlet Strainer:** Molded suction strainer built into motor adapter.
- **Urethane Upper Bearings:** Fluted design for free passage of abrasives.
- **Franklin Electric Motor:**
 - Corrosion resistant stainless steel construction.
 - Built-in surge arrestor is provided on single phase motors.
 - Stainless steel splined shaft.
 - Hermetically sealed windings.
 - Replaceable motor lead assembly.
 - UL 778 and CSA recognized.
 - NEMA mounting dimensions.
- **Optional 100" jacketed power cord available.**
- **Agency Listings:** All complete pump/motor assemblies are UL778 and CSA listed. All Franklin Electric Motors are UL778 recognized.
- **All models have 1/8" diameter bypass in discharge head to ensure venting on start up.**



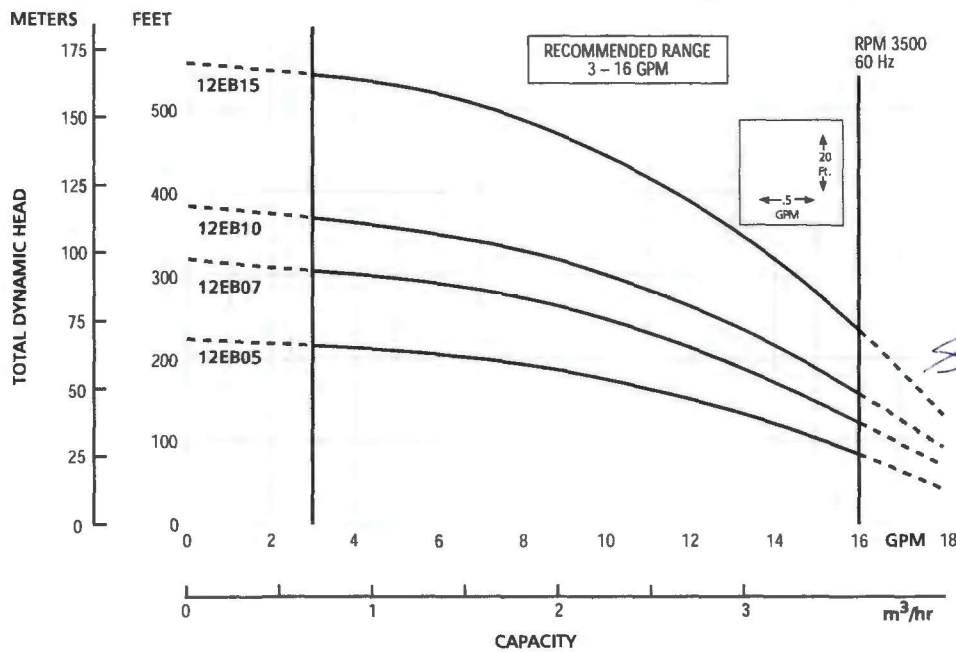
Steven Kubena

Model 8EB

FILTERED EFFLUENT BLASTER



Model 12EB



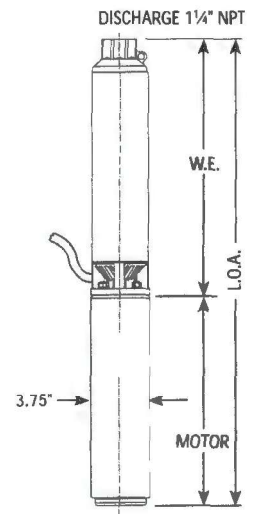
Steven Kubena

DIMENSIONS AND WEIGHTS

Order Number	HP	Phase	Stages	Length (inches)			Weight (lbs.)		
				W.E.①	Motor	L.O.A.②	W.E.	Motor	Total
8EB0522, 8EB0521	1/2	1	10	13.3	9.5	22.8	5	18	23
8EB0722	3/4	1	13	15.4	10.7	26.1	6	20	26
8EB1022	1	1	17	18.3	11.8	30.1	8	23	31
12EB0522, 12EB0521	1/2	1	7	11.0	9.5	20.5	4	18	22
12EB0722	3/4	1	10	13.0	10.7	23.7	5	20	25
12EB1022	1	1	12	14.4	11.8	26.2	6	23	29
12EB1522	1 1/2	1	17	17.9	15.1	33.0	8	31	39

① W.E. = water end or pump without motor.

② L.O.A. = length of assembly - complete pump - water end and motor.



From: [Ritzen,Brenda](#)
To: [Steven Kubena](#)
Cc: [robert keltner](#)
Subject: RE: 111 Valley View St. Canyon Lake, Tx 78133 - Septic Design - REV 5
Date: Monday, November 4, 2024 10:17:00 AM
Attachments: [image001.png](#)

Steven,

The permit file has been updated.

Thank you,



Brenda Ritzen
Environmental Health Coordinator
195 David Jonas Dr.
New Braunfels, TX 78132
DR:OS00007722
830-608-2090
www.cceo.org

From: Steven Kubena <surefloptic@gmail.com>
Sent: Monday, November 4, 2024 9:42 AM
To: Ritzen,Brenda <rabbjr@co.comal.tx.us>
Cc: robert keltner <rwkeltner@hotmail.com>
Subject: 111 Valley View St. Canyon Lake, Tx 78133 - Septic Design - REV 5

This email originated from outside of the organization.

Do not click links or open attachments unless you recognize the sender and know the content is safe.

- Comal IT

Brenda,

Please see the attached 111 Valley View St. Canyon Lake, Tx 78133 - Septic Design - REV 5.

Thank You,

Steven Kubena, R.S., CEO
Sure Flo Septic, LLC
Call or Text our Office at (830) 542-0094

REVISED

8:17 am, Nov 04, 2024



Phone: (210) 296-4778 Email: Surefloptic@gmail.com

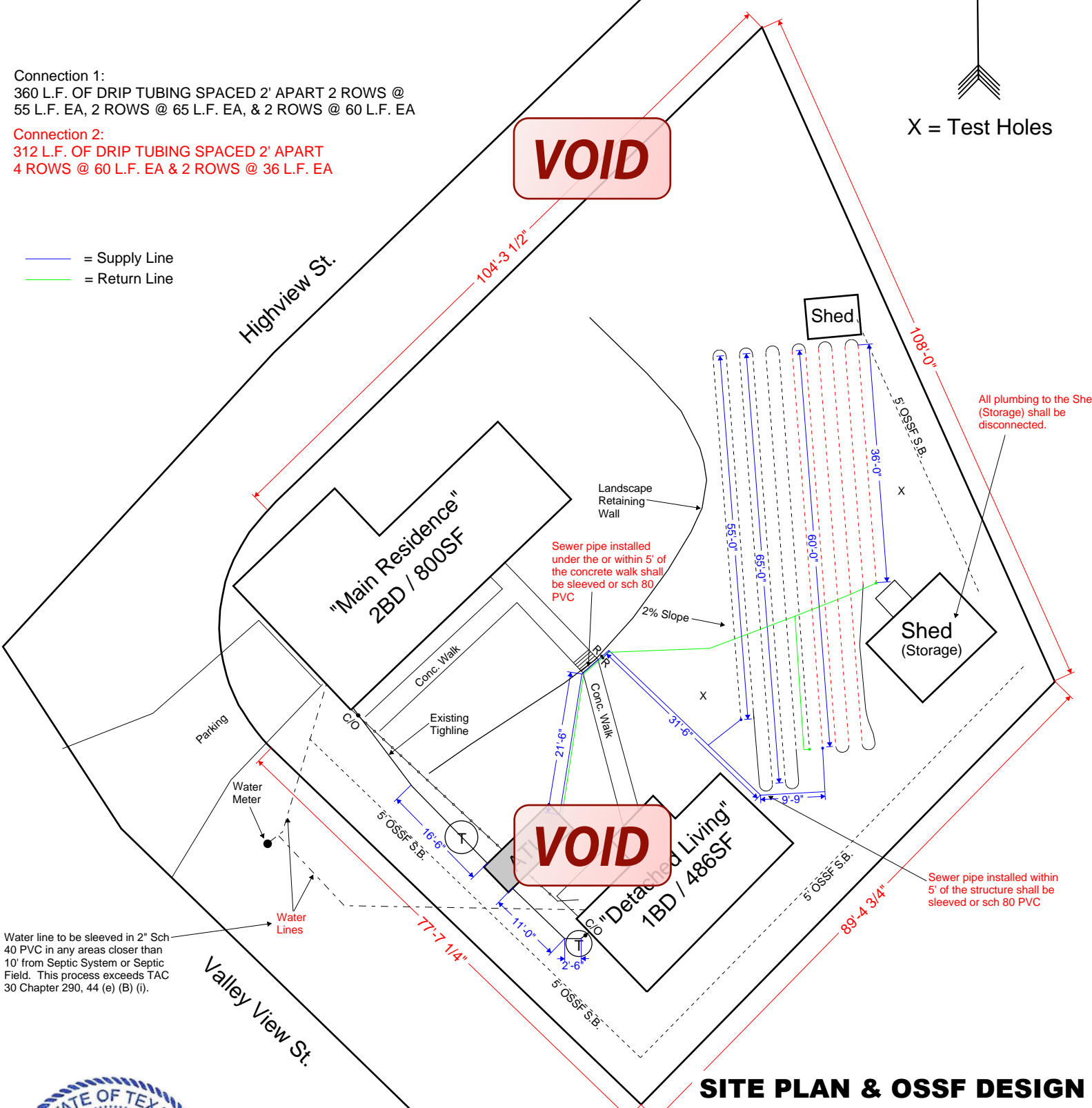


X = Test Holes

Connection 1:
360 L.F. OF DRIP TUBING SPACED 2' APART 2 ROWS @
55 L.F. EA, 2 ROWS @ 65 L.F. EA, & 2 ROWS @ 60 L.F. EA

Connection 2:
312 L.F. OF DRIP TUBING SPACED 2' APART
4 ROWS @ 60 L.F. EA & 2 ROWS @ 36 L.F. EA

— = Supply Line
— = Return Line



Water line to be sleeved in 2" Sch 40 PVC in any areas closer than 10' from Septic System or Septic Field. This process exceeds TAC 30 Chapter 290, 44 (e) (B) (i).

SITE PLAN & OSSF DESIGN

RICHARD & NANETTE CURTIS
111 VALLEY VIEW ST.
CANYON LAKE, TX 78133

STEVEN KUBENA, R.S
240 SENDERA XING
LA VERNIA, TEXAS 78121
(210) 296-4778

DATE:
8/26/2024
SCALE: 1" = 20'



Steven Kubena

From: [Ritzen,Brenda](#)
To: [Steven Kubena](#)
Cc: [robert keltner](#)
Subject: RE: 111 Valley View St. Canyon Lake, Tx 78133 - Septic Design - REV 4
Date: Monday, November 4, 2024 8:20:00 AM
Attachments: [image001.png](#)

Steven,

The permit file has been updated.

Thank you,



Brenda Ritzen
Environmental Health Coordinator
195 David Jonas Dr.
New Braunfels, TX 78132
DR:OS00007722
830-608-2090
www.cceo.org

From: Steven Kubena <surefloptic@gmail.com>
Sent: Friday, November 1, 2024 1:58 PM
To: Ritzen,Brenda <rabbjr@co.comal.tx.us>
Cc: robert keltner <rwkeltner@hotmail.com>
Subject: 111 Valley View St. Canyon Lake, Tx 78133 - Septic Design - REV 4

This email originated from outside of the organization.

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- Comal IT

Brenda,

Please see the attached 111 Valley View St. Canyon Lake, Tx 78133 - Septic Design - REV 4. The revision reflects the change from a Nuwater to a Solar Air aerobic treatment unit.

Thank You,

Steven Kubena, R.S., CEO
Sure Flo Septic, LLC

REVISED

8:12 am, Oct 16, 2024

Steven Kubena, R.S., S.E.

240 Sendera Crossing

La Verne, TX 78121

Mobile (210) 296-4778 Surenosoptic@gmail.com

OSSF DESIGN

Owner: **Richard & Nanette Curtis**

Location: 111 Valley View St. Canyon Lake, Texas 78133

Phone: (412) 298-0673

Date: 8/26/2024

Development: **Manufactured Home w/ Detached Living Space - Water Saving Devices**

Manufactured Home (**180 gpd**) - Bedrooms: **2** Sq. Ft: **800**

Detached Living Space (**60 gpd**) - Bedrooms: **1** Sq. Ft: **486**

Q: **240 gpd**

Soil: **III**

R_a: **0.2 gall/ft²/day**

System Type: **Aerobic/Sub-Surface Drip (NuWater B-550 – 600 GPD) (Or Equivalent)**

Minimum Required ATU Treatment Capacity: **500 gpd**

Trash Tank: 353 gall Aerobic Tank: 600 gpd Pump Tank: 768 gall

Supply Line: **Sch 40, 1" purple (~44')** Check Valve Required: **No**

Minimum Application Area (A): 1200 ft² (A = Q/R_a)

Minimum Drip Line Length (L): 612.5 LF (L = A/2)

Drip Line: **Netafim .62 GPH Emitters @ Every 2'**

Pump Used: **Blaster Model 12EB-05 (Or Equivalent)**



Steven Kubena

REVISED

10:07 am, Nov 01, 2024



Phone: (210) 296-4778 Email: Surefloptic@gmail.com



X = Test Holes

Connection 1:
360 L.F. OF DRIP TUBING SPACED 2' APART 2 ROWS @
55 L.F. EA, 2 ROWS @ 65 L.F. EA, & 2 ROWS @ 60 L.F. EA

Connection 2:
312 L.F. OF DRIP TUBING SPACED 2' APART
4 ROWS @ 60 L.F. EA & 2 ROWS @ 36 L.F. EA

— = Supply Line
— = Return Line

VOID

Highview St.

104'-3 1/2"

108'-0"

"Main Residence"
2BD / 800SF

Shed

Shed
(Storage)

All plumbing to the Shed
(Storage) shall be
disconnected.

Sewer pipe installed
under the or within 5' of
the concrete walk shall
be sleeved or sch 80
PVC

2% Slope

Parking

Water
Meter

Water
Lines

ATU

"Detached Living"
1BD / 486SF

Sewer pipe installed
within
5' of the structure shall be
sleeved or sch 80 PVC

VOID

Valley View St.

77'-7 1/4"

89'-4 3/4"

SITE PLAN & OSSF DESIGN

RICHARD & NANETTE CURTIS
111 VALLEY VIEW ST.
CANYON LAKE, TX 78133

STEVEN KUBENA, R.S
240 SENDERA XING
LA VERNIA, TEXAS 78121
(210) 296-4778

DATE:
8/26/2024

SCALE: 1" = 20'



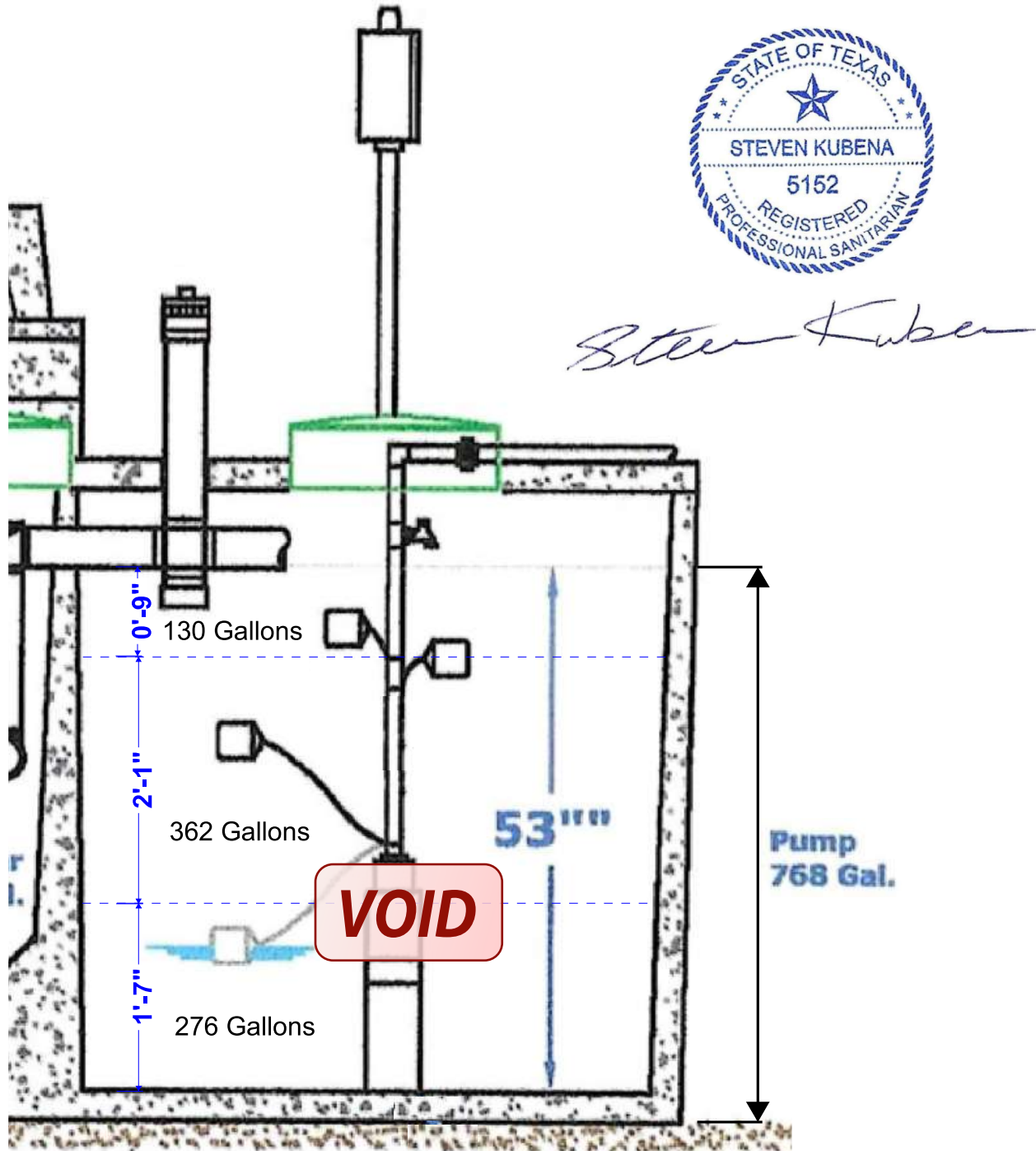
Steven Kubena

Water line to be sleeved in 2" Sch
40 PVC in any areas closer than
10' from Septic System or Septic
Field. This process exceeds TAC
30 Chapter 290, 44 (e) (B) (i).

NuWater B-550 (600 GPD) PUMP TANK DETAILS (FLOAT SETTINGS)

VOID

Q'S UP TO 360 GPD
14.49 GALL/IN
HIGH WATER ALARM "ON" TO BOTTOM OF INLET: 9" (130 GALL)
PUMP "ON" TO HIGH WATER ALARM "ON": 25" (362 GALL)



THERE SHALL BE AT LEAST ONE DAY OF STORAGE BETWEEN THE ALARM-ON LEVEL AND THE PUMP-ON LEVEL, AND A STORAGE VOLUME OF ONE-THIRD THE DAILY FLOW BETWEEN THE ALARM-ON LEVEL AND THE INLET TO THE PUMP TANK.

Assembly Details

OSSF

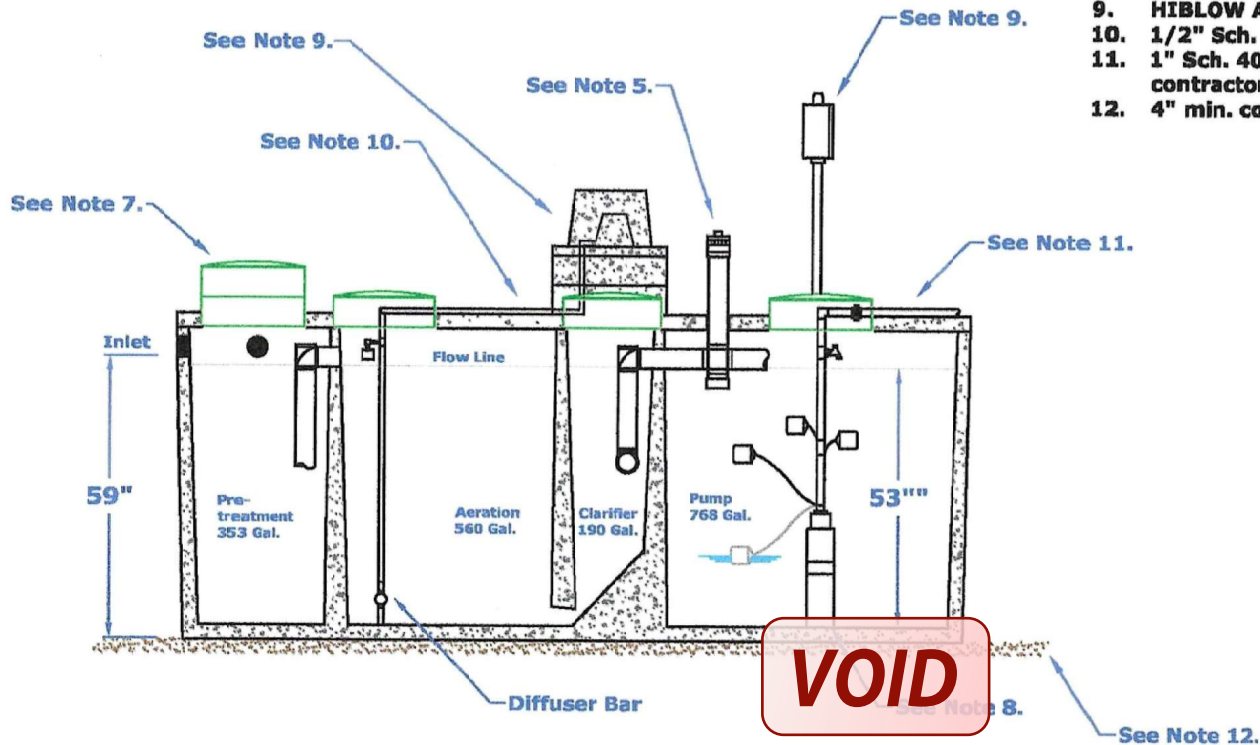


VOID

Steven Kubena

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"

VOID

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

From: [Ritzen,Brenda](#)
To: [Steven Kubena](#)
Cc: [robert keltner](#)
Subject: RE: 111 Valley View St. Canyon Lake, Tx 78133 - Septic Design - REV 3
Date: Friday, November 1, 2024 10:18:00 AM
Attachments: [image001.png](#)

Steven,

The permit file has been updated.

Thank you,



Brenda Ritzen
Environmental Health Coordinator
195 David Jonas Dr.
New Braunfels, TX 78132
DR:OS00007722
830-608-2090
www.cceo.org

From: Steven Kubena <surefloptic@gmail.com>
Sent: Friday, November 1, 2024 9:44 AM
To: Ritzen,Brenda <rabbjr@co.comal.tx.us>
Cc: robert keltner <rwkeltner@hotmail.com>
Subject: 111 Valley View St. Canyon Lake, Tx 78133 - Septic Design - REV 3

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- Comal IT

Brenda,

Please see the attached 111 Valley View St. Canyon Lake, Tx 78133 - Septic Design - REV 3.

Thank You,

Steven Kubena, R.S., CEO
Sure Flo Septic, LLC
Call or Text our Office at (830) 542-0094

REVISED

8:43 am, Oct 18, 2024



VOID

Phone (214) 296-4778 Surefloptic@gmail.com

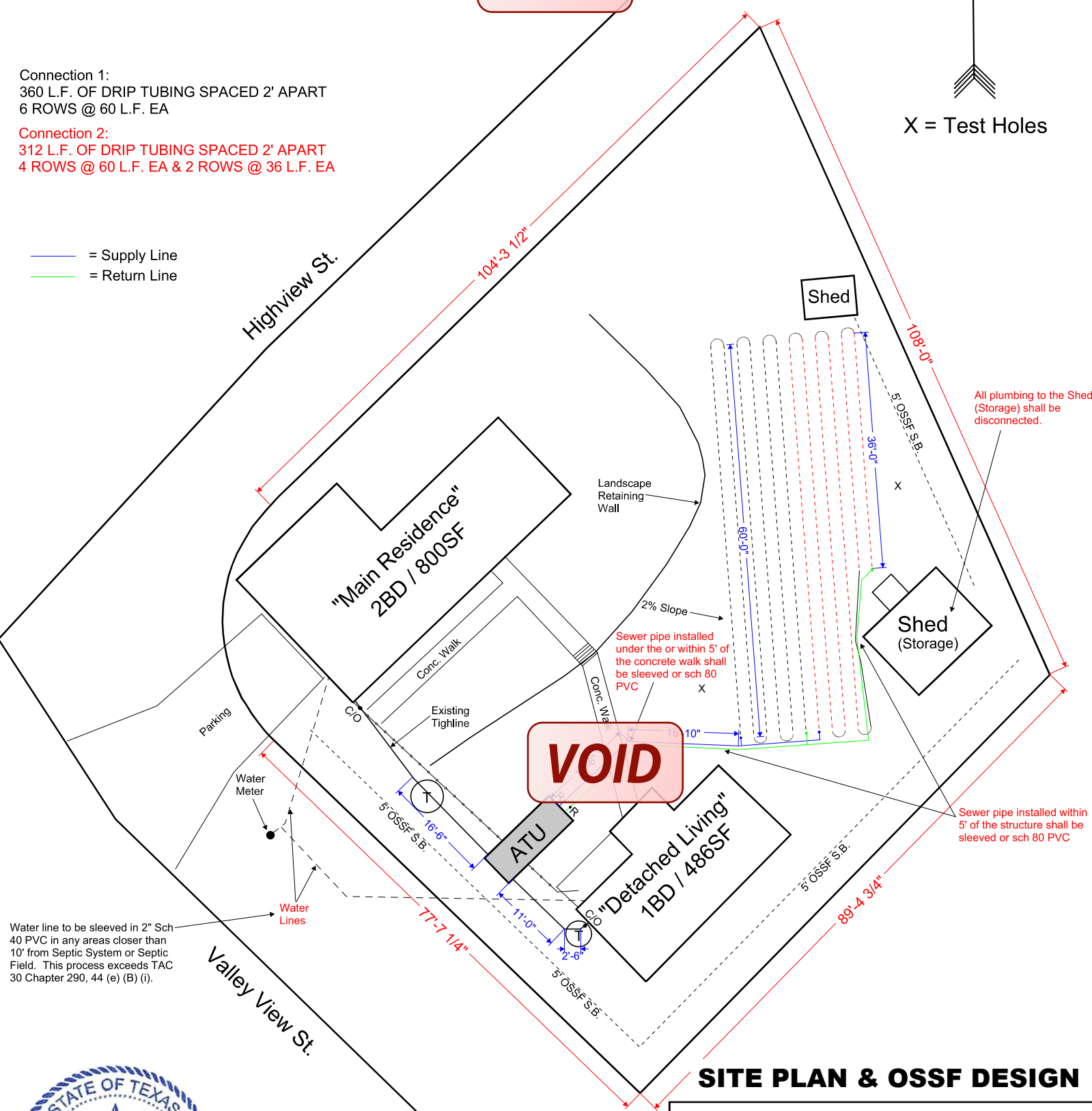


X = Test Holes

Connection 1:
360 L.F. OF DRIP TUBING SPACED 2' APART
6 ROWS @ 60 L.F. EA

Connection 2:
312 L.F. OF DRIP TUBING SPACED 2' APART
4 ROWS @ 60 L.F. EA & 2 ROWS @ 36 L.F. EA

- = Supply Line
- = Return Line



Water line to be sleeved in 2" Sch 40 PVC in any areas closer than 10' from Septic System or Septic Field. This process exceeds TAC 30 Chapter 290, 44 (e) (B) (i).

SITE PLAN & OSSF DESIGN

RICHARD & NANETTE CURTIS
111 VALLEY VIEW ST.
CANYON LAKE, TX 78133

STEVEN KUBENA, R.S
240 SENDERA XING
LA VERNIA, TEXAS 78121
(210) 296-4778


DATE: 8/26/2024
SCALE: 1" = 20'



Steven Kubena

From: [Ritzen,Brenda](#)
To: [Steven Kubena](#)
Cc: richardcurtis203@gmail.com
Subject: RE: Permit 117947
Date: Friday, October 18, 2024 8:57:00 AM
Attachments: [image001.png](#)

Steven :

The shed with  sink needs to be removed from the permit application.

Thank you,



Brenda Ritzen
Environmental Health Coordinator
195 David Jonas Dr.
New Braunfels, TX 78132
DR:OS00007722
830-608-2090
www.cceo.org

From: Steven Kubena <surefloptic@gmail.com>
Sent: Thursday, October 17, 2024 5:40 PM
To: Ritzen,Brenda <rabbjr@co.comal.tx.us>
Cc: richardcurtis203@gmail.com
Subject: Re: Permit 117947

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Do not click links or open attachments unless you recognize the sender and know the content is safe.

- Comal IT

Brenda,

Please see the attached 111 Valley View St. Canyon Lake, Tx 78133 - Septic Design - REV 2. The plumbing to the shed will be disconnected.

Thank You,

Steven Kubena, R.S., CEO
Sure Flo Septic, LLC
Call or Text our Office at (830) 542-0094



Date 9/17/2024

Permit Number _____

VOID

1. APPLICANT / AGENT INFORMATION

Owner Name Richard & Nanette Curtis
Mailing Address 203 PARLIAMENT DR.
City, State, Zip MOON TOWNSHIP, PA 15108
Phone # (412) 298-0673
Email Richardcurtis203@gmail.com

Agent Name Steven Kubena
Agent Address 240 Sendera Crossing
City, State, Zip La Vernia, Tx 78121
Phone # (210) 296-4778
Email Surefloptic@gmail.com

2. LOCATION

Subdivision Name Canyon Lake Mobile Home Estates Unit 2 Lot 226 Block _____
Survey Name / Abstract Number _____ Acreage .26
Address 111 Valley View St. City Canyon Lake State Tx Zip 78133

3. TYPE OF DEVELOPMENT

Single Family Residential
Type of Construction (House, Mobile, RV, Etc.) Manufactured Home w/ Detached Living Space and Shed with a Sink
Number of Bedrooms 3
Indicate Sq Ft of Living Area 1286

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 _____

VOID

Estimated Cost of Construction: \$ 19,000 (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.

Richard Curtis Nanette Curtis
Signature of Owner

9-17-2024
Date

From: [Ritzen,Brenda](#)
To: ["Steven Kubena"](#)
Cc: richardcurtis203@gmail.com
Subject: RE: Permit 117947
Date: Wednesday, October 16, 2024 4:28:00 PM
Attachments: [image001.png](#)
[Page from 117947.pdf](#)

**Re: Richard & Nanette Curtis
Canyon Lake Mobile Homes Estates Unit 2 Lot 226
Application for Permit for Authorization to Construct an On-Site
Sewage Facility (OSSF)**

Owner / Agent :

The following information is needed before I can continue processing the referenced permit submittal

- ✓ As per 285.80 b, provide details on the graywater system. In accordance with the requirements of TAC Chapter 210, the graywater reuse system must be connected to the OSSF separated by 2 backflow valves or backflow preventers. Graywater reuse systems are not allowed to flow directly onto the ground.
2. See attached results of our preliminary inspection.
3. Revise above as needed and resubmit.

Thank you,



Brenda Ritzen
Environmental Health Coordinator
195 David Jonas Dr.
New Braunfels, TX 78132
DR:OS00007722
830-608-2090
www.cceo.org

From: Steven Kubena <surefloseptic@gmail.com>
Sent: Tuesday, October 15, 2024 4:42 PM
To: Ritzen,Brenda <rabbjr@co.comal.tx.us>

VOID

Phone: (210) 296-4778 Email: Surefloptic@gmail.com



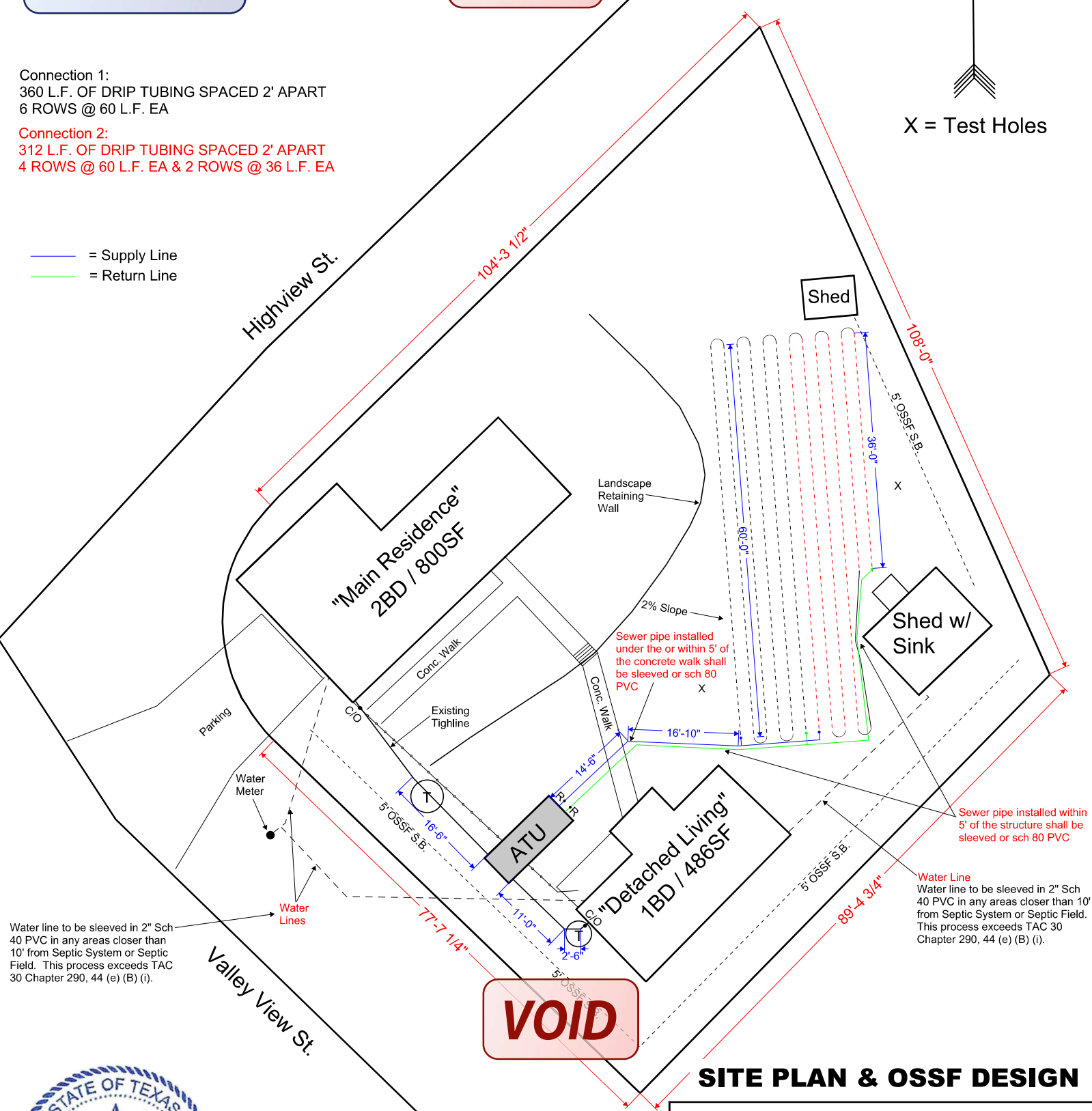
X = Test Holes

REVISED
8:07 am, Oct 16, 2024

Connection 1:
360 L.F. OF DRIP TUBING SPACED 2' APART
6 ROWS @ 60 L.F. EA

Connection 2:
312 L.F. OF DRIP TUBING SPACED 2' APART
4 ROWS @ 60 L.F. EA & 2 ROWS @ 36 L.F. EA

— = Supply Line
— = Return Line



VOID

SITE PLAN & OSSF DESIGN

RICHARD & NANETTE CURTIS
111 VALLEY VIEW ST.
CANYON LAKE, TX 78133

STEVEN KUBENA, R.S
240 SENDERA XING
LA VERNIA, TEXAS 78121
(210) 296-4778

DATE:
8/26/2024

SCALE: 1" = 20'



Steven Kubena

Ritzen,Brenda

From: Ritzen,Brenda
Sent: Friday, October 11, 2024 2:23 PM
To: richardcurtis203@gmail.com; Steven Kubena
Subject: Permit 117947
Attachments: AFFIDAVIT OF A SINGLE FAMILY RESIDENC1.docx

**Re: Richard & Nanette Curtis
Canyon Lake Mobile Homes Estates Unit 2 Lot 226
Application for Permit for Authorization to Construct an On-Site Sewage Facility (OSSF)**

Owner / Agent :

The following information is needed before I can continue processing the referenced permit submittal:

- ✓ 1. The 2nd page of the permit application indicates aerobic treatment with surface application. The design is for a drip system.
2. Include the shed with sink on the permit application.
3. Provide a clean out at all structures.
- ✓ 4. Submit a notarized affidavit of single family use of all structures. A sample form is attached.
- ✓ 5. Identify the main residence and the detached living area on the design.
- ✓ 6. Identify the water lines to all structures.
7. Clarify the installation details for the drip tubing. The written specifications indicate adding 6-12 inches of Class II or III soil before installation of the tubing. The trench cross section appears to reflect installing the drip tubing 12 inches deep into the existing soils.
8. A preliminary inspection is scheduled for Monday, October 14th. Additional comments may be necessary once complete.
9. Revise as needed and resubmit.

Thank you,



Brenda Ritzen

Environmental Health Coordinator

195 David Jonas Dr.

New Braunfels, TX 78132

DR:OS00007722

830-608-2090

www.cceo.org



Planning Materials & Site Evaluation as Required Completed By Steven Kubena

System Description Aerobic / Spray Surface Application

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

Tank Size(s) (Gallons) 600 GPD Absorption/Application Area (Sq Ft) 1344

Gallons Per Day (As Per TCEQ Table III) 245

(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

8/26/2024

Date

VOID

Steven Kubena, R.S., S.E.

240 Sendera Crossing

La Vernia, Texas 78121

Mobile (210) 296-4778 Sureflo Septic@gmail.com

OSSF DESIGN

Owner: **Richard & Nanette Curtis**

Location: 111 Valley View St. Canyon Lake, Texas 78133

Phone: (412) 298-0673

Date: 8/26/2024

Development: **Manufactured Home w/ Detached Living Space and a Shed with a Sink - Water Saving Devices**

Manufactured Home (**180 gpd**) - Bedrooms: **2** Sq. Ft: **800**

Detached Living Space (**60 gpd**) - Bedrooms: **1** Sq. Ft: **486**

Shed w/ a Sink (**5 gpd**) - Bedrooms: **0** Sq. Ft: **0**

Q: **245 gpd**

Soil: **III**

R_a: **0.2 gall/ft²/day**

System Type: **Aerobic/Sub-Surface Drip (NuWater B-550 – 600 GPD) (Or Equivalent)**

Minimum Required ATU Treatment Capacity: **500 gpd**

Trash Tank: 353 gall Aerobic Tank: 600 gpd Pump Tank: 768 gall

Supply Line: **Sch 40, 1" purple (~44')** Check Valve Required: **No**

Minimum Application Area (A): 1225 ft² (A = Q/R_a)

Minimum Drip Line Length (L): 612.5 L

VOID

Drip Line: **Netafim .62 GPH Emitters @ Every 2'**

Pump Used: **Blaster Model 12EB-05 (Or Equivalent)**

- **Timer set to spray between 12:00 AM & 5:00 AM**



Steven Kubena

OSSF Design Notes:

VOID



Steven Kubena

Lot 226
Canyon Lake Mobile Home Estates, Unit 2
.26 ACRES

LOT IS NOT LOCATED IN THE 100 YEAR FLOOD PLAIN BUT WITHIN THE CONTRIBUTING ZONE. THE SUBDIVISION DOES NOT HAVE A CURRENT WPAP, BUT THIS DESIGN IS EXEMPT FROM PERMANENT BMP'S DUE TO A SINGLE FAMILY RESIDENCE WITH LESS THAN 20 PERCENT IMPERVIOUS COVER.

KEY NOTES:

1. Design is for a 2BD/800SF Manufactured Home w/ a detached 1BD/486SF living space, and a shed with a sink. Design is based on a maximum wastewater rate of 245 gpd. (Combined Living Square footage of 1,286)
2. This design replaces an existing OSSF system. The existing septic tank and pump tank (T) shall be pump and filled.
3. Install a minimum **500 gpd ATU**. External disconnect within site of the pump tank, pumps and alarms on separate breakers, audible and visual high water alarms and external wiring in conduit required.
4. Install a 2-way cleanout in a 3" or 4" sch 40 tightline from the house to the ATU as shown, Minimum slope 1/8 in/ft.
5. Install 672' of Netafim 0.62 gph dripline as shown. No single lateral shall exceed 400' in length. The drip lines will be laid on two foot centers, parallel with the contour of the land, **and on 12 inches, minimum 6 inches, of suitable soil (Class II or Class III)**. The drip lines will then be covered with a minimum of 6 inches of suitable soil (Class II or Class III). Flexible pvc shall be used on all loops.
6. Supply and Flush lines are purple **1" schedule 40**. A vacuum relief valve (R) shall be installed on the supply and flush lines at their highest points. Valves shall be installed in valve boxes with pea gravel. **Sewer pipes installed underneath or within 5' of a structure shall be sleeved or sch 80 PVC.**
7. Water line to be sleeved in 2" Sch 40 PVC in any areas closer than 10' from Septic System or Septic Field. This process exceeds TAC 30 Chapter 290, 44 (e) (B) (i).
8. A 100-130 micron disc filter shall be installed in the supply line inside of the pump chamber.
9. Backflush shall be manual with a 1" ball valve installed in the flush line inside the pump tank or in a valve box. Flush line shall terminate in the pump tank.
10. Timer shall be set to run the pump **VOID** 2 hours for a 5 minute duration.
11. Grass shall be planted over the drip field. Vehicles should not be driven over the drip field.



110

0903 0086 419564 DEED - WITHOUT WARRANTY

The State of Texas, COUNTY OF COMAL

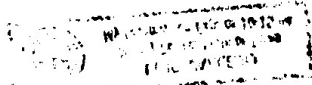
Know all Men by These Presents:

That WE JOE P. BETTIS AND WIFE, NANCY R. BETTIS OF 4410 T.C. JESTER #16, HARRIS COUNTY, TEXAS

of the County of HARRIS and State of TEXAS, for and in consideration of the sum of TEN DOLLARS & NO/100 DOLLARS to US in hand paid by RICHARD A. CURTIS AND WIFE, NANETTE CURTIS OF 1811 VIKING ST., of the County of HARRIS and State of TEXAS, the receipt of which is hereby acknowledged, do, by these presents BARGAIN, SELL, GRANT AND CONVEY unto the said RICHARD A. CURTIS AND WIFE, NANETTE CURTIS

THEIR heirs and assigns, that certain tract or parcel of land lying in the County of COMAL

, State of Texas, described as follows, to-wit: LOT 225 OF CANYON LAKE MOBILE HOME ESTATES, UNIT #2 COMAL COUNTY, TEXAS, ACCORDING TO THE PLAT RECORDED IN VOL. 2, PAGE 75 OF THE MAP AND PLAT RECORDS OF COMAL COUNTY, TEXAS.



FILED FOR RECORD 93 JUL 29 11:50 JOY STREATER COUNTY CLERK COMAL COUNTY BY Emma D. [Signature] 10.000

TO HAVE AND TO HOLD the said premises, together with all and singular the rights, privileges and appurtenances thereto in any manner belonging unto the said JOE P. BETTIS AND WIFE, NANCY R. BETTIS

THEIR heirs and assigns, forever, so that neither WE the said JOE P. BETTIS AND WIFE, NANCY R. BETTIS nor OUR heirs, nor any person or persons claiming under US shall, at any time hereafter, have, claim, or demand any right or title to the aforesaid premises or appurtenances, or any part thereof.

WITNESS our hand at Houston, Texas this 1st day of May A. D. 19 93

Witness of Required of Grantor:

[Signature] JOE P. BETTIS [Signature] NANCY R. BETTIS

0903 0087

SINGLE ACKNOWLEDGMENT

THE STATE OF TEXAS,
COUNTY OF

BEFORE ME, the undersigned, a Notary Public in and for said County and State, on this day personally appeared

known to me to be the person whose name subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE this the day of A. D. 19

(L. S.)

Notary Public in and for County, Texas.

WIFE'S SEPARATE ACKNOWLEDGMENT

THE STATE OF TEXAS,
COUNTY OF

BEFORE ME, the undersigned, a Notary Public in and for said County and State, on this day personally appeared

wife of known to me to be the person whose name is subscribed to the foregoing instrument, and having been examined by me privily and apart from her husband, and having the same fully explained to her, she, the said acknowledged such instrument to be her act and deed, and she declared that she had willingly signed the same for the purposes and consideration therein expressed, and that she did not wish to retract it.

GIVEN UNDER MY HAND AND SEAL OF OFFICE this the day of A. D. 19

(L. S.)

Notary Public in and for County, Texas.

JOINT ACKNOWLEDGMENT

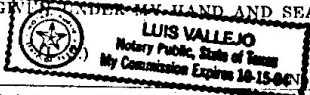
THE STATE OF TEXAS,
COUNTY OF

BEFORE ME, the undersigned, a Notary Public in and for said County and State, on this day personally appeared

Nancy R. Bottis and Joe P. Bottis his wife, both known to me to be the persons whose names are subscribed to the foregoing instrument, and acknowledged to me that they each executed the same for the purposes and consideration therein expressed, and the said Nancy R. Bottis wife of the said Joe P. Bottis

having been examined by me privily and apart from her husband, and having the same fully explained to her, she, the said Nancy R. Bottis acknowledged such instrument to be her act and deed, and she declared that she had willingly signed the same for the purposes and consideration therein expressed, and that she did not wish to retract it.

GIVEN UNDER MY HAND AND SEAL OF OFFICE this the 10th day of May A. D. 19



Notary Public in and for County, Texas.

THE STATE OF TEXAS,
COUNTY OF

I HEREBY CERTIFY that the foregoing instrument of writing, with its certificate of authentication, was filed for record in my office on the day of A. D. 19 at o'clock M. and was duly recorded by me on the day of A. D. 19 in Vol. page of the Record of Deeds of said County.

WITNESS MY HAND and the Seal of the County Court of said County, at my office in the day and year last above written.

(L. S.)

County Clerk County, Texas.

By Deputy.

419564

DEED - WITHOUT WARRANTY

FROM TO

FILED FOR RECORD

This day of A. D. 19 at o'clock M.

County Clerk. Deputy.

RECORDED

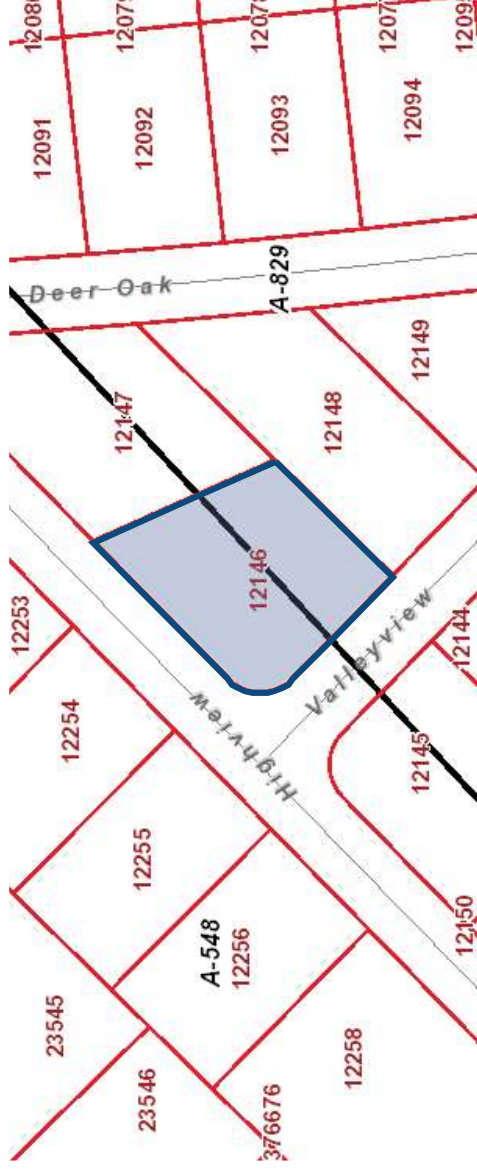
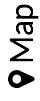
A. D. 19 County Records In Book on Page

County Clerk. Deputy.

Recording Fee \$

This instrument should be filed immediately with the County Clerk for record.

Richard A. Dutton 1811 Wilking 77018



Property Details

Account	
Property ID:	12146 Geographic ID: 130255022600
Type:	Real Zoning:
Property Use:	
Location	
Situs Address:	111 VALLEYVIEW ST CANYON LAKE, TX 78133
Map ID:	4G-A829 Mapsc0:
Legal Description:	CANYON LAKE MOBILE HOME ESTATES 2, LOT 226
Abstract/Subdivision:	130255-2 - CANYON LAKE MOBILE HOME ESTATES 2
Neighborhood:	354F401
Owner	
Owner ID:	93948
Name:	CURTIS RICHARD A & NANETTE
Agent:	
Mailing Address:	203 PARLIAMENT DR MOON TOWNSHIP, PA 15108-3246
% Ownership:	100.00%
Exemptions:	For privacy reasons not all exemptions are shown online.

Property Values

Information provided for research purposes only. Legal descriptions and acreage amounts are for Appraisal District use only and should be verified prior to using for legal purpose and or documents. Please contact the Appraisal District to verify all information for accuracy.

Improvement Homesite Value:	\$0 (+)
Improvement Non-Homesite Value:	\$16,240 (+)
Land Homesite Value:	\$0 (+)
Land Non-Homesite Value:	\$61,510 (+)
Agricultural Market Valuation:	\$0 (+)
Market Value:	\$77,750 (=)
Agricultural Value Loss:	\$0 (-)
HS Cap Loss/Circuit Breaker:	\$0 (-)
Appraised Value:	\$69,564
Ag Use Value:	\$0

Property Taxing Jurisdiction

Owner: CURTIS RICHARD A & NANETTE %**Ownership:** 100.00%

Entity	Description	Market Value	Taxable Value
046	COMAL COUNTY	\$77,750	\$69,564
046LR	COMAL COUNTY LATERAL ROAD	\$77,750	\$69,564
ES2	(ESD2) COMAL COUNTY EMERGENCY SERVICES DISTRICT NO. 2 (EMS)	\$77,750	\$69,564
ES3	(ESD3) COMAL COUNTY EMERGENCY SERVICES DISTRICT NO. 3 (FIRE)	\$77,750	\$69,564
SCIS	COMAL ISD	\$77,750	\$69,564

Property Improvement - Building

Description: MOBILE HOME Type: MOBILE HOME State Code: A2 Value: \$16,240

Type	Description	Class CD	Year Built	SQFT
TDK2	Mobile Home Wood Deck 2	*	0	168.00
TST1	Mobile Home Storage 1	*	0	168.00
SEP1	Septic System	*	0	1.00
TGU3	Mobile Home Un-Finished Garage Fair	*	0	420.00
TST3	Mobile Home Storage 3	*	0	120.00
TAD5	Mobile Home Addn Poor	*	0	405.00
MH	Manufactured Home	M3-	1965	550.00
TCP4	Mobile Home Carport Low	*	0	160.00

Property Land

Type	Description	Acreage	Sqft	Eff Front	Eff Depth	Market Value	Prod. Value
RES	Residential	0.26	11,340.00	105.00	108.00	\$61,510	\$0

Property Roll Value History

Year	Improvements	Land Market	Ag Valuation	HS Cap Loss	Appraised
2025	N/A	N/A	N/A	N/A	N/A
2024	\$16,240	\$61,510	\$0	\$0	\$69,564
2023	\$13,670	\$44,300	\$0	\$0	\$57,970
2022	\$13,670	\$44,300	\$0	\$0	\$57,970
2021	\$13,680	\$12,340	\$0	\$0	\$26,020
2020	\$11,650	\$12,340	\$0	\$0	\$23,990
2019	\$12,320	\$12,340	\$0	\$0	\$24,660
2018	\$15,910	\$12,340	\$0	\$0	\$28,250
2017	\$9,760	\$12,340	\$0	\$0	\$22,100
2016	\$9,760	\$12,340	\$0	\$0	\$22,100
2015	\$9,760	\$12,340	\$0	\$0	\$22,100
2014	\$9,760	\$12,340	\$0	\$0	\$22,100

Property Deed History

Deed Date	Type	Description	Grantor	Grantee	Volume	Page	Number
7/29/1993	WD	WARRANTY DEED	BETTIS JOE P & NANCY R	CURTIS RICHARD A & NANETTE	903	086	903086
8/9/1982	WD	WARRANTY DEED			331	757	331757

Aerobic Services
15188 FM 306
Canyon Lake, TX 78133



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

To: RICHARD CURTIS Tech: Chris Bausch
111 Valley View Street
Canyon Lake, TX 78133 Phone: (412) 298-0673 Date: 2024-08-14
Agency: Comal County Environmental Health Alt Ph: _____ Service _____
County: Comal Due: _____
Permit No: _____

Inspection Type: _____

Item	Operational	Inoperative	Not Present	
Aerator:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Air Pressure:
Irrigation Pump:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Air Compressor:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Pump Screen:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Chlorinator:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Spray Field Vegetation:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Filters:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Sprinkler / Drip Backwash:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Controls / Electric Circuits:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Test Results and Observations: (As Required)

Chlorine Residual (ppm): _____
Test Method: _____
BOD: _____
TSS: _____
Tank Lids Secured: Yes / NO
Pump Out Needed: Yes / NO
Repairs Made Yes / NO

Mixed Liquor: all measurements in inches
Aeration: _____
Sludge Levels
Clarifier: _____
Pump: 0

Repairs and Comments:

Flow test done. Field has failed, it isn't taking water hardly at all. 10s of minutes per gallon. Tank integrity is good. Pump in a can by lower building is inoperable. Appears to be capped off.

Inspector: CB Date: 2024-08-14

Tom Hampton, VP
MP349/OS24597