staller Name:	OSSF Installer #:	
1st Inspection Date:	2nd Inspection Date:	3rd Inspection Date:
Inspector Name:	Inspector Name:	Inspector Name:

Perm	it#:		Address:	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)					
	SEWER PIPE Two Way Sanitary - Type Cleanout Properly Installed (Add. C/O Every 100' &/or 90 degree bends)		285.32(a)(5)					
5	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)(C)(i) 285.32(b)(1)(C)(ii) 285.32(b)(1)(D) 285.32(b)(1)(E) 285.32(b)(1)(E) 285.32(b)(1)(E) 285.32(b)(1)(E)(ii)(II) 285.32(b)(1)(E)(ii)(II) 285.32(b)(1)(E)(ii)(II) 285.32(b)(1)(E)(ii)(II)					
7	PRETREATMENT Grease Interceptors if required for commercial		285.34(d)					

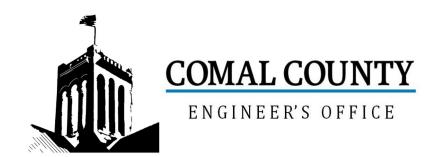
Inspector Notes:

N-	December 41	A may	Citotiana	Net	1 at 1	2 m d 1	7 mal 1
No.	Description SEPTIC TANK Tank(s) Clearly	Answer	Citations	Notes	1st Insp.	2nd Insp.	3rd Insp.
8	Marked SEPTIC TANK IsingleTank, 2Compartments Provided withBaffle SEPTIC TANK Inlet Flowline Greater than3" and "T" Provided on Inlet and OutletSEPTIC TANK Septic Tank(s) MeetMinimum 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) (I)285.32(b)(1)(E) (i)285.32(b)(1)(E) (i)285.32(b)(1)(C) (ii)285.32(b)(1)(C) (ii)285.32(b)(1)(C) (ii)285.32(b)(1) (B)285.32(b)(1) (A)285.32(b)(1)(E)(iv)				
1	ALL TANKS Installed on 4" Sand Cushion/ Proper Backfill Used		285.32(b)(1)(F) 285.32(b)(1)(G) 285.34(b)				
	SEPTIC TANK Inspection / Clean Out Port & Risers Provided on Tanks Buried Greater than 12" Sealed and Capped		285.38(d)				
	SEPTIC TANK Secondary restraint system providedSEPTIC TANK Riser permanently fastened to lid or cast into tank SEPTIC TANK Riser cap protected against unauthorized intrusions		285.38(d) 285.38(e)				
	SEPTIC TANK Tank Volume Installed						
12							
	PUMP TANK Volume Installed						
1	AEROBIC TREATMENT UNIT Size Installed						
14							
	AEROBIC TREATMENT UNIT Manufacturer AEROBIC TREATMENT UNIT Model Number						
15	DISPOSAL SYSTEM Absorptive		285.33(a)(4) 285.33(a)(1) 285.33(a)(2) 285.33(a)(3)				
17	DISPOSAL SYSTEM Leaching Chamber		285.33(a)(1) 285.33(a)(3) 285.33(a)(4) 285.33(a)(2)				
18	DISPOSAL SYSTEM Evapo- transpirative		285.33(a)(3) 285.33(a)(4) 285.33(a)(1) 285.33(a)(2)				
18			203.33(a)(2)				

	OSSI Inspection Sheet							
No.	Description	Answer	Citations	Notes	1st Insp.	2nd Insp.	3rd Insp.	
19	DISPOSAL SYSTEM Drip Irrigation		285.33(c)(3)(A)-(F)					
20	DISPOSAL SYSTEM Soil Substitution		285.33(d)(4)					
21	DISPOSAL SYSTEM Pumped Effluent		285.33(a)(4) 285.33(a)(3) 285.33(a)(1) 285.33(a)(2)					
22	DISPOSAL SYSTEM Gravelless Pipe		285.33(a)(3) 285.33(a)(2) 285.33(a)(4) 285.33(a)(1)					
23	DISPOSAL SYSTEM Mound		285.33(a)(3) 285.33(a)(1) 285.33(a)(2) 285.33(a)(4)					
24	DISPOSAL SYSTEM Other (describe) (Approved Design)		285.33(d)(6) 285.33(c)(4)					
	DRAINFIELD Absorptive Drainline 3" PVC or 4" PVC							
26	DRAINFIELD Area Installed							
	DRAINFIELD Level to within 1 inch per 25 feet and within 3 inches over entire excavation		285.33(b)(1)(A)(v)					
	DRAINFIELD Excavation Width DRAINFIELD Excavation Depth DRAINFIELD Excavation Separation DRAINFIELD Depth of Porous Media DRAINFIELD Type of Porous Media							
	DRAINFIELD Pipe and Gravel - Geotextile Fabric in Place		285.33(b)(1)(E)					
	DRAINFIELD Leaching Chambers DRAINFIELD Chambers - Open End Plates w/Splash Plate, Inspection Port & Closed End Plates in Place (per manufacturers spec.)		285.33(c)(2)					
	LOW PRESSURE DISPOSAL SYSTEM Adequate Trench Length & Width, and Adequate Separation Distance between Trenches		285.33(d)(1)(C)(i)					

T		_					
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)				
	AEROBIC TREATMENT UNIT IS Aerobic Unit Installed According to Approved Guidelines.		285.32(c)(1)				
	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						
	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						
	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						
	PUMP TANK Electrical Connections in Approved Junction Boxes / Wiring Buried						

				-			
No.	Description	Answer	Citations	Notes	1st Insp.	2nd Insp.	3rd Insp.
	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)(iii) 285.33(d)(2)(G)(iii)(I)				
	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)				
	APPLICATION AREA Area Installed						
	PUMP TANK Meets Minimum Reserve Capacity Requirements						
	PUMP TANK Material Type & Manufacturer						
	PUMP TANK Type/Size of Pump Installed						



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

Permit Number: 118675

Issued This Date: 06/11/2025

This permit is hereby given to: Mark & Maria Chase

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

9102 PORTOFINO PLACE GARDEN RIDGE, TX 78266

Subdivision: The Enclave of Garden Ridge

Unit: 2 Lot: 37

Block: 1

Acreage: 0.7700

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 County requirements.

Call (830) 608-2090 to schedule inspections.

RECEIVED
By Kathy Griffin at 11:26 am, May 22, 2025

* COMAL COUNTY OFFICE OF ENVIRONMENTAL HEALTH * * *

APPLICATION FOR PERMIT FOR AUTHORIZATION TO CONSTRUCT AN ON-SITE SEWAGE FACILITY AND LICENSE TO OPERATE

Date May 20, 2015	118675 Permit #
Owner Name Mark Chase & Maria E Chase Agent Name	
Mailing Address 22016 Las Cimas Dr Agent Address	
City Chat 7: 0	
Phone # (210) 748-0769 Phone #	
Email marchase 1981 e yahoo.com Email	
All correspondence should be sent to: ☐ Owner ☐ Agent ☒ Both	Method: ☐ Mail ☐ Email
Subdivision Name The Enclave of Garden Ridge Unit 2 Acreage/Legal 0.77	
Street Name/Address 9102 PortoFino P1 City Gar	das Bides Zip 787//
Type of Development:	0.40 1-11013e
Single Family Residential	
Type of Construction (House, Mobile, RV, Etc.)	
Number of Bedrooms 4	
Indicate Sq Ft of Living Area 2350092	
Non-Single Family Residential	
(Planning materials must show adequate land area for doubling the required land needed for	treatment units and discount
Type of Facility	treatment units and disposal area)
Offices, Factories, Churches, Schools, Parks, Etc Indicate Number Of Occupant	
Restaurants, Lounges, Theaters - Indicate Number of Seats	5
Hotel, Motel, Hospital, Nursing Home - Indicate Number of Beds	
Miscellaneous	
Estimated Cost of Construction: \$Existing structure (Structure Only)	
Is any portion of the proposed OSSF located in the United States Army Corps of Eng	ineers (USACE) flowage conservation
Yes No (If yes, owner must provide approval from USACE for proposed OSSF improvem	ents within the USACE flowage construct)
Source of Water 💢 Public 🗌 Private Well	one want the OSACE howage easement)
Are Water Saving Devices Being Utilized Within the Residence? X Yes No	
By signing this application, I certify that: The completed application and all additional information submitted does not contain any false in facts. I certify that I am the property owner or I possess the appropriate land rights necessary to property. Authorization is hereby given to the permitting authority and designated agents to enter upon the site/soil evaluation and inspection of private sewage facilities.	e above described property for the purpose of
I understand that a permit of authorization to construct will not be issued until the Floodplain Adn by the Comal County Flood Damage Prevention Order. I affirmatively consent to the online posting/public release of my e-mail address associated with the control of the contro	ninistrator has performed the reviews required
Signature of Owner Main Elna Clase 05/25/2	
Date	

Page 1 of 2

* * * COMAL COUNTY OFFICE OF ENVIRONMENTAL HEALTH * * *

APPLICATION FOR PERMIT FOR AUTHORIZATION TO CONSTRUCT AN ON-SITE SEWAGE FACILITY AND LICENSE TO OPERATE

Planning Materials & Site Evaluation as Required Completed By <u>Vaeleigh Chundall</u>
System Description across of Surface spay
Size of Septic System Required Based on Planning Materials & Soil Evaluation
Tank Size(s) (Gallons) 500 Existing And Absorption/Application Area (Sq Ft) 482562
Gallons Per Day (As Per TCEQ Table III) 200 and
(Sites generating more than 5000 gallons per day are required to obtain a permit through TCEQ.)
Is the property located over the Edwards Recharge Zone? Yes No
(If yes, the planning materials must be completed by a Registered Sanitarian (R.S.) or Professional Engineer (P.E.))
Is there an existing TCEQ approved WPAP for the property? Yes No
(If yes, the R.S. or P.E. shall certify that the OSSF design complies with all provisions of the existing WPAP.)
If there is no existing WPAP, does the proposed development activity require a TCEQ approved WPAP? Yes No (If yes, the R.S. or P.E. shall certify that the OSSF design will comply with all provisions of the proposed WPAP. A Permit to Construct will not be issued for the proposed OSSF until the proposed WPAP has been approved by the appropriate regional office.)
Is the property located over the Edwards Contributing Zone? Yes No
Is there an existing TCEQ approval CZP for the property? Yes No
(If yes, the P.E. or R.S. shall certify that the OSSF design complies with all provisions of the existing CZP.)
If there is no existing CZP, does the proposed development activity require a TCEQ approved CZP? Yes No
(If yes, the R.S. or P.E. shall certify that the OSSF design will comply with all provisions of the proposed CZP. A Permit to Construct will not be issued for the proposed OSSF until the CZP has been approved by the appropriate regional office.)
Is this property within an incorporated city? ☐ Yes ☐ No
If yes, indicate the city: City of Garden Ridge

By signing this application, I certify that:

- The information provided above is true and correct to the best of my knowledge.

- I affirmatively consent to the online posting/public release of my e-mail address associated with this permit application, as applicable.

Signature of Designer

Date

Page 2 of 2



200906021214

14 06/19/2009 11:29:24 AM 1/1 RECEIVE

COUNTY ENGINEER

AFFIDAVIT TO THE PUBLIC

THE COUNTY OF COMAL STATE OF TEXAS

200906021214

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): The Enclave of Garden Ridge BIK Unit 9102 Place The property is owned by (insert owner's full name):
White Stone Custom Homes, Ltd. 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 19 DAY OF Owner(s) signature(s) SWORN TO AND SUBSCRIBED BEFORE ME ON THIS 19 Notary Public, State of Texas Laurie Notary's Printed Name: My Commission Expires: Filed and Recorded Official Public Records Joy Streater, County Clerk Comal County, Texas 06/19/2009 11:29:24 AM COSHONE

Jay Streater



Michael J. Long Michael J. Long TCE9 Maintenance Provider #0001294 Expiration Aug 31 2025

1328 W Borgfeld Dr San Antonio, TX 78260 info@miseptic.com

Invoice 28952131
Invoice Date 11/12/2024
Customer PO
Payment Term Due Upon Receipt

Billing Address

Chase, Mark & Maria 9102 Portofino Place Garden Ridge, TX 78266 USA

Job Address

Chase, Mark & Maria 9102 Portofino Place Garden Ridge, TX 78266 USA

Description of work

11/12/2024 - 11/11/2025

Description

1 Year Renewal, Residential Agreement

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

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.

- 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 rescheduling. 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,

Quantity Price Total 1.00 \$285.00 \$285.00

chlorinator checks, disconnected airlines, timer adjustments, spray head adjustments and system power failure.

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. 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. 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.

The full terms and conditions of this agreement are located in the maintenance agreement attachment.

Paid On 11/12/2024	Type Visa	Memo 11/12/2024 - 11/11/2025	Amount \$285.00	
			Sub-Total Tax	\$285.00 \$0.00
			Total Due Payment	\$285.00 \$285.00

Balance Due \$0.00

Thank you, we appreciate your business and look forward to serving you again soon!

This Maintenance Agreement Enrollment/Renewal has been paid in full by Chase, Mark & Maria.

This Maintenance Agreement is acknowledged by Chase, Mark & Maria, MJ Central Texas Septic, LLC, and the respective Permitting Authority. No signature is required and all terms within are agreed to by all parties and are accepted as written. Note, any invoices with a "Balance Due" reflected are not valid for renewal/enrollment.

OSSF SITE EVALUATION FORM

Applicant/Site Information	Site Evaluator Information
Name Mark & Marya Chare	Name KAELEIGH R. CRANDALL
Address	Address 5596 COUNTY ROAD 5710
City, State, Zip	City, State, Zip DEVINE, TX 78016
Site location 9102 Portufina Place	TCEO or PE PE 134570 License No.

Soil Boring	g/Backhoe Pit Number1	ation:	Proposed Depth Elevation:			
Depth (Feet) Soil Texture		Texture Class (Ia, Ib, II, III, IV) (Required when Texture Class is II or III)		Observation Notes (Restrictive Horizon, Size of Gravel, Groundwater, Mottling, Fractured Rock, Recent Weather. etc.)		
1	3 clay	IV	(30),	none		
2						
5						

Soil Boring/Backhoe Pit Number: 2 Surface Elevation: Proposed Depth Elevation:						
Depth (Feet)	Soil Texture	Texture Class (Ia, Ib, II, III, IV)	% Gravel (Required when Texture Class is II or III)	Observation Notes (Restrictive Horizon, Size of Gravel, Groundwater, Mottling, Fractured Rock, Recent Weather, etc.)		
0	3clay No testholo Soil eval	Is complete	eubers pern	M+		

6						
By my signature, I he	ereby certify that the informat	ion provided in this re	port is based on my s	site observations a	nd are accurate to the	best of 1
ability. I understand	that any misrepresentation of	of the information cont	ained in this report	may be grounds to	revoke or suspend	my licen
	letermined the site is suitable					
	g to Table XIII, the site is sui				IX and XIII have be	en given
the property owner to	inform them of other alterna	tives based upon the re-	sults of this site eval	uation.	clal	
Signature:	elds Candall	TCEO of PE lice	ense #: 134510	Dat	e: 5/20/25	

Site Evaluation:

Soil Texture: Clay
Soil Structure: Blocky
Soil Depth: 0" to 12"

Restrictive Horizon: Rock horizon from 0" to 12" below surface

Groundwater: None encountered

Topography: Less 2% slope at spray areas

Determination: Site was determined to have a Class IV soil with no groundwater

encountered. Due to the clay over the drainfield area an

aerobic treatment unit followed by spray irrigation will be installed. The

spray area will be controlled by a commercial irrigation timer.

Calculations:

System is designed for a 3 bedroom residence with a living area of <3500 sq. ft. Water saving devices are used throughout.

Q = 300 gpd

An existing 500 gallon aerobic treatment system shall be used installed. It has built in pre-treatment, and pump tank. The aerobic unit shall be followed by a spray irrigation system. (Reference the System Layout) Chlorinator is required for water entering pump tank compartment. Liquid type chlorination shall be used.

Ri = 0.064 gal. / sq. ft. / day, (For location in Comal County)

Required Area:

A = Q / Ri, A = (300 gal. / day) / (0.064 gal. / sq. ft. / day) = 4688 sq. ft.

calculations continued on next page....

Owner

Mark & Maria Chase

Drawn by: Kaeleigh R. Crandall

Location Comal County, Texas

Drawing No.

100-10133



MANGOLD Engineering Company

5596 CR 5710 Devine, TX 78016 Phone: (830) 931-0400

FIRM NO. 5549

Date: 5/21/25

Scale: None

Sheet 1 of 6



Calculations:

Install 2 sprinklers. The sprinklers are low angle type, with nozzle and spray radii as shown on the System Layout. See System Layout for spray pattern.

Proposed total area = 4825 sq. ft.

Overlap and masked area: 0 sq. ft.

Actual covered area = 4825 sq. ft. (Covered area is greater than required area)

A 1" ball valve will be installed just downstream of the pump either inside of or outside of the pump tank compartment. The ball valve shall be used to adjust the spray radius(radii) of the sprinkler(s) to the value(s) shown on the System Layout. (Reference the attached data for pump curves and nozzle data.)

NOTES FOR INSTALLER (if applicable):

Do not connect water softener back-wash to septic system.

The TCEQ allows washing machine water to be discharged without treatment into a separate gray water system, unless the water contains human waste. Running this water out separate from the septic system can prolong the life of the system.

Areas where tanks and drainfields / spray areas are located shall be built-up or drained so that no ponding of water occurs in these areas.

The design application rate is 0.062 gallons / sq. ft. / day

Dosing cycle quantity is 300 gallons, average. Use a commercial irrigation timer.

The number of dosing cycles per day is one (1).

Owner

Mark & Maria Chase

Drawn by: Kaeleigh R. Crandall

Location

See sheet #1

Drawing No. 100-10133

R

MANGOLD Engineering Company

5596 CR 5710 Devine, TX 78016 Phone: (830) 931-0400

FIRM NO. 5549

Date: 5/21/25

Scale: None

Sheet 2 of 6



The design pressure at each sprinkler head is 30 to 40 psig.

The total length of supply pipe is as shown on the System Layout

Means of preventing siphoning is an anti-siphon valve.

Diameter of supply line is as shown on the System Layout.

Flow control valve is required downstream of the pump.

NOTES TO OWNER OF SYSTEM:
MAINTENANCE AND MANAGEMENT PRACTICES (if applicable):

An OSSF should not be treated as if it were a normal city sewer system.

The excessive use of in-sink garbage grinders and grease discarding should be avoided.

Do not use the toilet to dispose of cleaning tissues, cigarette butts, or other trash.

Septic tanks shall be cleaned before sludge accumulates to a point where it approaches the bottom of the outlet device, to prevent solids from exiting the tank with the liquid.

Septic tanks should be cleaned every two-to-three years to prevent excessive sludge buildup.

Do not build driveways, storage buildings, or other structures over the treatment works or its disposal field.

Chemical additives or the so-called enzymes are not necessary for the operation of a septic tank. Some of these additives may be harmful to the tank's operation.

continued next page......

Owner	
-------	--

Mark & Maria Chase

Drawn by: Kaeleigh R. Crandall

Location

See sheet #1

Drawing No. 100-10133



MANGOLD Engineering Company

5596 CR 5710 Devine, TX 78016 Phone: (830) 931-0400

FIRM NO. 5549

Date: 5/21/25

Scale: None

Sheet 3 of 6



Soaps, detergents, bleaches, drain cleaners, and other household cleaning materials will very seldom affect the operation of the system. However, moderation should be exercised in the use of such materials.

It is not advisable to allow water softener back flush to enter into any portion of the OSSF.

Except for Aerobic systems, the liquid from the OSSF is still heavily laden with bacteria. Contact with this liquid should be avoided, if it surfaces.

WATER CONSERVATION MEASURES (if applicable):

Showers usually use less water than baths. Install a water saving shower head that uses less than 2 1/2 gallons per minute and saves both water and energy.

If you take a tub bath, reduce the level of water in the tub from the level to which you customarily fill it.

Leaky faucets and faulty toilet fill-up mechanisms should be repaired as quickly as possible.

Check toilets for leaks that may not be apparent. Add a few drops of food coloring to the tank. Do not flush. If the color appears in the bowl within a few minutes, the toilet fill or ball-cock valve needs to be adjusted to prevent water from overflowing the stand pipe, or the flapper at the bottom of the toilet tank needs to be replaced.

Reduce the amount of water used for flushing the toilet by installing one of the following: a new toilet (1.6 gallon); a toilet tank dam; or filling and capping one-quart plastic bottles with water (usually one is all that will fit in smaller toilet tanks) and lowering them into the tank of the existing 3.5 gallon or larger toilet. Do not use bricks since they may crumble and cause damage to the fixture.

continued next page......

O	W	n	е	r	

Mark & Maria Chase

Drawn by: Kaeleigh R. Crandall

Location

See sheet #1

Drawing No. 100-10133



MANGOLD Engineering Company

5596 CR 5710 Devine, TX 78016

Phone: (830) 931-0400

FIRM NO. 5549

Date: 5/21/25

Scale: None

Sheet 4 of 6



Try to run the dishwasher with a full load, whenever possible.

Avoid running the water continuously for brushing teeth, washing hands, rinsing kitchen utensils, or for cleaning vegetables.

Use faucet aerators that restrict flow to no more than 2.2 gallons per minute to reduce water consumption.

Keep a container of drinking water in the refrigerator instead of running the faucet until the water turns cool.

Insulate all hot water pipes to avoid long delays of wasted water while waiting for the heated water.

Ask your city, county, or local government about their programs to conserve water, and how they can help you save water.

Owner

Mark & Maria Chase

Drawn by:

Kaeleigh R. Crandall

Location

See sheet #1

Drawing No.

100-10133



MANGOLD Engineering Company

5596 CR 5710 Devine, TX 78016 Phone: (830) 931-0400

FIRM NO. 5549

Date:

5/21/25

Scale:

None

Sheet 5 of 6



MANGOLD Engineering Company

5596 CR 5710 Devine, TX 78016 Phone: (830) 931-0400 Firm No. F-5549



By Brenda Ritzen at 2:59 pm, Jun 11, 2025

June 11, 2025

Comal county, TCEQ ID # 620049 195 David Jones Dr. New Braunfels, Texas 78132

Subject: Septic system design for Mark & Maria Chase located 9102 Portofino Place

Comal Co, Texas. Reference Mangold Engineering Company Dwg. 100-10133.

Dear Sirs:

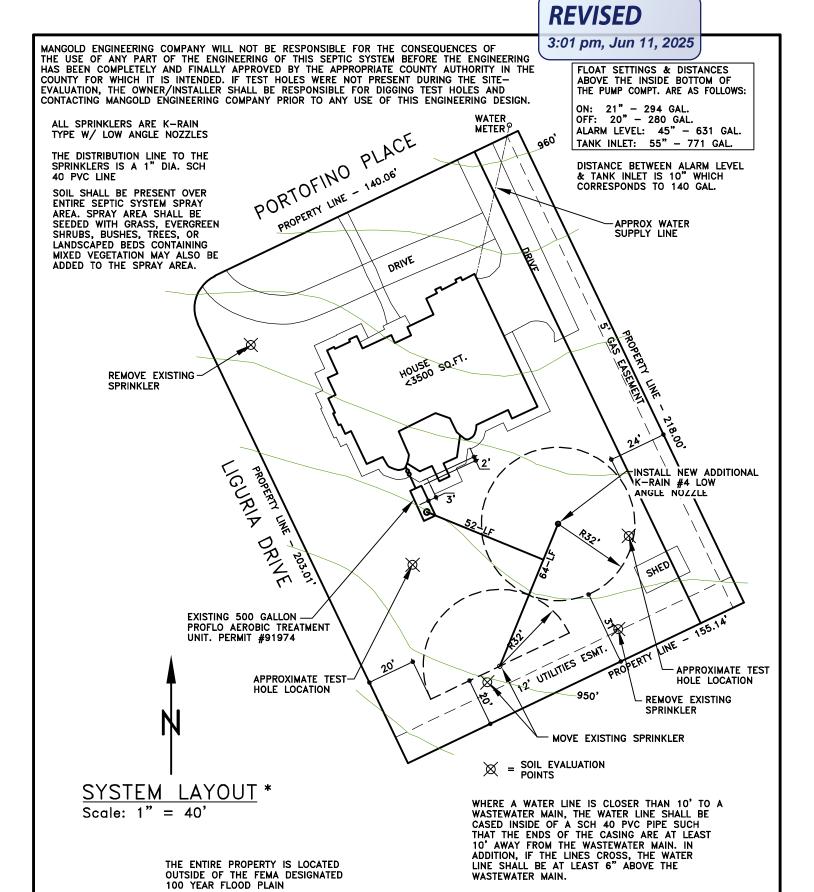
The subject septic drainfield is being modified due to improvements made. The setback requirement from a tight line to a sidewalk cannot be met. Secondly the setback requirement from the aerobic treatment unit to the tank of 5 feet cannot be met as shown on the system layout.

An aerobic system with secondary treatment is proposed as the system with a commercial irrigation timer. I believe that the septic system will operate adequately, and will not become a health hazard, or a public nuisance. I, therefore, respectfully request the following variance.

- 1. It is requested that a variance to be granted which would allow the 4" SCH40 from the house to the aerobic treatment unit remain the same under a sidewalk as shown on the subject engineering design.
 - There is adequate depth between the sewer line and the sidewalk to allow for minimal deflection for the SCH 40 PVC pipe. I believe, the pipe will operate adequately without damaging of the pipe.
- 2. It is requested that a variance to be granted which would allow the aerobic treatment unit from the side walk to remain the same with a separation distance of 2 & 3 feet as shown on the subject engineering design.
 - In my professional opinion there is adequate separation distance between the aerobic treatment unit and the sidewalk to not cause any damage to the aerobic treatment system.

Sincerely,

Kaeleigh R. Crandall P.E.



Septic tank must be a minimum of 50' from any water well. Closest distance from any part of spray area to water well must be 100' minimum, unless well is pressure cemented. Minimum setback of spray area from property lines is 10'. Minimum separation distance between septic tank or spray area and water supply lines is 10'. Setback of spray area from lakes, streams, ponds, and rivers is 50' minimum.

NOTES:

SLOPE OF INFLOW LINE TO TANK IS 1/8 INCH PER FOOT RUN. PIPE IS 4" DIA. SCH 40 PVC.

PRE—TREATMENT TANK IS BUILT ONTO THE AEROBIC TREATMENT UNIT. NO ADDITIONAL TRASH TANK IS REQUIRED IN THIS SYSTEM.

SYSTEM WILL BE INSPECTED BY COUNTY INSPECTOR IN ACCORDANCE WITH CURRENT COUNTY INSPECTION PROCEDURES.

Mark & Maria Chase **Owner**

Drawn by: Kaeleigh R. Crandall

Location 9102 Portofino Place

Drawing No. ____100-10133A

MANGOLD Engineering Company

5596 CR 5710

Devine, TX 78016 Phone: (830) 931-0400

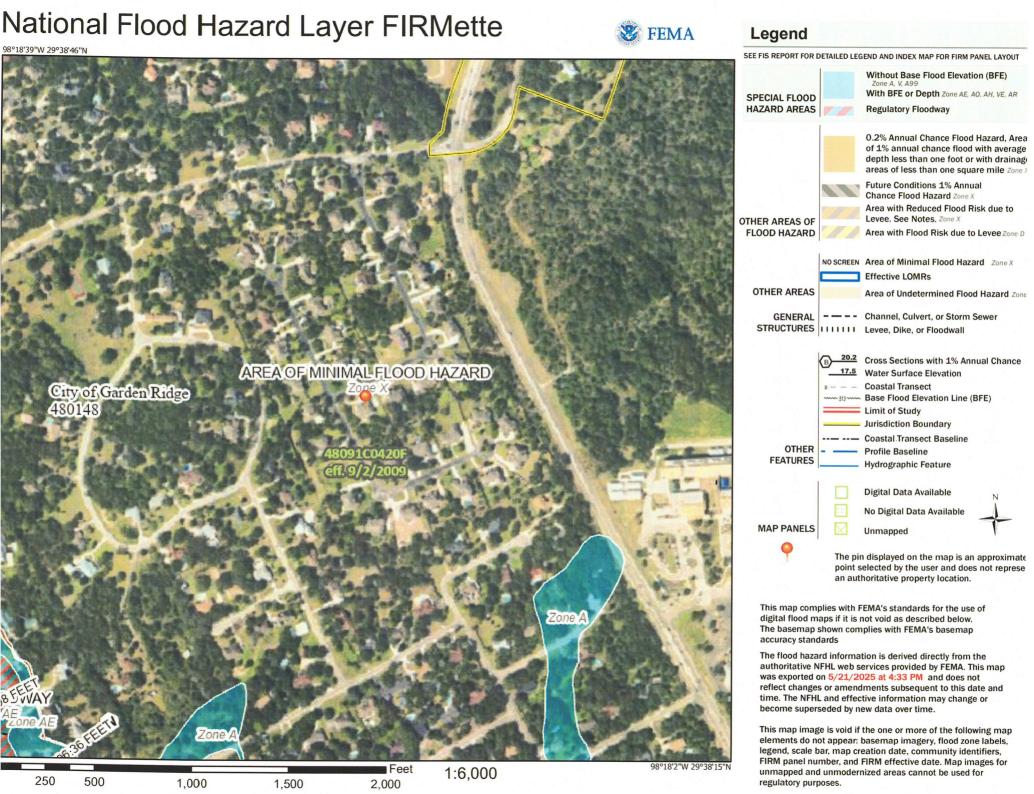
FIRM NO. 5549

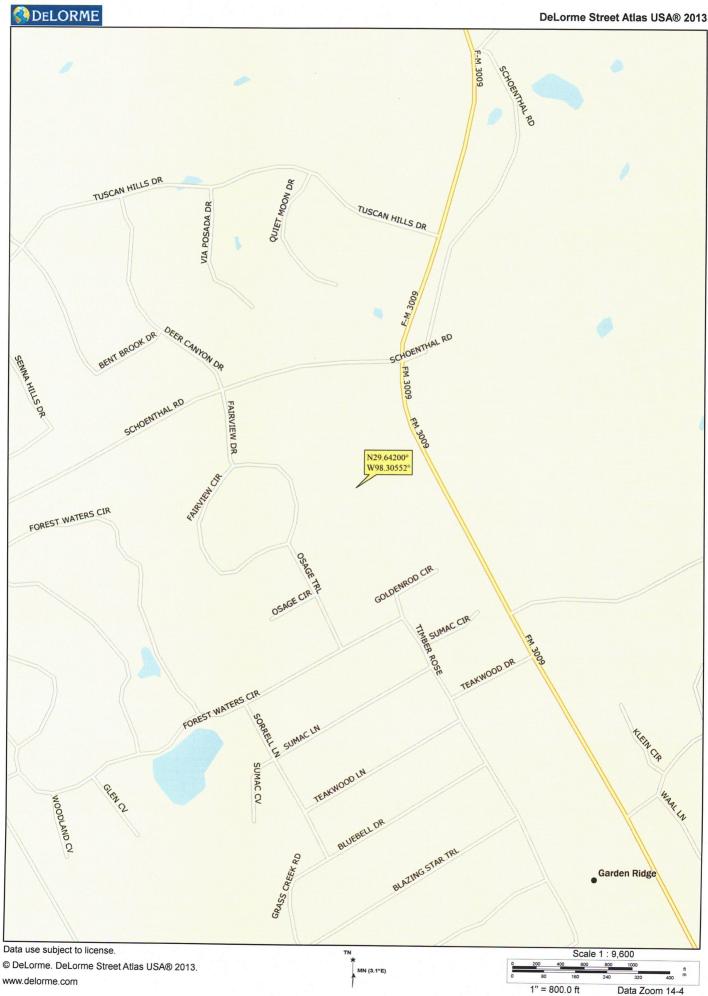
Date: 6/11/25

Scale: __ <u>Noted</u>

Sheet <u>6</u> of <u>6</u>







ProPlus™ Gear Driven Sprinkler Setting Instructions

SPRINKLER INSTALLATION

1 ► INSTALL AND BURY

Do not use pipe dope. Thread the sprinkler on the pipe. Bury the sprinkler flush to grade. **NOTE:** Gear driven sprinklers and pop-up sprays should not be installed on the same watering zone.

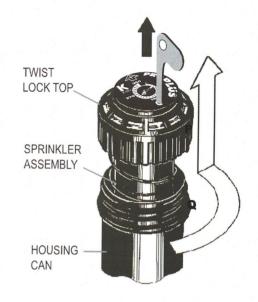
2▶ INSPECTING THE FILTER

Unscrew the top and lift the complete sprinkler assembly out of the housing can. The filter is located on the bottom of the sprinkler assembly and can be easily pulled out, cleaned and re-installed.

3▶ WINTERIZATION TIPS

When using an air compressor to remove water from the system please note the following:

- a. Do not exceed 30 PSI.
- b. Always introduce air into the system gradually to avoid air pressure surges. Sudden release of compressed air into the sprinkler can cause damage.
- c. Each zone should run no longer than 1 minute on air. Sprinklers turn 10 to 12 time faster on air than on water. Over spinning rotors on air can cause damage to the internal components.



PERFORMANCE DATA

NOZZLE	PF	RESSI	JRE	RA	DIUS	FLC	W RAT	E	PRE	CIP in/	hr/m	m/hr
	PS	l kPa	Bars	Ft.	M.	GPN	A L/N	1 M ³ /F		A		•
#0.5	30			28	8.5	0.5	1.9	0.11	0.12	0.14	3	4
	40			29	8.8		2.3	0.14	0.14	0.16	3	4
	50			29	8.8		2.7			0.19	4	5
	60	414	4.1	30	9.1	0.8	3.0	0.18	0.17	0.20	4	5
#0.75	30			29	8.8	0.7	2.7	0.16	0.16	0.19	4	5
	40			30	9.1	0.8	3.0	0.18	0.17		4	5
	50	100		31	9.4	0.9	3.4	0.20	0.18	0.21	5	5
	60	413	4.1	32	9.8	1.0	3.8	0.23	0.19	0.22	5	6
#1.0	30	207		32	9.8	1.3	4.9	0.30	0.24	0.28	6	7
	40			33	10.1	1.5	5.7	0.34	0.27	0.31	7	8
	50			34	10.4	1.6	6.1	0.36	0.27	0.31	7	8
	60	413	4.1	35	10.7	1.8	6.8	0.41	0.28	0.33	7	8
#2.0	30	207	2.1	37	11.3	2.4	9.1	0.55	0.34	0.39	9	10
	40	275	2.8	40	12.2	2.5	9.5	0.57	0.30	Maria Taranta	8	9
	50	344		42	12.8	3.0	11.4	0.68	0.33		8	10
	60	413	4.1	43	13.1	3.3	11.4	0.68	0.34	0.36	8	9
2.5	30	207	2.1	38	11.6	2.5	9.5	0.57	0.33	0.38	8	10
Pre-	40	275	2.8	39	11.9	2.8	10.6	0.64	0.35	0.41	9	10
installed	50	344	3.4	40	12.2	3.2	12.1	0.73	0.39	0.44	10	11
***************************************	60	413	4.1	41	12.5	3.5	13.3	0.80	0.40	0.46	10	12
#3.0	30	207	2.1	38	11.6	3.6	13.6	0.82	0.48	0.55	12	14
	40	275	2.8	39	11.9	4.2	15.9	0.96	0.53	0.61	14	16
	50	344	3.4	41	12.5	4.6	17.4	1.05	0.53	0.61	13	15
	60	413	4.1	42	12.8	5.0	19.0	1.14	0.55	0.63	14	16
#4.0	30	207	2.1	43	13.1	4.4	16.7	1.00	0.46	0.53	12	13
	40	275	2.8	44	13.4	5.1	19.3	1.16	0.51	0.59	13	15
	50	344	3.4	46	14.0	5.6	21.2	1.27	0.51	0.59	13	15
***************************************	60	413	4.1	49	14.9	5.9	22.4	1.34	0.47	0.55	12	14
#6.0	40	276	2.8	45	13.7	5.9	22.4	1.34	0.56	0.65	14	16
	50	344	3.4	46	14.0	6.0	22.7	1.36	0.55	0.63	14	16
	60	413	4.1	48	14.6	6.3	23.9	1.43	0.53	0.61	13	15
	70	482	4.8	49	14.9	6.7	25.4	1.52	0.54	0.62	14	16
48.0	40	276	2.8	42	12.8	8.0	30.3	1.82	0.87	1.01	22	26
	50	344	3.4	45	13.7	8.5	32.2	1.93	0.81	0.93	21	24
	60	413	4.1	49	14.9	9.5	36.0	2.16	0.76	0.88	19	22
	70	482	4.8	50	15.2	10.0	37.9	2.27	0.77	0.89	20	23

LOW ANGLE PERFORMANCE DATA

NOZZLE	PR	ESSU	RE	RA	DIUS	FLOV	V RATE		PREC	CIP in/h	ır / mr	n/hr
	PSI	kPa	Bars	Ft.	M.	GPM	L/M	M ³ /H		•		A
#1.0	30	207	2.1	22	6.7	1.2	4.5	.27	0.48	0.55	12	14
	40	276	2.8	24	7.3	1.7	6.4	.39	0.57	0.66	14	17
	50	345	3.4	26	7.9	1.8	6.8	.41	0.51	0.59	13	15
	60	414	4.1	28	8.5	2.0	7.6	.45	0.49	0.57	12	14
#3.0	30	207	2.1	29	8.8	3.0	11.4	.68	0.69	0.79	17	20
	40	276	2.8	32	9.8	3.1	11.7	.70	0.58	0.67	15	17
	50	345	3.4	35	10.7	3.5	13.2	.80	0.55	0.64	14	16
	60	414	4.1	37	11.3	3.8	14.4	.86	0.53	0.62	14	16
#4.0	30	207	2.1	31	9.4	3.4	12.9	.77	0.68	0.79	17	20
	40	276	2.8	34	10.4	3.9	14.8	.89	0.65	0.75	17	19
	50	345	3.4	37	11.3	4.4	16.7	1.00	0.62	0.71	16	18
	60	414	4.1	38	11.6	4.7	17.8	1.07	0.63	0.72	16	18
#6.0	40	275	2.8	38	11.6	6.5	24.6	1.48	0.87	1.00	22	25
	50	344	3.4	40	12.2	7.3	27.7	1.66	0.88	1.01	22	26
	60	413	4.1	42	12.8	8.0	30.3	1.82	0.87	1.01	22	26
	70	482	4.8	44	13.4	8.6	32.6	1.96	0.86	0.99	22	25

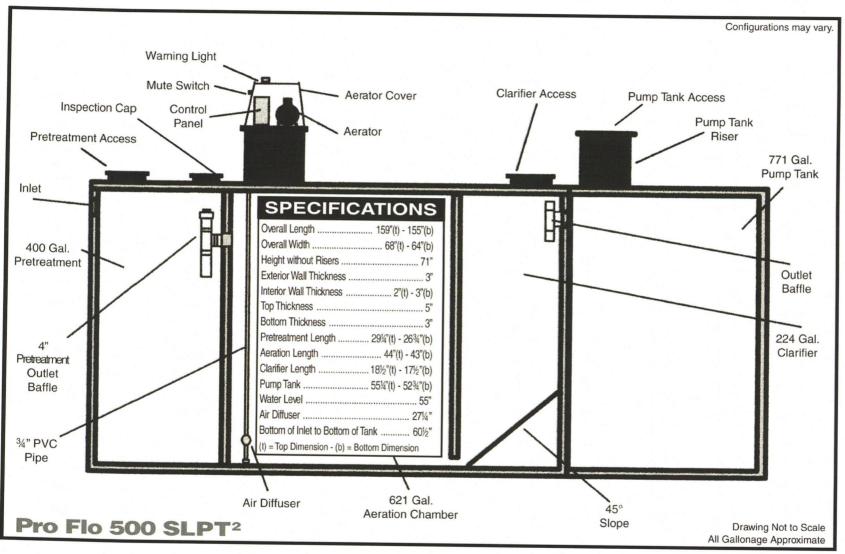
*All precipitation rates calculated for 180° operation. For the precipitation rate for a 360° sprinkler, divide by 2.



K-RAIN MANUFACTURING CORP. 1640 Australian Avenue Riviera Beach, FL 33404 USA PH: 561.844.1002 / 1.800.735.7246

FAX: 561.842.9493 www.krain.com

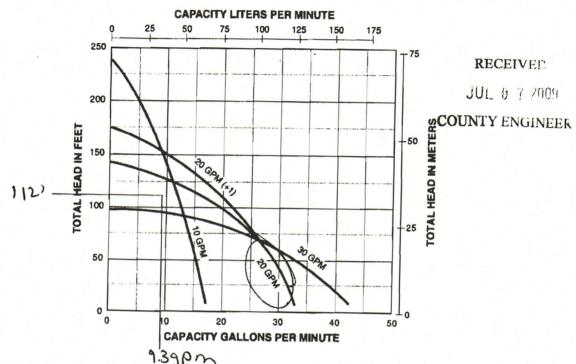
© K-RAIN Manufacturing Corp. Part Number: 1100519 Rev. 01





4" multi-stage submersible pump

PUMP PERFORMANCE



Pump	ORMANCE (C						PSI			-			
Model	(GPM)	0	10	20	30	40	50	60	70	80	90	100	110
10DOM05221	10			15.0	13.7	12.7	11.5	10.2	8.4	6.5	4.3	1.0	110
10DOM05121	10			15.0	13.7	12.7	11.5	10.2	8.4	6.5	4.3	1.0	_
20DOM05221	20			30.0	26.0	21.5	14.2	4.4	0.1	0.5	7.3	1.0	_
20D0M05121	20			30.0	26.0	21.5	14.2	4.4					-
30DOM05221	30		38.5	33.3	25.8	16	. 114	7,,,					-
30DOM05121	30		38.5	33.3	25.8	16							
20DOM05221+1	20 + 1			30	27.5	24	20	13.5	6				_
20DOM05121+1	20 + 1			30	27.5	24	20	13.5	6				-

Pump	Flow Rate						lar						
Model	(LPM)	0	,69	1.38	2.07	2.76	3,45	4.13	4.82	5,51	6.20	6.89	7.58
10DOM05221	37.85		56.8	51.9	48.1	43.5	38.6	31.8	24.6	16.3	3.8	V.03	7.30
10DOM05121	37.85		56.8	51.9	48.1	43.5	38.6	31.8	24.6	16.3	3.8		
20DOM05221	75.7		113.6	98.4	81.4	53.7	16.7	31.0	24.0	10.5	3.0		
20DOM05121	75.7		113.6	98.4	81.4	53.7	16.7						_
30DOM05221	113.55	145.7	126.0	97.7	60.6	30.7	70.7						_
30DOM05121	113.55	145.7	126.0	97.7	60.6								
20DOM05221+1	75.7 + 1			113.4	103.9	90.7	75.6	51.0	22.6				
20DOM05121+1	75.7 + 1			113.4	103.9	90.7	75.6	51.0	22.6				

ProPlus™ Gear Driven Sprinkler Setting Instructions

NOTE: The *ProPlus* is factory preset with a 90° arc setting, and includes a pre-installed #2.5 nozzle.

CHANGING A NOZZLE

1 ► REMOVING THE NOZZLE RETENTION SCREW

Use your K-Key or a small flat blade screwdriver to remove the nozzle retention screw by turning counter-clockwise to remove and clockwise to re-install.

2▶ PULL UP THE RISER

Insert the k-Key in the keyhole on the top of the nozzle turret and turn the key 1/4 turn to insure that the key does not slip out of the keyhole when you pull it up. Firmly pull up the entire spring-loaded riser to access the nozzle socket. Hold the riser assembly with one hand.

3▶ REMOVING THE NOZZLE

With the nozzle retention screw removed, insert the K-Key into the slot directly under the nozzle "prongs" at the top of the mozzle. Now, turn the key 1/4 turn to "hook" the nozzle and pull the nozzle out.

4▶ INSTALLING A NOZZLE

Press the desired nozzle into the nozzle socket. Make sure the nozzle number is visible and the nozzle "prongs" are up. Then, re-install the nozzle retention screw. **NOTE:** The nozzle retention screw is also a break-up screw and used to adjust the distance of the spray.

SETTING THE ARC ADJUSTMENT

1 ► FINDING THE LEFT START POSITION

Place your finger on the top center of the nozzle turret. Rotate the turret to the right until it stops and then back to the left until it stops. Notice the position of the nozzle arrow. This is the "Left Start" position. The sprinkler will begin spraying from this position and rotate clockwise until it reaches the right Adjustable Stop-Return Point.

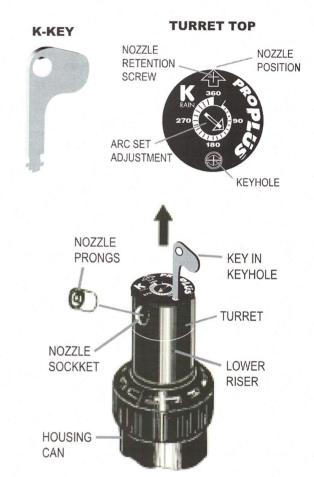
2▶ ORIENTING THE LEFT START POSITION

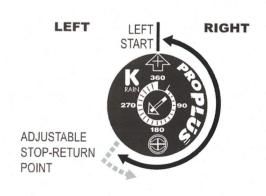
Insert the K-Key in the keyhole on the top of the nozzle turret and turn the key ½ turn to insure that the key does not slip out of the keyhole when you pull it up. Being careful not to allow the nozzle turret to turn, firmly pull up the entire spring-loaded riser. Hold the lower riser assembly up with one hand. Now turn only the lower riser clockwise or counter-clockwise until the nozzle arrow is pointing where you want the sprinkler to begin spraying.

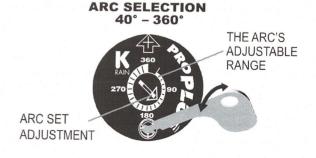
3▶ CHANGING THE ARC

Insert the K-Key or a small flat blade screwdriver into the Arc Set Adjustment slot. Turn clockwise to increase the arc or counter-clockwise to decrease the arc.

WHEN SET AT 360°, THE *PROPLUS* WILL ROTATE CONTINUOUSLY IN A CLOCKWISE DIRECTION.







Comal AD Property Search

■ Property Details

Account		
Property ID:	146543	Geographic ID: 160280003700
Туре:	R	Zoning: R
Property Use:		
Location		
Situs Address:	9102 PORTOFINO PLACE	SAN ANTONIO, TX 78266
Map ID:	7G	Mapsco:
Legal Description:	ENCLAVE OF GARDEN RIE	DGE (THE) 2, BLOCK 1, LOT 37
Abstract/Subdivision:	160280-2	
Neighborhood:	(486E501) ENCLAVE OF G	ARDEN RIDGE
Owner		
Owner ID:	903125	
Name:	CHASE MARK & MARIA	
Agent:		
Mailing Address:	22016 LAS CIMAS DRIVE GARDEN RIDGE TX 78266	2007

GARDEN RIDGE, TX 78266-2007

% Ownership:

100.0%

Exemptions:

DV4 -

For privacy reasons not all exemptions are shown online.

■ Property Values

Improvement Homesite Value:	\$0 (+)
Improvement Non-Homesite Value:	\$469,570 (+)
Land Homesite Value:	\$0 (+)
Land Non-Homesite Value:	\$137,960 (+)
Agricultural Market Valuation:	\$0 (+)
Market Value:	\$607,530 (=)
Agricultural Value Loss:❷	\$0 (-)

\$0 (-)

\$0 (-)
\$607,530

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.

■ Property Taxing Jurisdiction

Owner: CHASE MARK & MARIA %Ownership: 100.0%

Entity	Description	Market Value	Taxable Value	Estimated Tax
046	COMAL COUNTY	\$607,530	\$595,530	\$1,350.16
046LR	COMAL COUNTY LATERAL ROAD	\$607,530	\$595,530	\$223.41
CGR	CITY OF GARDEN RIDGE	\$607,530	\$595,530	\$1,519.53
ES6	(ESD6) COMAL COUNTY EMERGENCY SERVICES DISTRICT NO. 6	\$607,530	\$595,530	\$513.04
SCIS	COMAL ISD	\$607,530	\$595,530	\$6,472.82

CCEO COPY



Comal County

OFFICE OF COMAL COUNTY ENGINEER

License to Operate

On-site Sewage Treatment and Disposal Facility

Date Issued: 3/18/2010 Permit Number: 91974

Location Description: 9102 Portofino Place, Garden Ridge, TX 78266

Lot 37, Block 1, The Enclave of Garden Ridge U2 Subdivision

Type of System: Aerobic Treatment with Surface Irrigation Discharge

License issued to: Whitestone Cust om Homes, Ltd.

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 Natural Resource Conservation Commission.

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.

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

This license to operate is valid for an indefinite period. The holder may transfer it to a succeeding owner, provided the facility has not been remodeled and is functioning properly.

Licensing Authority

Comal County Environmental Health

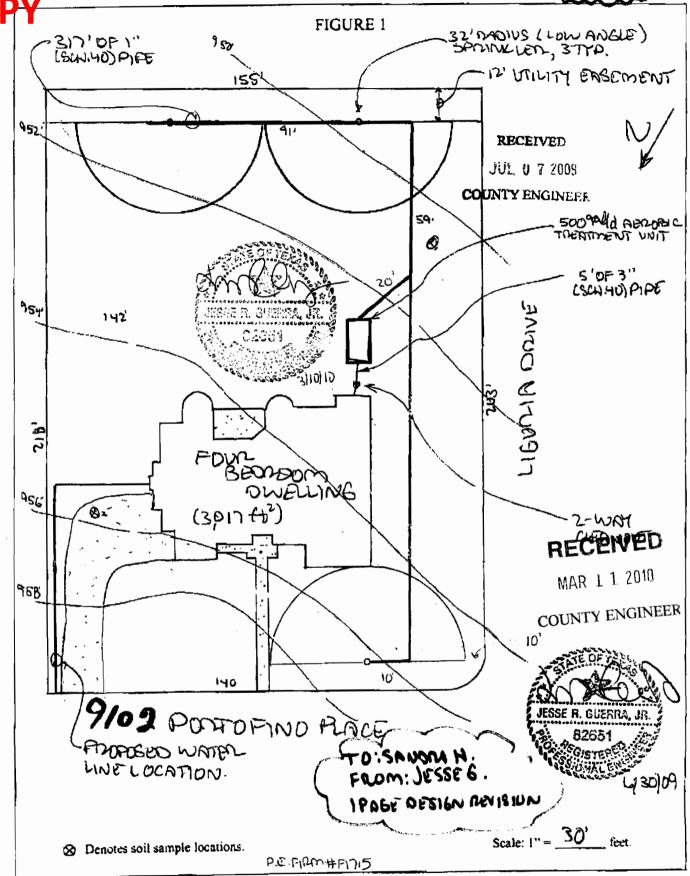
OS0023773

ENVIRONMENTAL HEAPTH INSPECTOR

ENVIRONMENTAL HEALTH COORDINATOR

REVISED

91974



From: Ritzen, Brenda

To: "marchase1981@yahoo.com"

Subject: Permit 118675

Date: Thursday, June 5, 2025 2:22:00 PM

Attachments: <u>image001.png</u>

Re: Mark Chase & Maria E. Chase

The Enclave of Garden Ridge Unit 2 Lot 37 Block 1
Application for Permit for Authorization to Construct an On-Site Sewage Facility (OSSF)

Owner / Agent :

The following information is needed before final installation inspection:

- Request for variance to the 20 ft. setback from the property lines to the spray areas does not provide necessary equivalent protection. Similar variances have been approved with the addition of a battery back up to the timer to ensure the system will only spray between the hours of midnight to 5 a.m.
- Show the location of the existing supply line with clean out and identify the separation distances from the house to the ATU and between system components.
- Show test hole locations on the design.
- 4. 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



May 22, 2024

Comal county, TCEQ ID # 620049 195 David Jones Dr. New Braunfels, Texas 78132

Subject:

Septic system design for Mark & Maria Chase located 9102 Portofino Place Comal Co, Texas. Reference Mangold Engineering Company Dwg. 100-10133.

Dear Sirs:

The subject septic drainfield is being modified due to improvements made. The Comal County requirement of a 20' setback from a property line to an aerobic system spray field cannot be met to the existing edge of sprary. The TCEQ requirement of 10' setback from a property line to an aerobic system spray field can be met as shown on the System Layout.

An aerobic system with secondary treatment is proposed as the system with a commercial irrigation timer. I believe that the septic system will operate adequately, and will not become a health hazard, or a public nuisance. I, therefore, respectfully request the following

variance.

1. It is requested that a variance to be to be located 12' & 16' from the pr



buld allow the septic system spray field wn on the subject engineering design.

Sincerely,

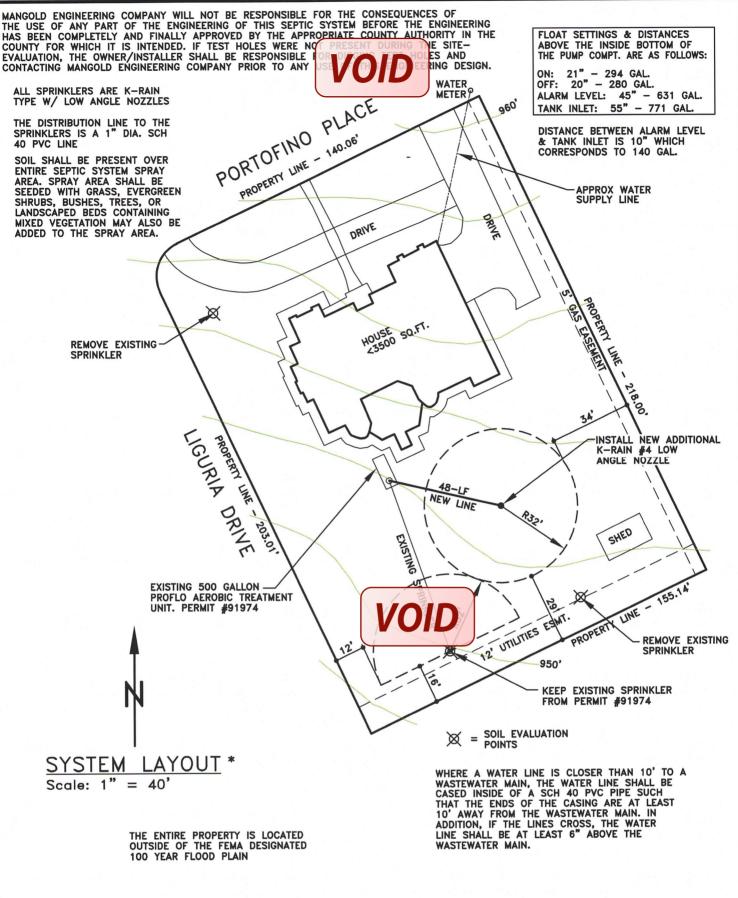
Kaeleigh R. Crandall P.E.

KAELEIGH ROSE CRANDALL

134570

CENSE

SIZZI 2007/00/11 ENGINE



* Septic tank must be a minimum of 50' from any water well.
Closest distance from any part of spray area to water well must be 100' minimum, unless well is pressure cemented.
Minimum setback of spray area from property lines is 10'.
Minimum separation distance between septic tank or spray area and water supply lines is 10'.

Setback of spray area from lakes, streams, ponds, and rivers is 50' minimum.

NOTES

SLOPE OF INFLOW LINE TO TANK IS 1/8 INCH PER FOOT RUN. PIPE IS 4 $^{*\circ}$ DIA. SCH 40 PVC.

PRE—TREATMENT TANK IS BUILT ONTO THE AEROBIC TREATMENT UNIT. NO ADDITIONAL TRASH TANK IS REQUIRED IN THIS SYSTEM.

SYSTEM WILL BE INSPECTED BY COUNTY INSPECTOR IN ACCORDANCE WITH CURRENT COUNTY INSPECTION PROCEDURES.

Owner Mark & Maria Chase

Drawn by: Kaeleigh R. Crandall

Location 9102 Portofino Place

Drawing No. ____100-10133

R

MANGOLD Engineering Company 5596 CR 5710

Devine, TX 78016 Phone: (830) 931-0400

FIRM NO. 5549

Date: 5/21/25

Scale: Noted

Sheet 6 of 6



STG-57856-MTM

201006009437 03/26/2010 09:44:44 AM 1/

GENERAL WARRANTY DEED WITH VENDOR'S LIEN IN FAVOR OF THIRD PARTY

NOTICE OF CONFIDENTIALITY: IF YOU ARE A NATURAL PERSON, YOU MAY REMOVE OR STRIKE ANY OR ALL OF THE FOLLOWING INFORMATION FROM ANY INSTRUMENT THAT TRANSPERS 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.

THE STATE OF TEXAS

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KNOW ALL MEN BY THESE PRESENTS:

COUNTY OF COMAL

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THAT WHITESTONE CUSTOM HOMES, LTD.

(hereinafter called "GRANTORS" whether one or more), for and in consideration of the sum of TEN DOLLARS (\$10.00) and other good and valuable considerations cash in hand paid by MARK CHASE and MARIA CHASE, HUSBAND AND WIFE

whose address is 94-020 HOKUPALEMO PL., MILILANI, HI 96789

(hereinafter called "GRANTEES" whether one or more), the receipt and sufficiency of which are hereby acknowledged and confessed, and the further consideration of the advancement and payment in cash of all or part of the purchase price hereof by Beneficiary at the special instance and request of Grantee under that certain note in the principal sum of Three Hundred

Thirty Two Thousand Fifty And No/100ths payable to the order of SWBC MORTGAGE CORPORATION

(\$ 332,050.00)

(hereinafter referred to as "BENEFICIARY") of even date herewith, said note bearing interest at the rate therein provided, principal and interest being due and payable in monthly installments as therein set out, and providing for attorney's fees and acceleration of maturity at the rate and in the events therein set forth, which note is secured by the Vendor's Lien herein reserved and is additionally secured by a Deed of Trust of even date herewith, executed by the Grantees herein to EDWARD KERSHNER.

Trustee, reference to which is here made for all purposes; and in consideration of the payment of the sum above mentioned by the Beneficiary above mentioned, Grantors hereby transfer, set over, assign and convey unto said Beneficiary and assigns, the Vendor's Lien and Superior Title herein retained and reserved against the property and premises herein conveyed, in the same manner and to the same extent as if said note had been executed in Grantors' favor and by said Grantors assigned to the Beneficiary without recourse; have GRANTED, SOLD and CONVEYED, and by these presents do GRANT, SELL and CONVEY unto the said Grantees herein, the following described property, together with all improvements thereon, to-wit:

LOT 37, BLOCK 1, THE ENCLAVE OF GARDEN RIDGE, UNIT-2, SITUATED IN THE CITY OF GARDEN RIDGE, COMAL COUNTY, TEXAS, ACCORDING TO PLAT THEREOF RECORDED UNDER DOCUMENT NO. 200706002877 AND AMENDED UNDER DOCUMENT NO. 200706017754. PLAT RECORDS OF COMAL COUNTY, TEXAS.

TO HAVE AND TO HOLD the above described premises, together with, all and singular, the rights and appurtenances thereto in any wise belonging, unto the said Grantees, their heirs and assigns forever. And Grantors do hereby bind themselves, their heirs, executors and administrators, to warrant and forever defend all and singular, the said premises unto the said Grantees, their heirs and assigns, against every person whomsoever lawfully claiming or to claim the same or any part thereof. Taxes for the

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current year have been prorated and are assumed by Grantee. This conveyance is made and accepted subject to any and all validly existing restrictions, mineral reservations and interests, conditions, covenants, easements, and rights of way, if any, applicable to and enforceable against the above described property as now reflected by the records of the County Clerk in said County and State and to

any applicable zoning laws or ordinances.

But it is expressly agreed and stipulated that the Vendor's Lien and the Superior Title are retained and reserved in favor of the payee in said note against the above described property, premises and improvements, until said note, and all interest thereon is fully paid according to the face and tenor, effect and reading thereof, when this deed shall become absolute.

When this deed is executed by one person, or when the Grantee is one person, the instrument shall read as though pertinent verbs and pronouns were changed to correspond, and when executed by or to a corporation the words "heirs, executors and administrators" or "heirs and assigns" shall be construed to mean "Successors and assigns".

Dated this the 12th day of March, 2010	
DEBRA # MAZO Notary Product Spires February 144 WHITTESTIME CUSTOM ROMES, LITD. By: Tim Rice Manager Manager	
DEBRA A. ALONZO Notary Public, State of Texas My Commission Expires February 25, 2014 THE STATE OF TEXAS	
COUNTY OF Bexar	
This instrument was acknowledged before me on Warch 12th, 2010 by Tim Rice, Manager, Whitestone Custom Homes, Ltd.	_
Notary Public, State of Texas Filed and Recorded	_
Official Public Records Joy Streater, County Clerk Comal County, Texas	
COUNTY OF	
This instrument was acknowledged t	_
on behalf of said corporation.	
RETURN TO: MARK CHASE 94-020 HOKUPALEMO PL. MILILANI, HI 96789	

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OSSF DEVELOPMENT APPLICATION CHECKLIST

Staff will complete shaded items

11867

	Date Received	Initials	Permit Number
Instructions:			
Place a check mark next to all items that apply. For Checklist <u>must</u> accompany the completed applications		ce "N/A". This (OSSF Development Application
OSSF Permit			
Completed Application for Permit for Authori	ization to Construct an On-Sit	e Sewage Facil	ity and License to Operate
Site/Soil Evaluation Completed by a Certified	d Site Evaluator or a Professi	onal Engineer	
Planning Materials of the OSSF as Required of a scaled design and all system specification	d by the TCEQ Rules for OSS ons.	F Chapter 285.	Planning Materials shall consist
Required Permit Fee - See Attached Fee Sc	chedule		
Copy of Recorded Deed			
Surface Application/Aerobic Treatment Syste	em		
Recorded Certification of OSSF Requi	iring Maintenance/Affidavit to	the Public	
Signed Maintenance Contract with Effe	fective Date as Issuance of Lie	cense to Operat	е
I affirm that I have provided all information reconstitutes a completed OSSF Development A		oment Applicat	ion and that this application
MANA Mara Ca Signature of Applicant	Ena Chae	05/25/	2625 Date
COMPLETE APPLICATION Check No Receipt No	(M		ETE APPLICATION cled, Application Refeused)
			Revised: Sentember 2019