

Comal County

OFFICE OF COMAL COUNTY ENGINEER

License to Operate On-Site Sewage Treatment and Disposal Facility

Issued This Date: 08/05/2019 Permit Number: 108377

Location Description: 30806 ACACIA PASS BULVERDE, TX 78163
Subdivision: Acacia Ranch
Unit:
Lot: 6
Block: 1
Acreage:

Type of System: Aerobic Surface Irrigation

Issued to: Jorge Moya & Belen Moya

This license is authorization for the owner to operate and maintain a private facility at the location described in accordance to the rules and regulations for on-site sewerage facilities of Comal County, Texas, and the Texas Commission on Environmental Quality.

The license grants permission to operate the facility. It does not guarantee successful operation. It is the responsibility of the owner to maintain and operate the facility in a satisfactory manner.

Alterations to this permit including, but not limited to:

- Increase in the square feet of living area
- Increase in the number of bedrooms
- A change of use (i.e. residential to commercial)
- Relocation of system components (including the relocation of spray heads)
- Installation of landscaping
- Adding new structures to the system

may require a new permit. It is the responsibility of the owner to apply for a new permit, if applicable.

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

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

Licensing Authority
Comal County Environmental Health

Michael Lopez OS8497
ENVIRONMENTAL HEALTH INSPECTOR

Sandra Ann Hernandez, Asst.
ENVIRONMENTAL HEALTH COORDINATOR OS 0025599

## Comal County Environmental Health OSSF Inspection Sheet

Installer Name: MJ Septic / Mike Long / Joe Peltz OSSF Installer #: \_\_\_\_\_

1st Inspection Date: 7/22/19 2nd Inspection Date: \_\_\_\_\_ 3rd Inspection Date: 8/5/19

Inspector Name: Mike T. Inspector Name: \_\_\_\_\_ Inspector Name: Mike T.

Permit#: 108377 Address: Acacia Ranch / 30806 Acacia Pass Dr.

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)		7/22/19		8/5/19
2	SITE AND SOIL CONDITIONS & SETBACK DISTANCES Setback Distances Meet Minimum Standards	✓	285.91(10) 285.30(b)(4) 285.31(d)				
3	SEWER PIPE Proper Type Pipe from Structure to Disposal System (Cast Iron, Ductile Iron, Sch. 40, SDR 26)	✓	285.32(a)(1)				
4	SEWER PIPE Slope from the Sewer to the Tank at least 1/8 Inch Per Foot	✓	285.32(a)(3)				
5	SEWER PIPE Two Way Sanitary - Type Cleanout Properly Installed (Add. C/O Every 100' &/or 90 degree bends)	✓	285.32(a)(5)				
6	PRETREATMENT Installed (if required) TCEQ Approved List PRETREATMENT Septic Tank(s) Meet Minimum Requirements		285.32(b)(1)(G) 285.32(b)(1)(E)(iii) 285.32(b)(1)(E)(iv) 285.32(b)(1)(F) 285.32(b)(1)(B) 285.32(b)(1)(C)(i) 285.32(b)(1)(C)(ii) 285.32(b)(1)(D) 285.32(b)(1)(E) 285.32(b)(1)(A) 285.32(b)(1)(E)(ii)(II) 285.32(b)(1)(E)(I) 285.32(b)(1)(E)(II)(I)				
7	PRETREATMENT Grease Interceptors if required for commercial		285.34(d)				

MT- 7/22/19  
Tank set, leveled.  
operational ✓  
Ready For Cover.

MT- 8/5/19  
covered

**Comal County Environmental Health  
OSSF Inspection Sheet**

No.	Description	Amended	Citations	Notes	1st Insp.	2nd Insp.	3rd Insp.
8	SEPTIC TANK Tank(s) Clearly Marked SEPTIC TANK If Single Tank, 2 Compartments Provided with Baffle SEPTIC TANK Inlet Flowline Greater than 3" and " T " Provided on Inlet and Outlet SEPTIC TANK Septic Tank(s) Meet Minimum Requirements		285.32(b)(1)(E) 285.91(2) 285.32(b)(1)(F) 285.32(b)(1)(E)(iii) 285.32(b)(1)(E)(ii)(II) 285.32(b)(1)(E)(ii)(I) 285.32(b)(1)(E)(I) 285.32(b)(1)(D) 285.32(b)(1)(C)(ii) 285.32(b)(1)(C)(i) 285.32(b)(1)(B) 285.32(b)(1)(A) 285.32(b)(1)(E)(iv)				
9	ALL TANKS Installed on 4" Sand Cushion/ Proper Backfill Used		285.32(b)(1)(F) 285.32(b)(1)(G) 285.34(b)				
10	SEPTIC TANK Inspection / Clean Out Port & Risers Provided on Tanks Buried Greater than 12" Sealed and Capped		285.38(d)				
11	SEPTIC TANK Secondary restraint system provided SEPTIC TANK Riser permanently fastened to lid or cast into tank SEPTIC TANK Riser cap protected against unauthorized intrusions		285.38(d) 285.38(e)				
12	SEPTIC TANK Tank Volume Installed						
13	PUMP TANK Volume Installed						
14	AEROBIC TREATMENT UNIT Size Installed	/		600	7/22/19		8/15/19
15	AEROBIC TREATMENT UNIT Manufacturer AEROBIC TREATMENT UNIT Model Number	/		ProFlo			
16	DISPOSAL SYSTEM Absorptive		285.33(a)(4) 285.33(a)(1) 285.33(a)(2) 285.33(a)(3)				
17	DISPOSAL SYSTEM Leaching Chamber		285.33(a)(1) 285.33(a)(3) 285.33(a)(4) 285.33(a)(2)				
18	DISPOSAL SYSTEM Evapo-transpirative		285.33(a)(4) 285.33(a)(1) 285.33(a)(2)				

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OSSF 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)(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)				
25	DRAINFIELD Absorptive Drainline 3" PVC or 4" PVC						
26	DRAINFIELD Area Installed						
27	DRAINFIELD Level to within 1 inch per 25 feet and within 3 inches over entire excavation		285.33(b)(1)(A)(v)				
28	DRAINFIELD Excavation Width DRAINFIELD Excavation Depth DRAINFIELD Excavation Separation DRAINFIELD Depth of Porous Media DRAINFIELD Type of Porous Media						
29	DRAINFIELD Pipe and Gravel - Geotextile Fabric in Place		285.33(b)(1)(E)				
30	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)				
31	LOW PRESSURE DISPOSAL SYSTEM Adequate Trench Length & Width, and Adequate Separation Distance between Trenches		285.33(d)(1)(C)(i)				

**Comal County Environmental Health  
OSSF Inspection Sheet**

No.	Description	Answer	Citations	Notes	1st Insp.	2nd Insp.	3rd Insp.
	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)		7/22/19		8/5/19
32	AEROBIC TREATMENT UNIT is Aerobic Unit Installed According to Approved Guidelines.	/	285.32(c)(1)				
33	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	/					
34	AEROBIC TREATMENT UNIT Chlorinator Properly Installed with Chlorine Tablets in Place.	/					
35	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	/		500 gal			
36	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	/					
37	PUMP TANK Secondary restraint system provided	/					
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OSSF Inspection Sheet**

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42	APPLICATION AREA Area Installed	✓					
43	PUMP TANK Meets Minimum Reserve Capacity Requirements						
44	PUMP TANK Material Type & Manufacturer						
45	PUMP TANK Type/Size of Pump Installed						

## Comal County Environmental Health OSSF Inspection Sheet

Installer Name: MT Septic / Mike Long / Joe Perez OSSF Installer #: \_\_\_\_\_

1st Inspection Date: 7/22/19 2nd Inspection Date: \_\_\_\_\_ 3rd Inspection Date: \_\_\_\_\_

Inspector Name: Mike T. Inspector Name: \_\_\_\_\_ Inspector Name: \_\_\_\_\_

Permit#: 108377 Address: Acacia Ranch / 30806 Acacia Pass Dr.

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MT- 7/22/19

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**Comal County Environmental Health  
OSSF Inspection Sheet**

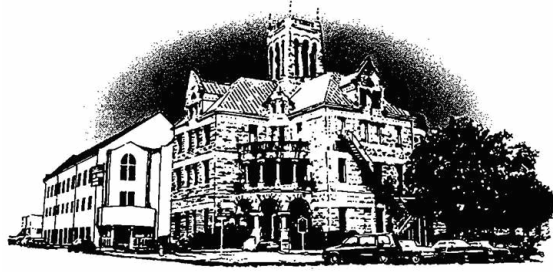
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36	<p>PUMP TANK Is the Pump Tank an approved concrete tank or other acceptable materials &amp; construction</p> <p>PUMP TANK Sampling Port Provided in the Treated Effluent Line</p> <p>PUMP TANK Check Valve and/or Anti- Siphon Device Present When Required</p> <p>PUMP TANK Audible and Visual High Water Alarm Installed on Separate Circuit From Pump</p>	/		500 gal			
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**Comal County Environmental Health  
OSSF Inspection Sheet**

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42	APPLICATION AREA Area Installed						
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44	PUMP TANK Material Type & Manufacturer						
45	PUMP TANK Type/Size of Pump Installed						



# 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: 108377  
Issued This Date: 11/26/2018  
This permit is hereby given to: Jorge Moya & Belen Moya

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

30806 ACACIA PASS  
BULVERDE, TX 78163

Subdivision: Acacia Ranch  
Unit:  
Lot: 6  
Block: 1  
Acreage:

APPROVED MINIMUM SIZES AS PER ATTACHED DESIGN

Type of System: Aerobic  
Surface Irrigation

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

Call (830) 608-2090 to schedule inspections.

OSSF DEVELOPMENT APPLICATION CHECKLIST

Staff will complete shaded

Items Date Received	Initials

Permit Number

Instructions:

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

OSSF Permit

Completed Application for Permit for Authorization to Construct an On-Site Sewage Facility and License to Operate

Site/Soil Evaluation Completed by a Certified Site Evaluator or a Professional Engineer

Planning Materials of the OSSF as Required by the TCEQ Rules for OSSF Chapter 285. Planning Materials shall consist of a scaled design and all system specifications.

Required Permit Fee

Copy of Recorded Deed

Surface Application/Aerobic Treatment System

Recorded Certification of OSSF Requiring Maintenance/Affidavit to the Public

Signed Maintenance Contract with Effective Date as Issuance of License to Operate

RECEIVED  
NOV 16 2018

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

JD Lyons  
Signature of Applicant

9-25-18  
Date

___ COMPLETE APPLICATION	
Check No. _____	Receipt No. _____

___ INCOMPLETE APPLICATION
(Missing Items Circled, Application Refused)

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

APPLICATION FOR PERMIT FOR AUTHORIZATION TO CONSTRUCT AN

ON-SITE SEWAGE FACILITY AND LICENSE TO OPERATE

Date 9-25-18

Permit # 108377

Owner Name Jorge Moya + Belen Moya

Agent Name Hoyt Seidensticker

Mailing Address 31875 Jay Bird Ln.

Agent Address \_\_\_\_\_

City, State, Zip Bulverde Tx 78163

City, State, Zip \_\_\_\_\_

Phone # (210) 264-9811

Phone # 210 4146603

Email Jamoyaframing@yahoo.com

Email hoyt@gut.com

All correspondence should be sent to:  Owner  Agent  Both

Method:  Mail  Email

Subdivision Name Acacia Ranch Unit \_\_\_\_\_ Lot 6 Block 1

Acreage/Legal 5

Street Name/Address 30806 Acacia Pass City Bulverde Zip 78163

Type of Development:

Single Family Residential

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

Number of Bedrooms 4

Indicate Sq Ft of Living Area 4,064

RECEIVED

NOV 16 2018

Commercial or Institutional Facility

(Planning materials must show adequate land area for doubling the required land needed for treatment units and disposal area)

COUNTY ENGINEER

Type of Facility \_\_\_\_\_

Offices, Factories, Churches, Schools, Parks, Etc. - Indicate Number Of Occupants \_\_\_\_\_

Restaurants, Lounges, Theaters - Indicate Number of Seats \_\_\_\_\_

Hotel, Motel, Hospital, Nursing Home - Indicate Number of Beds \_\_\_\_\_

Travel Trailer/RV Parks - Indicate Number of Spaces \_\_\_\_\_

Miscellaneous \_\_\_\_\_

Estimated Cost of Construction: \$ 406,000 (Structure Only)

Is any portion of the proposed OSSF located in the United States Army Corps of Engineers (USACE) flowage easement?

Yes  No (If yes, owner must provide approval from USACE for proposed OSSF improvements within the USACE flowage easement)

Source of Water  Public  Private Well

Are Water Saving Devices Being Utilized Within the Residence?  Yes  No

By signing this application, I certify that:

- The completed application and all additional information submitted does not contain any false information and does not conceal any material facts.
- Authorization is hereby given to the permitting authority and designated agents to enter upon the above described property for the purpose of site/soil evaluation and inspection of private sewage facilities.
- I understand that a permit of authorization to construct will not be issued until the Floodplain Administrator has performed the reviews required by the Comal County Flood Damage Prevention Order.
- I affirmatively consent to the online posting/public release of my e-mail address associated with this permit application, as applicable.

J S Moya  
Signature of Owner

9-25-18  
Date

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

Planning Materials & Site Evaluation as Required Completed By Hoyt Seibert

System Description Aerobic with Spray Distribution

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

Tank Size(s) (Gallons) 800 GPO unit 750 gallon pump tank Absorption/Application Area (Sq Ft) 5887.5

Gallons Per Day (As Per TCEQ Table III) 360

(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: \_\_\_\_\_

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COUNTY ENGINEER

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 Hoyt Seibert

Date 11-7-18



Affidavit to the Public

THE COUNTY OF Comal  
STATE OF TEXAS

CERTIFICATION OF OSSF REQUIRING MAINTENANCE

Before me, the undersigned authority, on this day personally appeared Jorge Moya who, after being, by me, duly sworn, upon oath states that he/she is the owner of record of that certain tract or parcel of land lying and being situated in Comal County County, Texas and being more particularly described as follows:

Legal Description of property is as follows:

Lot 6, Block 1, Acacia Ranch

An OSSF requiring a maintenance contract, according to 30 Texas Administrative Code §285.91(12) will be installed on the property.

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 owners to provide notice to the public that certain types of OSSFs are located on specific pieces of property. To achieve this notice, the commission requires a recorded affidavit. Additionally, the owner must provide proof of the recording to the OSSF permitting authority. This recorded affidavit is not a representation or warranty by the commission of the suitability of this OSSF, nor does it constitute any guarantee by the commission that the appropriate OSSF was installed.

This OSSF must be covered by a continuous service policy 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 may be obtained from (Comal County).

Signed by my/our hand(s) on this 3 Day of October, 2018

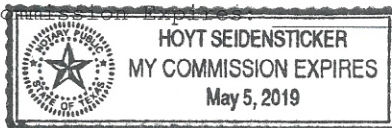
Signature J D Moya

Print Name Jorge Moya

Sworn to and subscribed to before Notary Public, in and for the state of Texas and

WITNESS MY HAND AND OFFICIAL SEAL THIS THE 3 DAY OF Oct, 2018.

Hoyt Seidensticker  
Notary Public, State of Texas  
My Commission Expires



Filed and Recorded  
Official Public Records  
Bobbie Koepf, County Clerk  
Comal County, Texas  
11/16/2018 09:22:54 AM  
LAURA 1 Page(s)  
201806044520



Bobbie Koepf



**MJ Central Texas Septic, LLC**  
**DBA MJ Septic**  
 27552 Old Blanco Road  
 San Antonio, Texas 78260  
 (210) 875-3625 \* (210) 889-4606  
 miseptic@satx.rr.com (email)  
 www.miseptic.com

Aerobic Installation \* Aerobic Maintenance Contracts  
 Real Estate Inspections \* Cleaning/Pumping

Michael J. Long, MP 0001294 Licensed by T.C.E.Q.

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PROPERTY ADDRESS: 30806 Acacia Pass Bulverde TX 78163

COUNTY ENGINEER

The Texas Commission on Environmental Quality (TCEQ) require 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 contract, MJ Septic will offer a continuation of your maintenance contract 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 2-year initial contract. For a new single family dwelling, this is the date of installation, required by state guidelines dated June 13, 2001. For an existing single family dwelling, this is the date the notice of approval is issued by your permitting authority. The effective date of this maintenance contract shall be the date the LTO (license to operate) is issued.

MJ Septic will address all major concerns/complaints (excluding weekends & holidays) within 72 hours from the initial point of contact with homeowner(s).

- **The annual fee on your contract includes the following:** an inspection every four months (three times annually) which include inspecting the mechanical, electrical and other applicable components to ensure proper function. The annual fee does not include any parts, cleaning/pumping, chlorine/bleach (tablets or liquid), additional service calls or additional testing that may be required by any regulating authority. If for any reason, we are unable to obtain access to your property or system to perform a service check, you may be charged a \$75 service call for re-scheduling. It is very important that we have all proper gate codes, combination locks etc. to inspect your system.
- **Repairs I:** If repairs or replacement of parts is needed during routine inspection, we will try to contact the homeowner for approval if we are able to repair onsite. If we are unable to repair/replace parts onsite, client will be notified via email and/or USPS that repairs/replacement of parts is needed. All MAJOR part replacements come with a 2-year warranty (see notes below). There will be a \$75 warranty credit fee assessed on all parts. Warranted items will only be honored when a valid maintenance contract is in effect with MJ Septic. If the contract has a lapse, ALL WARRANTED items are VOIDED.
- **Repairs II:** For ATU's under initial installation warranty (2 years from initial installation date) if warranted items are required to be replaced within 30 days of installation, part will be replaced with no fees, after 30 days there will be a \$75 warranty credit fee assessed on all parts. Warranted items will only be honored when a valid maintenance contract is in effect with MJ Septic.
- **Additional Service Calls/Charges:** If a service call is required by homeowner/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 at our discretion. These calls include but are not limited to the following: red light alarms, high water alarms, chlorinator checks, leaky airlines, timer adjustments, spray head adjustments and system power failure.
- **Chlorine:** The property owner is responsible for maintaining the chlorine supply. TCEQ regulation requires proper chlorination. For liquid chlorinators, homeowners are to add 2-3 gallons of liquid chlorine/bleach per month. (if the chlorinator is completely empty, DO NOT add more than 3 1/2 gallons of liquid chlorine/bleach at a time) For tablet chlorinators, homeowners can purchase Calcium Hypochlorite tablets at their local Home Depot or Lowe's. **DO NOT USE POOL TABLETS (this can cause a volatile reaction)**
- **Cleaning/Pumping:** The cleaning/pumping of your ATU is not included in your maintenance contract. We always recommend pumping between 10-12" of sludge. \*A typical/average household will need to have their system pumped every 2-5 years; this all depends on usage and will vary per household\*
- **Transfer of Property/Ownership:** The fee of this maintenance contract is non-refundable, however is fully transferrable to the new owner(s). If this policy is sold within the contract period, the signing party is responsible for all repairs unless the new homeowner(s) information is provided before repairs are made and transfer contract is signed (by new homeowner) and returned to us. The new homeowner(s) will be required to meet for a walk-through orientation with one of our technicians during their first visit of their transfer contract. **RENTAL HOMES:** The PROPERTY OWNER is responsible for all fees associated with this contract. Renters will be required to have a walk-through orientation during their first visit to ensure proper usage, etc.
- **Altering the system:** Do not allow alteration to any part of the system or sprinkler head locations. Alterations would put the system out of compliance and would cause the property owner additional expense to bring the system back into compliance. Any use of another company to make repairs to the system will violate any warranties and be considered as a breach of this maintenance contract. If client chooses to purchase and use their own parts, MJ Septic will not install nor work on these parts.
- **Violations of Warranty:** Violations of the warranty include but are not limited to the following: turning off your system at any time, disconnecting the alarm; restricting airflow to the Air Compressor, overloading the system above its daily rated capacity, introducing excessive amounts of harmful matter (including harsh chemicals, cleaners, antibiotics, etc.) into the system or any other harmful usage of your OSSF/ATU. Refusing to Clean/Pump Out Septic when recommended and/or replacing necessary parts as needed. Necessary treatment of onts. Homeowner must keep grass, weeds and plants trimmed and clear of tank access points, control panel, Air Compressor, etc. Moving sprinkler lines without proper documentation, etc. Building over septic tank, lids, etc.
- **Terms of Payment:** Payment is due in full for the maintenance contract at time of signing. Payment for parts, repairs, cleaning/pumping, service calls, etc. are due prior to or at time of service, unless otherwise specifically noted. If payment is not received within ten (10) business days of service date, a 1.5% finance charge will be assessed per month. If payment is delinquent, your next service check/maintenance contract may be cancelled. If payment is more than 90 days past due, contract will be cancelled and we will send to collections.
- **Maintenance Tips/Owner Guide:** Please read the attached Maintenance Tips/Owner Guide. Following these easy steps can help prevent unnecessary and avoidable expenses to the homeowner(s). Please initial here that you've received a copy of this document: JJ4 (keep the maintenance tips/guide for your reference)

CIRCLE ONE CHOICE BELOW

Contract Verified (office use only) \_\_\_\_\_

1 YEAR	2 YEAR	3 YEAR	2 YEAR INITIAL Included in Installation	Paid in Full at Sign Up, Non-Refundable, Does Not Include Additional Charges Noted Above. Homeowner(s) are NOT required to be present at inspections. They will receive phone call notification the day of service and a door hanger will be left if no one is home. Reports emailed/mailed within a few business days.
\$285	\$530	\$675		

**Acceptance of Maintenance Contract:** The above prices, specifications, 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 agree to the maintenance contract guidelines stated above and have also read and agree to comply with the Maintenance Tips/Owner Guide.

Accepted by Signature: J.A. Maye Printed Name: Jorge A Maye Email: Jamoyaframing@yahoo.com

Phone Numbers: (Home) \_\_\_\_\_ (Mr. Cell) (210) 264 9811 (Mrs. Cell) \_\_\_\_\_ (Work) \_\_\_\_\_

Subdivision: Acacia Ranch # of Occupants in Home: 6 Gate Codes/Combination Locks, etc. N/A Biting Dogs: N/A  
 (MJ Septic will assess a \$75 service fee if we are not notified of gate code changes, biting dogs, etc.)

MJ Central Texas Septic, LLC Authorized Signature: Stephanie E. Perez Date: \_\_\_\_\_

ON-SITE SEWAGE FACILITY  
Site Evaluation Report Information

Date: 10/9/2018

**Site Evaluator Information:**

**Applicant Information:**

Name: Jorge and Belen Moya

Address: 31875 Jay Bird Lane

City: Bulverde State: Texas

Phone: 210-264-9811

Zip: 78132

Name: Hoyt Seidensticker

License # OS0008771 Expires 8/31/2020

Company: Land Stewardship Services, LLC

Address: 1822 FM 473

City: Boerne State: Texas Zip: 78006

Phone: (210) 414-6603 Fax: (830) 336-4697

**Property Location:**

Lot: 6 Block: 1 Sub.: Acacia Ranch

Street/Road Address: 30806 Acacia Pass

City: Bulverde State: Texas

Unincorporated Area? Y or N

Additional information

Name: Michael Long

License OS0023596

Company: MJ Central Texas Septic

Address: 27552 Old Blanco Road

City: SA State: Texas Zip: 78260

Phone: (210) 387-0025 Fax: \_\_\_\_\_

**Installer information:**

**Schematic of Lot or Tract**

**Show:**

Compass North, adjacent streets, property lines, property lines, property dimensions, location of buildings, easements, water lines, and other surface improvements where known (drainage, patios, sidewalks).

Location of existing or proposed water wells within 150 feet of property.

Indicate slope or show contour lines from the structure to the farthest location of the proposed soil absorption or irrigation area.

Location of soil borings or dug pits (show location with respect to a known reference point).

Location of natural, constructed, or proposed drainage ways, (streams, ponds, lakes, rivers, high tide of salt water bodies) water impoundments areas, cut or fill bank, sharp slopes and breaks.

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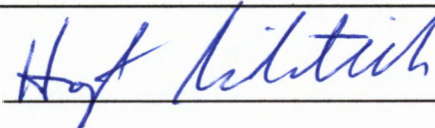
**SITE DRAWING**

Lot Size: \_\_\_\_\_ acres

COUNTY ENGINEER

SEE ATTACHED

Signature of Site Evaluator



Site Evaluator License No: OS0008771

# ON-SITE SEWAGE FACILITY Soil Evaluation Report Information

Date Soil Survey Performed: 10/3/2018

Site Location: 30806 Acacia Pass

Name of Site Evaluator: Hoyt Seidensticker Registration Number: OS0008771

Proposed Excavation Depth: n/a County: Comal

**Requirements:**

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

Soil Boring Number <u>1</u>						
Depth (feet)	Texture Class	Soil Structure	Gravel Analysis	Drainage (Redox Features/ Water Table)	Restrictive Horizon	Observations (color, consistence)
0 _____	III	LOAM	<30%	none	yes, rock	BROWN
1 _____						
2 <u>20 in</u>		rock				
3 _____						
4 _____						
5 _____						
Soil Boring Number <u>2</u>						
Depth (feet)	Texture Class	Soil Structure	Gravel Analysis	Drainage (Redox Features/ Water Table)	Restrictive Horizon	Observations (color, consistence)
0 _____	III	LOAM	<30%	none	yes, rock	BROWN
1 _____						
2 <u>20 in</u>		rock				
3 _____						
4 _____						
5 _____						

### Features of Site Area

- Presence of 100 year flood zone Yes \_\_\_ No x
- Presence of adjacent ponds, streams, water improvements Yes \_\_\_ No x
- Existing or proposed water well in nearby area Yes x No \_\_\_
- Organized sewage service available to lot or tract Yes \_\_\_ No x
- Recharge feature within 150 feet Yes \_\_\_ No x

By my signature, I hereby certify that the information provided in this report is based on my site observations and are accurate to the best of my ability.

I understand that any misrepresentation of the information contained in this report may be grounds to revoke or suspend my license. The site evaluation determined the site is suitable for a Spray Distribution disposal system with Aerobic treatment

According to table XIII, the site is suitable for this proposed system. A copy of Tables IX and XIII have been given to the property owner to inform them of other alternatives based upon the result of this site evaluation

Hoyt Seidensticker  
Signature of Site Evaluator

11-7-18  
Date

7/26/2019

6:03 PM

Aerobic with Spray  
Distribution System

# ON-SITE SEWAGE FACILITY DESIGN CRITERIA JORGE and Belen MOYA

**REVISED**  
8:44 am, Jul 29, 2019

108377

### Property Information:

St. Address: 30806 Acacia Pass  
City: Bulverde State: Texas  
Zip code: 78132

### Predicted Quantity of Sewage (Q)

Water Saving Devices in Home (y/n): YES  
Gallons/day (Q): 360  
Greywater included (yes/no): YES

### Rate of Adsorption (Ra)

Application rate (g/sq. ft): 0.064  
Minimum Adsorptive Area (sq. ft.): 5625

### Aerobic Unit

Required size of aerobic unit: 600 gpd  
Pretreatment Tank (gallons): 771  
Class 1 Aerobic Unit: Pro Flo 800 PTSL  
Pump tank total capacity (gal): 750  
Chlorination: Liquid installed in Tank  
Pump Switch operation: Float system  
Dosing cycle quantity (gals): Varied  
Cycling time: night time  
Pump size and capacity: Schaefer E-Series 20 GPM

### House Information

Number of Bedrooms: 4  
Sq. footage (Approx.): 4064  
Water Supply: well

### Supply Line from House

Length of supply line (approx. ft): 20  
Type of supply line: SCH 40 PVC  
Size of Supply line (in): 3 or 4

### Supply Line For Spray Irrigation System

Length of supply line (approx. ft): 122  
Type of supply line: Purple SCH 40  
Size of supply line (in): 1

### Disposal Area per this System

$$\pi (25)^2 = 1962.5$$
$$\pi (25)^2 = 1962.5$$
$$\pi (25)^2 = 1962.5$$

Total irrigated area (sq. ft.): 5887.5

All design criteria is in accordance with TCEQ, Title 30, TAC Chapter 285, Subchapter D, On-Site Sewage Facilities (Effective December 27, 2012). The above design was based on the best available information and should function properly under normal operating conditions.

All changes or modifications made to design must be approved by the below signed designer.

Hoyt Seidensticker, R.S. No. 3588

Land Stewardship Services, LLC, 27115 Bent Trail, Boerne, Texas 78006

Cell (210) 414-6603,

7-26-19

Date



Effective Immediately: If any change(s) are made that require a revision to this design, a \$150.00 fee will be assessed. This includes, but not limited to, change(s) in the house size, number of bedrooms, location of house or one type of system to another.

7/26/2019

6:03 PM

Aerobic with Spray  
Distribution System

# ON-SITE SEWAGE FACILITY

## DESIGN CRITERIA

JORGE and Belen MOYA

**REVISED**

8:44 am, Jul 29, 2019

### Head Pressure

Elevation Head:	<u>4</u>
Pressure Head:	<u>92</u>
Friction Head:	<u>4.88</u>
Total head:	<u>100.9</u>

### Sprinkler Head Information

K-Rain sprinkler head PROPLUS,	
low angle nozzle	
No. 3 @40psi	GPM: <u>3.1</u>
Number of sprinkler heads:	<u>3</u>
Gallons per minute:	<u>9.3</u>

A class 1 aerobic wastewater treatment unit, chlorination and spray distribution system will be designed for this location. Wastewater from the residence will flow to a pretreatment/trash tank, then to the treatment unit. Treated effluent will be disinfected by a NG 300 V Chlorine Dispenser Unit in the pump tank, before being disposed of through above ground sprinkler heads.

All warning systems shall be installed with the aerobic unit

Land acceptable for surface application shall have a flat terrain (with less than or equal to 15% slope). Sloped land (with greater than 15% slope) may be acceptable if it is properly landscaped and terraced to minimize runoff. There shall be nothing in the surface application area within ten feet of the sprinkler which would interfere with the uniform application of the effluent.

Areas that rock is exposed must be covered with a suitable amount of material acceptable to the inspecting authority. Areas that are bare or have been disturbed must be seeded or sodded with a mixture of rye and bermuda grasses or other grass species prior to system operation.

A maintenance contract for the entire system must be established at time of installation with someone holding a license to maintain the installed aerobic system.

At every inspection a Total Chlorine Residual test must be conducted and must be a minimum acceptable test of .1 mg/l residual in Pump Tank.

All design criteria is in accordance with TCEQ, Title 30, TAC Chapter 285, Subchapter D, On-Site Sewage Facilities (Effective December 27, 2012). The above design was based on the best available information and should function properly under normal operating conditions.

All changes or modifications made to design must be approved by the below signed designer.

Hoyt Seidensticker, R.S. No. 3588

Land Stewardship Services, LLC, 27115 Bent Trail, Boerne, Texas 78006

Cell (210) 414-6603,

7-26-19

Date



**REVISED**

8:44 am, Jul 29, 2019

Scale 1" = 100'



# Site Map

## Aerobic with Spray Distribution System

### Jorge and Belen Moya

### Lot: 6 Blk. 1

### Acacia Ranch Subdivision

### 30806 Acacia Pass

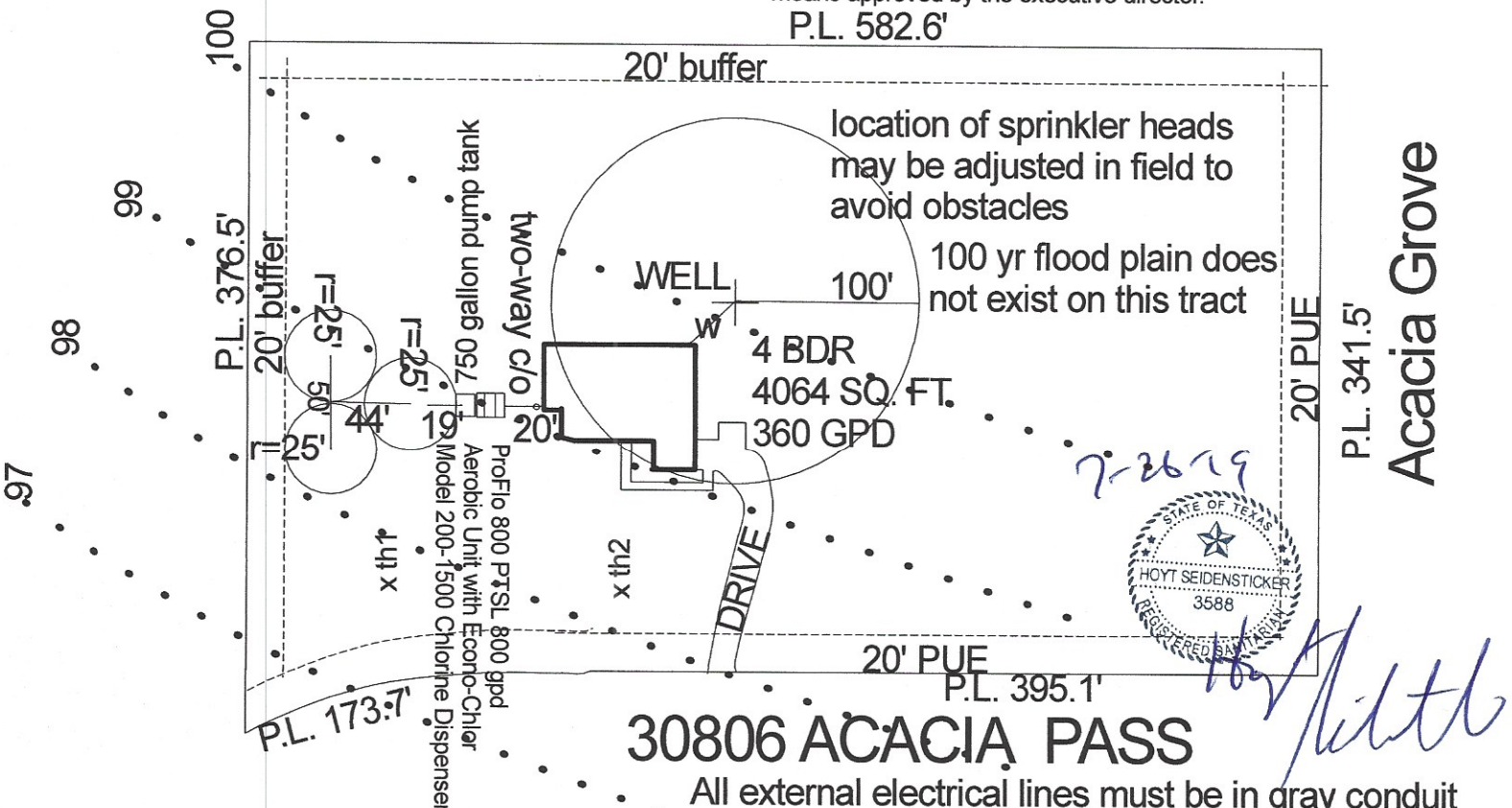
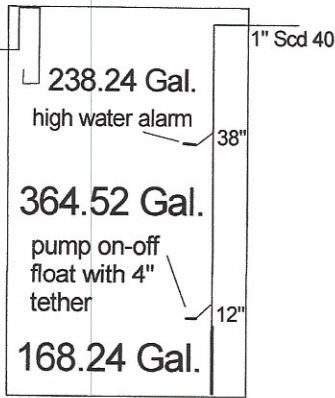
### Bulverde, Texas 78163

### Comal County

This design complies with all provisions of the existing Contributing Zone Plan and there is not a recharge feature within 150' of the proposed septic system.

Risers must be permanently fastened to the tank lid or cast into the tank. The connection between the riser and the tank lid must be watertight. Risers must be fitted with removable watertight caps and protected against unauthorized intrusions by either a padlock, a cover that can be removed with specialized tools, a cover having a minimum net weight of 29.5 kilograms (65 pounds) set into a recess of the tank lid, or any other means approved by the executive director.

P.L. 582.6'



## 30806 ACACIA PASS

- All external electrical lines must be in gray conduit
- There shall be nothing in the surface application area within ten feet of the sprinkler which would interfere with the uniform application of the effluent

Surface application should be done between the hours of 12:00 midnight and 5:00 a.m.

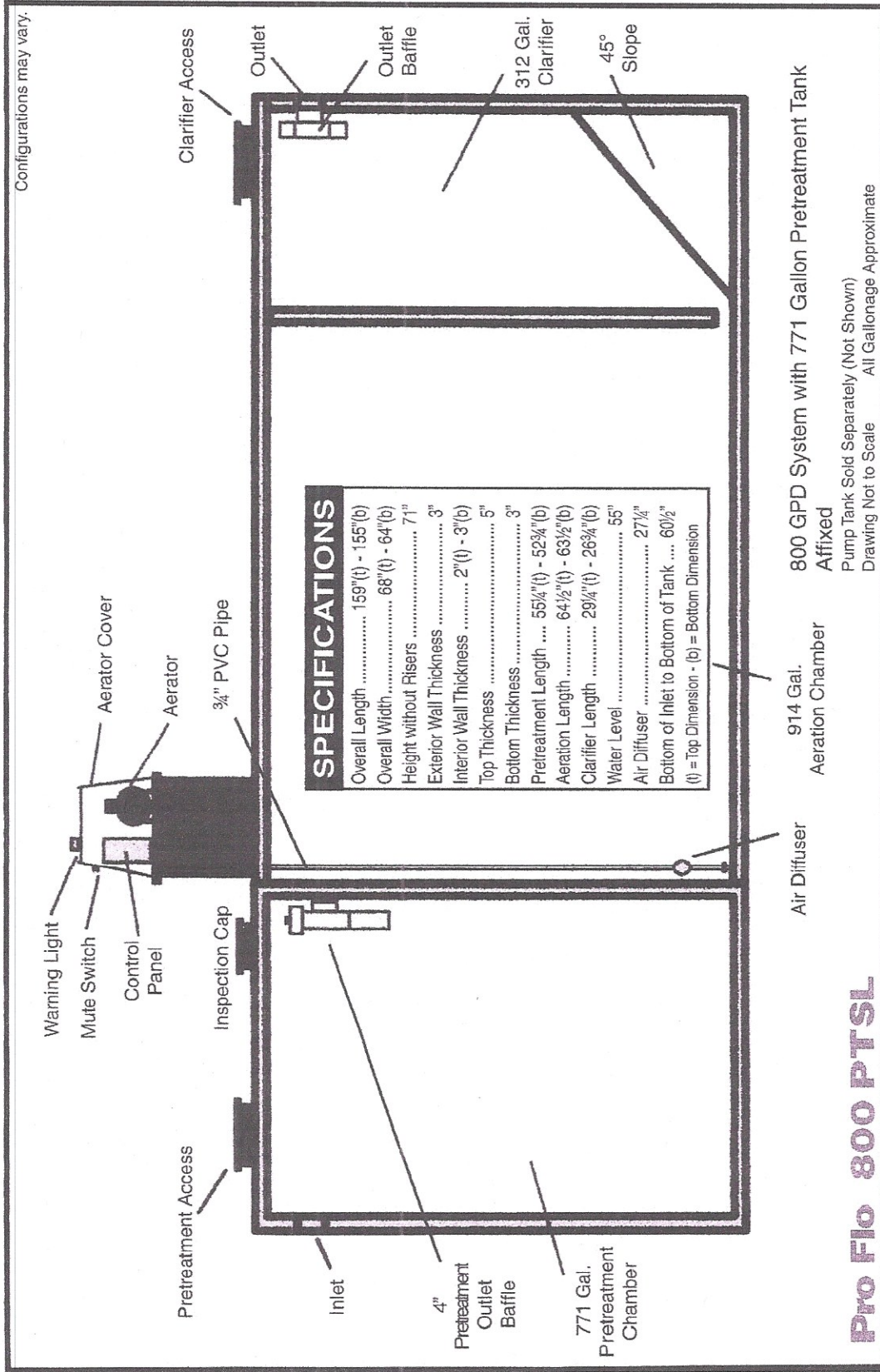
Land acceptable for surface application shall have a flat terrain (less than to equal to 15% slope). Sloped land (with greater than 15% slope) may be acceptable if it is properly landscaped and terraced to minimize runoff.

Areas that rock is exposed must be covered with a suitable amount of material. Areas that are bare or have been disturbed must be seeded or sodded with a mixture of rye and bermuda grasses or other grass species prior to system operation.

Acacia Grove

**SYSTEM OWNER'S MANUAL**

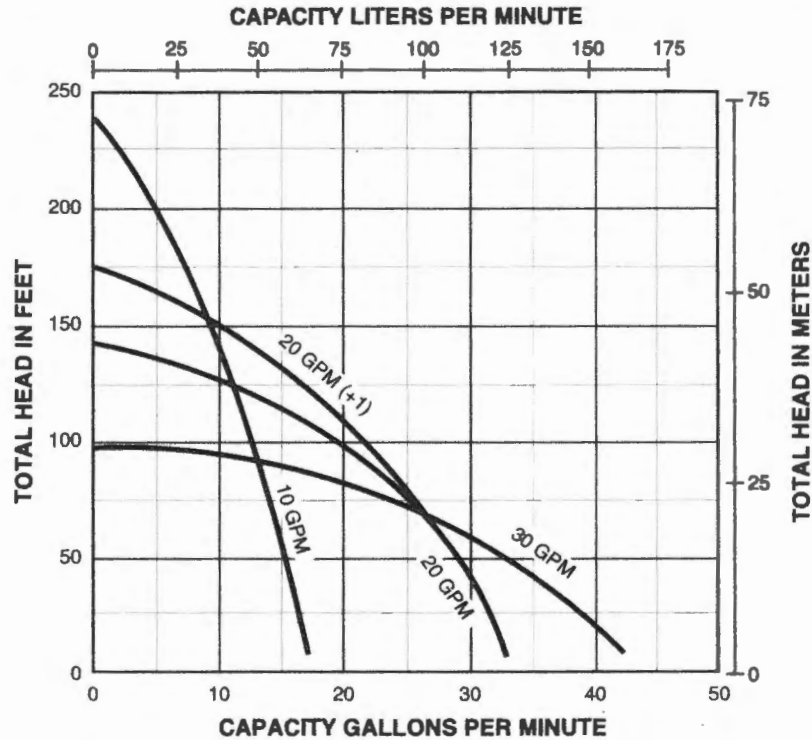
**Pro Flo 800 PTSL System Diagram**





# 4" multi-stage submersible pump

## PUMP PERFORMANCE



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**PUMP PERFORMANCE** (Capacity in Gallons per Minute)

Pump Model	Flow Rate (GPM)	PSI											
		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	
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					
20DOM05121	20			30.0	26.0	21.5	14.2	4.4					
30DOM05221	30		38.5	33.3	25.8	16							
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 PERFORMANCE** (Capacity in Liters per Minute)

Pump Model	Flow Rate (LPM)	Bar											
		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		
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						
20DOM05121	75.7		113.6	98.4	81.4	53.7	16.7						
30DOM05221	113.55	145.7	126.0	97.7	60.6								
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				





# 4" multi-stage submersible pump



This product is Listed to UL Standards for Safety by Underwriters Laboratories Inc. (UL).



**The STEP Plus™ D Series 4" submersible pump in 10, 20 and 30 GPM models dominate with superior "DRAW-DOWN" capability.**

**The STEP Plus™ D Series 4" submersible pump dominates with reduced AMP DRAW.**

**The STEP Plus™ D Series 4" submersible pump dominates with COOLER and QUIETER operation.**

### APPLICATIONS

- **Clean and Gray Water...** for residential, commercial, and agricultural use.

### SPECIFICATIONS

**Motor** – Available in 115 or 230 volt versions. Dry-wound, double ball-bearing, double-seal and thermal overload protected, UL and CSA approved.

**Shell** – Stainless steel (300 grade)

**Discharge** – Fiberglass-reinforced thermoplastic

**Discharge Bearing** – Nylatron®

**Impellers** – Acetel

**Diffusers** – Polycarbonate

**Suction Caps** – Polycarbonate with stainless steel wear ring

**Thrust Pads** – Proprietary spec.

**Shaft and Coupling** – Stainless steel 300 grade

**Intake** – Fiberglass-reinforced thermoplastic

**Intake Screen** – Stainless steel

**Jacketed Cord** – 600 Volt "SJOW" jacketed 10' leads, 2-wire with ground

**Agency Listing** – UL and CSA

### ORDERING INFORMATION

Catalog Number	HP	Max. Load Amps	Volts	Phase/Cycles	Cord Length	Pallet Quantity	Weight (Lbs.)
10DOM05221	1/2	5.5	230	1/60	10'	80	16
10DOM05121	1/2	11.0	115	1/60	10'	80	16
20DOM05221	1/2	4.6	230	1/60	10'	80	16
20DOM05121	1/2	9.5	115	1/60	10'	80	16
30DOM05221	1/2	4.6	230	1/60	10'	80	16
30DOM05121	1/2	9.5	115	1/60	10'	80	16
20DOM05221+1	1/2	5.3	230	1/60	10'	80	16
20DOM05121+1	1/2	10.6	115	1/60	10'	80	16

Nylatron® is a registered trademark of Polymer Corp. SignaSeal™ and STE.P. Plus™ are trademarks of WICOR Industries.

In order to provide the best products possible, specifications are subject to change.

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**STE.P Plus** NOV 16 2018  
**D SERIES** COUNTY ENGINEER

### FEATURES

**STE.P. Plus DOMINATES with a...**

**Patented Stage System** – The proven SignaSeal™ staging system utilizes a patented ceramic wear surface. When incorporated with STA-RITE's "true" independent floating impellers, dominates with 1st-in-class performance, superior sand handling, and a thrust management staging system with industry exclusive "dry-run" capabilities.

**Superior "draw-down" capability** –

The STE.P. Plus Dominates in this class with the lowest draw-down of 4-1/2" (a standard 4" NEMA submersible only draws-down to 13-1/2").

**Reduced amp draw** – The STE.P. Plus Dominates in this class with less energy consumption – over 25% less amp draw (9.5 amps vs. 12.7 amps, 115 volt) than a 4" NEMA submersible, reducing operating costs and extending the service life of float switch contacts.

**Cooler and quieter operation** –

The STE.P. Plus Dominates by using the pumped liquid to cool the motor as it passes over the motor. The water passing over the motor dampens the motor noise, eliminating expensive "flow-inducer sleeves" required when using a standard 4" NEMA submersible.

**Impellers** – Precision molded for perfect balance... ultra smooth for the highest performance and efficiency. Allows for .080" solids.

**Shaft** – Positive drive, hexagonal 7/16" – 300-grade stainless steel shaft offers generous impeller drive surfaces.

**Shaft bearing** – Exclusive self-lubricating Nylatron® bearing resists wear surface from sand and abrasives.

**Shell** – Heavy-walled, corrosion resistant 300-grade stainless steel.

# PROPLUS™

The **PROPLUS™** adjustable arc and full-circle gear driven rotor comes standard with nine numerically coded interchangeable nozzles. Excellent nozzle performance delivers an exceptional fall out pattern. In independent testing by C.I.T., the **PROPLUS™** delivered up to 90% uniform coverage.

**Also Available:** 12" High Pop, Shrub Head and Reclaimed Water models.

Tough, proven and advanced, the **PROPLUS™** is the leader in it's class. Set it and forget it. Arc Memory Clutch returns the rotor to its preset position. Technology works for you.

## MODELS

- 11003** ProPlus
- 11003-HP** ProPlus 12" High Pop
- 11003-SH** ProPlus Shrub Head

OTHER OPTIONS: ADD TO PART NUMBER

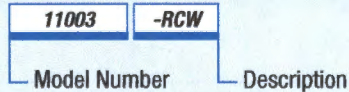
- CV** Check Valve
- LA** Low Angle Nozzle
- NN** No Nozzle
- RCW** ProPlus for Reclaimed Water w/Low Angle Nozzle

## EASY ARC SETTING

Arc Selection 40° to Continuous 360°  
Adjust From Left Start



### HOW TO SPECIFY



**K-Rain Manufacturing Corp.**  
1640 Australian Avenue  
Riviera Beach, FL 33404 USA  
+1 561 844-1002  
FAX: +1 561 842-9493  
**1.800.735.7246 | www.krain.com**

## SPECIFICATIONS

- ▶ Inlet: 3/4" Threaded NPT
- ▶ Arc Adjustment Range: 40° to Continuous 360°
- ▶ Flow Range: .5 - 10.0 GPM
- ▶ Pressure Rating: 20 - 70 PSI
- ▶ Precipitation Rate: .06 to .50 Inches Per Hour (Depending on Spacing and Nozzle Used)
- ▶ Overall Height (Popped Down): 7 1/2" / 17" for High Pop
- ▶ Recommended Spacing: 28' to 44'
- ▶ Radius: 22' to 50'
- ▶ Nozzle Trajectory: 26°
- ▶ Low Angle Nozzle Trajectory: 12°
- ▶ Standard and Low Angle Nozzle: Included
- ▶ Riser Height: 5"

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## PERFORMANCE DATA

PERFORMANCE			
NOZZLES	PRESSURE PSI	RADIUS FT.	FLOW GPM
#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
#2.5 PRE-INSTALLED	30	38'	2.5
	40	39'	2.8
	50	40'	3.2
	60	41'	3.5
#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

## COUNTY ENGINEER

METRIC					
NOZZLES	PRESSURE KPA	BARS	RADIUS METERS	FLOW L/M	M3/H
#0.5	206	2.0	8.5	1.89	.11
	275	3.0	8.8	2.27	.14
	345	3.5	8.8	2.65	.16
	413	4.0	9.1	3.03	.18
#0.75	206	2.0	8.8	2.65	.16
	275	3.0	9.1	3.03	.18
	345	3.5	9.4	3.41	.20
	413	4.0	9.8	3.79	.23
#1	206	2.0	9.8	4.92	.30
	275	3.0	10.1	5.68	.34
	345	3.5	10.4	6.05	.36
	413	4.0	10.7	6.81	.41
#2	206	2.0	11.3	9.08	.54
	275	3.0	12.2	9.46	.56
	345	3.5	12.8	11.35	.68
	413	4.0	13.1	12.49	.75
#2.5 PRE-INSTALLED	206	2.04	11.6	9.46	.57
	275	2.72	11.9	10.60	.64
	345	3.40	12.2	12.11	.73
	413	4.08	12.5	13.25	.79
#3	206	2.0	11.6	13.63	.81
	275	3.0	11.9	15.89	.95
	345	3.5	12.5	17.41	1.04
	413	4.0	12.8	18.92	1.13
#4	206	2.0	13.1	16.65	.99
	275	3.0	13.4	19.30	1.15
	345	3.5	14.0	21.19	1.27
	413	4.0	14.9	22.33	1.33
#6	206	3.0	13.7	22.33	1.33
	275	3.5	14.0	22.71	1.36
	345	4.0	14.6	23.85	1.43
	413	5.0	14.9	25.35	1.52
#8	206	3.0	12.8	30.28	1.81
	275	3.5	13.7	32.12	1.92
	345	4.0	14.8	35.95	2.15
	413	5.0	15.3	37.85	2.27

## LOW ANGLE DATA

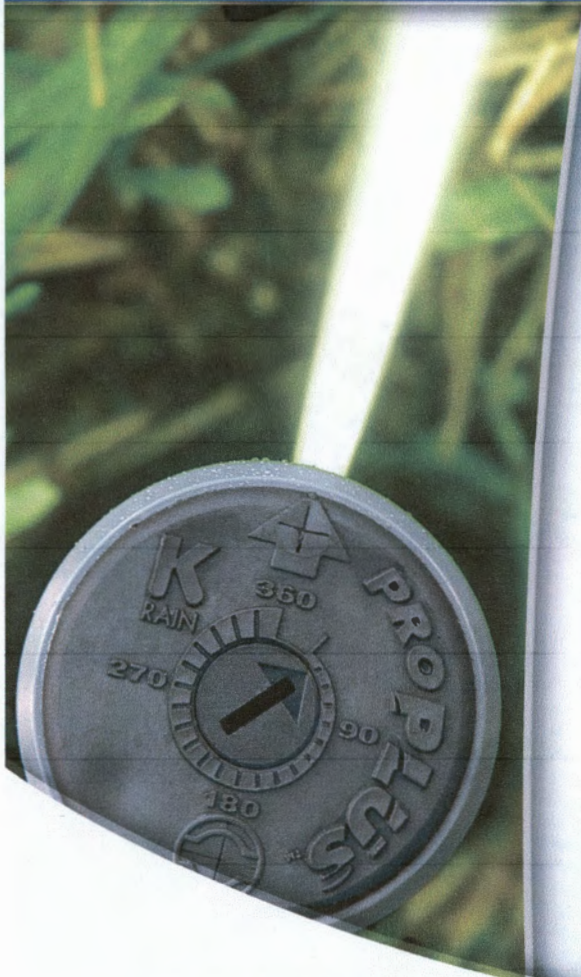
NOZZLES	PRESSURE PSI	RADIUS FT.	FLOW GPM
#1	30	22'	1.2
	40	24'	1.7
	50	26'	1.8
	60	28'	2.0
#3	30	29'	3.0
	40	32'	3.1
	50	35'	3.5
	60	37'	3.8
#4	30	31'	3.4
	40	34'	3.9
	50	37'	4.4
	60	38'	4.7
#6	40	38'	6.5
	50	40'	7.3
	60	42'	8.0
	70	44'	8.6

## METRIC

NOZZLES	PRESSURE KPA	BARS	RADIUS METERS	FLOW L/M	M3/H
#1	207	2.04	6.71	4.54	.27
	275	2.72	7.32	6.43	.39
	344	3.40	7.92	6.80	.41
	413	4.08	8.53	7.56	.46
#3	207	2.04	8.84	11.34	.68
	275	2.72	9.75	11.72	.71
	344	3.40	10.67	13.23	.80
	413	4.08	11.58	14.36	.87
#4	207	2.04	9.45	12.85	.78
	275	2.72	10.36	14.74	.89
	344	3.40	11.28	16.63	1.00
	413	4.08	11.58	17.77	1.07
#6	275	2.72	11.58	24.57	1.48
	344	3.40	12.19	27.59	1.76
	413	4.08	12.80	30.24	1.82
	482	4.76	13.41	32.51	1.96

Data represents test results in zero wind. Adjust for local conditions.  
Radius may be reduced with nozzle retention screw.

# PROPLUS™



**The ProPlus™ is packed with features that ensure reliability, saving the installer time, money and needless frustration.**

- ▶ **Revolutionary Patented Easy Arc Set** – Simplified arc set allows for wet or dry adjustment in seconds.
- ▶ **5" Riser** – Perfect for grasses with thick thatch.
- ▶ **3/4" Inlet** – Replaces all standard rotors.
- ▶ **2N1 Adjustable or Continuous Rotation** – Provides a full range adjustment from 40° to a continuous full circle.
- ▶ **Patented Arc Set Degree Markings** – Clearly indicates the current watering pattern and simplifies arc set adjustment.
- ▶ **Arc Memory Clutch** – Prevents internal gear damage and returns rotor to its prior setting automatically if nozzle turret is forced past its stop.
- ▶ **Time Proven Patented Reversing Mechanism** – Assures continuous reverse and return...over a 20 year history.
- ▶ **Ratcheting Riser** – Allows for easy adjustment of your left starting position with a simple turn of the riser.
- ▶ **Rubber Cover** – Seals out dirt and increases product durability.
- ▶ **Wide Selection of Nozzles** – Including standard and low angle, provides flexibility in system design.
- ▶ **Optional Check Valve** – Prevents low head drainage.



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**K**  
RAIN®

**IRRIGATION SOLUTIONS  
WORLDWIDE™**

\*\*\* COMAL COUNTY ENVIRONMENTAL HEALTH \*\*\*  
APPLICATION FOR PERMIT TO CONSTRUCT AN ON-SITE SEWAGE FACILITY THORIZATION TO CONSTRUCT AN AND LICENSE TO OPERATE

**VOID**

Planning Materials & Site Evaluation as Required Completed By Hoyt Seibert

System Description Aerobic with Spray Distribution

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

Tank Size(s) (Gallons) 600 GPD unit Absorption/Application Area (Sq Ft) 5887.5

Gallons Per Day (As Per TCEQ Table III) 360

(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: \_\_\_\_\_

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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

Hoyt Seibert

Date

11-7-18

Page 2 of 2

11/7/2018  
5:33 AM  
Aerobic with Spray  
Distribution System

# ON-SITE SEWAGE FACILITY DESIGN CRITERIA

JORGE and Belen MOYA

**VOID**

### Property Information:

St. Address: 30806 Acacia Pass  
City: Bulverde State: Texas  
Zip code: 78132

### Predicted Quantity of Sewage (Q)

Water Saving Devices in Home (y/n): YES  
Gallons/day (Q): 360  
Greywater included (yes/no): YES

### Rate of Adsorption (Ra)

Application rate (g/sq. ft): 0.064  
Minimum Adsorptive Area (sq. ft.): 5625

### Aerobic Unit

Required size of aerobic unit: 600 gpd  
Pretreatment Tank (gallons): 397  
Class 1 Aerobic Unit: ProFlo 5060HCSP  
Pump tank total capacity (gal): 768  
Chlorination: liquid chlorinator in pump tank  
Pump Switch operation: \_\_\_\_\_  
Dosing cycle quantity (gals): \_\_\_\_\_  
Cycling time: night time  
Pump size and capacity: Sta-rite plus D series  
20 gpm

**VOID**

### House Information

Number of Bedrooms: 4  
Sq. footage (Approx.): 4064  
Water Supply: well

### Supply Line from House

Length of supply line (approx. ft): 20  
Type of supply line: SCH 40 PVC  
Size of Supply line (in): 3 or 4

### Supply Line For Spray Irrigation System

Length of supply line (approx. ft): 146  
Type of supply line: Purple SCH 40  
Size of supply line (in): 1

### Disposal Area per this System

$\pi (25)^2 = 1962.5$   
 $\pi (25)^2 = 1962.5$   
 $\pi (25)^2 = 1962.5$

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Total irrigated area (sq. ft.): 5887.5  
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All design criteria is in accordance with TCEQ, Title 30, TAC Chapter 285, Subchapter D, On-Site Sewage Facilities (Effective December 27, 2012). The above design was based on the best available information and should function properly under normal operating conditions.

All changes or modifications made to design must be approved by the below signed designer.

Hoyt Seidensticker

Hoyt Seidensticker, R.S. No. 3588

Land Stewardship Services, LLC, 1822 FM 473, Boerne, Texas 78006

Cell (210) 414-6603, Fax (830) 336-4697

11-7-18

Date



Effective Immediately: If any change(s) are made that require a revision to this design, a \$75.00 fee will be assessed. This includes, but not limited to, change(s) in the house size, number of bedrooms, location of house or one type of system to another.

11/7/2018

5:33 AM

Aerobic with Spray  
Distribution System

# ON-SITE SEWAGE FACILITY

**VOID**

## CRITERIA

JORGE and Belen MOYA

### Head Pressure

Elevation Head:	<u>4</u>
Pressure Head:	<u>92</u>
Friction Head:	<u>5.84</u>
Total head:	<u>101.8</u>

### Sprinkler Head Information

K-Rain sprinkler head PROPLUS,  
low angle nozzle

No. 3 @40psi	GPM:	<u>3.1</u>
Number of sprinkler heads:		<u>3</u>
Gallons per minute:		<u>9.3</u>

A class 1 aerobic wastewater treatment unit, chlorination and spray distribution system will be designed for this location. Wastewater from the residence will flow to a pretreatment/trash tank, then to the treatment unit. Treated effluent will be disinfected by a NG 300 V Chlorine Dispenser Unit in the pump tank, before being disposed of through above ground sprinkler heads. All warning systems shall be installed with the aerobic unit

Land acceptable for surface application shall have a flat terrain (with less than or equal to 15% slope). Sloped land (with greater than 15% slope) may be acceptable if it is properly landscaped and terraced to minimize runoff. There shall be nothing in the surface application area within ten feet of the sprinkler which would interfere with the uniform application of the effluent.

Areas that rock is exposed must be covered with a suitable amount of material acceptable to the inspecting authority. Areas that are bare or have been disturbed must be seeded or sodded with a mixture of rye and bermuda grasses or other grass species prior to system operation.

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A maintenance contract for the entire system must be established at time of installation with someone holding a license to maintain the installed aerobic system.

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At every inspection a Total Chlorine Residual test must be conducted and must be a minimum acceptable test of .1 mg/l residual in Pump Tank.

All design criteria is in accordance with TCEQ, Title 30, TAC Chapter 285, Subchapter D, On-Site Sewage Facilities (Effective December 27, 2012). The above design was based on the best available information and should function properly under normal operating conditions. All changes or modifications made to design must be approved by the below signed designer.

Hoyt Seidensticker, R.S. No. 3588

Land Stewardship Services, LLC, 1822 FM 473, Boerne, Texas 78006

Cell (210) 414-6603, Fax (830) 336-4697

11-7-18

Date



Scale 1" = 100'



# Site Map

## Aerobic with Spray Distribution System

### Jorge and Belen Moya

### Lot: 6 Blk. 1

### Acacia Ranch Subdivision

### 30806 Acacia Pass

### Bulverde, Texas 78163

### Comal County

**VOID**

This design complies with all provisions of the existing Contributing Zone Plan and there is not a recharge feature within 150' of the proposed septic system.

Risers must be permanently fastened to the tank lid or cast into the tank. The connection between the riser and the tank lid must be watertight. Risers must be fitted with removable watertight caps and protected against unauthorized intrusions by either a padlock, a cover that can be removed with specialized tools, a cover having a minimum net weight of 29.5 kilograms (65 pounds) set into a recess of the tank lid, or any other means approved by the executive director.

P.L. 582.6'

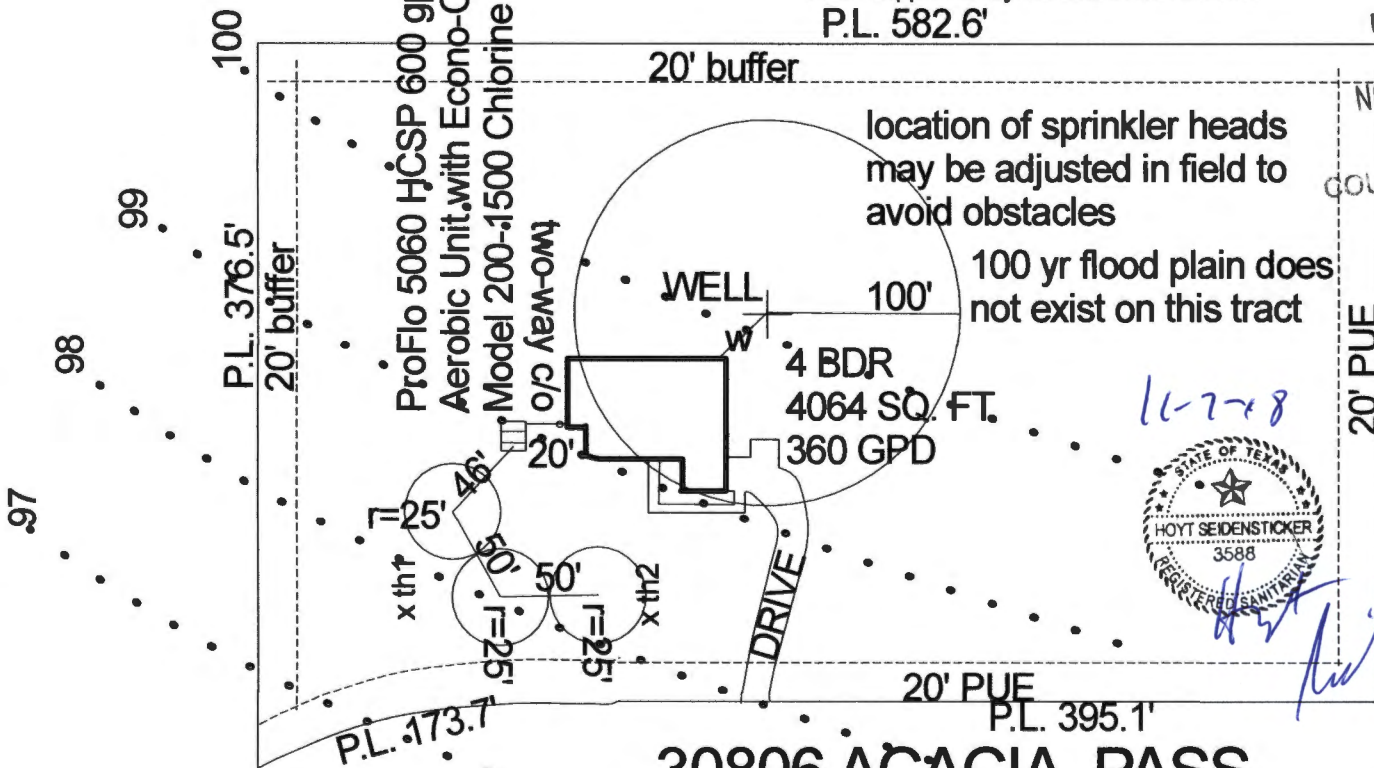
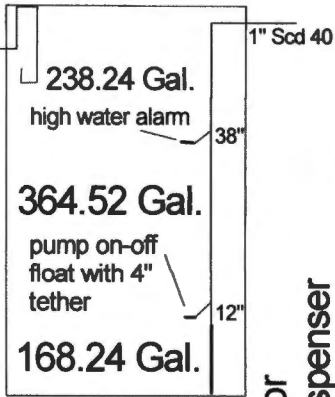
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Acacia Grove

P.L. 341.5'



## 30806 ACACIA PASS

All external electrical lines must be in gray conduit

There shall be nothing in the surface application area within ten feet of the sprinkler which would interfere with the uniform application of the effluent

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Surface application should be done between the hours of 12:00 midnight and 5:00 a.m.

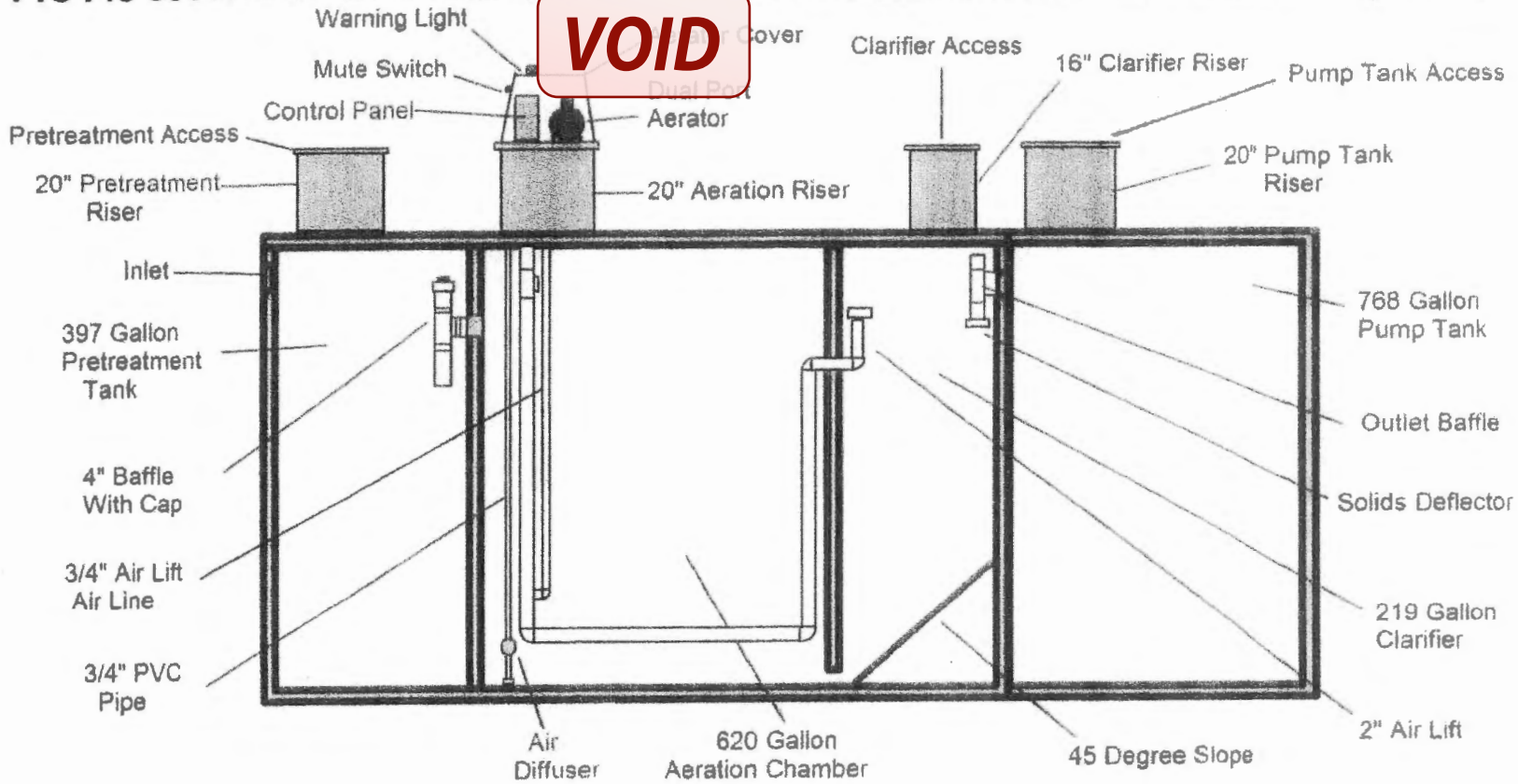
Land acceptable for surface application shall have a flat terrain (less than to equal to 15% slope). Sloped land (with greater than 15% slope) may be acceptable if it is properly landscaped and terraced to minimize runoff.

Areas that rock is exposed must be covered with a suitable amount of material. Areas that are bare or have been disturbed must be seeded or sodded with a mixture of rye and bermuda grasses or other grass species prior to system operation.



*[Handwritten signature]*

# Pro Flo 5060HCSP GPD Unit with 397 Gallon Pretreatment and 768 Gallon Pump Tank Affixed



**VOID**

**VOID**

All Gallonage Approximate  
 Drawing Not to Scale  
 Configuration May Vary

Note: Unit Tested Did Not Have  
 Affixed Pretreatment or Pump  
 Tank

Note: If the wall between the clarifier and  
 aeration chamber is a drop in wall, the  
 thickness shall be 2-1/2"

Overall Length - Top 159" Bottom 155"  
 Overall Width - Top 68" Bottom 64"  
 Height Without Risers - 71"  
 Wall Thickness - 3"  
 Top & Bottom Thickness - Top 2" Bottom 3"  
 Top & Bottom Thickness - Top 5" Bottom 3"  
 Pretreatment Length - Top 29-1/4" Bottom 26-3/4"  
 Aeration Length - Top 44" Bottom 43"  
 Clarifier Length - Top 18-1/2" Bottom 17-1/2"  
 Pump Tank Length - Top 55-1/4" Bottom 52-3/4"  
 Water Level - 55"  
 Air Diffuser - 27"  
 Bottom of Inlet to Bottom of Tank - 60-1/2"  
 Total Tank Weight (Empty) - 17,710#\*  
 (\*actual scaled weight)

**Pro Flo 5060HCSP**

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Revised 7/19/13 5060HCSP KEY



## Ritzen, Brenda


---

**From:** Ritzen, Brenda  
**Sent:** Wednesday, November 21, 2018 3:51 PM  
**To:** 'jamoyaframing@yahoo.com'  
**Cc:** 'hoyt@gvvc.com'  
**Subject:** FW: Permit 108377

Re: Jorge & Belen Moya  
Acacia Ranch Lot 6 Block 1  
Application for Permit for Authorization to Construct an On-Site Sewage Facility

Property owner & agent,

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

- 1  The Affidavit to the Public must be recorded at the Comal County Clerk's Office, and a copy of the recorded form submitted to our office.

Thank you,

Brenda Ritzen, OS0007722  
Environmental Health Coordinator  
Comal County Engineers Office  
195 David Jonas Drive  
New Braunfels, Texas 78132  
830-608-2090  
[www.cceo.org](http://www.cceo.org)

# Affidavit to the Public

THE COUNTY OF Comal  
STATE OF TEXAS



## CERTIFICATION OF OSSF REQUIRING MAINTENANCE

Before me, the undersigned authority, on this day personally appeared Jorge Moya who, after being, by me, duly sworn, upon oath states that he/she is the owner of record of that certain tract or parcel of land lying and being situated in Comal County County, Texas and being more particularly described as follows:

Legal Description of property is as follows:

Lot 6, Block 1, Accia Ranch

An OSSF requiring a maintenance contract, according to 30 Texas Administrative Code §285.91(12) will be installed on the property.

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 owners to provide notice to the public that certain types of OSSFs are located on specific pieces of property. To achieve this notice, the commission requires a recorded affidavit. Additionally, the owner must provide proof of the recording to the OSSF permitting authority. This recorded affidavit is not a representation or warranty by the commission of the suitability of this OSSF, nor does it constitute any guarantee by the commission that the appropriate OSSF was installed.

This OSSF must be covered by a continuous service policy 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. The planning materials for the OSSF may be obtained from (Comal County).



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Signed by my/our hand(s) on this 3 Day of October, 2018

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Signature J J Moya

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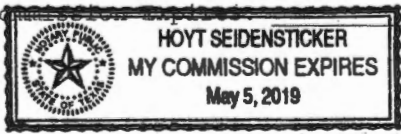
Print Name Jorge Moya

Sworn to and subscribed to before Notary Public, in and for the state of Texas and

WITNESS MY HAND AND OFFICIAL SEAL THIS THE 3 DAY OF Oct, 2018.

Hoyt Seidensticker  
Notary Public, State of Texas

My Commission Expires



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

**General Warranty Deed**

**Date:** December 11, 2017

**Grantor:** Christopher P. Clinkscales and Kristan Park Clinkscales

**Grantor's Mailing Address:**

Christopher P. Clinkscales and Kristan Park Clinkscales

4029 Fossil Creek

San Antonio, TX 78261

**Grantee:** Jorge Moya and Belen Moya

**Grantee's Mailing Address:**

Jorge Moya and Belen Moya

31875 Jay Bird Ln.

Bulverde, TX 78163

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**Consideration:**

Cash and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged.

**Property (including any improvements):**

Lot 6, Block 1, ACACIA RANCH, according to the map or plat thereof, recorded in Volume 15, Pages 194-202, Map and Plat Records, Comal County, Texas.

**Reservations from Conveyance:**

None

**Exceptions to Conveyance and Warranty:**

Validly existing Restrictive Covenants, Easements, Rights-of-way, and Prescriptive rights, whether of record or not; all presently recorded and validly existing instruments, other than conveyances of the surface fee estate, that affect the Property; and taxes for 2017, which Grantee assumes and agrees to pay, and subsequent assessments for that and prior years due to change in land usage, ownership, or both, the payment of which

Grantee assumes.

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

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

**GRANTOR:**

Christopher P. Clinkscales

By: Christopher P. Clinkscales

Kristan Park Clinkscales

By: Kristan Park Clinkscales

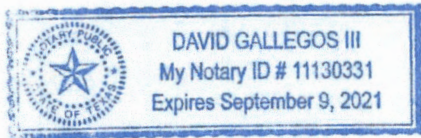
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**ACKNOWLEDGMENTS:**

STATE OF TEXAS                    §  
  §  
COUNTY OF BEXAR               §

Before me, a Notary Public, on this day personally appeared Christopher P. Clinkscales, proved to me through D.C. to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he has executed the same for the purposes and consideration therein expressed.

Given under my hand and seal of office this 11<sup>th</sup> day of November, 2017.



Signed: [Signature]

Printed Name: \_\_\_\_\_

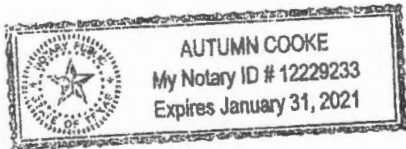
Notary Public, State of Texas  
My commission expires: \_\_\_\_\_

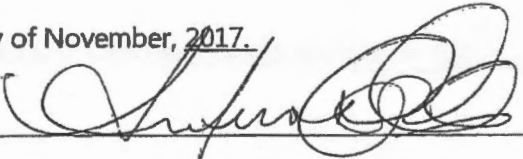
POOR QUALITY

STATE OF TEXAS                    §  
   §  
COUNTY OF BEXAR                §

Before me, a Notary Public, on this day personally appeared Kristan Park Clinkscales, proved to me through TXDL to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that she has executed the same for the purposes and consideration therein expressed.

Given under my hand and seal of office this 11<sup>th</sup> day of November, 2017.



Signed: 

Printed Name: \_\_\_\_\_

Notary Public, State of Texas  
My commission expires: \_\_\_\_\_

RECEIVED  
NOV 16 2018  
COUNTY ENGINEER

Filed and Recorded  
Official Public Records  
Bobbie Koeppe, County Clerk  
Comal County, Texas  
12/13/2017 10:28:58 AM  
JESSICA 3 Pages(s)  
201706053905

 *Bobbie Koeppe*

ITC - Stone Oak

GF# 1746985-SOSA/ac

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

**General Warranty Deed**

**Date:** December 11, 2017

**Grantor:** Christopher P. Clinkscales and Kristan Park Clinkscales

**Grantor's Mailing Address:**

Christopher P. Clinkscales and Kristan Park Clinkscales  
4029 Fossil Creek  
San Antonio, TX 78261

**Grantee:** Jorge Moya and Belen Moya

**Grantee's Mailing Address:**

Jorge Moya and Belen Moya  
31875 Jay Bird Ln.  
Bulverde, TX 78163

RECEIVED  
NOV 16 2018  
COUNTY ENGINEER

**Consideration:**

Cash and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged.

**Property (including any improvements):**

Lot 6, Block 1, ACACIA RANCH, according to the map or plat thereof, recorded in Volume 15, Pages 194-202, Map and Plat Records, Comal County, Texas.

**Reservations from Conveyance:**

None

**Exceptions to Conveyance and Warranty:**

Validly existing Restrictive Covenants, Easements, Rights-of-way, and Prescriptive rights, whether of record or not; all presently recorded and validly existing instruments, other than conveyances of the surface fee estate, that affect the Property; and taxes for 2017, which Grantee assumes and agrees to pay, and subsequent assessments for that and prior years due to change in land usage, ownership, or both, the payment of which

STATE OF TEXAS

§

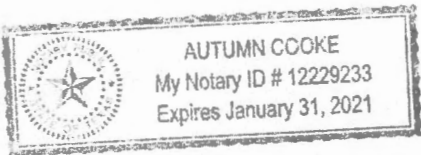
§

COUNTY OF BEXAR

§

Before me, a Notary Public, on this day personally appeared Kristan Park Clinkscales, proved to me through TXDL, to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that she has executed the same for the purposes and consideration therein expressed.

Given under my hand and seal of office this 11<sup>th</sup> day of November, 2017.



Signed: [Handwritten Signature]

Printed Name: \_\_\_\_\_

Notary Public, State of Texas  
My commission expires: \_\_\_\_\_

RECEIVED  
NOV 16 2018  
COUNTY ENGINEER

**MJ Septic, LLC**  
27552 Old Blanco Road  
San Antonio, TX 78260

Phone: (210) 875-3625

www.mjseptic.com mjseptic@mjseptic.com

To: **Jorge & Belen Moya**  
30806 Acacia Pass  
Bulverde, TX 78163

Printed: 12/13/2019  
Site: 30806 Acacia Pass  
Bulverde, TX 78163  
(210) 264-9811

Permit #: **108377**

Customer ID: 4648

Agency: Comal County Environmental Health

Contract Dates: 8/30/2019 - 8/30/2021

County: Comal

Sub: Acacia Ranch

Scheduled Date: 12/30/2019

Inspection 1 of 6

Mfg / Brand: Pro Flo Aerobic Systems, LP - Pro Flo Aerobic Systems, LP

Treatment Type: Aerobic

Disposal: Surface Application

**Service Type: Scheduled Inspection**

This counts as a type of "Scheduled Inspection"

Visit Date: **12/12/2019**

Time In: 2:56pm

Entered By: **Adela Shapiro**

Method: **Other**

Copy emailed to Customer

Customer Emailed: 12/13/2019

Technician: Manuel Guerrero

Copy emailed to the Agency

Agency Emailed: 12/13/2019

Maint. Provider: Michael J. Long

Aerators: Operational

**Sludge Levels**

Filters: Operational

For Tank 1: 0-1

Irrigation Pumps: Operational

Disinfection Device: Operational

Chlorine Supply: Operational

Chlorine Residual: 0mg/L

Tank Lid / Riser: Secured

Problem Indicated

Electric Circuits: Operational

Distribution System: Operational

Sprayfield Veg: Operational

Odor: Good

Alarm: Operational

Service Completed

**Comments**

- Technician Secured the Tank Lid and/or Riser prior to leaving location.
- \*Septic tank cleaning is recommended between 10 and 12 inches of sludge in the pump tank (tank 1) or unless otherwise recommended by technician for other reasons such as full trash tank, etc.\*
- \*This inspection report is not valid for any real estate transactions\*
- Technician noted that there was a problem or issue with this Scheduled Inspection.
- Attention: Chlorine Residual reading was ZERO - Copy emailed to the customer on 12/13/2019.

Insp ID #:29080

Provider: *Michael J. Long*

License #: MP0001294

Expires: 8/31/2022



**MJ Septic, LLC**  
27552 Old Blanco Road  
San Antonio, TX 78260

Phone: (210) 875-3625

www.mjseptic.com mjseptic@mjseptic.com

To: **Jorge & Belen Moya**  
30806 Acacia Pass  
Bulverde, TX 78163

Printed: 4/17/2020  
Site: 30806 Acacia Pass  
Bulverde, TX 78163  
(210) 264-9811

Permit #: **108377**

Agency: Comal County Environmental Health  
County: Comal Sub: Acacia Ranch  
Mfg / Brand: Pro Flo Aerobic Systems, LP - Pro Flo Aerobic Systems, LP  
Treatment Type: Aerobic  
Disposal: Surface Application

Customer ID: 4648  
Contract Dates: 8/30/2019 - 8/30/2021  
Scheduled Date: 4/30/2020 Inspection 2 of 6

**Service Type: Scheduled Inspection**

Visit Date: 4/10/2020 Time In: 3:45p

Method: Other

Technician: Manuel Guerrero

Maint. Provider: Michael J. Long

This counts as a type of "Scheduled Inspection"

Entered By: Dolores Castaneda

- Copy emailed to Customer  
Customer Emailed: 4/10/2020
- Copy emailed to the Agency  
Agency Emailed: 4/17/2020

Aerators: Operational

Filters: Operational

Irrigation Pumps: Operational

Disinfection Device: Operational

Chlorine Supply: Operational

Chlorine Residual: 0.1mg/L

**Sludge Levels**

For Tank 1: 0-1

Chlorinator: Op

Tank Lid / Riser: Secured

Electric Circuits: Operational

Distribution System: Operational

Sprayfield Veg: Operational

Problem  
Indicated

Alarm: Operational

Service Completed

**Comments**

- Technician Secured the Tank Lid and/or Riser prior to leaving location.
- \*Septic tank cleaning is recommended between 10 and 12 inches of sludge in the pump tank (tank 1) or unless otherwise recommended by technician for other reasons such as full trash tank, etc.\*
- \*This inspection report is not valid for any real estate transactions\*
- Technician noted that there was a problem or issue with this Scheduled Inspection.
- Please treat for ants, they will mound inside/around the air compressor and will ruin the electrical and void any warranties. - Copy emailed to the customer on 4/10/2020.

Insp ID #:31227

Provider: *Michael J. Long*

License #: MP0001294

Expires: 8/31/2022

**MJ Septic, LLC**  
27552 Old Blanco Road  
San Antonio, TX 78260

Phone: (210) 875-3625

www.mjseptic.com mjseptic@mjseptic.com

To: **Jorge & Belen Moya**  
30806 Acacia Pass  
Bulverde, TX 78163

Printed: 8/14/2020  
Site: 30806 Acacia Pass  
Bulverde, TX 78163  
(210) 264-9811

Permit #: **108377**

Agency: Comal County Environmental Health

County: Comal

Sub: Acacia Ranch

Mfg / Brand: Pro Flo Aerobic Systems, LP - Pro Flo Aerobic Systems, LP

Treatment Type: Aerobic

Disposal: Surface Application

Customer ID: 4648

Contract Dates: 8/30/2019 - 8/30/2021

Scheduled Date: 8/30/2020

Inspection 3 of 6

**Service Type: Scheduled Inspection**

Visit Date: **8/11/2020**

Time In: 2:27 pm

Method: **Other**

Technician: Manuel Guerrero

Maint. Provider: Michael J. Long

Aerators: Operational

Filters: Operational

Irrigation Pumps: Operational

Disinfection Device: Operational

Chlorine Supply: Operational

Chlorine Residual: 0.1mg/L

**Sludge Levels**

For Tank 1: 2

Tank Lid / Riser: Secured

Electric Circuits: Operational

Distribution System: Operational

Sprayfield Veg: Operational

Odor: Good

Alarm: Operational

**Comments**

- Technician Secured the Tank Lid and/or Riser prior to leaving location.
- \*Septic tank cleaning is recommended between 10 and 12 inches of sludge in the pump tank (tank 1) or unless otherwise recommended by technician for other reasons such as full trash tank, etc.\*
- \*This inspection report is not valid for any real estate transactions\* - Copy emailed to the customer on 8/11/2020.

This counts as a type of "Scheduled Inspection"

Entered By: Adela Shapiro

Copy emailed to Customer

Customer Emailed: 8/11/2020

Copy emailed to the Agency

Agency Emailed: 8/14/2020

**Service Completed**

Insp ID #: 33281

Provider: *Michael J. Long*

License Info: MP0001294 Expires: 8/31/2022

**MJ Septic, LLC**  
27552 Old Blanco Road  
San Antonio, TX 78260

Phone: (210) 875-3625

www.mjseptic.com    mjseptic@mjseptic.com

To: **Jorge & Belen Moya**  
30806 Acacia Pass  
Bulverde, TX 78163

Printed: 12/18/2020  
Site: 30806 Acacia Pass  
Bulverde, TX 78163  
(210) 264-9811

Permit #: **108377**

Agency: Comal County Environmental Health

County: Comal

Sub: Acacia Ranch

Mfg / Brand: Pro Flo Aerobic Systems, LP - Pro Flo Aerobic Systems, LP

Treatment Type: Aerobic

Disposal: Surface Application

Customer ID: 4648

Contract Dates: 8/30/2019 - 8/30/2021

Scheduled Date: 12/30/2020

Inspection 4 of 6

**Service Type: Scheduled Inspection**

Visit Date: 12/11/2020

Time In: 4:59am

Method: Other

Technician: Manuel Guerrero

Maint. Provider: Michael J. Long

This counts as a type of "Scheduled Inspection"

Entered By: Ashley Nicole Larcom

Copy emailed to Customer

Customer Emailed: 12/14/2020

Copy emailed to the Agency

Agency Emailed: 12/18/2020

Aerators: Operational

Filters: Operational

Irrigation Pumps: Operational

Disinfection Device: Operational

Chlorine Supply: Operational

Chlorine Residual: 0.1mg/L

**Sludge Levels**

For Tank 1: 0-1

Tank Lid / Riser: Secured

Electric Circuits: Operational

Distribution System: Operational

Sprayfield Veg: Operational

Odor: Good

Alarm: Operational

**Comments**

**Service Completed**

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

- \*Septic tank cleaning is recommended between 10 and 12 inches of sludge in the pump tank (tank 1) or unless otherwise recommended by technician for other reasons such as full trash tank, etc.\*

- \*This inspection report is not valid for any real estate transactions\* - Copy emailed to the customer on 12/14/2020.

Insp ID #: 35368

Provider: *Michael J. Long*

License Info: MP0001294 Expires: 8/31/2022

**MJ Septic, LLC**  
27552 Old Blanco Road  
San Antonio, TX 78260

Phone: (210) 875-3625

www.mjseptic.com mjseptic@mjseptic.com

To: **Jorge & Belen Moya**  
30806 Acacia Pass  
Bulverde, TX 78163

Printed: 4/16/2021  
Site: 30806 Acacia Pass  
Bulverde, TX 78163  
(210) 264-9811

Permit #: **108377**

Agency: Comal County Environmental Health  
County: Comal Sub: Acacia Ranch  
Mfg / Brand: Pro Flo Aerobic Systems, LP - Pro Flo Aerobic Systems, LP  
Treatment Type: Aerobic  
Disposal: Surface Application

Customer ID: 4648  
Contract Dates: 8/30/2019 - 8/30/2021  
Scheduled Date: 4/30/2021 Inspection 5 of 6  
Installed: 8/5/2019  
Warranty End: 8/5/2021

**Service Type: Scheduled Inspection**

Visit Date: **4/13/2021**

Time In: 3:03PM

Method: **Other**

Technician: Manuel Guerrero

Maint. Provider: Michael J. Long

This counts as a type of "Scheduled Inspection"

Entered By: Catherine Jefferson

- Copy emailed to Customer  
Customer Emailed: 4/16/2021
- Copy emailed to the Agency  
Agency Emailed: 4/16/2021

Aerators: Operational

Filters: Operational

Irrigation Pumps: Operational

Disinfection Device: Operational

Chlorine Supply: Operational

Chlorine Residual: 0.1mg/L

**Sludge Levels**

For Tank 1: 0"

Chlorinator: Op

Tank Lid / Riser: Secured

Electric Circuits: Operational

Distribution System: Operational

Sprayfield Veg: Operational

Alarm: Operational

**Comments**

**Service Completed**

- Tech reset your timer. - Technician Secured the Tank Lid and/or Riser prior to leaving location. - \*Septic tank cleaning is recommended between 10 and 12 inches of sludge in the pump tank (tank 1) or unless otherwise recommended by technician for other reasons such as full trash tank, etc.\* - \*This inspection report is not valid for any real estate transactions\* - Copy emailed to the customer on 4/16/2021.

Insp ID #:37461

Provider: *Michael J. Long*

License Info: MP0001294 Expires: 8/31/2022

**MJ Septic, LLC**  
1328 W Borgfeld  
San Antonio, TX 78260

Phone: (210) 875-3625

www.mjseptic.com mjseptic@mjseptic.com

To: **Jorge & Belen Moya**  
30806 Acacia Pass  
Bulverde, TX 78163

Printed: 9/2/2021  
Site: 30806 Acacia Pass  
Bulverde, TX 78163  
(210) 264-9811

Permit #: **108377**

Agency: Comal County Environmental Health  
County: Comal Sub: Acacia Ranch  
Mfg / Brand: Pro Flo Aerobic Systems, LP - Pro Flo Aerobic Systems, LP  
Treatment Type: Aerobic  
Disposal: Surface Application

Customer ID: 4648  
Contract Dates: 8/30/2021 - 8/30/2022  
Scheduled Date: 8/3/2021 Inspection 6 of 6  
Installed: 8/5/2019  
Warranty End: 8/5/2021

**Service Type: Scheduled Inspection**

Visit Date: **8/11/2021**

Time In: 2:35 pm

Method: **Other**

Technician: Manuel Guerrero

Maint. Provider: Michael J. Long

This counts as a type of "Scheduled Inspection"

Entered By: **Hailey Long**

- Copy emailed to Customer  
Customer Emailed: 8/12/2021
- Copy emailed to the Agency  
Agency Emailed: 9/2/2021

Aerators: Operational

Filters: Operational

Irrigation Pumps: Operational

Disinfection Device: Operational

Chlorine Supply: Operational

Chlorine Residual: 0.1 mg/L

**Sludge Levels**

For Tank 1: 0"

Chlorinator: Op

Tank Lid / Riser: Secured

Electric Circuits: Operational

Distribution System: Operational

Sprayfield Veg: Operational

Alarm: Operational

**Comments**

**Service Completed**

- Technician Secured the Tank Lid and/or Riser prior to leaving location. - \*Septic tank cleaning is recommended between 10 and 12 inches of sludge in the pump tank (tank 1) or unless otherwise recommended by technician for other reasons such as full trash tank, etc.\* - \*This inspection report is not valid for any real estate transactions\* - Tech reset your timer. - Copy emailed to the customer on 8/12/2021.

Insp ID #: 39623

Provider: *Michael J. Long*

License Info: MP0001294 Expires: 8/31/2022



## MJ Central Texas Septic, LLC - DBA MJ SEPTIC

27552 Old Blanco Road  
San Antonio, Texas 78260  
(210) 875-3625  
[mjseptic@mjseptic.com](mailto:mjseptic@mjseptic.com) (email)  
[www.mjseptic.com](http://www.mjseptic.com) (website)

**Residential Aerobic Maintenance Contract**  
Licensed by T.C.E.Q. Michael J. Long, MP 0001294

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 contract, MJ Septic will offer a continuation of your maintenance contract 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 2-year initial contract. For a new single-family dwelling, this is the date of installation, required by state guidelines dated June 13, 2001. For an existing single-family dwelling, this is the date the notice of approval is issued by your permitting authority. The effective date of this maintenance contract shall be the date the LTO (license to operate) is issued.

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

- **INSPECTIONS:** An inspection every four months (three times annually) which includes inspecting/servicing the mechanical, electrical, and other applicable components to ensure proper function. The annual fee does not include any parts, cleaning/pumping, chlorine/bleach (tablets or liquid), additional service calls or additional testing that may be required by any regulating authority. If for any reason, we are unable to obtain access to your property or system to perform a service check, you may be charged a \$75 service call for re-scheduling. It is very important that we always have full access to your system, including all gate codes, combination locks etc. to inspect your system.
- **SERVICE CALLS:** If a service call is required by homeowner(s) between regular inspections, a service call fee of \$75 (not including parts and/or cleaning/pumping) will be assessed. We may waive this fee at our discretion. These calls include but are not limited to the following: red light alarms, high water alarms, chlorinator checks, disconnected airlines, timer adjustments, spray head adjustments and system power failure.
- **REPAIRS:** If repairs or replacement of parts are needed during routine inspection, we will attempt to contact the homeowner(s) for approval to make onsite repairs. If we are unable to repair/replace parts onsite, the client will be notified via email and/or USPS that repairs/replacement of parts is needed. All MAJOR part replacements come with a 2-year warranty (see notes below). There will be a \$75 warranty credit fee assessed on all parts. Warranted items will only be honored when a valid maintenance contract is in effect with MJ Septic. If the contract has a lapse in time, ALL WARRANTED items are VOIDED.  
For ATU's under initial installation warranty (2 years from initial installation date) if warranted items are required to be replaced within 30 days of installation, part will be replaced with no fees, after 30 days there will be a \$75 warranty credit fee assessed on all parts. Warranted items will only be honored when a valid maintenance contract is in place with MJ Septic.
- **CLEANING/PUMPING:** The cleaning/pumping of your ATU is not included in your maintenance contract. We always recommend pumping between 10-12" of sludge. We determine this by gathering 3-4 different readings out of your pump tank with a sludge judge. A few other factors that may determine pumping is necessary even if your sludge reading is less than 10-12". *\*A typical/average household will need to have their system pumped every 2-5 years; this all depends on usage and will vary per household\**



## MJ Central Texas Septic, LLC - DBA MJ SEPTIC

27552 Old Blanco Road  
San Antonio, Texas 78260  
(210) 875-3625

[mjseptic@mjseptic.com](mailto:mjseptic@mjseptic.com) (email)  
[www.mjseptic.com](http://www.mjseptic.com) (website)

**Residential Aerobic Maintenance Contract**  
Licensed by T.C.E.Q. Michael J. Long, MP 0001294

- **CHLORINE SUPPLY:** *The homeowner(s) is responsible for maintaining their own chlorine supply.* TCEQ regulation requires proper chlorination. For liquid chlorinators, homeowners are to add 2-3 gallons of liquid chlorine/bleach per month. If the chlorinator is completely empty, DO NOT add more than 3 ½-4 gallons of liquid chlorine/bleach at a time. For tablet chlorinators, property/business owner(s) can purchase Calcium Hypochlorite tablets typically purchased at a local Home Depot or Lowe's. **DO NOT USE POOL TABLETS** (*this can cause a dangerous volatile chemical reaction*).
- **TRANSFER OF MAINTENANCE CONTRACT/PROPERTY OWNERSHIP:** The fee of this maintenance contract is non-refundable, however is fully transferable to the homeowner(s). If this policy is sold within the contract period, the signing party is responsible for all repairs unless the new homeowner(s) information is provided before repairs are made and the transfer contract is signed (by the new homeowner(s)) and returned to us. The new homeowner(s) will be emailed a copy of the powerpoint orientation, if it was an MJ Septic installation, once the signed contract is received on file with our office.  
*RENTAL HOMES: The PROPERTY OWNER is responsible for all fees associated with this contract. Renters will be required to have a walk through orientation during their first visit to ensure proper usage, etc.*
- **ALTERATIONS/MODIFICATIONS TO THE SYSTEM:** Do not allow alteration to any part of the system or sprinkler head locations. Alterations would put the system out of county/code compliance and would cause the property owner additional expense to bring the system back into compliance. Any use of another company to make repairs to the system will void any warranties and be considered as a breach of this maintenance contract. If a client chooses to purchase and use their own parts, MJ Septic will not install nor work on these parts. Adding pools, decks, sport courts, outdoor kitchens, sheds etc. without proper septic design and county permitting is not acceptable. You must have a septic designer redesign your septic system and have permitting authority's approval prior to any additions being made. MJ Septic is not liable for any fines you may incur from illegal modifications.
- **WARRANTY VIOLATIONS:** Violations of the warranty include but are not limited to the following: turning off your system at any time, disconnecting the alarm, restricting airflow to the air compressor, overloading the system above its daily rated capacity, introducing excessive amounts of harmful matter (including harsh chemicals, cleaners, antibiotics, etc.) into the system, or any other harmful usage of your OSSF/ATU. Refusing to clean/pump out septic when recommended and/or replacing necessary parts as needed. Necessary treatment of ants. Homeowners must keep grass, weeds and plants trimmed and clear of tank access points, control panel, air compressor, etc. Moving sprinkler lines without proper documentation, etc. Building over septic tanks, lids, etc. Adding pools, decks, sport courts, outdoor kitchens, sheds etc. without proper septic design and county permitting is not acceptable. You must have a septic designer redesign your septic system and have permitting authority's approval prior to any additions being made. MJ Septic is not liable for any fines you may incur from illegal modifications.



# MJ Central Texas Septic, LLC - DBA MJ SEPTIC

27552 Old Blanco Road  
San Antonio, Texas 78260  
(210) 875-3625

mjseptic@mjseptic.com (email)  
www.mjseptic.com (website)

**Residential Aerobic Maintenance Contract**  
Licensed by T.C.E.Q. Michael J. Long, MP 0001294

**TERMS OF PAYMENT:** Payment is due in full for the maintenance contract at time of signing. 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 no longer offer billing/invoicing for future payments; this is a strict office policy, no exceptions.

1 YEAR	2 YEAR	3 YEAR	2 YEAR INITIAL	Additional Information
✓ \$285	\$530	\$675	Included with Installation	Homeowner(s) are NOT required to be present at inspections. Please note, clients will receive an emailed notice 5-7 business days prior to your scheduled inspection, this is your only notification we will send. A door hanger will be left if no one is home. Inspection reports are emailed/mailed within a few business days to the email/mailling address of record, please check your spam folder. If you have not received it after 72 hours please email or call our office.

- **MAINTENANCE TIPS/SEPTIC GUIDE:** Please retain the attached Maintenance Tips/Septic Guide for future reference. Please note our business hours are Monday - Friday 8am to 5pm, should you have an emergency during non-business hours, please look this over and follow the necessary steps until you can reach us during normal business hours!
- If you are unable to reach us during business hours, you can leave a voicemail or send an email (we attempt to respond to emails during weekends and holidays as best as we can!)

**Acceptance of Maintenance Contract:** The above prices, specifications, 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 contract guidelines stated above and have also read and agreed to comply with the Maintenance Tips/Septic Guide. MJ Septic reserves the right to make amendments to this document at any time and the homeowner will be responsible for signing an updated version for office and county records.

Please note, clients will receive an emailed notice 5-7 business days prior to your scheduled inspection, this is your only notification we will send. (MJ Septic will assess a \$75 re inspection/missed inspection fee if we are not granted access to complete your inspection on the date assigned, aggressive dogs, etc)

Property Address: 30806 Acacia Pass City: Bulverde Zip Code: 78163

Client Name: Jorge & Belen Moya

Contract Start Date: 8/30/2021 Contract End Date: 8/30/2022 Total Fee Paid: \$285 paid 8/12/2021

Permitting Authority: Comal County #108377 Subdivision Gate Code: N/A Property Gate Code: N/A

Subdivision: Acacia Ranch Number in Household: 6 Aggressive Dogs: NO

Email Address: Jamoyaframing@yahoo.com Email Address: Jamoyaframing@yahoo.com

Cell Phone (his/hers): 2102649811 Cell Phone (his/hers): 210 264 9811 Home Phone: 210 264 9811

Client Approval Signature: Jorge Moya Date of Client Acceptance: 08 / 12 / 2021

MJ Central Texas Septic, LLC Authorized Signature: Catherine Jefferson Date of MJ Approval: 08 / 13 / 2021





## Maintenance Tips/Septic Guide







27552 Old Blanco Road  
San Antonio, Texas 78260  
(210) 875-3625  
[mjseptic@mjseptic.com](mailto:mjseptic@mjseptic.com)  
[www.mjseptic.com](http://www.mjseptic.com)

To keep your system functioning properly, regular maintenance is required. No matter how well the system is maintained or how well your aerobic system is designed and household usage, there will be parts that need to be replaced. Some are less expensive (and more common) like diffuser bars (if required, not all brands use diffusers), filters, sprinkler heads, airline, float switches, timers, audio and visual alarms, etc. Some are more expensive like sprinkler pumps, air compressors and septic tank cleanings, etc. With owning an aerobic system, you should expect to have parts replaced and it needing to be cleaned/pumped out. The life span of each part of your system will vary depending upon how many people use your system, how much water is used, what types of food you eat, what medicines are taken, the type of cleaning chemicals being used in the household, what you flush down the commode and of course the regular life expectancy for each functioning part, etc. Some of the items checked during routine inspections that may need to be replaced or repaired according to their life span. These items include, but are not limited to: air compressor (aerator), a/c filters, filter pads, diffuser bars, sprinkler pumps (irrigation pumps), control panels, electrical circuit boards, float switches, timers, audio alarms, visual alarms, airline, photocell, toggle switches, wires, junction boxes, risers and/or lids, sprinkler heads, chlorinators, etc. Below are some recommendations that will help you keep maintenance costs down and will help your aerobic system function properly.

- **RED LIGHT ALARMS:** if your alarm turns on, don't be alarmed (it usually isn't an emergency). Please call our office and schedule a service call with our office. If we are closed (after hours, weekends or holidays), please leave (1) voicemail at (210) 875-3625. You may also send a text to this number. You may email us to leave a request at [mjseptic@mjseptic.com](mailto:mjseptic@mjseptic.com) if you are unable to call or text. We will make a work order for the next available business day. During this time, you as the homeowner need to reduce all non-essential water usage. Don't wait days to report red light alarms! Please note, in extreme weather conditions, excessive heavy rains can and will cause your septic alarm and sprinkler heads to discharge, this is normal, the water is being relieved from the tank. If your alarm light stays on well after the rains have ceased, please call us to get a technician out to your property.
- **POWER:** In the event of a red-light alarm or at any other time NEVER shut off the power to your system!
- **IRRIGATION SYSTEMS (lawn care) & ALTERATIONS TO THE SYSTEM:** Avoid spraying your irrigation system in the same areas as your septic spray areas. This will cause over saturation to the lawn. Homeowners, landscapers, irrigation and pool companies should NEVER replace or tamper with your aerobic system, including the spray heads. Doing so will void any warranties (if applicable) and may result in additional costs to the homeowner for necessary repairs to bring the system back into compliance. For any changes wanted or needed for swimming pools, decks, sport courts, patios or irrigation systems, it is the homeowner's responsibility to call MJ Septic, LLC at (210) 875-3625 to assist in taking the necessary measures to have alterations made. This usually requires the system to be redesigned by one of our septic designers and re-permitted with your respective county. Do not build over any part of the aerobic system (the sprinklers can only be applied to natural vegetation surfaces!) Do not landscape over any part of the aerobic system (trees, plants, flowers, etc.) Do not allow ants to mound by any part of the aerobic system. Ant killers can be used to treat if mounds occur. Ants will ruin electrical components and void any warranties if applicable. Keep all vegetation mowed and trimmed around the entire system, including the spray heads & spray area. If the technician cannot access the system due to overgrown grass, weeds, bushes, etc. there will be a service call charge assessed to return for inspection.
- **CHLORINE (tablets & liquid):** Never store your tablets near water heaters or in your water heater closet. Keep chlorine away from gas and electricity. It is always best to store it in a cool, dry and well-ventilated area.  
**\*\* For tablet chlorinators:** use only chlorine that is designed to treat wastewater! Calcium Hypochlorite tablets are available at your local Home Depot or Lowe's. We do not sell them. NEVER USE SWIMMING POOL TABLETS! Mixing pool tablets with wastewater tablets could cause a dangerous volatile reaction. When the chlorinator is completely empty, do not add more than 4-5 tablets at a time to prevent the chlorinator from clogging.  
**\*\* For liquid chlorinators:** you may use liquid chlorine/bleach (same bleach used to wash whites). When the chlorinator is completely empty, add no more than 3 ½ gallons of liquid chlorine bleach at a time. We recommend 2-3 gallons monthly (this will vary depending on how much water is used in the home per month) Do not tamper with chlorinators! This will void any warranties (if applicable).
- **MISC INFO I:** An aerobic system should not be treated as a city sewer. Economy in the use of water helps prevent overloading the system. Leaky faucets, running commodes, etc. should be guarded against as well. Avoid doing all your laundry in the same day (you must space out 1-2 loads daily); surges of water entering the system can and will hydraulically overload the system and throw off the balance of bacteria, which will not allow your waste to break down properly.
- **MISC INFO II:** Items flushed down commodes and/or poured down the drains DO NOT disappear; they must be treated by the system! Aerobic systems are designed to treat domestic wastewater and most toilet paper (read labels). Things that can harm your system include, but are not limited to are: excessive use of garbage disposal (very light use is okay, only if necessary, otherwise it is strongly recommended against!) fat, grease, oils, too many harsh cleaners, excessive use of fabric softener, excessive use of bleach, cigarette butts, feminine wipes, baby wipes, facial wipes, cleaning wipes, any type of wipes, feminine products, paper towels, condoms, q-tips, paint and/or paint thinners, varnishes, drain cleaners, automatic toilet bowl cleaners, hair combings, pet hair, coffee grounds, fruit, fruit peels, dental floss, any type of diapers, kitty litter, gauze bandages, unused medications, etc. Items such as these even though they may say "flushable" or "septic safe" still may not be ultimately safe for your aerobic treatment unit and cannot potentially cause the homeowner additional expenses for repairs and pumping.
- **MISC INFO III:** We take sludge level readings at every routine inspection (every four months) unless the system has been shut off/power failure or the system is overflowing. We always recommend cleaning/pumping of the system when levels reach 10-12" of sludge. \*A typical/average household will need to have their system cleaned/pumped every 2-5 years; this all depends on usage and WILL VARY per HOUSEHOLD! This fee is NOT included in your annual maintenance contract agreement.

<b>TITLE</b>	30806 Acacia Pass Bulverde, TX 78163 (Moya 08/30/2021 -...
<b>FILE NAME</b>	Residential Maint...ion 06_02_21).pdf
<b>DOCUMENT ID</b>	c8f181a6936bfe478ef805368cf8d420d9417ffc
<b>AUDIT TRAIL DATE FORMAT</b>	MM / DD / YYYY
<b>STATUS</b>	Completed

## Document History

 SENT	<b>08 / 12 / 2021</b> 13:16:21 UTC-5	Sent for signature to Jorge & Belen Moya (jamoyaframing@yahoo.com) and Catherine Jefferson (cat@mjseptic.com) from cat@mjseptic.com IP: 216.177.186.101
 VIEWED	<b>08 / 12 / 2021</b> 22:01:08 UTC-5	Viewed by Jorge & Belen Moya (jamoyaframing@yahoo.com) IP: 96.8.168.123
 SIGNED	<b>08 / 12 / 2021</b> 22:14:31 UTC-5	Signed by Jorge & Belen Moya (jamoyaframing@yahoo.com) IP: 96.8.168.123
 VIEWED	<b>08 / 13 / 2021</b> 07:50:45 UTC-5	Viewed by Catherine Jefferson (cat@mjseptic.com) IP: 216.177.186.101
 SIGNED	<b>08 / 13 / 2021</b> 07:51:19 UTC-5	Signed by Catherine Jefferson (cat@mjseptic.com) IP: 216.177.186.101
 COMPLETED	<b>08 / 13 / 2021</b> 07:51:19 UTC-5	The document has been completed.

**MJ Septic, LLC**  
1328 W Borgfeld  
San Antonio, TX 78260

Phone: (210) 875-3625

www.mjseptic.com mjseptic@mjseptic.com

To: **Jorge & Belen Moya**  
30806 Acacia Pass  
Bulverde, TX 78163

Printed:12/17/2021  
Site: 30806 Acacia Pass  
Bulverde, TX 78163  
(210) 264-9811

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Permit #: **108377** Customer ID: 4648  
Agency: Comal County Environmental Health Contract Dates: 8/30/2021 - 8/30/2022  
County: Comal Sub: Acacia Ranch Scheduled Date: 12/30/2021 Inspection 1 of 3  
Mfg / Brand: Pro Flo Aerobic Systems, LP - Pro Flo Aerobic Systems, LP Installed: 8/5/2019  
Treatment Type: Aerobic Warranty End: 8/5/2021  
Disposal: Surface Application

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**Service Type: Scheduled Inspection**

This counts as a type of "Scheduled Inspection"

**Visit Date:** 12/14/2021

Time In: 12:32PM

**Entered By:** Catherine Jefferson

**Method:** Other

Copy emailed to Customer  
Customer Emailed: 12/14/2021

**Technician:** Colton Lewis

Copy emailed to the Agency  
Agency Emailed: 12/17/2021

**Maint. Provider:** Michael J. Long

**Aerators:** Operational

**Sludge Levels**

**Filters:** Operational

**For Tank 1:** 3"

**Irrigation Pumps:** Operational

**Disinfection Device:** Operational

**Chlorine Supply:** Operational

**Chlorine Residual:** 0.1mg/L

**Chlorinator:** Op

**Tank Lid / Riser:** Secured

**Electric Circuits:** Operational

**Distribution System:** Operational

**Sprayfield Veg:** Operational

**Alarm:** Operational

**Comments**

**Service Completed**

- Tech Replaced Chlorine Screen and repaired PVC airline. - Technician Secured the Tank Lid and/or Riser prior to leaving location. - \*Septic tank cleaning is recommended between 10 and 12 inches of sludge in the pump tank (tank 1) or unless otherwise recommended by technician for other reasons such as full trash tank, etc.\* - \*This inspection report is not valid for any real estate transactions\* - Copy emailed to the customer on 12/14/2021.

Insp ID #:41828

**Provider:** Michael J. Long

License Info: MP0001294 Expires: 8/31/2022

**MJ Septic, LLC**  
1328 W Borgfeld  
San Antonio, TX 78260

Phone: (210) 875-3625

www.mjseptic.com mjseptic@mjseptic.com

To: **Jorge & Belen Moya**  
30806 Acacia Pass  
Bulverde, TX 78163

Printed:4/15/2022  
Site: 30806 Acacia Pass  
Bulverde, TX 78163  
(210) 264-9811

Permit #: **108377**

Agency: Comal County Environmental Health  
County: Comal Sub: Acacia Ranch  
Mfg / Brand: Pro Flo Aerobic Systems, LP - Pro Flo Aerobic Systems, LP  
Treatment Type: Aerobic  
Disposal: Surface Application

Customer ID: 4648  
Contract Dates: 8/30/2021 - 8/30/2022  
Scheduled Date: 4/30/2022 Inspection 2 of 3  
Installed: 8/5/2019  
Warranty End: 8/5/2021

**Service Type: Scheduled Inspection**

This counts as a type of "Scheduled Inspection"

Visit Date: **4/8/2022**

Time In: 9:12 AM

Entered By: Tracy Murphy

Method: Other

Technician: Deaundrae Ross

Maint. Provider: Michael J. Long

- Copy emailed to Customer  
Customer Emailed: 4/11/2022
- Copy emailed to the Agency  
Agency Emailed: 4/15/2022

Aerators: Operational

**Sludge Levels**

Filters: Operational

For Tank 1: 3"

Irrigation Pumps: Operational

Disinfection Device: Operational

Chlorine Supply: Operational

Chlorine Residual: 0.1mg/L

Chlorinator: Op

Tank Lid / Riser: Secured

Electric Circuits: Operational

Distribution System: Operational

Sprayfield Veg: Operational

Alarm: Operational

**Comments**

**Service Completed**

- Tech reset your timer. - Technician Secured the Tank Lid and/or Riser prior to leaving location. - \*Septic tank cleaning is recommended between 10 and 12 inches of sludge in the pump tank (tank 1) or unless otherwise recommended by technician for other reasons such as full trash tank, etc.\* - \*This inspection report is not valid for any real estate transactions\* - Copy emailed to the customer on 4/11/2022.

Insp ID #:44028

Provider: Michael J. Long

License Info: MP0001294 Expires: 8/31/2022

**MJ Septic, LLC**  
1328 W Borgfeld  
San Antonio, TX 78260

Phone: (210) 875-3625

www.mjseptic.com mjseptic@mjseptic.com

To: **Jorge & Belen Moya**  
30806 Acacia Pass  
Bulverde, TX 78163

Printed:8/19/2022  
Site: 30806 Acacia Pass  
Bulverde, TX 78163  
(210) 264-9811

Permit #: **108377**

Agency: Comal County Environmental Health  
County: Comal Sub: Acacia Ranch  
Mfg / Brand: Pro Flo Aerobic Systems, LP - Pro Flo Aerobic Systems, LP  
Treatment Type: Aerobic  
Disposal: Surface Application

Customer ID: 4648  
Contract Dates: 8/30/2021 - 8/30/2022  
Scheduled Date: 8/30/2022 Inspection 3 of 3  
Installed: 8/5/2019  
Warranty End: 8/5/2021

**Service Type: Scheduled Inspection**

This counts as a type of "Scheduled Inspection"

Visit Date: **8/5/2022**

Time In: 1045 am

Entered By: Tracy Murphy

Method: Other

Copy emailed to Customer  
Customer Emailed: 8/10/2022

Technician: Deaundrae Ross

Copy emailed to the Agency  
Agency Emailed: 8/19/2022

Maint. Provider: Michael J. Long

Aerators: Operational

Sludge Levels

Filters: Operational

For Tank 1: 4"

Irrigation Pumps: Operational

Disinfection Device: Operational

Chlorine Supply: Operational

Chlorine Residual: 0.1mg/L

Chlorinator: Op

Tank Lid / Riser: Secured

Electric Circuits: Operational

Distribution System: Operational

Sprayfield Veg: Operational

Alarm: Operational

**Comments**

**Service Completed**

- Tech reset your timer. - Technician Secured the Tank Lid and/or Riser prior to leaving location. - \*Septic tank cleaning is recommended between 10 and 12 inches of sludge in the pump tank (tank 1) or unless otherwise recommended by technician for other reasons such as full trash tank, etc.\* - \*This inspection report is not valid for any real estate transactions\*

- \*\*\*This was your FINAL inspection for your current contract, please call (210) 875-3625 to renew your contract, to stay in compliance\*\*\* - Copy emailed to the customer on 8/10/2022.

Insp ID #:46336

Provider: Michael J. Long

License Info: MP0001294 Expires: 8/31/2022

**MJ Septic, LLC**  
1328 W Borgfeld  
San Antonio, TX 78260

Phone: (210) 875-3625

www.mjseptic.com mjseptic@mjseptic.com

To: **Jorge & Belen Moya**  
30806 Acacia Pass  
Bulverde, TX 78163

Printed: 12/9/2022  
Site: 30806 Acacia Pass  
Bulverde, TX 78163  
(210) 264-9811

Permit #: **108377**

Agency: Comal County Environmental Health  
County: Comal Sub: Acacia Ranch  
Mfg / Brand: Pro Flo Aerobic Systems, LP - Pro Flo Aerobic Systems, LP  
Treatment Type: Aerobic  
Disposal: Surface Application

Customer ID: 4648  
Contract Dates: 8/30/2022 - 8/30/2025  
Scheduled Date: 12/30/2022 Inspection 1 of 9  
Installed: 8/5/2019  
Warranty End: 8/5/2021

**Service Type: Scheduled Inspection**

This counts as a type of "Scheduled Inspection"

Visit Date: **12/5/2022**

Time In: 1:13 pm

Entered By: Audrey Miller

Method: Other

Copy emailed to Customer  
Customer Emailed: 12/7/2022

Technician: Chris Hidalgo

Copy emailed to the Agency  
Agency Emailed: 12/9/2022

Maint. Provider: Michael J. Long

Aerators: Operational

**Sludge Levels**

Filters: Operational

For Tank 1: 2"

Irrigation Pumps: Operational

Disinfection Device: Operational

Chlorine Supply: Operational

Chlorine Residual: 0.1mg/L

Chlorinator: Op

Tank Lid / Riser: Secured

Electric Circuits: Operational

Distribution System: Operational

Sprayfield Veg: Operational

Alarm: Operational

**Comments**

**Service Completed**

- Tech reset your timer.
- Technician Secured the Tank Lid and/or Riser prior to leaving location.
- \*Septic tank cleaning is recommended between 10 and 12 inches of sludge in the pump tank (tank 1) or unless otherwise recommended by technician for other reasons such as full trash tank, etc.\*
- \*This inspection report is not valid for any real estate transactions\* - Copy emailed to the customer on 12/7/2022.

Insp ID #:48792

Provider: *Michael J. Long*

License Info: MP0001294 Expires: 8/31/2025

**MJ Septic, LLC**  
1328 W Borgfeld  
San Antonio, TX 78260

Phone: (210) 875-3625

www.mjseptic.com    mjseptic@mjseptic.com

To: **Jorge & Belen Moya**  
30806 Acacia Pass  
Bulverde, TX 78163

Printed: 1/20/2023  
Site: 30806 Acacia Pass  
Bulverde, TX 78163  
(210) 264-9811

Permit #: **108377**

Agency: Comal County Environmental Health  
County: Comal                                  Sub: Acacia Ranch  
Mfg / Brand: Pro Flo Aerobic Systems, LP - Pro Flo Aerobic Systems, LP  
Treatment Type: Aerobic  
Disposal: Surface Application

Customer ID: 4648  
Contract Dates: 8/30/2022 - 8/30/2025  
Scheduled Date: 12/30/2022                          Inspection 1 of 9  
Installed: 8/5/2019  
Warranty End: 8/5/2021

**Service Type: Scheduled Inspection**

This counts as a type of "Scheduled Inspection"

Visit Date: **12/5/2022**

Time In: 1:13 pm

Entered By: Audrey Miller

Method: Other

Copy emailed to Customer  
Customer Emailed: 12/7/2022

Technician: Chris Hidalgo

Copy emailed to the Agency  
Agency Emailed: 12/9/2022

Maint. Provider: Michael J. Long

Aerators: Operational

**Sludge Levels**

Filters: Operational

For Tank 1: 2"

Irrigation Pumps: Operational

Disinfection Device: Operational

Chlorine Supply: Operational

Chlorine Residual: 0.1mg/L

Chlorinator: Op

Tank Lid / Riser: Secured

Electric Circuits: Operational

Distribution System: Operational

Sprayfield Veg: Operational

Alarm: Operational

**Comments**

**Service Completed**

- Tech reset your timer.
- Technician Secured the Tank Lid and/or Riser prior to leaving location.
- \*Septic tank cleaning is recommended between 10 and 12 inches of sludge in the pump tank (tank 1) or unless otherwise recommended by technician for other reasons such as full trash tank, etc.\*
- \*This inspection report is not valid for any real estate transactions\* - Copy emailed to the customer on 12/7/2022.

Insp ID #:48792

Provider: *Michael J. Long*

License Info: MP0001294 Expires: 8/31/2025

**MJ Septic, LLC**  
1328 W Borgfeld  
San Antonio, TX 78260

Phone: (210) 875-3625

www.mjseptic.com mjseptic@mjseptic.com

To: **Jorge & Belen Moya**  
30806 Acacia Pass  
Bulverde, TX 78163

Printed: 7/28/2023  
Site: 30806 Acacia Pass  
Bulverde, TX 78163  
(210) 264-9811

Permit #: **108377**

Agency: Comal County Environmental Health  
County: Comal Sub: Acacia Ranch  
Mfg / Brand: Pro Flo Aerobic Systems, LP - Pro Flo Aerobic Systems, LP  
Treatment Type: Aerobic  
Disposal: Surface Application

Customer ID: 4648  
Contract Dates: 8/30/2022 - 8/30/2025  
Scheduled Date: 4/30/2023 Inspection 2 of 9  
Installed: 8/5/2019  
Warranty End: 8/5/2021

**Service Type: Scheduled Inspection**

This counts as a type of "Scheduled Inspection"

Visit Date: **5/8/2023**

Time In: 11:30 am

Out: 11:47 am

Entered By: Brianna Perez

Method: Other

Copy emailed to Customer  
Customer Emailed: 5/12/2023

Technician: Marcos Rubio

Copy emailed to the Agency  
Agency Emailed: 7/28/2023

Maint. Provider: Michael J. Long

Aerators: Operational

**Sludge Levels**

Filters: Operational

For Tank 1: 2"

Irrigation Pumps: Operational

Disinfection Device: Operational

Chlorine Supply: Operational

Chlorine Residual: 0.1mg/L

Chlorinator: Op

Tank Lid / Riser: Secured

Electric Circuits: Operational

Distribution System: Operational

Sprayfield Veg: Operational

Alarm: Operational

**Comments**

**Service Completed**

- Tech reset your timer. - Technician Secured the Tank Lid and/or Riser prior to leaving location. - \*Septic tank cleaning is recommended between 10 and 12 inches of sludge in the pump tank (tank 1) or unless otherwise recommended by technician for other reasons such as full trash tank, etc.\* - \*This inspection report is not valid for any real estate transactions\* - Copy emailed to the customer on 5/12/2023.

Insp ID #:52071

Provider: *Michael J. Long*

License Info: MP0001294 Expires: 8/31/2025



**MJ Septic, LLC**  
1328 W Borgfeld  
San Antonio, TX 78260

Phone: (210) 875-3625

www.mjseptic.com mjseptic@mjseptic.com

To: **Jorge & Belen Moya**  
30806 Acacia Pass  
Bulverde, TX 78163

Printed: 9/8/2023  
Site: 30806 Acacia Pass  
Bulverde, TX 78163  
(210) 264-9811

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Permit #: **108377** Customer ID: 4648  
Agency: Comal County Environmental Health Contract Dates: 8/30/2022 - 8/30/2025  
County: Comal Sub: Acacia Ranch Scheduled Date: 8/30/2023 Inspection 3 of 9  
Mfg / Brand: Pro Flo Aerobic Systems, LP - Pro Flo Aerobic Systems, LP Installed: 8/5/2019  
Treatment Type: Aerobic Warranty End: 8/5/2021  
Disposal: Surface Application

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**Service Type: Scheduled Inspection**

This counts as a type of "Scheduled Inspection"

**Visit Date: 8/9/2023**

Time In: 9:12 am

Out: 9:22 am

**Entered By: Brianna Perez**

**Method: Other**

Copy emailed to Customer  
Customer Emailed: 8/21/2023

**Technician: Steve Chavarria**

Copy emailed to the Agency  
Agency Emailed: 9/8/2023

**Maint. Provider: Michael J. Long**

**Aerators: Operational**

**Sludge Levels**

**Filters: Operational**

**For Tank 1: 6"**

**Irrigation Pumps: Operational**

**Disinfection Device: Operational**

**Chlorine Supply: Operational**

**Chlorine Residual: 0.1mg/L**

**Tank Lid / Riser: Secured**

**Electric Circuits: Operational**

**Distribution System: Operational**

**Sprayfield Veg: Operational**

**Alarm: Operational**

**Comments**

**Service Completed**

- Tech reset your timer. - Technician Secured the Tank Lid and/or Riser prior to leaving location. - \*Septic tank cleaning is recommended between 10 and 12 inches of sludge in the pump tank (tank 1) or unless otherwise recommended by technician for other reasons such as full trash tank, etc.\* - \*This inspection report is not valid for any real estate transactions\* - Copy emailed to the customer on 8/21/2023.

Insp ID #:54133

**Provider: *Michael J. Long***

License Info: MP0001294 Expires: 8/31/2025