



Comal County

OFFICE OF COMAL COUNTY ENGINEER

License to Operate On-site Sewage Treatment and Disposal Facility

Date Issued: 1/17/2008

Permit Number: 90448

Location Description: 614 Cambridge, New Braunfels, TX 78132
Lot 1581, River Chase Unit 9 Subdivision
Type of System: Aerobic Treatment with Surface Irrigation Discharge
License issued to: Stephan/Isabel Mathies

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.

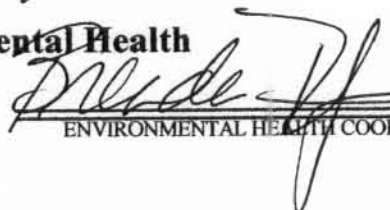
Inspection and licensing of a facility indicates only that the facility meets certain minimum requirements. It does not impede any governmental entity in taking the proper steps to prevent or control pollution, to abate nuisance, or to protect the public health.

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


OS8497
ENVIRONMENTAL HEALTH INSPECTOR


OS7722
ENVIRONMENTAL HEALTH COORDINATOR

System Profile

Printed: Thursday, January 17, 2008

System is installed at:

614 Cambridge
New Braunfels, TX 78132
Comal County

Permit Number: 90448
System Name: Primary
Brand Name:
Model:
Serial Number:

Lot: 1581 Subdiv: River Chase Unit 9

Owner Information:

Stephan/Isabel Mathies
614 Cambridge
New Braunfels, TX 78132
Home Phone: (512)894-0207

The original contract for installation was written on .

System is Under Warranty

This system was installed by: .

The installation date was 1/17/2008.

This system is to be inspected every 4 months.

The most recent inspection for this system occurred on .

The next scheduled inspection for this system is due on 5/17/2008.

Permitting Agency:

Comal County Environmental Health
195 David Jonas Drive
New Braunfels, TX 78132-3760
Contact: Sandra Hernandez, Assistant Env. Health Coord.
Phone: (830) 608-2094
Fax: (830) 608-2078

Installation Company Info:

Ronnie Lawrence

Phone: (512) 844-9311

Maintenance Company Info:

Ronnie Lawrence
9805 Buckskin Trail
Austin, TX 78737

Phone: (830) 844-9311

Most Recent Visits and Results

Date Comp.	Visit Type	Description of Repairs
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Property Notes:

S1 - 1/11/08 < S2 - 1/16/08 , S3 - final - 1/17/08

System Notes:

H20 - 500
4 @ 6035 sf.

Model Installed: H-Two-O

Contract Term: The effective date of this maintenance contract shall be the date the License to Operate is issued.

Initial Policy

A two-year initial services policy shall be furnished to the user by the manufacture or the distributor through the dealer. This policy is included in the original purchase price and shall provide the following:

*****THIS IS NOT A PRODUCT WARRANTY*****

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1. An inspection/service call **once every 4 months**, which includes inspections, adjustments, and servicing of the mechanical and electrical component parts as necessary to ensure proper function.
2. An effluent quality inspection every 4 months consisting of a visual check for color, turbidity, scum overflow and examination of color.
3. Homeowner information has to be returned complete to LEI. If homeowner fails to provide complete homeowner information, homeowner is aware that LEI cannot honor the homeowner notification of inspection and no inspection results will be sent to them.
4. **User is responsible for keeping chlorine in the chlorinator.** If chlorine tests reveal no chlorine, a grab test is required. User is responsible for the cost.
5. If any improper operation is observed which cannot be corrected at that time, the user shall be notified immediately in writing of the conditions and the estimated date of correction.
6. Drip emitter systems, if present, will be serviced by service provider.
7. Additional fees will be charged if scheduled appointments are required for maintenance visits.
8. If pets are present in yard, an appointment will have to be made for maintenance visits and additional fees will be charged for visits.
9. If locks or gates prohibit ready access to property, a gate code or lock code must be made available to LEI. NO key locks will be used. If a key lock is used, a combination lock must also be used in order to provide ready access.
10. If new homeowner does not agree to terms and conditions of this contract, contract is null and void and no refund will be issued for maintenance contract portion of contract price.
11. Should a service be provided for customer to the on-site wastewater system and customer refuses or fails to pay for this service and/or services, maintenance contract will be void.
12. Homeowner will make readily available to maintenance provider access to all green risers lids at all times. These will not be covered at any time. If covered, LEI will uncover at \$25/each 15 minute interval it takes to uncover lids and customer agrees to pay as a service charge. Should lids be covered permanently, maintenance contract is void unless homeowner comes to agreement with LEI on access.
13. Should installation of on-site wastewater system not be paid in full this contract is null and void.

Violations of Warranty: include shutting off the electric current to the system for more than 24 hours, disconnecting the alarm system, restricting ventilation to the aerator, overloading the system above for rated capacity, or introducing excessive amounts of harmful matter into the system, flooding by external factors, insect damage or any other form of unusual abuse.

This policy does not include pumping sludge from unit if necessary!

An annual renewable service policy affording the same coverage as the initial Services Policy is available. Consult your dealer for pricing.

Texas Natural Resources Conservation Commission Rules require a service policy to be in effect at all times or the on site sewerage facility permit is **VOID**.

This agreement gives maintenance company unlimited ingress and egress access to property in order to maintain septic system.

WHAT MAINTENANCE CONTRACT DOES NOT INCLUDE:

1. Maintenance provider will not provide chlorine liquid or tablets. **THIS IS A HOMEOWNER RESPONSIBILITY.**
2. Making risers/lids readily available for testing needed for state reporting.
3. Upkeep of perimeter surrounding compressors, risers/lids, control panels, sprayheads, etc. Weeds and insects need to be removed and kept from around these areas.
4. After system is determined finalized by permitting authority, system is deemed complete and functional. Any further repairs to leaking/broken sprayheads, broken air lines, etc will be the sole financial responsibility of the homeowner.

User: Name: Stephen + Isabel Mathies
Address: 614 Cambridge Drive
City/State: New Braunfels, TX 78132
Phone Number: _____ Email Address: _____
Mailing Address: n/a

Distributor: **Lawrence Excavation Inc. -Texas Installer OS21083**
1420 Shelton Ranch Rd.
Dripping Springs, Texas 78620
(512) 894-0207 Fax (512) 894-0315
(512) 844-9311

I agree to abide by the service policy as stated above:

Owner: Stephen + Isabel Mathies Witness: [Signature]
Provider: [Signature]
RONNIE LAWRENCE

****RESPONSE TO CUSTOMER CALLS IS 48 HOURS**

OSSF PERMIT INFORMATION SHEET

Date of Permit Application	Permit Number	Date of Permit Approval	Date of Flood Plain Approval
12.3.07	90448	1/3/07	12/07/07

LOCATION River Chase u. 9 h. 1581

SYSTEM TYPE/DESCRIPTION: _____

INFORMATION FROM PRELIMINARY INSPECTION

DATE OF PRELIMINARY INSPECTION: _____

DESIGN MEETS TNRCC REQUIREMENTS: ✓

AFFIDAVIT RECEIVED: _____

LIST DEFICIENCIES IN PLANNING MATERIALS WHICH DO NOT MEET TNRCC RULES:

INSTALLATION INSPECTION INFORMATION:

INSPECTED BY: MT

DATE OF S-1: 1/11/08 NOTES/RESULTS: Tank set, Level
Leaking need to patch. operational ✓

DATE OF S-2: 1/16/08 NOTES/RESULTS: Tank patched &
operational ✓ Ready For Cover.

DATE OF S-3: 1/17/08 NOTES/RESULTS: Covered.
DATE OF FINAL INSPECTION: _____ (SYSTEM COMPLETE)

INSTALLER: R. Lawrence TANK: (SIZE & NAME) H20-500

4 @ 6035 SQ. FT. ABSORPTION/APPLICATION AREA

SERVICE AGREEMENT RECEIVED: _____ (START DATE)

DATE ENTERED IN SUMMARY SHEET: _____

DATE ENTERED IN (CASST) AEROBIC DATABASE: _____

OSSF/FLOODPLAIN DEVELOPMENT APPLICATION CHECKLIST

Staff will complete shaded items

--	--	--	--	--

Date Received _____

Initials

90448

Permit Number

Instructions:

Place a check mark next to all items that apply. For items that do not apply, place "N/A". This OSSF/Floodplain Development Application Checklist must accompany completed application.

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OSSF Permit

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- _____ 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
- _____ 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

Floodplain Development Permit

- _____ Property in Incorporated City
- _____ Completed Application
- _____ Boundary Map Indicating Location of Proposed Improvements
- _____ Copy of Recorded Deed
- _____ Required Permit Fee

I affirm that I have provided all information required for my OSSF/Floodplain Development Application and that this application constitutes a completed OSSF/Floodplain Development Application.

Application. L. Maheshwari
Signature of Applicant

Date _____

____ COMPLETE APPLICATION

Check No. _____ Receipt No. _____

INCOMPLETE APPLICATION
(Missing Items Circled, Application Refused)



Comal County

OFFICE OF COMAL COUNTY ENGINEER

**PERMIT OF AUTHORIZATION TO CONSTRUCT
AN ON-SITE SEWAGE FACILITY
PERMIT VALID FOR ONE YEAR FROM DATE ISSUED**

Permit Number: 90448

Issued this date: January 3, 2008

This Permit is hereby given to: Stephan/Isabel Mathies

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

614 Cambridge, New Braunfels, TX 78132
Lot 1581, River Chase Unit 9 Subdivision

APPROVED MINIMUM SIZES AS PER ATTACHED DESIGN

Type of System: Aerobic Treatment with Surface Irrigation Discharge

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 Natural Resource Conservation Commission (TNRCC). Installation and inspection must comply with current TNRCC and Comal County requirements.

Call (830) 608-2094 to schedule inspections.

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

DATE: 11/26/07 PERMIT#: 90448
OWNER NAME: Stephan E + Isabel Mathies AGENT NAME: David McChes
MAILING ADDRESS: C/O PO Box 1028 MAILING ADDRESS: 6208 Tanglewood Tr
CITY, STATE, ZIP: Dripping Springs TX 78620 CITY, STATE, ZIP: Spring Branch, TX 78070
PHONE #: 512-894-0207 PHONE #: 210-347-1593

ALL CORRESPONDENCE SHOULD BE SENT TO: OWNER: _____ AGENT: _____ BOTH: ☒

LEGAL DESCRIPTION OF PROPERTY:

SUBDIVISION NAME: River Chase RECEIVED
UNIT: 9 LOT: 1581 BLOCK: _____ ACREAGE/LEGAL: _____ DEC 03 2007
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STREET NAME/ADDRESS: 614 Cambridge CITY: New Braunfels ZIP: 78132

IS 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.

TYPE OF DEVELOPMENT: - CHECK ONE

☒ SINGLE FAMILY RESIDENTIAL - TYPE OF CONSTRUCTION House
(HOUSE/MOBILE, RV, ETC)
5 # OF BEDROOMS 3585 TOTAL SQ. FT. OF LIVING AREA 360 GALLONS PER DAY

_____ COMMERCIAL TYPE OF BUSINESS/INSTITUTION: _____
_____ NUMBER OF OCCUPANTS _____ GALLONS PER DAY

SITES GENERATING MORE THAN 5000 GALLONS PER DAY ARE REQUIRED TO OBTAIN PERMITTING THROUGH THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY.

SOURCE OF WATER: PUBLIC ☒ PRIVATE WELL _____

PLANNING MATERIALS & SITE EVALUATION AS REQUIRED COMPLETED BY: Dave McChes

SYSTEM DESCRIPTION: Aerobic Surface Spray

SIZE OF SEPTIC SYSTEM REQUIRED BASED ON PLANNING MATERIALS & SITE EVALUATION:

TANK SIZE(S) 200 GPDATU GALLONS ABSORPTION/APPLICATION AREA 6035 SQ. FT.

ARE WATER SAVING DEVICES BEING UTILIZED WITHIN THE RESIDENCE? ☒ YES ☐ NO

I CERTIFY THAT THE COMPLETED APPLICATION AND ALL ADDITIONAL INFORMATION SUBMITTED DOES NOT CONTAIN ANY FALSE INFORMATION AND DOES NOT CONCEAL ANY MATERIAL FACTS. 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 ALSO UNDERSTAND THAT A PERMIT OF AUTHORIZATION TO CONSTRUCT WILL NOT BE ISSUED UNTIL THE FLOOD PLAIN ADMINISTRATOR HAS APPROVED AND RELEASED THE DEVELOPMENT PERMIT FOR THIS PROPERTY.

[Signature]
SIGNATURE OF OWNER

195 DAVID JONAS DRIVE, NEW BRAUNFELS, TEXAS 78132-3760 * (830) 608-2094 FAX (830) 608-2078



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THE COUNTY OF COMAL

STATE OF TEXAS

AFFIDAVIT TO THE PUBLIC

CERTIFICATION OF OSSF REQUIRING MAINTENANCE

According to Texas Natural Resource Conservation Commission Rules for On-Site Sewage Facilities, this document is filed in the Deed Records of Comal County, Texas.

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I

The Texas Health and Safety Code, Chapter 366 authorizes the Texas Natural Resource Conservation Commission (TNRCC) to regulate on-site sewage facilities (OSSFs). Additionally, the Texas Water Code (TWC), § 5.012 and § 5.013, gives the TNRCC 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 TNRCC, 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 TNRCC requires a deed recording. Additionally, the owner must provide proof of the recording to the OSSF permitting authority. This deed certification is not a representation or warranty by the TNRCC of the suitability of this OSSF, nor does it constitute any guarantee by the TNRCC 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):

Site Address: 614 CAMBRIDGE DRIVE

Legal Description: RIVER CHASE 9, LOT 1581, COMAL COUNTY, TX

This property is owned by: STEPHAN & ISABEL MATHIES

This OSSF must be covered by a continuous maintenance contract. All maintenance on this OSSF must be performed by an approved maintenance company, and a signed maintenance contract must be submitted to Travis County within 30 days after the property has transferred.

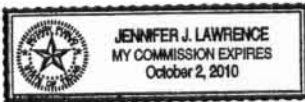
The owner will, upon any sale or transfer of the above-described property, request a transfer of the permit for the OSSF to the buyer or new owner. A copy of the planning materials for the OSSF can be obtained from Travis County.

WITNESS BY HAND(S) ON THIS 19 DAY OF November, 2007.

[Signature]
Owner(s) Signature(s)

[Signature]
Owner(s) Signature(s)

SWORN TO AND SUBSCRIBED BEFORE ME ON THIS 19 DAY OF November 2007



[Signature]
Notary Public, State of Texas

Notary's Printed Name: Jennifer J Lawrence

My Commission Expires: 10-2-10

Filed and Recorded
Official Public Records
Joy Streater, County Clerk
Comal County, Texas
12/03/2007 09:16:21 AM
\$16.00 CASHTWO
200706048411



[Signature]
Joy Streater

OSSF SOIL EVALUATION FORM

90448

Owner's Name: Mathies

Physical Address: 614 Cambridge Drive

Legal Description: River Chase, Unit 9, Lot 1581

Date Performed: 11-12-07

Proposed Excavation Depth: 0 - 6"

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Requirements:

- At lest two soil evaluations must be performed on the site, at opposite ends of the proposed disposal area. Locations of soil evaluations must be shown on the application site drawing or designer's site drawing.
- For subsurface disposal, soil evaluations must be performed to a depth of at least 2-ft. below the proposed excavation depth. For surface disposal, the surface horizon must be evaluated.
- Please describe each soil horizon and identify any restrictive features in the space provided below. Draw lines at the appropriate depth.

Soil Profile Number: 1

Depth	Textural Class	Gravel Analysis	Drainage (Mottles, Water Table)	Restrictive Horizon	Observations
0 0-3"	III	< 30%	None	No	Light Brown Clay loam
1					
2					
3					Approved for aerobic surface distribution
4					
5					

Soil Profile Number: 2

Depth	Textural Class	Gravel Analysis	Drainage (Mottles, Water Table)	Restrictive Horizon	Observations
0 0-4"	III	< 30%	None	No)	Light Brown Clay loam
1					
2					
3					Approved for aerobic surface distribution
4					
5					

Features of Site Area

- Presence of 100 year flood zone
Presence of adjacent ponds, streams, water impoundments
Existing or proposed water well in nearby area
Organized sewage available to lot or tract
Recharge feature within 150 feet

No
No
No
No
No



I certify that the above statements are true and are based on my own field observations.

Signature of Site Evaluator: *DMG*

OS # 24422

Date: 11-12-07

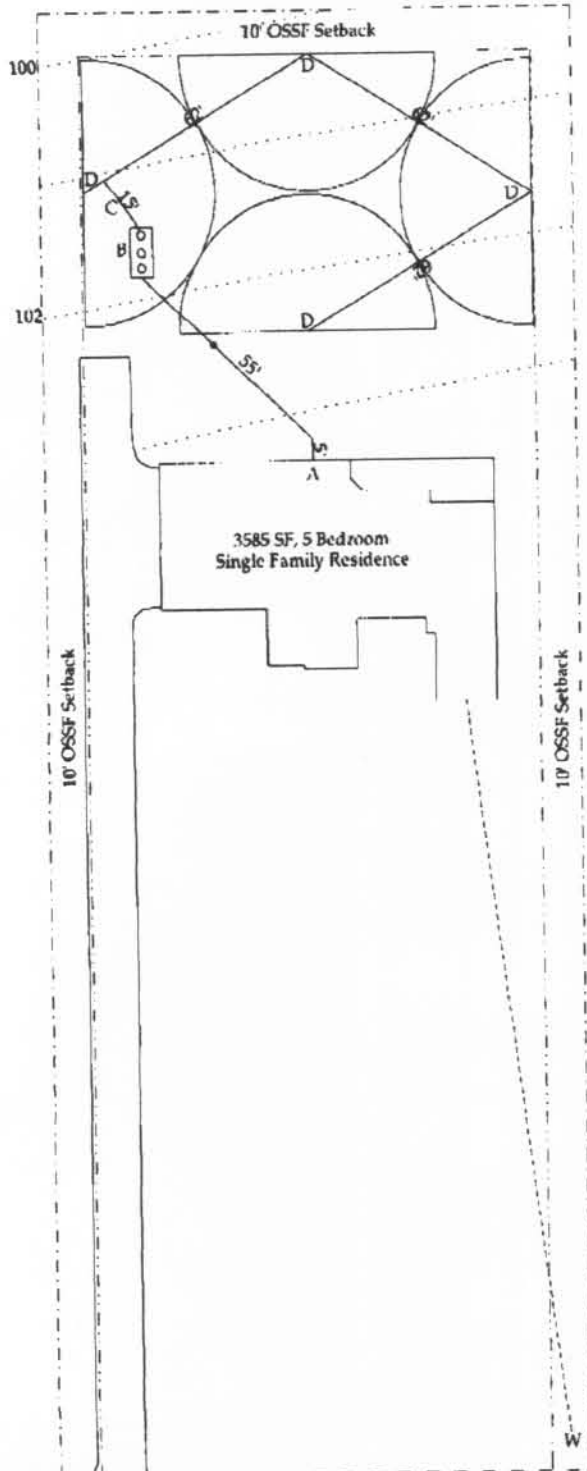
Mathies Residence
614 Cambridge Drive
River Chase, Unit 9, Lot 1581

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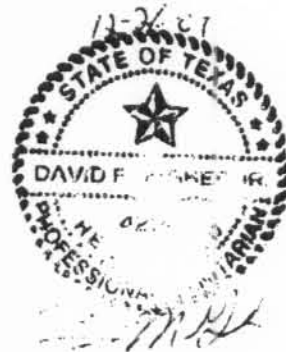
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System Components

- A. 3" or 4" Sch. 40 sewer pipe with two-way cleanout with clean out every 50'
- B. H-Two-O (Model 35A) aerobic treatment unit
- C. 1" Sch. 40 purple PVC distribution line
- D. 4, K-Rain spray heads, 180 degrees, 31' radius



Notes

- * All separation and setback requirements as stated in Chapter 285, TCEQ On-Site Sewage Facilities, must be maintained
- * Remove rocks or place 3" of suitable soil in application area
- * Use check valves on distribution line when spray heads are located above tank
- * This site plan is not intended to be used as a survey

Scale 1" = 40'



PLAN-IT SEPTIC DESIGN & SERVICES,
L.L.C.



DESIGNING FOR A HEALTHIER PLANET

614 CAMBRIDGE DRIVE
RIVER CHASE SUBDIVISION
LOT 1581, UNIT 9
COMAL COUNTY, TX

FOR

MATHIES RESIDENCE

AEROBIC SURFACE IRRIGATION

PLAN-IT CONTACT INFORMATION:

6208 TANGLEWOOD TRAIL • SPRING BRANCH • TEXAS • 78070 • 210-347-1593
PLAN-IT@HOTMAIL.COM



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PLAN-IT SEPTIC DESIGN & SERVICES,



DESIGNING FOR A HEALTHIER PLANET

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11-14-2007

To Whom It May Concern:

The On Site Sewage Facility (OSSF) located at 614 Cambridge Drive in the River Chase Subdivision, Unit 9, Lot 1581 has an existing TCEQ approved Water Pollution Abatement Plan (WPAP). As the OSSF designer I certify that the OSSF on this property complies with all provisions of the existing WPAP.

Sincerely,

Dave McGhee, R.S. 4206

Plan-It Septic Design & Services, L.L.C.





90448

November 14, 2007

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**RE: OSSF Design
614 Cambridge Drive
River Chase
Lot 1581, Unit 9
Comal County, TX**

To Whom It May Concern:

Please find enclosed the OSSF design of the 3585 square foot, five bedroom (360 GPD) single family residence located in River Chase, Comal County, Texas. The design was conducted exclusively for the Mathies's on November 14, 2007.

If you have any questions, please call. I appreciate the opportunity to be of service to you.

Sincerely,


Dave F. McGhee, R.S., S.E.
Plan-It Septic Design & Services, L.L.C.



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SYSTEM SUMMARY

On November 14, 2007 Plan-It Septic Design & Services, L.L.C. began an On-Site Sewage Facility design located in River Chase, Comal County, Texas. This design was performed in conformance with Chapter 285 of Texas Commission on Environmental Quality.

This system is comprised of the following:

- System Designed For: 360 Gallons Per Day
- H-Two-O Aerobic System: Model 35A
- Built-In Drop Down Tablet Chlorinator
- Night Time Surface Irrigation Disposal: 6035 square feet
- Distribution: 1" Purple Distribution pipe to four K-Rain Spray Heads with 180° Patterns Set at 31ft. Radii (#4 LA nozzle)
- Submersible Effluent Pump: Gould Bottom Suction Pump Model 1SC51C-A, 0.5 HP

SITE DESCRIPTION AND SITE EVALUATION

The subject property consisted of an irregular shaped tract of land located at 614 Cambridge Drive, River Chase, Lot 1581, Unit 9. The existing vegetation consists of some native grasses along with Live Oak and Juniper trees. The site evaluation indicated that the site has suitable soil for an aerobic surface irrigation system. No evidence of shallow ground water was observed during the site evaluation. The subject property has positive surface drainage with a slope of less than 15% in the proposed surface distribution area. All exposed rock within the proposed surface distribution area will be removed or covered with a minimum of 3 inches of suitable soil and seeded prior to final inspection. (See landscaping for additional requirements). The single family residence will utilize public water supply as the source for potable water. All of the systems components will be 100 ft. away from all wells. All portions of the spray radii will maintain at least a 10 feet separation from all property lines. No portion of this system lies within 10 feet of a waterline. There are no recharge features within 150 feet of the proposed system. No portion of this site lies within the 100-year flood plain. Minimum separation distances as stated in § 285.30 TCEQ, On-Site Sewage Facilities must be maintained.





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WASTEWATER DESIGN FLOWS

The system was designed for less than or equal to 3585 square foot, 5 bedroom single family residence, utilizing low-flow fixtures. The total projected daily wastewater flow is 360 gallons per day, as-per TCEQ, On-Site Sewage Facilities, effective August 3, 2006.

DESCRIPTION OF PROPOSED AEROBIC TREATMENT SYSTEM

The residence will utilize an H-Two-O aerobic wastewater treatment system (Model 35A), a proprietary treatment plant, approved by the TCEQ for use in Texas. The Model 35A is a three compartment concrete tank. The system will consist of a 400-gallon pretreatment/trash tank compartment which will gravity flow into the 500 GPD aerobic treatment compartment. The effluent from the aeration tank will gravity flow through a stack-feed tablet chlorinator into a 750-gallon pump tank compartment. The pump tank compartment serves as a chlorine contact chamber as well as a storage tank. Distribution is through a 1" Sch. 40 PVC pipe to four spray heads. The disposal area will consist of 4 – 31 ft. 180° radii patterns. The system is considered a "package system", and will be installed according to manufacturer's instructions.

VARIANCE REQUEST

None.

DESIGN SPECIFICATIONS

Size of Residence: 3585 square feet

Number of Bedrooms: 5

Average Expected Flow: 360 GPD

Application Rate: 0.064 gal / ft² / day

Minimum Application Area: $A = Q/R_i$ $A = 360 \text{ GPD} / 0.064 = 5625 \text{ square feet}$

Actual Application Area: $A = 3.14 (31)^2 \times 2 = 6035 \text{ square feet}$





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SYSTEM COMPONENTS

Trash Tank: 400 gallon one-compartment

Aeration Tank: 500 GPD

Pump Tank: 750 gallon compartment = 13.64 gal/inch of depth (55" usable)

PUMP FLOAT SETTINGS

Pump-off Position: 6 inches above tank bottom

Pump-on Position: 11 inches above tank bottom

Alarm-on Position: 33 inches above tank bottom

Daily Operating Capacity: 27" x 13.64 gal/in = 368.28 gallons

Reserve Capacity: 22" x 13.64 gal/in = 300.08 gallons

PUMP AND SPRINKLER HEADS

Pump: Gould Bottom suction pump 1SC51C-A, 0.5 HP, Submersible pump @
20 GPM

Spray Heads: K-Rain spray heads (built-in drain check valve)

Nozzle: 4.0 LA (Low angle trajectory, 13 degrees) operating at 30 PSI, 31 ft radii.
3.4 GPM flow per spray head

Note: A commercial irrigation timer will be used to cycle power to the pump-on float switch two times per night, at 1 a.m. and 4 a.m. (Under the Texas Administrative Code §285 On-Site Sewage Facilities, this system must be installed with a night timer, set to spray between the hours of 1 a.m. and 5 a.m. An unthreaded sampling port must also be provided.



PLAN-IT SEPTIC DESIGN & SERVICES,



DESIGNING FOR A HEALTHIER PLANET

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FLOW, DOSING AND HEAD CALCULATIONS

Flow Rate: 3.4 GPM/head x 4 heads = 13.6 GPM

Dosing Rate: 2 doses @ 180 gal/dose / 13.6 GPM = 13.2 min/dose, at 1 a.m. and 4 a.m.

Total Head:

Elevation Head: 5 ft

Pressure Head: 30 PSI x 2.31 ft/PSI = 69.3

Friction Head: 1" Sch. 40 PVC @ 2.8 GPM = 2.13ft per 100ft
201ft (3.71/100) (1.2 SF) = 8.94

Total Dynamic Head: 5 + 69.3 + 8.94 = 83.24ft (within the pump curve)

CONSTRUCTION/INSTALLATION NOTES & REQUIREMENTS

- Refer to site plan for component placement and follow manufacturer's instructions for installation of treatment plant and aerator.
- All materials and construction methods are required to conform to the standards for Private Sewage Facilities set forth by the Texas Administrative Code, §285 On-Site Sewage Facilities.
- The installer must have a current and valid Texas installer certificate, and is required to have at the minimum and Installer II certification.
- The installer must notify designer and regulatory authority at least 48 hours in advance to schedule required inspections to ensure that the system is installed in accordance with approved plans and specifications.
- The installer may not alter these plans without the approval from the designer.
- If site conditions differ from that which is on the approved design, the installer must cease construction and contact the designer.
- Diversion berms will be placed when needed to protect irrigation and tank areas from excessive runoff.
- It is the responsibility of the installer to maintain the minimum setback requirements as stated in Chapter §285 On-Site Sewage Facilities.
- No part of the system shall be located within 10 feet of a potable water line. If this is unavoidable, the water line shall be sleeved with Sch. 40 pipe 10 feet in both directions and sealed with silicone to prevent contamination.



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ELECTRICAL COMPONENTS

All electrical wiring shall conform to the requirements of the National Electric Code (1999) or under any other standards approved by the executive director. Additionally, all external wiring shall be installed in approved, rigid, non-metallic gray code electrical conduit. The conduit shall be buried according to the requirements in the National Electric Code and terminated at a main circuit breaker panel or sub-panel. Connections shall be in approved junction boxes. All electrical components shall have an electrical disconnect within direct vision from the place where the electrical device is being serviced. Electrical disconnects must be weatherproof (approved for outdoor use) and have maintenance lockout provisions.

TANK NOTES

- The bottom of the excavation for the tanks shall be level and free of large rocks and debris.
- All tanks are to be set level on a minimum 4 inch layer of sand, sandy loam, clay loam, or pea gravel.
- Risers are required when tanks are buried in excess of 12 inches.
- All openings in the tank must be properly sealed to prevent the escape of wastewater, and/or to prevent the infiltration of water.
- Tanks must be filled with water for at least 24 hours to test for leaks and structural integrity.
- The tanks must be set low enough to have fall of at least 1/8 inch per foot from house to tank.
- PVC pipe from house to tank must be at least Sch. 40 or SDR 26.



PLAN-IT SEPTIC DESIGN & SERVICES,



DESIGNING FOR A HEALTHIER PLANET

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IRRIGATION AND LANDSCAPE NOTES

- Irrigation lines shall be 1 inch Sch. 40 PVC. All supply lines, sprinkler heads and valve cover boxes must be permanently colored purple. Sleeve any pipe that crosses any road, driveway, or other land improvement with Sch. 40 PVC.
- Supply lines must be buried at least 6 inches below finished grade.
- If irrigation area does not have established vegetation, a mixture of winter rye and Bermuda grasses will be seeded to establish seasonal vegetation.
- The installer shall notify the property owner prior to removal of any trees/bushes that may obstruct the operation of the irrigation system.
- All exposed surface rock must be covered with at least 3 inches of suitable soil.
- Vegetation must be established before system is in use.

ADDITIONAL NOTES

- Install audio-visual alarm for aerator and pump on separate breakers.
- The high water and air compressor alarms shall be audio/visual and mounted in a place that can be easily seen and heard when alarms are activated.
- The chlorinator must be constructed to allow a chlorine residual of 1.0 mg/L in the pump tank for the period of time between scheduled inspections.
- The disinfected effluent must obey the standards as stated in Chapter §285 On-Site Sewage Facilities. Approved disinfection methods using chlorinated tablets must use calcium hypochlorite that is properly labeled for wastewater disinfection.



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COUNTY ENGINEER**MAINTENANCE REQUIREMENTS**

- The applicant must furnish to the regulatory authority a valid maintenance contract with a certified maintenance company before a permit will be issued.
- The maintenance company will verify that the system is operating properly and provide on-going maintenance of the installation.
- The initial contract will be a minimum of two years.
- A maintenance contract will authorize the maintenance company to maintain and repair the system as needed.
- The property owner must continuously maintain a signed written contract with a valid maintenance company and shall submit a copy of the contract to the permitting authority at least 30 days prior to the date service will cease.

AFFIDAVIT

- The applicant must file a certified copy of an affidavit at the County Clerk's Office and file in reference to the real property deed on which the surface application system is to be installed.
- The affidavit will state that the property shall not be transferred to a new owner without:
 - (1) The new owner being advised that the property contains a surface application system for wastewater disposal.
 - (2) The permit issued to the previous owner of the property being transferred to the new owner in accordance with Chapter §285. 20(5) of the TCEQ OSSF Rules, i.e.; the permit will be issued in the name of the owner of the OSSF. Permits shall be transferred to the new owner automatically upon legal sale of the OSSF. The transfer of an OSSF permit under this section shall occur upon actual transfer of the property on which the OSSF is located unless the ownership of the OSSF had been severed from the property.
 - (3) The new owners submitting a valid maintenance contract to the permitting authority.



PLAN-IT SEPTIC DESIGN & SERVICES,



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OPERATION AND MANAGEMENT NOTES

- The OSSF should not be treated as a normal city sewer.
- The excessive use of in-sink garbage grinders and grease discarding should be avoided. In-sink garbage grinders can cause a rapid buildup of sludge or scum resulting in a more frequent cleaning and possible system failure.
- Do not use the toilet to dispose of cleaning tissue, cigarette butts, or other trash. This disposal practice will waste water and also impose an undesirable solid load on the treatment system.
- Septic tanks shall be cleaned before sludge accumulates to a point where it approaches the bottom of the outlet device. If sludge or scum accumulates to this point, solids will leave the tank with the liquid and possibly cause the system to clog resulting in sewage surfacing or backing up into the house through plumbing fixtures.
- A regular schedule of cleaning the tank at two to three year intervals should be established. Commercial cleaners are equipped to readily perform the cleaning operation. Owners of OSSF's shall engage only persons registered with the TCEQ to transport the septic system waste.
- Do not build driveways, storage buildings, or other structures over system components or the disposal field.
- Chemical additives or so-called enzymes are not necessary for the operation of a septic tank. Some of these additives may even be harmful to the systems operation.
- 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.
- Chapter §285.39 states the owner shall not allow water softener or reverse osmosis back flush to enter into any portion of the OSSF.
- The liquid from the OSSF is still heavily laden with bacteria. The surfacing of this liquid constitutes a hazard to the health of those that might come into contact with it.

This proposed system has been designed generally following the minimum requirements under TCEQ Chapter §285 On-Site Sewage Facilities. The site evaluation and subsequent design are based on technical information currently available. There was no indication of shallow groundwater or slopes where seeps could occur at the time of the site evaluation. The performance of the OSSF is not, and cannot be guaranteed even though all provisions of the Standards have been complied with. If failure should occur, additions to the OSSF may have to be made. By accepting this design, the homeowner/builder understands that the designer/site evaluator will not be liable for more than the agreed upon design fee.



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DESIGNING FOR A HEALTHIER PLANET

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WATER CONSERVATION PRACTICES

- Showers usually use less water than baths. Installing water saving shower heads that uses less than 2.5 gallons per minute saves both water and energy.
- If you take a tub bath, reduce the level of the 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.
- Leaking toilets may not be evident. Add a few drops of food coloring into the tank. Do not flush. If the color appears in the bowl within a few minutes, adjustments and/or repairs to the toilet need to be made.
- Reduce the amount of water used by the toilet by installing one of the following: a new 1.6 gallon toilet, a toilet dam, or filling and capping a one quart plastic bottle with water and placing it into the tank. Do not use bricks as they may crumble and cause damage to the toilet.
- Install low-flow fixtures throughout the house and use faucet aerators that restrict water flow to help reduce consumption.
- Try to run dishwasher with a full load.
- Avoid running the water continuously for brushing teeth, washing hands or rinsing kitchen utensils.
- Water can be saved in the laundry room by adjusting water levels to match the size of the load. If the washing machine does not have a variable load control, water can be saved by running it only when the washer is full.
- Keep a container of drinking water in the refrigerator instead of running a faucet until it turns cool.
- Insulate hot water pipes to avoid long delays of wasted water while waiting for the water to heat.
- Ask your federal, state, county, city or other local government about their programs to conserve water and how they can help you save water.





ITT

GOULDS PUMPS
Residential Water Systems

DEC 03 2007

COUNTY ENGINEER

APPLICATIONS

Submersible water pumps designed for pumping out of reservoirs and storage tanks:

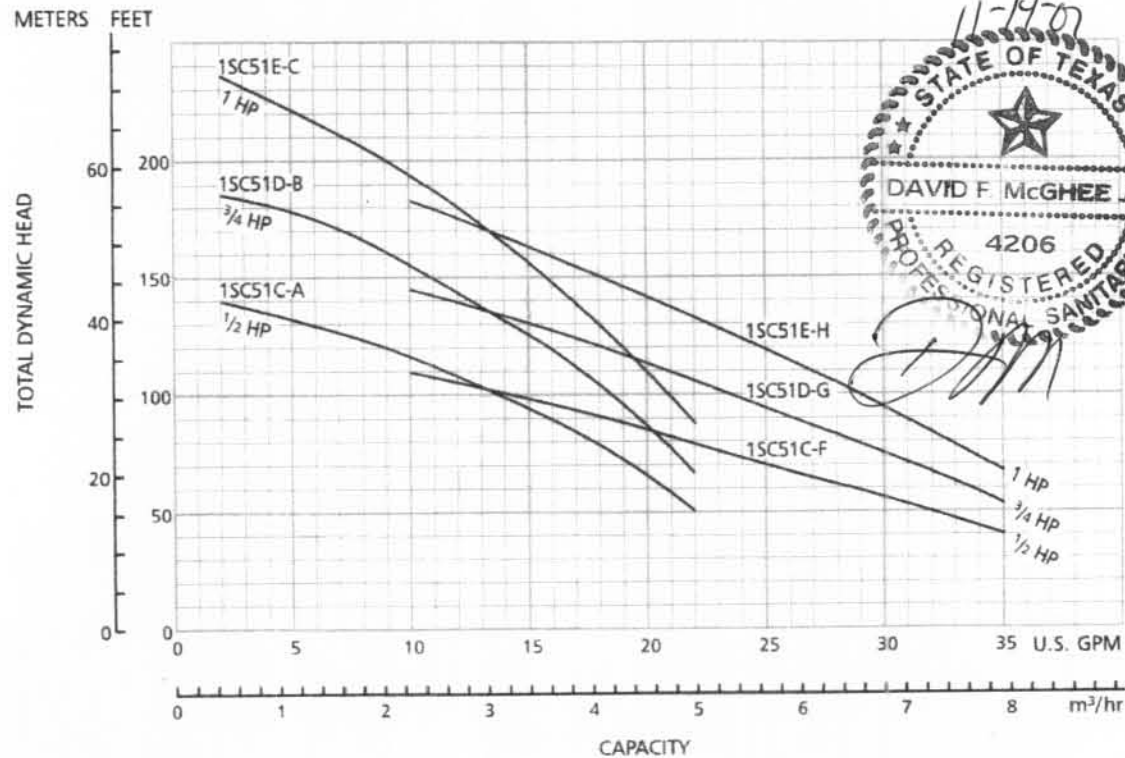
- Homes and farms
- Mobile home parks and motels
- Schools and hospitals
- Municipal applications
- Industrial applications
- Commercial applications

SPECIFICATIONS

Pump:

- 1 1/4" NPT discharge and open suction.
- Maximum suspended solids 1/4".
- Capacities: to 35 U.S. GPM (7.9 m³/h).
- Total heads: to 240 feet TDH (70 m).
- Temperature:
104°F (40°C) continuous
140°F (60°C) intermittent.

- Maximum submergence: to 65 feet (20 m).
 - Continuous duty rated, non-overloading motor.
- Motor:**
- **Single phase:** 3450 RPM, 115 and 230 V, 60 Hz.
 - **Three phase:** 3450 RPM, 230 V, 60 Hz.
 - Non-overloading.
 - Class F insulation.
 - Thermal overload protection: built-in with automatic reset on single phase.
 - Three phase models require external overloads in panel.
 - **Power cord:** 30' long with BARE leads for control panel connection.
Single phase – 16/4 SJTO
Three phase – 16/4 STO
 - NOTE:** See accessory section for separate control panels.
 - Capacitor box, single phase models are supplied with a capacitor box and molded NEMA plug.



PROPLUS - PERFORMANCE DATA

PERFORMANCE

NOZZLE	PRESSURE PSI	RADIUS FT.	FLOW GPM
#2.5 PRE-INSTALLED	30	38	2.5
	40	39	2.8
	50	40	3.2
	60	41	3.5
#0.5	30	28	.5
	40	29	.6
	50	29	.7
	60	30	.8
#0.75	30	29	.7
	40	30	.8
	50	31	.9
	60	32	1.0
#1	30	32	1.3
	40	33	1.5
	50	34	1.6
	60	35	1.8
#2	30	37	2.4
	40	40	2.5
	50	42	3.0
	60	43	3.3
#3	30	38	3.6
	40	39	4.2
	50	41	4.6
	60	42	5.0
#4	30	43	4.4
	40	44	5.1
	50	46	5.6
	60	49	5.9
#6	40	45	5.9
	50	46	6.0
	60	48	6.3
	70	49	6.7
#8	40	42	8.0
	50	45	8.5
	60	49	9.5
	70	50	10.0

LOW ANGLE DATA

NOZZLE	PRESSURE PSI	RADIUS FT.	FLOW GPM
#1	30	22	1.2
	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

METRIC

NOZZLE	PRESSURE MPa BAR	RADIUS METERS	FLOW RATE LPM GPM
#2.5 PRE-INSTALLED	206 2.04	11.6	9.46 37
	275 2.72	11.9	10.60 41
	345 3.40	12.2	12.17 47
	413 4.08	12.5	13.25 51
#0.5	206 2.0	8.8	1.87 7
	275 3.0	8.8	2.65 10
	345 3.5	9.1	3.03 12
	413 4.0	9.1	3.03 12
#0.75	206 2.0	8.8	2.65 10
	275 3.0	9.1	3.03 12
	345 3.5	9.4	3.41 13
	413 4.0	9.8	3.73 14
#1	206 2.0	9.8	4.92 19
	275 3.0	10.1	5.68 22
	345 3.5	10.4	6.05 24
	413 4.0	10.7	6.81 27
#2	206 2.0	11.3	9.08 36
	275 3.0	12.2	9.46 37
	345 3.5	12.8	11.35 45
	413 4.0	13.1	12.45 49
#3	206 2.0	11.6	13.63 53
	275 3.0	11.9	15.89 62
	345 3.5	12.5	17.41 68
	413 4.0	12.8	18.92 75
#4	206 2.0	13.1	16.65 65
	275 3.0	13.4	19.30 76
	345 3.5	14.0	21.19 83
	413 4.0	14.9	22.33 88
#6	206 3.0	13.7	22.33 88
	275 3.5	14.0	22.77 90
	345 4.0	14.6	23.85 94
	413 5.0	14.9	25.35 100
#8	206 3.0	12.6	30.28 116
	275 3.5	13.7	32.12 124
	345 4.0	14.8	35.95 140
	413 5.0	15.3	37.85 148

METRIC

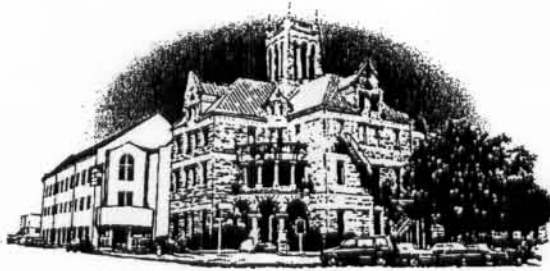
NOZZLE	PRESSURE MPa BAR	RADIUS METERS	FLOW RATE LPM GPM
#1	207 2.04	6.71	4.54 17
	275 2.72	7.32	6.43 25
	344 3.40	7.92	6.80 26
	413 4.08	8.52	7.56 30
#3	207 2.04	8.04	11.34 44
	275 2.72	9.75	11.72 46
	344 3.40	10.67	13.23 51
	413 4.08	11.58	14.36 56
#4	207 2.04	9.45	12.85 50
	275 2.72	10.36	14.74 58
	344 3.40	11.29	16.63 65
	413 4.08	11.58	17.77 70
#6	275 2.72	11.58	24.57 96
	344 3.40	12.19	26.44 104
	413 4.08	12.80	28.32 112
	482 4.76	13.41	30.20 120

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Comal County

OFFICE OF COMAL COUNTY ENGINEER

December 19, 2007

Stephan E and Isabel G Mathies
c/o P.O. Box 1028
Dripping Springs, Texas 78620

Re: River Chase Unit 9 Lot 1581, Permit #90448
Application for Permit of Authorization to Construct On-Site Sewage Facility (OSSF)
and License to Operate

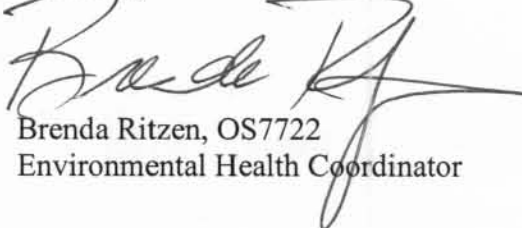
Dear property owner,

We received planning materials for the referenced permit application on December 3, 2007 and found those planning materials to be deficient. In order to continue processing this permit, we need the following information:

- ✓ 1. A cleanout is required on sewer pipe lengths of 50 feet or longer.
- 2. Revise accordingly and resubmit.

We realize this permit is important to you, and in order to help speed up the process the above information may be faxed. Thank you for your patience and assistance.

Sincerely,



Brenda Ritzen, OS7722
Environmental Health Coordinator

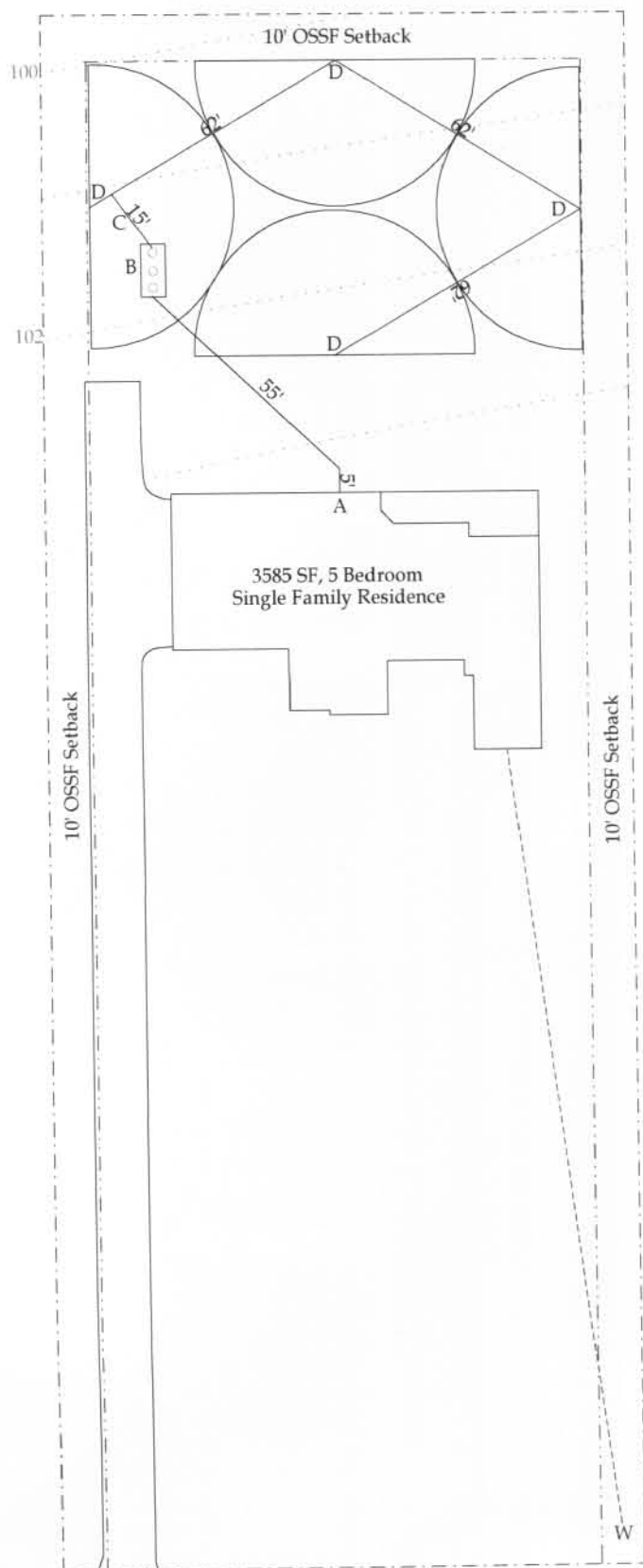
cc: Dave McGhee, RS

90448

VOID

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- A. 3" or 4" Sch. 40 sewer pipe with two-way cleanout
- B. H-Two-O (Model 35A) aerobic treatment unit
- C. 1" Sch. 40 purple PVC distribution line
- D. 4, K-Rain spray heads, 180 degrees, 31' radius



- * All separation and setback requirements as stated in Chapter 285, TCEQ On-Site Sewage Facilities, must be maintained
- * Remove rocks or place 3" of suitable soil in application area
- * Use check valves on distribution line when spray heads are located above tank
- * This site plan is not intended to be used as a survey

Scale 1" = 40'



90448

Doc# 20060604666

BJ 13007334

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NOTICE OF CONFIDENTIALITY RIGHTS: IF YOU ARE A NATURAL PERSON, YOU MAY REMOVE OR STRIKE ANY OR ALL OF THE FOLLOWING INFORMATION FROM THIS INSTRUMENT BEFORE IT IS FILED FOR RECORD IN THE PUBLIC RECORDS: YOUR SOCIAL SECURITY NUMBER OR YOUR DRIVER'S LICENSE NUMBER.

SPECIAL WARRANTY DEED WITH VENDOR'S LIEN IN FAVOR OF THIRD PARTY FROM RIVER CHASE VENTURE, LTD. TO STEPHAN E. MATHIES AND ISABEL G. MATHIES.

THE STATE OF TEXAS
COUNTY OF COMAL

KNOW ALL MEN BY THESE PRESENTS:

That RIVER CHASE VENTURE, LTD., a Texas Limited Partnership, acting herein by and through its duly authorized General Partner, SOUTHERLAND/RCR MANAGEMENT, INC., a Texas Corporation, 9670 Ranch Road 12, Wimberley, Hays County, Texas 78676, hereinafter called Grantor, for and in consideration of the sum of TEN AND NO/100 DOLLARS (\$10.00) and other valuable consideration to it in hand paid by STEPHAN E. MATHIES, and wife, ISABEL G. MATHIES, of 211 Mission Trail, Wimberley, Hays County, Texas 78676, hereinafter called Grantee, receipt of which is hereby acknowledged and confessed; and the further consideration of the execution and delivery by the said Grantee of one certain promissory note of even date herewith in the principal sum of FORTY NINE THOUSAND FOUR HUNDRED TEN AND NO/100 DOLLARS (\$49,410.00), payable to the order of THE FROST NATIONAL BANK, 8202 North Pan Am Expressway, San Antonio, Texas 78239, hereinafter called Mortgagee, said note being payable in installments as in said note contained and bearing interest at the rate therein specified and providing for attorney's fees and acceleration of maturity at the rate and in the events therein set forth and payment of said note being secured by vendor's lien and superior title retained herein in favor of said Mortgagee, and by Deed of Trust of even date herewith from Grantee to Jimmy R. Locke, Trustee, to which reference is hereby made for all purposes; and,

90448

Doc# 200606046661

WHEREAS, Mortgagee has, at the special instance and request of said Grantee, paid to Grantor herein FORTY NINE THOUSAND FOUR HUNDRED TEN AND NO/100 DOLLARS (\$49,410.00) of the purchase money for the property hereinafter described, as represented by the above described note, the vendor's lien against said property securing the payment of said note, is without recourse upon Grantor herein, hereby assigned, transferred and delivered to Mortgagee, the Grantor hereby conveying to said Mortgagee the said superior title to said property, and subrogating the said Mortgagee unto all the rights and remedies of Grantor in the premises by virtue of said note and liens, has GRANTED, SOLD and CONVEYED, and by these presents does GRANT, SELL and CONVEY, unto the said Grantee, the following described property, to-wit:

Lot 1581, RIVER CHASE UNIT NINE, Comal County, Texas, according to plat thereof recorded in Document No. 200606019467, Official Public 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 anywise belonging, unto the said Grantee, Grantee's heirs and assigns forever and Grantor does hereby bind itself, its successors and assigns to WARRANT AND FOREVER DEFEND all and singular the said premises unto the said Grantee, Grantee's heirs and assigns, against every person whomsoever lawfully claiming or to claim the same or any part thereof by, through or under Grantor, but not otherwise. Taxes for the current year have been prorated as of the date of closing.

THIS CONVEYANCE IS MADE AND ACCEPTED SUBJECT to taxes for the current year and all restrictions, covenants, conditions, easements, reservations and other instruments that affect the property and are shown in the public records of Comal County, Texas, and to all zoning laws, regulations and ordinances of municipal and/or other governmental authorities that affect the property.

But it is expressly agreed and stipulated that the vendor's lien, as well as superior title in and to said property, is retained in favor of the payee in said note against the above

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10/30/2006 11:02 FAX

ALAMO TITLE BILVERDF

JAY PATTERSON

2014/014

90448

Doc# 200606046661

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.

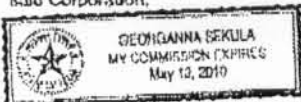
EXECUTED on the date of this acknowledgment, but EFFECTIVE as of the 23rd day of October, A.D. 2006.

RIVER CHASE VENTURE, LTD., a Texas Limited Partnership by SOUTHERLAND/RCR MANAGEMENT INC., a Texas Corporation, General Partner

By: William J. Sellers, V.P.
JAY PATTERSON, Vice President
WILLIAM J. SELLERS

THE STATE OF TEXAS
COUNTY OF Comal

This instrument was acknowledged before me on this the 23rd day of October, 2006, by JAY PATTERSON, Vice President of SOUTHERLAND/RCR MANAGEMENT, INC., a Texas Corporation, its General Partner for RIVER CHASE VENTURE, LTD., a Texas Limited Partnership, in the capacity therein stated, on behalf of said Corporation.



Georganna Sekula
NOTARY PUBLIC, STATE OF TEXAS
Notary's Name Printed: GEORGINNA SEKULA
My Commission Expires: 5-12-2010

AFTER RECORDING RETURN TO:
ALAMO TITLE COMPANY
GF#06-13007334

PREPARED IN THE LAW OFFICE OF:
BOB R. KIRSHING, P.C.
P. O. Box 311606
New Braunfels, TX 78131 1686

Doc# 200606046661
Pages 3
10/31/2006 1:27PM
Official Records of
COMAL COUNTY
JOY STREATER
COUNTY CLERK
Fees \$24.00



Joy Streater

Doc# 200606046661

Description: Comal, TX Document-Year, DocID[2000 to Current] 2006.46661 Page: 3 of 3
Order: n Comment:



Comal County
OFFICE OF COMAL COUNTY ENGINEER

EXEMPTION CERTIFICATE

**COMAL COUNTY FLOODPLAIN DEVELOPMENT
PERMIT**

PERMIT # 90448

LOCATION: **River Chase, Unit 9**

Lot: **1581**

FIRM Panel No. **0110C**

Dated: **September 29, 1986**

THIS APPLICATION HAS BEEN REVIEWED BY THE COMAL COUNTY ENGINEERS OFFICE,
AND IT IS THEIR DETERMINATION THAT THE PROPOSED DEVELOPMENT IS:

Located within Zone C, and is NOT located within a Special Flood Hazard Area (SFHA)

THE COUNTY ADMINISTRATOR HAS REVIEWED THE PLANS AND MAKES THE
FOLLOWING COMMENTS:

THIS CERTIFICATE EXEMPTS THE APPLICANT FROM DEVELOPMENT STANDARDS
REQUIRED BY THE COMAL COUNTY FLOOD DAMAGE PREVENTION ORDER. WORK IS
HEREBY AUTHORIZED TO PROCEED.

- THIS PERMIT IS VOID IF THE PERMITTED CONSTRUCTION HAS NOT COMMENCED WITHIN 180 DAYS FROM DATE OF ISSUANCE
- THIS PERMIT IS VOID IF THE PERMITTED CONSTRUCTION HAS NOT COMMENCED AND A FEMA MAP REVISION AFFECTING FLOODPLAINS WITHIN THE PERMITTED PROPERTY HAS BEEN ADOPTED
- THIS PERMIT IS VOID IF THE FOUNDATION FOR A RESIDENTIAL OR COMMERCIAL STRUCTURE HAS NOT BEEN COMPLETED WITHIN 180 DAYS FROM DATE OF ISSUANCE
- THIS PERMIT IS VOID IF THE FOUNDATION FOR A RESIDENTIAL OR COMMERCIAL STRUCTURE HAS NOT BEEN COMPLETED AND A FEMA MAP REVISION AFFECTING FLOODPLAINS WITHIN THE PERMITTED PROPERTY HAS BEEN ADOPTED

SIGNED Kathy Duffin DATE: 12-7-07

Lawrence Excavation, Inc
1420 Shelton Ranch Rd
Dripping Springs, TX 78620

6/11/2008
Phone: (512) 894-0207
Fax: (512) 894-0315

To: Stephen & Isabel Mathies
614 Cambridge
New Braunfels, TX 78132

PermitNo: 90448
Aerator S/N:
Inspection 1 of 3 for contract year
Contract expires: 1/17/2010

Site: 614 Cambridge New Braunfels, TX 78132
Agencies: City of Dripping Springs
County: Comal
Subdivision: River Chase

Manufacturer: DeSoto Concrete Products
Owner Phone: (512) 557-3203
Installed: 1/17/2008 Warranty expires:

Inspection Type: Scheduled Inspection
Date Inspected: 5/24/2008

Inspection Comments or Recommendations
All looks ok

Test Method: Grab
Aerators: Operational
Filters: Operational
Irrigation Pumps: Operational
Disinfection Device: Operational
Chlorine Supply: Operational
Electric Circuits: Operational
Distribution System: Operational
Sprayfield Vegetation: Operational

Changed Diffusers <input type="checkbox"/>	Added Chlorine: <input type="checkbox"/>
Quantity: <input type="text" value="0"/>	
Sludge Levels	
Treatment Tank:	"
Pump Tank:	"

Chlorine Residual: .6 PSI: 0.0
CFM: 0.0

Water Meter: 0

☒ Service Completed

Inspector: Ronnie Lawrence
Inspector signature: 

Lawrence Excavation, Inc
1420 Shelton Ranch Rd
Dripping Springs, TX 78620

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FEB 11 2009

COUNTY ENGINEER

2/9/2009

Phone: (512) 894-0207

Fax: (512) 894-0315

To: Mr. Stephen & Isabel Mathies
614 Cambridge
New Braunfels, TX 78132

PermitNo: 90448
Aerator S/N: 35LD000310
Inspection 2 of 3 for contract year
Contract expires: 1/17/2010

Site: 614 Cambridge New Braunfels, TX 78132

Agencies: City of Dripping Springs

County: Comal

Subdivision: River Chase

Manufacturer: DeSoto Concrete Products

Owner Phone: (512) 557-3203

Installed: 1/17/2008

Warranty expires:

Inspection Type: Scheduled Inspection

Date Inspected: 1/9/2009

Test Method: Grab

Aerators: Operational

Filters: Operational

Irrigation Pumps: Operational

Disinfection Device: Operational

Chlorine Supply: Operational

Electric Circuits: Operational

Distribution System: Operational

Sprayfield Vegetation: Operational

Inspection Comments or Recommendations

Needs chlorine. Some erosion issues around tank. Tanks are sound though. Reset clock and timer.

Changed Diffusers ☐

Added Chlorine: ☐

Quantity: 0

Sludge Levels

Treatment Tank: "

Pump Tank: "

Chlorine Residual: <.1mg/l

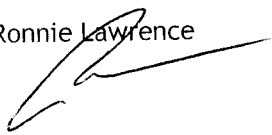
PSI: 0.0

CFM: 0.0

Water Meter: 0

☒ Service Completed

Inspector: Ronnie Lawrence

Inspector signature: 

Lawrence Excavation, Inc
1420 Shelton Ranch Rd
Dripping Springs, TX 78620

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4/5/2009
Phone: (512) 894-0207
Fax: (512) 894-0315

To: Mr. Stephen & Isabel Mathies
614 Cambridge
New Braunfels, TX 78132

PermitNo: 90448
Aerator S/N: 35LD000310
Inspection 3 of 3 for contract year
Contract expires: 1/17/2010

Site: 614 Cambridge New Braunfels, TX 78132
Agencies: City of Dripping Springs
County: Comal
Subdivision: River Chase

Manufacturer: DeSoto Concrete Products
Owner Phone: (512) 557-3203
Installed: 1/17/2008 Warranty expires:

Inspection Type: Scheduled Inspection

Date Inspected: 4/6/2009

Test Method: Grab

Aerators: Operational

Filters: Operational

Irrigation Pumps: Operational

Disinfection Device: Operational

Chlorine Supply: Operational

Electric Circuits: Operational

Distribution System: Operational

Sprayfield Vegetation: Operational

Inspection Comments or Recommendations

added chlorine

Chlorine Residual: >.1mg/l

PSI: 0.0

CFM: 0.0

Water Meters:

Changed Diffusers

Quantity: 0

Added Chlorine:

Sludge Levels

Treatment Tank:

Pump Tank:

☒ Service Completed

Inspector: Ronnie Lawrence

Inspector signature:

Lawrence Excavation, Inc
1420 Shelton Ranch Rd
Dripping Springs, TX 78620

RECEIVED
JUN 09 2009
COUNTY ENGINEER

6/2/2009
Phone: (512) 894-0207
Fax: (512) 894-0315

To: Mr. Stephen & Isabel Mathies
614 Cambridge
New Braunfels, TX 78132

PermitNo: 90448
Aerator S/N: 35LD000310
Inspection 4 of 3 for contract year
Contract expires: 1/17/2010

Site: 614 Cambridge New Braunfels, TX 78132
Agencies: City of Dripping Springs
County: Comal
Subdivision: River Chase

Manufacturer: DeSoto Concrete Products
Owner Phone: (512) 557-3203
Installed: 1/17/2008 Warranty expires:

Inspection Type: Scheduled Inspection

Date Inspected: 5/29/2009

Test Method: Grab

Aerators: Operational

Filters: Operational

Irrigation Pumps: Operational

Disinfection Device: Operational

Chlorine Supply: Operational

Electric Circuits: Operational

Distribution System: Operational

Sprayfield Vegetation: Operational

Inspection Comments or Recommendations

has done some work around the tank areas and covered the exposed conduits

Chlorine Residual: >.1mg/l

PSI: 0.0
CFM: 0.0

Water Meter: 0

Changed Diffusers ☐
Quantity:

Added Chlorine:

Sludge Levels

Treatment Tank: "
Pump Tank: "

☒ Service Completed

Inspector: Ronnie Lawrence

Inspector signature: _____

Lawrence Excavation, Inc
1420 Shelton Ranch Rd
Dripping Springs, TX 78620

RECEIVED

JAN 26 2010

COUNTY ENGINEER

1/25/2010

Phone: (512) 894-0207

Fax: (512) 894-0315

To Mr. Stephen & Isabel Mathies
614 Cambridge
New Braunfels, TX 78132

PermitNo: 90448
Aerator S/N: 35LD000310
Inspection 0 of 3 for contract year
Contract expires: 1/17/2010

Site: 614 Cambridge New Braunfels, TX 78132

Agencies: City of Dripping Springs

County: Comal

Subdivision: River Chase

Manufacturer: DeSoto Concrete Products

Owner Phone: (512) 557-3203

Installed: 1/17/2008

Warranty expires:

Inspection Type: Scheduled Inspection

Date Inspected: 1/18/2010

Test Method: Grab

Aerators: Operational

Filters: Operational

Irrigation Pumps: Operational

Disinfection Device: Operational

Chlorine Supply: Operational

Electric Circuits: Operational

Distribution System: Operational

Sprayfield Vegetation: Operational

Inspection Comments or Recommendations

Changed Diffusers ☐

Added Chlorine: ☐

Quantity: 0

Sludge Levels

Treatment Tank: "

Pump Tank: "

Chlorine Residual: >.1mg/l

PSI: 0.0

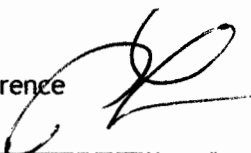
CFM: 0.0

Water Meter: 0

☒ Service Completed

Inspector: Ronnie Lawrence

Inspector signature: _____



Aerobic Services of South Texas
15188 FM 306
Canyon Lake, TX 78133



MAILED
ENTERED

To: Holly Metz
614 Cambridge
New Braunfels, TX 78132

Phone: (830) 964-2365
Fax: (830) 964-2659
www.aerobicservices.com

Printed: 7/24/2019
Site: 614 Cambridge
New Braunfels, TX 78132
(512) 672-9629

Permit #: **90448**

Customer ID: 61115247

Agency: Comal County Environmental Health Comal County Environmental Health Comal C
County: Comal Sub: River Chase
Mfg / Brand: - H20 500
Treatment Type: Aerobic
Disposal: Surface Application

Contract Dates: -
Scheduled Date:

Service Type: Repair

Visit Date: 7/23/2019

Entered By: Leanne L White

Method: Grab

Technician: Dakota

Aerators: Operational

Filters: Operational

Irrigation Pumps: Operational

Disinfection Device: Operational

Chlorine Supply: Operational

Chlorine Residual: 0.00

Sludge Levels

For Tank 1: na

For Tank 2: na

For Tank 3: 3

Tank Lid / Riser: Secured

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JUL 29 2019

COUNTY ENGINEER

Electric Circuits: Operational

Distribution System: Operational

Sprayfield Veg: Operational

Alarm: Operational

Comments

- Technician Secured the Tank Lid and/or Riser prior to leaving location. Reconnected airline

☒ Service Completed

Insp ID #: 116267

Aerobic Services of South Texas
15188 FM 306
Canyon Lake, TX 78133



MAILED

ENTERED

To: Holly Metz
614 Cambridge
New Braunfels, TX 78132

Phone: (830) 964-2365
Fax: (830) 964-2659
www.aerobicservices.com

Printed: 9/4/2019
Site: 614 Cambridge
New Braunfels, TX 78132
(512) 672-9629

Permit #: **90448**

Customer ID: 61115247

Agency: Comal County Environmental Health Comal County Environmental Health Comal C
County: Comal Sub: River Chase
Mfg / Brand: - H2O 500
Treatment Type: Aerobic
Disposal: Surface Application

Contract Dates: -
Scheduled Date:

Service Type: Repair

Visit Date: 9/3/2019

Entered By: Lisa Bybee

Method: Grab

Technician: Dakota

Aerators: Operational

Filters: Operational

Irrigation Pumps: Operational

Disinfection Device: Operational

Chlorine Supply: Operational

Chlorine Residual: 0.01

Sludge Levels

For Tank 1: N/A

For Tank 2: n/a

For Tank 3: 6

Tank Lid / Riser: Secured

Electric Circuits: Operational

Distribution System: Operational

Sprayfield Veg: Operational

Alarm: Operational

Comments

- Technician Secured the Tank Lid and/or Riser prior to leaving location.
Replaced pump float

RECEIVED

SEP 17 2019

COUNTY ENGINEER

☒ Service Completed

Insp ID #: 117273

Aerobic Services of South Texas
15188 FM 306
Canyon Lake, TX 78133



ENTERED

(830) 964-2365
Fax: (830) 964-2659
www.aerobicservices.com
Permit #: 90448

To: Holly Metz
614 Cambridge
New Braunfels, TX 78132

Tech: Not Assigned
Brand/Mfg.: H20 500 -
System S/N:
Aerator and S/N:

Site: 614 Cambridge, New Braunfels
Agency: Comal County Environmental Health
County: Comal
Subdivision: River Chase

Contract: -
Inspections per year: 3
Service Due:
Alt Phone:
Warranty Ending:
Installed:
Phone: (512) 672-9629
Cell: (714) 785-4818
Work:

Inspection Type: Service

Item	Operational	Inoperative	N/A
Aerator:	<u>/</u>	<u>/</u>	<u>/</u>
Irrigation pump:	<u>/</u>	<u>/</u>	<u>/</u>
Air compressor:	<u>/</u>	<u>/</u>	<u>/</u>
Disinfection device:	<u>/</u>	<u>/</u>	<u>/</u>
Chlorine supply:	<u>/</u>	<u>/</u>	<u>/</u>
Spray field vegetation:	<u>/</u>	<u>/</u>	<u>/</u>
Sprinkler / Drip backwash:	<u>/</u>	<u>/</u>	<u>/</u>
Controls/ Electric Circuits	<u>/</u>	<u>/</u>	<u>/</u>

Air Pressure /
RECEIVED

APR 05 2021

COUNTY ENGINEER

Test Results and observations: (As Required)
Chlorine Residual: 0.05
Test Method: DO
BOD: /
TSS: /
Access Ports Secured YES / NO
Repairs made: YES / NO

Mixed Liquor Aeration 48 - solid
Sludge Levels NA
Clarifier NA
Pump 14

Repairs and Comments:
Needs pumping - Has roots in aeration &
trash tanks
Comp needs rebuild or replaced

Inspector: SETH
Tom Hampton VP
MP349/OS24597

Date: 3-30-21

Area: / 0
GPS:

ID = 61115247

Printed: 3/29/2021

614 Cambridge, New Braunfels

Aerobic Services of South Texas
15188 FM 306
Canyon Lake, TX 78133

ENTERED



Phone: (830) 964-2365
Fax: (830) 964-2659
www.aerobicservices.com

To: Holly Metz
614 Cambridge
New Braunfels, TX 78132

MAILED

Printed: 4/8/2021
Site: 614 Cambridge
New Braunfels, TX 78132
(512) 672-9629

Permit #: **90448**

Customer ID: 61115247

Agency: Comal County Environmental Health Comal County Environmental Health Comal C
County: Comal Sub: River Chase

Contract Dates: -
Scheduled Date:

Mfg / Brand: - H2O 500
Treatment Type: Aerobic
Disposal: Surface Application

Service Type: Repair

Visit Date: 4/7/2021

Entered By: Belinda

Method: Grab

Technician: Dakota

Maint. Provider: Name

Aerators: Operational

Filters: Operational

Irrigation Pumps: Operational

Disinfection Device: Operational

Chlorine Supply: Operational

Tank Lid / Riser: Secured

Electric Circuits: Operational

Distribution System: Operational

Sprayfield Veg: Operational

Alarm: Operational

Comments

- Technician Secured the Tank Lid and/or Riser prior to leaving location.
- Rebuilt kit

☒ **Service Completed**

Insp ID #:130011