



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: 118614
Issued This Date: 06/10/2025
This permit is hereby given to: STEVE M. & DEBRA L. HALSETH

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

34728 CARRIES CREEK DR
CITY OF BULVERDE, TX 78163

Subdivision: BELLE OAKS RANCH
Unit: 7
Lot: 13
Block: 11
Acreage: 1.0100

APPROVED MINIMUM SIZES AS PER ATTACHED DESIGN

Type of System: Aerobic
Surface Irrigation

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

Call (830) 608-2090 to schedule inspections.

RECEIVED

By Kathy Griffin at 2:28 pm, May 01, 2025



COMAL COUNTY
ENGINEER'S OFFICE

**OSSF DEVELOPMENT APPLICATION
CHECKLIST**

Staff will complete shaded items

		118614
<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.

Signature of Applicant

05/01/2025

Date

___ COMPLETE APPLICATION	
Check No. _____	Receipt No. _____

INCOMPLETE APPLICATION
___ (Missing Items Circled, Application Refused)



COMAL COUNTY
ENGINEER'S OFFICE

ON-SITE SEWAGE FACILITY APPLICATION

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

Date March 22, 2025 Permit Number 118614

1. APPLICANT / AGENT INFORMATION

Owner Name <u>STEVE M. HALSETH & DEBRA L. HALSETH</u>	Agent Name <u>GREG JOHNSON, P.E.</u>
Mailing Address <u>c/o PO BOX 250</u>	Agent Address <u>170 HOLLOW OAK</u>
City, State, Zip <u>SPRING BRANCH TEXAS 78070</u>	City, State, Zip <u>NEW BRAUNFELS TEXAS 78132</u>
Phone # <u>281-639-8901</u>	Phone # <u>830-905-2778</u>
Email <u>ken@journeyhomes.us</u>	Email <u>gregjohnsonpe@yahoo.com</u>

2. LOCATION

Subdivision Name BELLE OAKS RANCH Unit PHASE 7 Lot 13 Block 11
Survey Name / Abstract Number _____ Acreage _____
Address 34728 CARRIES CREEK City BULVERDE State TX Zip 78163

3. TYPE OF DEVELOPMENT

☒ Single Family Residential

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

Number of Bedrooms 4

Indicate Sq Ft of Living Area 2987

☐ 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: \$ 600,000 (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 Collection

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.

Steve M. Halseth Debra L. Halseth

Signature of Owner

3-25-2025
Date



COMAL COUNTY
ENGINEER'S OFFICE

ON-SITE SEWAGE FACILITY APPLICATION

BELLE OAKS RANCH, PHASE 7, BLOCK 11, LOT 13

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

Planning Materials & Site Evaluation as Required Completed By GREG W. JOHNSON, P.E.

System Description PROPRIETARY; AEROBIC TREATMENT AND SURFACE IRRIGATION

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

Tank Size(s) (Gallons) PRO-FLO MODEL 5060, 600 GPD Absorption/Application Area (Sq Ft) 4825

Gallons Per Day (As Per TCEQ Table 111) 300

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

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

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

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

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

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

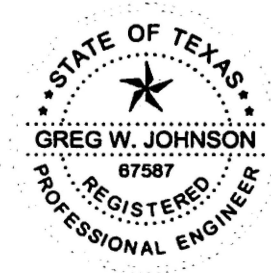
(if yes, the P.E. or R.S. shall certify that the OSSF design complies with all provisions of the existing CZP.)

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 UP has been approved by the appropriate reg

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

If yes, indicate the city: BULVERDE



FIRM #2585

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]
Signature of Designer

March 25, 2025
Date

AFFIDAVIT**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.

I

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

II

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

7 UNIT/PHASE/SECTION 11 BLOCK 13 LOT BELLE OAKS RANCH SUBDIVISION

IF NOT IN SUBDIVISION: _____ ACREAGE _____ SURVEY _____

The property is owned by (insert owner's full name): STEVE M. HALSETH & DEBRA L. HALSETH

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 25 DAY OF March, 20 25

x Steve M. Halseth
x Debra L. Halseth
Owner(s) signature(s)

STEVE M. HALSETH

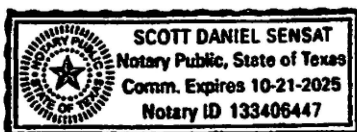
DEBRA L. HALSETH

Owner (s) Printed name (s)

STEVE M. & DEBRA L. HALSETH SWORN TO AND SUBSCRIBED BEFORE ME ON THIS _____ DAY OF

25th March, 20 25

[Signature]
Notary Public Signature



Filed and Recorded
Official Public Records
Bobbie Koepf, County Clerk
Comal County, Texas
04/07/2025 11:04:12 AM
TERRI 1 Pages(s)
202506009743



Bobbie Koepf



Michael J. Long
TCEQ Maintenance Provider #0001294
Expiration Aug 31 2025

Residential OSSF Maintenance Agreement, New Installation 3 Year Initial Membership

Customer Name: Steve & Debra Halseth

Agreement Dates: _____

Service Address 34728 Carries Creek

City, State & Zip: Bulverde, Texas 78163

Permitting Authority: Comal

Permit Number: _____

Contact Number: 281-793-4594

Email Address: dshalseth@entouch.net

The Texas Commission on Environmental Quality (TCEQ) requires all ATU's to be checked and maintained every four months for the life of the unit (some permitting authorities may stipulate this requirement, after the first two years after installation; call your county to inquire). Upon expiration of this agreement, MJ Septic will offer a continuation of your maintenance agreement to cover labor and routine maintenance/reports. Lab testing, if required, for coliform, TSS, BOD etc. are NOT included in this policy and applicable fees are the owner's responsibility. MJ Septic will inspect and service your ATU once every 4 months for the duration of your agreement. For new installations, the effective date of this maintenance agreement shall be the date the LTO (license to operate) is issued, required by state guidelines dated June 13, 2001.

MJ Septic will address all major concerns/complaints (excluding weekends & holidays) within 72 hours from the initial point of contact with the property owner(s). Office hours are Monday - Friday 8am to 5pm

Inspections: An inspection every four months (three times annually) which includes inspecting/servicing the mechanical, electrical, and other applicable components to ensure proper function. The annual fee does not include any parts, cleaning/pumping, chlorine/bleach (tablets or liquid), additional service calls or additional testing that may be required by any regulating authority. If for any reason, we are unable to obtain access to your property or system to perform a service check, you may be charged a \$75 service call for re-scheduling. It is very important that we always have full access to your system, including all gate codes, combination locks etc. to inspect your system.

Service Calls: If a service call is required by the property owner/renter between regular inspections, a service call fee of \$75 (not including parts and/or cleaning/pumping) will be assessed. We may waive this fee or credit it towards the cost of a repair approved onsite at our discretion. These calls include but are not limited to the following: red light alarms, high water alarms, chlorinator checks, disconnected airlines, timer adjustments, spray head adjustments and system power failure.

Repairs I: If repairs or replacement of parts are needed during routine inspection, we will attempt to contact the property owner for approval to make onsite repairs. If we are unable to repair/replace parts onsite, the customer will be notified via email that repairs/replacement of parts is needed. All major part replacements come with a 2-year warranty (see notes below). There will be a \$75 warranty credit fee assessed on all parts. Warranted items will only be honored when a valid maintenance agreement is in effect with MJ Septic. If the agreement has a lapse in time, All warranted items are voided.

Repairs II: For ATU's under initial installation warranty (2 years from initial installation date) if warranted items are required to be replaced within 30 days of installation, part will be replaced with no fees, after 30 days there will be a \$75 warranty credit fee assessed on all parts. Warranted items will only be honored when a valid maintenance agreement is in place with MJ Septic.

Violations of Warranty: include but are not limited to the following, turning off your system at any time; disconnecting the alarm; restricting airflow to the air compressor; overloading the system above its daily rated capacity; introducing excessive amounts of harmful matter (including harsh chemicals, cleaners, antibiotics, etc.) into the system, or any other harmful usage of your OSSF/ATU; refusing to clean/pump out septic when recommended and/or replacing necessary parts as needed; necessary treatment of ants. property owners must keep grass, weeds, and plants trimmed and clear of tank access points, control panel, air compressor, etc. Moving sprinkler lines without proper documentation, etc. Building over septic tanks, lids, etc. Adding pools, decks, sport courts, outdoor kitchens, sheds, etc. without proper septic design and county permitting is not acceptable. You must have a septic designer redesign your septic system and have permitting authority's approval prior to any additions being made. MJ Septic is not liable for any fines you may incur from illegal modifications.

Septic Tank Pumping: The cost for cleaning/pumping of your ATU is not included in your maintenance agreement. Manufacturer recommends pumping between 10-12" of sludge in the pump tank. We determine this by gathering 2-3 different readings out of your pump tank with a sludge judge. A few other factors that may determine pumping is necessary, even if sludge in the pump tank is less than 10-12". *A typical/average household will need to have their system pumped every 1-3 years; this all depends on usage and will vary per household*

Chlorine Supply: The property owner is responsible for maintaining their own chlorine supply. TCEQ regulation requires proper chlorination. For liquid chlorinators, property owners are to add 2-3 gallons of 6-10% Sodium Hypochlorite (Household Bleach) per month. Chlorine consumption will vary depending on water usage. For tablet chlorinators, property owners can purchase Calcium Hypochlorite tablets at a local Home Depot or Lowe's. **DO NOT USE POOL TABLETS** (this can cause a dangerous volatile chemical reaction).

Transfer of Maintenance Agreement/Property Ownership: The fee of this maintenance agreement is non-refundable, however is fully transferable to the new property owner(s). If this policy is sold within the agreement period, the signing party is responsible for all repairs unless the new property owner(s) information is provided before repairs are made and the transfer agreement is signed (by the new property owner) and returned to us. The new property owner(s) will be emailed a copy of the electronic orientation, if it was an MJ Septic installation, once the signed agreement is received on file with our office.

Rental Homes: The property owner is responsible for all fees associated with this agreement. The property owner is responsible for ensuring all tenants are informed on proper usage of the system.

Alterations and Modifications to the OSSF: Do not allow alteration to any part of the system or sprinkler head locations. Alterations will put the system out of county/code compliance and may cause the property owner additional expense to bring the system back into compliance. Any use of another company to make repairs to the system will void any warranties and be considered as a breach of this maintenance agreement. If a customer chooses to purchase and use their own parts, MJ Septic will not install nor work on these parts. Adding pools, decks, sport courts, outdoor kitchens, sheds, landscaping features, etc. without proper septic design and county permitting is not acceptable. You must have a septic designer redesign your septic system and have permitting authority's approval prior to any additions being made. MJ Septic is not liable for any fines you may incur from unapproved alterations and modifications.

Payment Terms: This agreement must be paid in full before any services are rendered. A credit card will be required at time of booking any service for parts, repairs, cleaning/pumping, service calls, red lights, etc. unless otherwise specifically noted. MJ will not perform any repairs or pumping unless we have a credit card on file. MJ Septic no longer accepts payment onsite, whether it be a check or credit card, and we do not offer billing/invoicing for future payments; this is a strict office policy, no exceptions.

Property owner(s) are not required to be present at inspections. Please note, customers will receive a notice 1-15 business days prior to your scheduled inspection. An additional notice may be sent the day of scheduled inspection when the technician is headed to your property. A door hanger will be left if no one is onsite. Inspection reports are immediately emailed upon inspection completion to the email address(es) you provided to MJ Septic, please check your spam folder. If you have not received your report 3-5 business days after your scheduled inspection, please call our office.

Please note, customers will receive an emailed notice 1-15 business days prior to your scheduled inspection, this is your only notification we will send. MJ Septic will assess a \$75 re inspection/missed inspection fee if we are not granted access to complete your inspection on the date assigned, aggressive dogs, overgrown vegetation, system inaccessible, etc. It is your responsibility to contact the office to update any information during the duration of your agreement.

Acceptance of Maintenance Agreement: Agreement price, terms and conditions are satisfactory and are hereby accepted. MJ Septic is authorized to enter property to perform routine maintenance inspections as agreed. I have read and agreed to the maintenance agreement guidelines stated above and have also read and agreed to comply with the Maintenance Tips/Septic Guide. MJ Septic reserves the right to make amendments to this document at any time and the property owner will be responsible for signing an updated version for office and county records.

Customer Name: Stephen M. Halseth and Debra Lynn Halseth

Service Address 34728 Carries Creek

Service City, State & Zip: Bulverde, Texas 78163

Agreement Dates: 3 - 25 - 2025

I have fully read the terms of this agreement. I understand that upon issuance of OSSF LTO, I will contact MJ Septic to fully enroll, update all property information and/or transfer this agreement. Upon completion, I am aware that an electronic system orientation will be emailed to me.

MJ Septic will not sign this agreement unless we have a signed installation estimate on file.

Customer Signature: Stephen M. Halseth Debra L. Halseth

Customer Signature Date: 3 - 25 - 2025

MJ Septic Signature: Brianna Perez

MJ Septic Signature Date: 04/10/2025

Greg W. Johnson, P.E.
170 Hollow Oak
New Braunfels, Texas 78132
830/905-2778

March 25, 2025

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

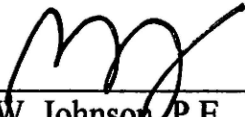
RE- SEPTIC DESIGN
34728 CARRIES CREEK
BELLE OAKS RANCH, PHASE 7, BLOCK 11, LOT 13
BULVERDE, TX 78163
HALSETH RESIDENCE

Brandon/Brenda,

The referenced property is located within the Edwards Aquifer Contributing Zone. This OSSF design will comply with requirements in the CZP.

Temporary erosion and sedimentation controls should be utilized as necessary prior to construction. If any sensitive feature (caves, solution cavities, sink holes, etc.) is discovered during construction, activities must be suspended immediately and the applicant or his agent must immediately notify the TCEQ Regional Office. After that operations can only proceed after the Executive Director approves required additional engineered impact plans.

Designed in accordance with Chapter 285, Subchapter D, §285.40, 285.41, & 285.42, Texas Commission on Environmental Quality (Effective December 29, 2016).

 03/25/25

Greg W. Johnson, P.E. No. 67587 / F#2585
170 Hollow Oak
New Braunfels, Texas 78132 - 830/905-2778



ON-SITE SEWERAGE FACILITY SOIL EVALUATION REPORT INFORMATION

Date Soil Survey Performed: March 24, 2025

Site Location: BELLE OAKS RANCH, PHASE 7, BLOCK 11, LOT 13

Proposed Excavation Depth: N/A

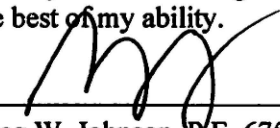
Requirements:

At least two soil excavations must be performed on the site, at opposite ends of the proposed disposal area.
Locations 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 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 the form. Indicate depths where features appear.

SOIL BORING NUMBER <u> </u> SURFACE EVALUATION <u> </u>						
Depth (Feet)	Texture Class	Soil Texture	Gravel Analysis	Drainage (Mottles/ Water Table)	Restrictive Horizon	Observations
0	IV	CLAY	N/A	NONE OBSERVED	LIMESTONE @ 10"	BROWN
1						
2						
3						
4						
5						

SOIL BORING NUMBER <u> </u> SURFACE EVALUATION <u> </u>						
Depth (Feet)	Texture Class	Soil Texture	Gravel Analysis	Drainage (Mottles/ Water Table)	Restrictive Horizon	Observations
0	SAME		AS		ABOVE	
1						
2						
3						
4						
5						

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



Greg W. Johnson, P.E. 67587-F2585, S.E. 11561

03/24/25

Date

OSSF SOIL EVALUATION REPORT INFORMATION

Date: March 25, 2025

Applicant Information:

Name: STEVE M. & DEBRA L. HALSETH
Address: c/o P.O. BOX 250
City: SPRING BRANCH State: TEXAS
Zip Code: 78070 Phone: (281) 639-8901

Site Evaluator Information:

Name: Greg W. Johnson, P.E., R.S., S.E. 11561
Address: 170 Hollow Oak
City: New Braunfels State: Texas
Zip Code: 78132 Phone & Fax (830)905-2778

Property Location:

Lot 13 Unit 7 Blk 11 Subd. BELLE OAKS RANCH
Street Address: 34728 CARRIES CREEK
City: BULVERDE Zip Code: 78163
Additional Info.: _____

Installer Information:

Name: _____
Company: _____
Address: _____
City: _____ State: _____
Zip Code: _____ Phone _____

Topography: Slope within proposed disposal area: 3 %

Presence of 100 yr. Flood Zone: YES _____ NO X
Existing or proposed water well in nearby area. YES _____ NO X
Presence of adjacent ponds, streams, water impoundments YES _____ NO X
Presence of upper water shed YES _____ NO X
Organized sewage service available to lot YES _____ NO X

Design Calculations for Aerobic Treatment with Spray Irrigation:

Commercial

Q = _____ GPD

Residential Water conserving fixtures to be utilized? Yes X No _____

Number of Bedrooms the septic system is sized for: 4 Total sq. ft. living area 2987

Q gal/day = (Bedrooms +1) * 75 GPD - (20% reduction for water conserving fixtures)

Q = (4 +1)*75-(20%)= 300

Trash Tank Size 397 Gal.

TCEQ Approved Aerobic Plant Size 600 G.P.D.

Req'd Application Area = Q/Ri = 300 / 0.064 = 4688 sq. ft.

Application Area Utilized = 4825 sq. ft.

Pump Requirement 12 Gpm @ 41 Psi (Redjacket 0.5 HP 18 G.P.M. series or equivalent)

Dosing Cycle: _____ ON DEMAND or X TIMED TO DOSE IN PREDAWN HOURS

Pump Tank Size = 768 Gal. 13.3 Gal/inch.

Reserve Requirement = 100 Gal. 1/3 day flow.

Alarms: Audible & Visual High Water Alarm & Visual Air Pump malfunction

With Chlorinator NSF/TCEQ APPROVED

SCH-40 or SDR-26 3" or 4" sewer line to tank

Two way cleanout

Pop-up rotary sprinkler heads w/ purple non-potable lids

1" Sch-40 PVC discharge manifold

APPLICATION AREA SHOULD BE SEEDED AND MAINTAINED WITH VEGETATION.

EXPOSED ROCK WILL BE COVERED WITH SOIL .

I HAVE PERFORMED A THOROUGH INVESTIGATION BEING A REGISTERED PROFESSIONAL ENGINEER AND SITE EVALUATOR IN ACCORDANCE WITH CHAPTER 285, SUBCHAPTER D, §285.30, & §285.40 (REGARDING RECHARGE FEATURES), TEXAS COMMISSION OF ENVIRONMENTAL QUALITY (EFFECTIVE DECEMBER 29, 2016)

GREG W. JOHNSON, P.E. F#002585 - S.E. 11561

03/25/25
DATE

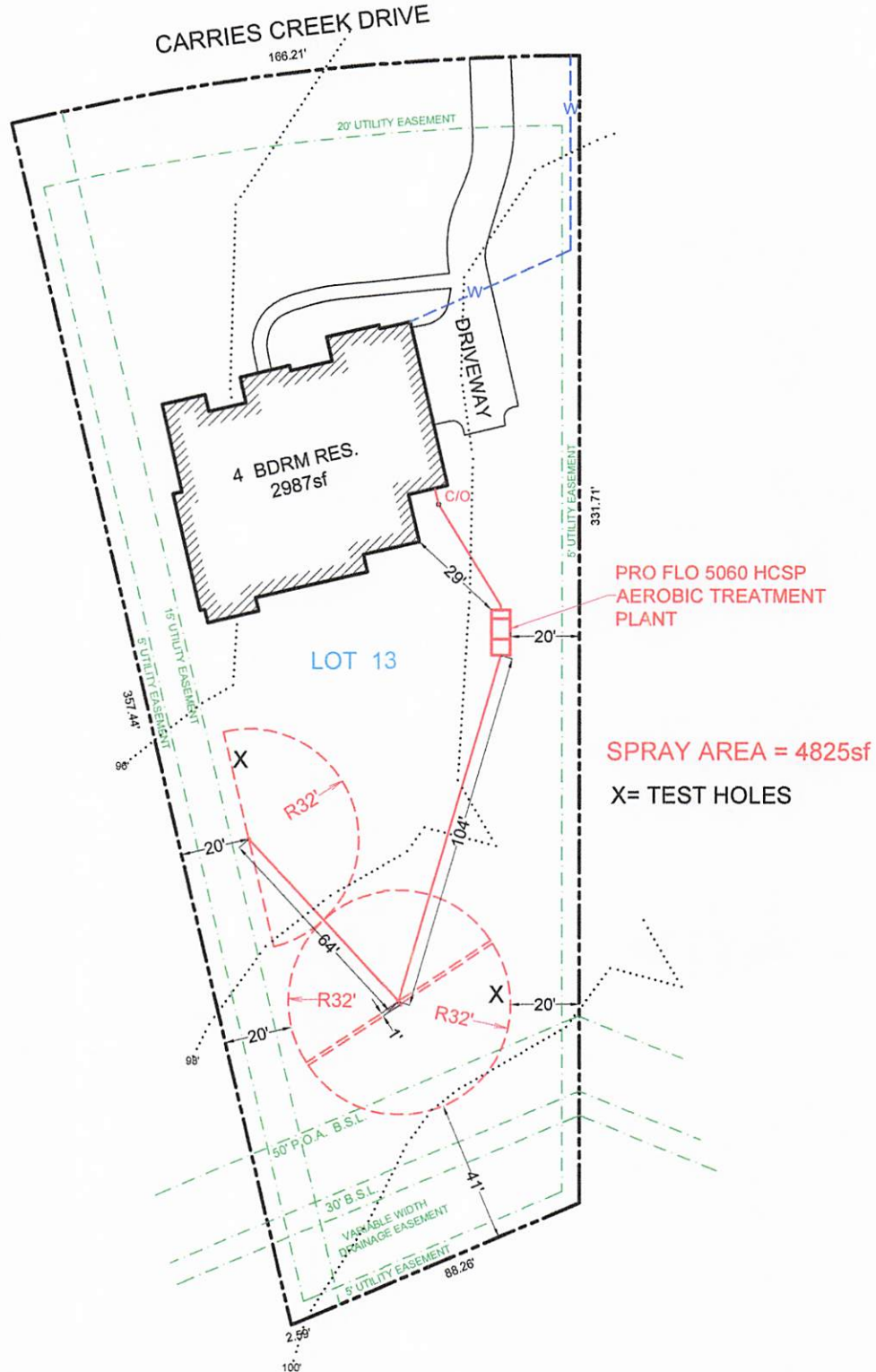


FIRM #2585

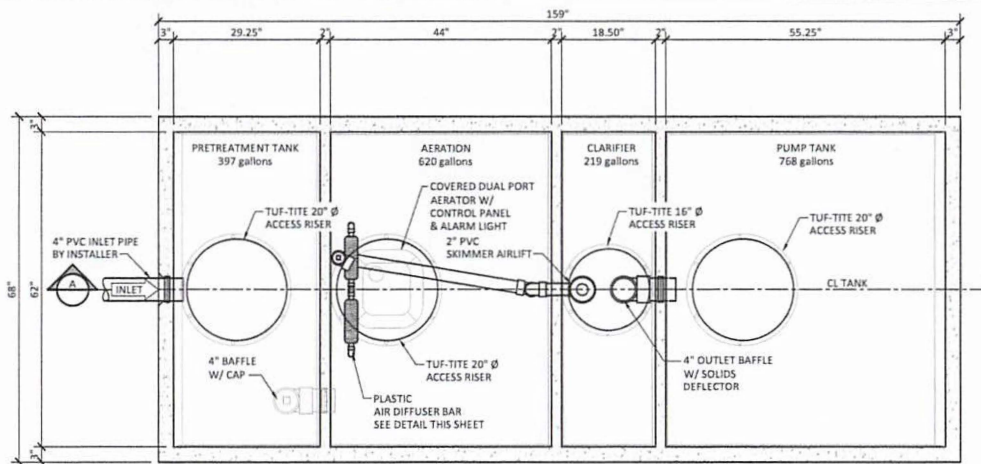
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By Brandon Olvera at 12:36 pm, Jun 10, 2025

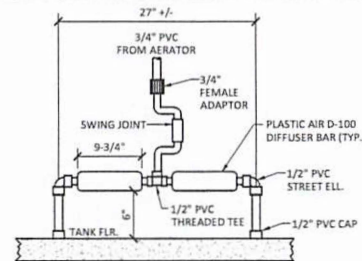
#118614



OWNER: STEVE M. & DEBRA L. HALSETH				DRAWN BY: EJS III	
STREET ADDRESS: 34728 CARRIES CREEK					
LEGAL DESC: BELLE OAKS RANCH			UNIT/SECTION/PHASE: 7	BLOCK: 11	LOT: 13
PREPARED BY: GREG W. JOHNSON, P.E. F#002585		SCALE: 1"=50'	DATE: 3/25/2025		REVISED: 6/3/2025



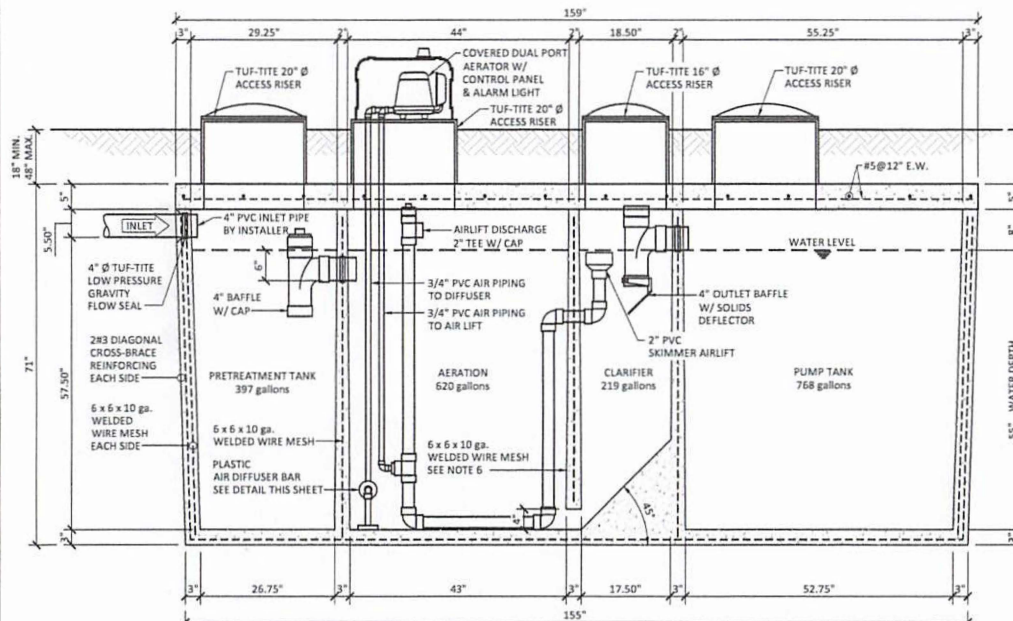
PLAN



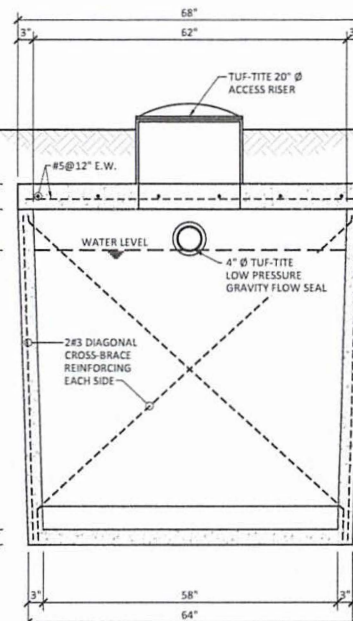
AIR DIFFUSER DETAIL

GENERAL NOTES:

1. ALL CONCRETE TO BE 4000 PSI WITH A AGGREGATE SIZE OF 3/4".
2. ALL INSPECTION HOLES AND TOPS ARE TO BE SEALED WITH A NEOPRENE SEALER.
3. THE SUB GRADE IS TO BE WITHIN 1/2" AND FREE OF FOREIGN OBJECTS.
4. PRETREATMENT TANK & CLARIFIER RISERS MAY BE BELOW GRADE.
5. TANK LID TO BE SEALED WITH ASPHALTIC SEALANT.
6. A 2-1/2" THICK WALL MAY BE USED IN LIEU OF THE CAST IN PLACE INTERNAL WALL BETWEEN THE AERATION & CLARIFIER.
7. THE MANUFACTURER IS REQUIRED TO DEMONSTRATE THAT FAILURE WILL NOT OCCUR BY PHYSICALLY APPLYING LOADS TO THE TANK. THE LOAD APPLIED SHALL BE 1.5 TIMES THE DESIGN DEAD LOAD. SUCH TESTING SHALL BE WITNESSED & CERTIFIED BY A REGISTERED PROFESSIONAL ENGINEER.



SECTION A-A



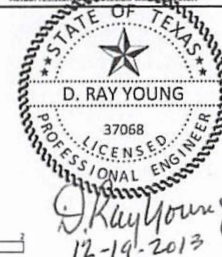
OUTLET END ELEVATION

*NOTE:
2" AIRLIFT RISER TO BE STRAPPED TO WALL. SECTION
DRAWING SHOWS IT IN FRONT OF DIFFUSER FOR CLARITY

TANK DIMENSIONS		
TANK LENGTH (TOP)	159.00	in.
TANK LENGTH (BOTTOM)	155.00	in.
TANK WIDTH (TOP)	68.00	in.
TANK WIDTH (BOTTOM)	64.00	in.
TANK HEIGHT	71.00	in.
WALL THICKNESS	3.00	in.
FLOOR THICKNESS	3.00	in.
LID THICKNESS	5.00	in.
BOTTOM TO INLET	60.50	in.

TANK VOLUMES		
PRETREATMENT CAPACITY	397	gal.
AERATION CAPACITY	620	gal.
CLARIFIER CAPACITY	219	gal.
PUMP TANK CAPACITY	768	gal.
WATER DEPTH	55	in.
TANK CONCRETE VOLUME	86.11	FT ³
TANK LID CONCRETE VOLUME	27.97	FT ³
TANK WEIGHT (EMPTY)	12917	lbs.
LID WEIGHT	4196	lbs.
TOTAL TANK WEIGHT (EMPTY)	17112	lbs.

TANK BUOYANCY CALCULATIONS				
TANK DIMENSIONS:				
Length =	159.0	Inches =	13.3	Ft
Width =	68	Inches =	5.7	Ft
Height =	71	Inches =	5.9	Ft
Tank Displacement Volume =		444.2	Cu Ft	
Uplift Force (@ 62.4 lb/cu ft) =		27720.8	Lbs	
RESISTING FORCES				
Concrete Tank Deadweight (Empty) =		17112	Lbs	
Weight of Insulated Equipment & Hatches =		150	Lbs	
Total Tank Weight =		17262	Lbs	
WEIGHT OF SOIL OVER TANK				
Length =		13.3	Ft	
Width =		5.7	Ft	
X-Section Area =		75.1	Sq Ft	
LESS ACCESS HATCH AREAS				
1	16	Inches =	-1.05	Sq Ft
3	20	Inches =	-3.93	Sq Ft
Net Area for Soil Cover =		70.1091	Sq Ft	
Height of Soil Cover =		18.0	Inches	
Soil Cover Volume =		105.2	Cu Ft	
Compacted Weight of Soil Cover =		100.00	Lbs/Cu	
Weight of Soil Cover =		10516.37	Lbs	
Total Downward Force =		27778.37	Lbs	
Net Uplift Force =		-57.61	Lbs	
Since uplift force is negative, tank will not float when empty with indicated cover.				
Soil skin friction has been neglected.				
Actual resistance may be higher or lower.				



SCALE: 1" = 1'-0" (PLAN)
1" = 1'-0" (ELEV.)

REVISIONS / ISSUANCE

REF.	DATE	DESC.

WATERENGINEERS, INC.
Water & Wastewater Treatment Consultants
TEXAS BOARD OF PROFESSIONAL ENGINEERS FIRM No. 2066
TEL: 281-377-0500
17230 HURSTWATER ROAD
CYPRESS, TEXAS 77424
FAX: 281-377-1113

THIS DOCUMENT IS THE PROPERTY OF WATERENGINEERS, INC. AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM.

PRO FLO AEROBIC SYSTEMS, LP
WASTEWATER TREATMENT SYSTEMS
20222 FM 362
WALLER, TEXAS 77484

AEROBIC WASTEWATER TREATMENT UNIT
FOR USE IN HARRIS COUNTY, TEXAS

MODEL No.

5060 HCSP

DRAWN BY: JLW
DATE: 12/3/2013
JOB No.: 4804.12
SHEET No.: 04 of 04

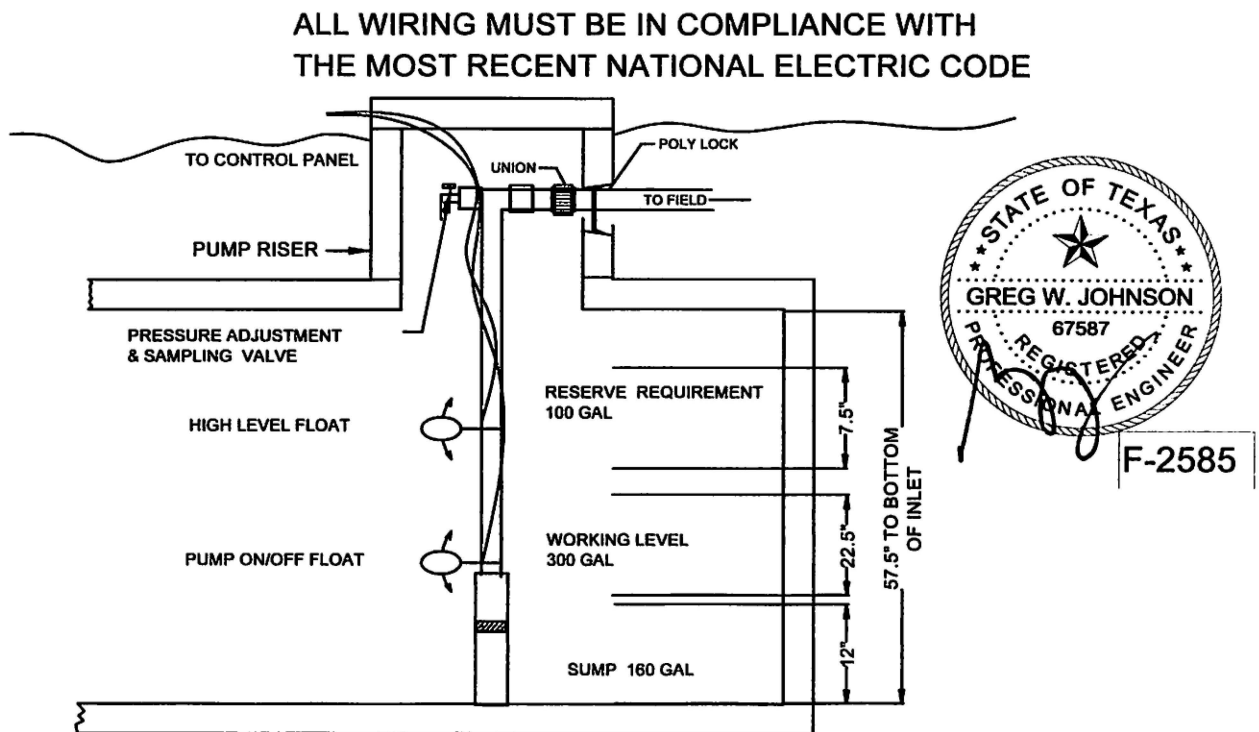
TANK NOTES:

Tanks must be set to allow a minimum of 1/8" per foot fall from the residence.

Tightlines to the tank shall be SCH-40 PVC.

A two way sanitary tee is required between residence and tank.

A minimum of 4" of sand, sandy loam, clay loam free of rock shall be placed under and around tanks



**TYPICAL PUMP TANK CONFIGURATION
PRO-FLO 768 GAL PUMP TANK**

Environmental Series Pumps

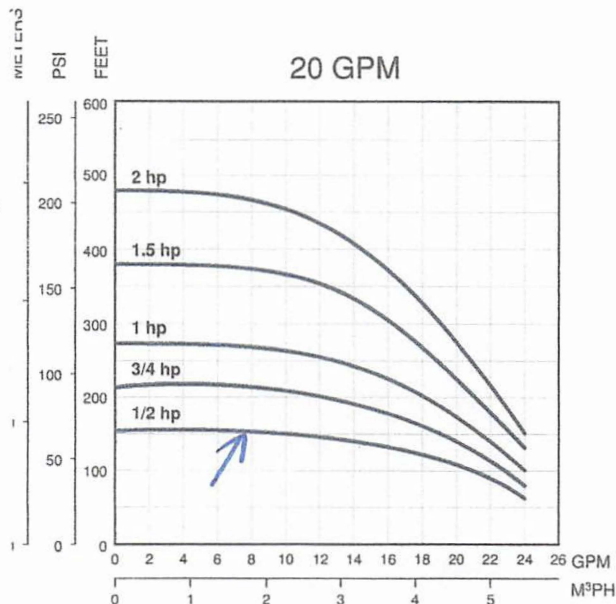
Thermoplastic Performance

LOW ANGLE NOZZLE PERFORMANCE CHART

Nozzle	PSI	Radius	GPM
#1	30	22'	1.5
	40	24'	1.7
	50	26'	1.8
	60	28'	2.0
#3	30	29'	3.0
	40	32'	3.1
	50	35'	3.5
	60	37'	3.8
#4	30	31'	3.4
	40	34'	3.9
	50	37'	4.4
	60	38'	4.7
#6	40	38'	6.5
	50	40'	7.3
	60	42'	8.0
	70	44'	8.6

KRAIN
Pro-Plus

✱



Thermoplastic Units Ordering Information

1/2 - 1.5 HP Single-Phase Units

Order No.	Model	GPM	HP	Volt	Wire	Wt.
94741005	10FE05P4-2W115	10	1/2	115	2	24
94741010	10FE05P4-2W230	10	1/2	230	2	24
94741015	10FE07P4-2W230	10	3/4	230	2	28
94741020	10FE1P4-2W230	10	1	230	2	31
94741025	10FE15P4-2W230	10	1.5	230	2	46
94742005	20FE05P4-2W115	20	1/2	115	2	25
94742010	20FE05P4-2W230	20	1/2	230	2	25
94742015	20FE07P4-2W230	20	3/4	230	2	28
94742020	20FE1P4-2W230	20	1	230	2	31
94742025	20FE15P4-2W230	20	1.5	230	2	40

Thermoplastic 1/2 - 2 HP Pump Ends

Order No.	Model	GPM	HP	Volt	Wire	Wt.
94751005	10FE05P4-PE	10	1/2	N/A	N/A	6
94751010	10FE07P4-PE	10	3/4	N/A	N/A	7
94751015	10FE1P4-PE	10	1	N/A	N/A	8
94751020	10FE15P4-PE	10	1.5	N/A	N/A	12
94752005	20FE05P4-PE	20	1/2	N/A	N/A	6
94752010	20FE07P4-PE	20	3/4	N/A	N/A	7
94752015	20FE1P4-PE	20	1	N/A	N/A	8
94752020	20FE15P4-PE	20	1.5	N/A	N/A	10
94752025	20FE2P4-PE	20	2	N/A	N/A	11



COMAL COUNTY

ENGINEER'S OFFICE

RE: ***34728 Carries Creek
Belle Oaks Ranch 7
Block 11 Lot 13***

Dear Property Owner & Agent,

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

- ✓ Submit a copy of the approved building permit or written verification from the City of Bulverde stating that the improvements on the referenced property do not require a building permit.
- ✓ Site Plan:
 - a. Show the 15ft PUE.
- 3. Revise accordingly and resubmit.

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

Thank You,

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

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



X= TEST H



OWNER: STEVE M. & DEBRA L. HALSETH		DRAWN BY: EJS III	
STREET ADDRESS: 34728 CARRIES CREEK			
LEGAL DESC: BELLE OAKS RANCH		UNIT/SECTION/PHASE: 7	BLOCK: 11
		LOT: 13	
PREPARED BY: GREG W. JOHNSON, P.E. F#002585	SCALE: 1"=50'	DATE: 3/25/2025	REVISED:

RECEIVED

By Brandon Olvera at 12:34 pm, Jun 10, 2025

PERMIT

PERMIT #: 2025-149

PROJECT ADDRESS: 34728 Carries Creek Drive NSFR

DESIGNATION: Residential

OWNER NAME: Steve & Debra Halseth

PERMIT TYPE: New Single Family
(Residential)



ISSUED TO (CONTRACTOR): Journey Homes - Ken Wickens
P. O. Box 250 (281) 639-8901
ken@journeyhomes.us

Issued Date: May 08, 2025

Expiration Date: November 04, 2025

STIPULATIONS IF ANY:

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

PERMIT

INSPECTION INFORMATION

- TO SCHEDULE INSPECTIONS PLEASE REQUEST ONLINE VIA <https://mgoconnect.org/cp/portal>. Please schedule by 2pm for next day inspections.

- REQUIRED INSPECTIONS:

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

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

RECEIVED

By Brandon Olvera at 12:34 pm, Jun 10, 2025

PERMIT

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

RECEIVED

By Brandon Olvera at 12:34 pm, Jun 10, 2025

General Warranty Deed

Notice of confidentiality rights: If you are a natural person, you may remove or strike any or all of the following information from any instrument that transfers an interest in real property before it is filed for record in the public records: your Social Security number or your driver's license number.

Date: February 12, 2025

Grantor: Colby Rhodes Kaminer and Mary Claire Kaminer, a married couple

Grantor's Mailing Address: 16322 Haden Crest, Cypress, TX 77429

Grantee: Steve M. Halseth and Debra L. Halseth

Grantee's Mailing Address: 16322 Haden Crest Cypress, TX 77429

Consideration: the sum of TEN DOLLARS (\$10.00) cash, and other good and valuable consideration

Property (including any improvements):

Lot 13, Block 11, BELLE OAKS RANCH, PHASE VII, a subdivision in Comal County, Texas, according to the map or plat thereof recorded in Document No. 202106043827, Map and Plat Records of Comal County, Texas.

Reservations from Conveyance: None

Exceptions to Conveyance and Warranty:

This Deed is executed, delivered and accepted subject to all and singular any liens securing the payment of any debt created or assumed in connection herewith if such liens are described herein, standby fees, ad valorem taxes for the current and all subsequent years, subsequent assessments for prior years due to changes in land usage or ownership, zoning ordinances, utility district assessments and standby fees, if any, applicable to and enforceable against the above described property, and all valid utility easements created by the dedication deed or plat of the subdivision in which said real property is located, covenants, restrictions common to the platted subdivision in which said real property is located, mineral reservations, maintenance fund liens, and any title or rights asserted by anyone, including, but not limited to, persons, corporations, governments or other entities to tidelands, or lands comprising the shores or beds of navigable or perennial rivers and streams, lakes, bays, gulfs or oceans, or to any land extending from the line of the harbor or bulkhead lines as established or changed by any government or to filled-in lands, or artificial islands, or to riparian rights or other statutory water rights, or the rights or interests of the State of Texas or the public generally in the area extending from the line of mean low tide to the line of vegetation or the right of access thereto, or right of easement along and across the same, if any, applicable to and enforceable against the above described property as shown by the records of the County Clerk of the County in which said real property is located.

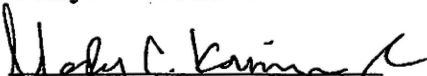
Capital Title
GF# 25-87287-00

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

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

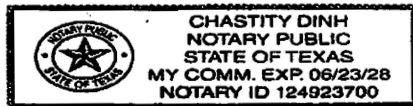
EXECUTED this 12th day of February, 2025.


Colby Rhodes Kaminer


Mary Claire Kaminer

THE STATE OF TEXAS §
COUNTY OF BELAR §

Before me, a Notary Public, the foregoing instrument was acknowledged on 12th day of February, 2025 by Colby Rhodes Kaminer and Mary Claire Kaminer who personally appeared before me, and who is known to me through DRIVERS LICENSES to be the person(s) who executed it for the purposes and consideration expressed therein, and in the capacity stated.




NOTARY PUBLIC, STATE OF
TEXAS

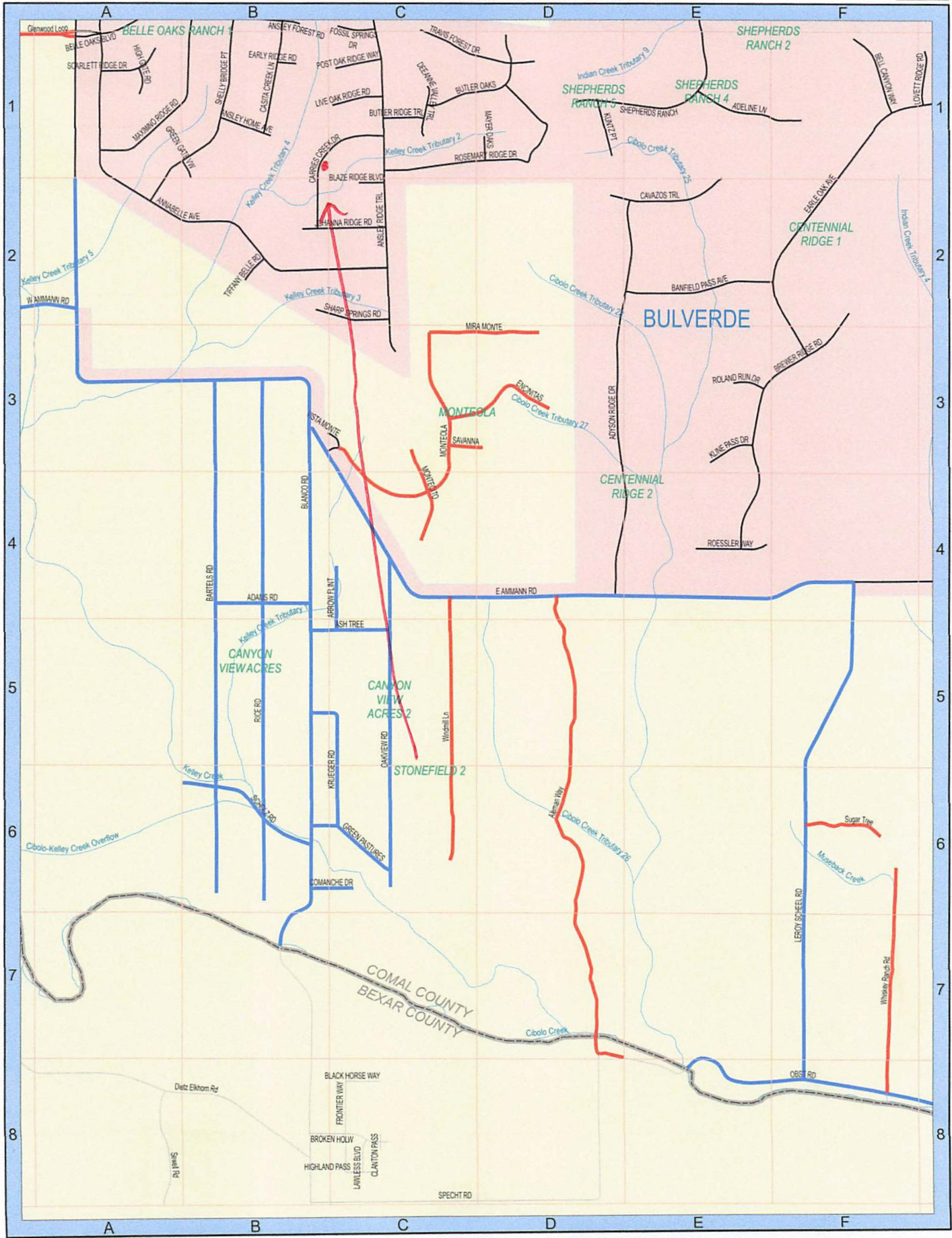
AFTER RECORDING, RETURN TO:

PREPARED IN THE LAW OFFICE OF
Shaddock & Associates, P. C.
2400 N. Dallas Parkway, Ste. 560
Plano, Texas 75093

Filed and Recorded
Official Public Records
Bobbie Koepp, County Clerk
Comal County, Texas
02/13/2025 08:43:13 AM
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SEE PAGE 52

