



Comal County

OFFICE OF COMAL COUNTY ENGINEER

**License to Operate On-Site Sewage Treatment and Disposal Facility**

Issued This Date: 04/22/2019 Permit Number: 108126

Location Description: 8426 ORCHARD GLEN  
GARDEN RIDGE, TX 78266  
Subdivision: The Woodlands of Garden Ridge  
Unit: 1  
Lot: 3  
Block: 1  
Acreage:

Type of System: Aerobic  
Drip Irrigation

Issued to: Oswaldo & Yvonne Najera

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

  
OS8497  
ENVIRONMENTAL HEALTH INSPECTOR

  
ENVIRONMENTAL HEALTH COORDINATOR

OS0007722

## Comal County Environmental Health OSSF Inspection Sheet

Installer Name: J.B. Septic / Jim Blake OSSF Installer #: \_\_\_\_\_  
 1st Inspection Date: 9/20/18 2nd Inspection Date: \_\_\_\_\_ 3rd Inspection Date: ~~Mike T~~ 4/22/19  
 Inspector Name: Mike T. Inspector Name: \_\_\_\_\_ Inspector Name: Mike T  
 Permit#: 108126 Address: Woodlands of Garden Ridge / 8426 Orchard Glen

No.	Description	Adverse	Class	Notes	1st Insp.	2nd Insp.	3rd Insp.
1	SITE AND SOIL CONDITIONS & RETRACK DISTANCES Site and Soil Conditions Complied with Subsequent Planning Materials	✓	285.31(a) 285.30(b)(1)(A)(V) 285.30(b)(1)(A)(VI) 285.30(b)(1)(A)(VII) 285.30(b)(1)(A)(VIII) 285.30(b)(1)(A)(IX)	Prelim. - 9/20/18 site Good.	3/21/19		4/22/19
2	SITE AND SOIL CONDITIONS & RETRACK DISTANCES Setback Distances Meet Minimum Standards	✓	285.31(10) 285.30(b)(4) 285.31(8)				
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 Soils Tanks) Meet Minimum Requirements		285.32(b)(1)(G) 285.32(b)(1)(E)(II) 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)(III) 285.32(b)(1)(H)(I) 285.32(b)(1)(H)(II)				
7	PRETREATMENT Grease Interceptors if required for commercial		285.34(d)				

MT - Prelim. - 9/20/18 - site Good.  
 MT - 3/21/19

MT - 4/22/19  
 Covered & Sod.

Existing 600 Cleanstream  
 Removing sprayhead & using  
 drip field. Along w/  
 yard sprinklers need to be remove out of drip field.

**Comal County Environmental Health  
OSSF Inspection Sheet**

Inspection	Answer	Citation	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	✓		Existing 600	3/21/19	27/22/19
15 AEROBIC TREATMENT UNIT Manufacturer AEROBIC TREATMENT UNIT Model Number	✓		Clear stream		
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)(3) 285.33(a)(4) 285.33(a)(1) 285.33(a)(2)			

**Comal County Environmental Health  
OSSF Inspection Sheet**

Item	Description	Answer	Citations	Notes	1st Insp.	2nd Insp.	3rd Insp.
19	DISPOSAL SYSTEM Drip Irrigation	✓	285.33(a)(1) 285.33(a)(3) 285.33(a)(4) 285.33(a)(2)				4/22/19
20	DISPOSAL SYSTEM Soil Substitution		285.33(d)(4)				
21	DISPOSAL SYSTEM Pumped Effluent		285.33(a)(4) 285.33(a)(3) 285.33(a)(1)				
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 manufacturer's 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	Approved	Classifications	Notes	2nd Insp.	2nd Insp.	3rd Insp.
	<p>EFFLUENT DISPOSAL SYSTEM Utilized Only by Single Family Dwelling</p> <p>EFFLUENT DISPOSAL SYSTEM</p> <p>Topographic Slopes &lt; 2.0%</p> <p>EFFLUENT DISPOSAL SYSTEM Adequate Length of Drain Field ( 1000 Linear ft. for 2 bedrooms or Less &amp; an additional 400 ft. for each additional bedroom )</p> <p>EFFLUENT DISPOSAL SYSTEM Lateral Depth of 18 inches to 3 ft. &amp; Vertical Separation of 1ft on bottom and 2 ft. to restrictive horizon and ground water respectfully</p> <p>EFFLUENT DISPOSAL SYSTEM Lateral Drain Pipe (1.25 - 1.5" dia.) &amp; Pipe Holes ( 3/16 - 1/4" dia. Hole Size ) 5 ft. Apart</p>		<p>285.33(b)(3)(A)</p> <p>285.33(b)(3)(A)</p> <p>285.33(b)(3)(B)</p> <p>285.91(13)</p> <p>285.33(b)(3)(D)</p> <p>285.33(b)(3)(F)</p>				
32	<p>AEROBIC TREATMENT UNIT is Aerobic Unit Installed According to Approved Guidelines</p>	✓	285.33(c)(1)	Existing	3/21/19		4/22/19
33	<p>AEROBIC TREATMENT UNIT Inspection/Clean Out Port &amp; Risers Provided</p> <p>AEROBIC TREATMENT UNIT Secondary restraint system provided</p> <p>AEROBIC TREATMENT UNIT Riser permanently fastened to lid or cast into tank</p> <p>AEROBIC TREATMENT UNIT Riser cap protected against unauthorized intrusions</p>						
34	<p>AEROBIC TREATMENT UNIT Chlorinator Properly Installed with Chlorine Tablets in Place</p>						
35	<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>						
36	<p>PUMP TANK Inspection/Clean Out Port &amp; Risers Provided</p> <p>PUMP TANK Secondary restraint system provided</p> <p>PUMP TANK Riser permanently fastened to lid or cast into tank</p> <p>PUMP TANK Riser cap protected against unauthorized intrusions</p>						
37	<p>PUMP TANK Secondary restraint system provided</p>						
38							

Comal County Environmental Health  
OSSF Inspection Sheet

PUMP TANK Electrical Connections in Approved Junction Boxes / Wiring Buried	✓			3/21/19	4/22/19
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**Comal County Environmental Health  
OSSF Inspection Sheet**

No.	Description	Answer	Citations	Notes	1st Insp.	2nd Insp.	3rd Insp.
40	APPLICATION AREA Description Open Space, Turfgrass, etc. & Other Open Space Purpose?	✓	285.33(d)(2)(G)(III)(i) 285.33 3(d)(2)(G)(III)(ii) 285.33(d) 2(G)(v) 285.33(d)(2)(G)(iii) 285.33(d)(2)(G)(iv) 285.33(d)(2)(G)(i) 285.33(d)(2)(G)(ii) 285.33(d)(2)(G)(iii)(I)		3/21/19		4/22/19
41	APPLICATION AREA Lawn Height Exceeds Limit / Pressure Is as Required APPLICATION AREA Accessible Area, within 10 ft of Sprinkler Heads? APPLICATION AREA The Landscape Plan Is as Designed	✓	285.33(d)(2)(G)(i) 285.33(d)(2)(A) 285.33(d)(2)(F)				
42	APPLICATION AREA Area Installed	✓					
43	PUMP TANK Meets Minimum Reserve Capacity Requirements						
44	PUMP TANK Material Type & Manufacturer						
45	PUMP TANK Type/Size of Pump Installed						

## Comal County Environmental Health OSSF Inspection Sheet

Installer Name: J.B. Septic / Jim Blake OSSF Installer #: \_\_\_\_\_

1st Inspection Date: 9/20/18 2nd Inspection Date: \_\_\_\_\_ 3rd Inspection Date: \_\_\_\_\_

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

Permit#: 108126 Address: Woodlands of Garden Ridge / 8426 Orchard Glen.

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)	Prelim. - 9/20/18 Site Good.	3/21/19		
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 - Prelim. - 9/20/18 - site Good.

MT - 3/21/19

Existing 600 Cleanstream  
Removing spray head & using  
Drip ~~field~~ Field. Alows w/  
yard sprinklers need to be remove out of drip field.



**Comal County Environmental Health  
OSSF Inspection Sheet**

No.	Description	Answer	Citations	Notes	1st Insp.	2nd Insp.	3rd Insp.
8	SEPTIC TANK Tank(s) Clearly Marked SEPTIC TANK If Single Tank, 2 Compartments Provided with Baffle SEPTIC TANK Inlet Flowline Greater than 3" and " T " Provided on Inlet and Outlet SEPTIC TANK Septic Tank(s) Meet Minimum Requirements		285.32(b)(1)(E) 285.91(2) 285.32(b)(1)(F) 285.32(b)(1)(E)(iii) 285.32(b)(1)(E)(ii)(II) 285.32(b)(1)(E)(ii)(I) 285.32(b)(1)(E)(i) 285.32(b)(1)(D) 285.32(b)(1)(C)(ii) 285.32(b)(1)(C)(i) 285.32(b)(1)(B) 285.32(b)(1)(A) 285.32(b)(1)(E)(iv)				
9	ALL TANKS Installed on 4" Sand Cushion/ Proper Backfill Used		285.32(b)(1)(F) 285.32(b)(1)(G) 285.34(b)				
10	SEPTIC TANK Inspection / Clean Out Port & Risers Provided on Tanks Buried Greater than 12" Sealed and Capped		285.38(d)				
11	SEPTIC TANK Secondary restraint system provided SEPTIC TANK Riser permanently fastened to lid or cast into tank SEPTIC TANK Riser cap protected against unauthorized intrusions		285.38(d) 285.38(e)				
12	SEPTIC TANK Tank Volume Installed						
13	PUMP TANK Volume Installed						
14	AEROBIC TREATMENT UNIT Size Installed	✓		Existing 600	3/21/19		
15	AEROBIC TREATMENT UNIT Manufacturer AEROBIC TREATMENT UNIT Model Number	✓		Clear stream			
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)				
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**Comal County Environmental Health  
OSSF Inspection Sheet**

No.	Description	Answer	Citations	Notes	1st Insp.	2nd Insp.	3rd Insp.
19	DISPOSAL SYSTEM Drip Irrigation		285.33(a)(1) 285.33(a)(3) 285.33(a)(4) 285.33(a)(2)				
20	DISPOSAL SYSTEM Soil Substitution		285.33(d)(4)				
21	DISPOSAL SYSTEM Pumped Effluent		285.33(a)(4) 285.33(a)(3) 285.33(a)(1)				
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**

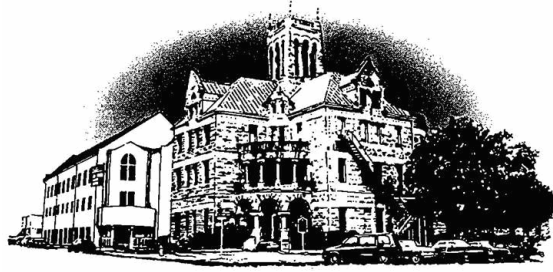
No.	Description	Answer	Citations	Notes	1st Insp.	2nd Insp.	3rd Insp.
	<p>EFFLUENT DISPOSAL SYSTEM Utilized Only by Single Family Dwelling</p> <p>EFFLUENT DISPOSAL SYSTEM Topographic Slopes &lt; 2.0%</p> <p>EFFLUENT DISPOSAL SYSTEM Adequate Length of Drain Field ( 1000 Linear ft. for 2 bedrooms or Less &amp; an additional 400 ft. for each additional bedroom )</p> <p>EFFLUENT DISPOSAL SYSTEM Lateral Depth of 18 inches to 3 ft. &amp; Vertical Separation of 1ft on bottom and 2 ft. to restrictive horizon and ground water respectfully</p> <p>EFFLUENT DISPOSAL SYSTEM Lateral Drain Pipe (1.25 - 1.5" dia.) &amp; Pipe Holes ( 3/16 - 1/4" dia. Hole Size ) 5 ft. Apart</p>		<p>285.33(b)(3)(A)</p> <p>285.33(b)(3)(A)</p> <p>285.33(b)(3)(B)</p> <p>285.91(13)</p> <p>285.33(b)(3)(D)</p> <p>285.33(b)(3)(F)</p>				
32							
	<p>AEROBIC TREATMENT UNIT is Aerobic Unit Installed According to Approved Guidelines.</p>	✓	285.32(c)(1)	<i>Existing</i>	3/21/19		
33							
	<p>AEROBIC TREATMENT UNIT Inspection/Clean Out Port &amp; Risers Provided</p> <p>AEROBIC TREATMENT UNIT Secondary restraint system provided</p> <p>AEROBIC TREATMENT UNIT Riser permanently fastened to lid or cast into tank</p> <p>AEROBIC TREATMENT UNIT Riser cap protected against unauthorized intrusions</p>						
34							
	<p>AEROBIC TREATMENT UNIT Chlorinator Properly Installed with Chlorine Tablets in Place.</p>						
35							
	<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>						
36							
	<p>PUMP TANK Inspection/Clean Out Port &amp; Risers Provided</p> <p>PUMP TANK Secondary restraint system provided</p> <p>PUMP TANK Riser permanently fastened to lid or cast into tank</p> <p>PUMP TANK Riser cap protected against unauthorized intrusions</p>						
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	<p>PUMP TANK Secondary restraint system provided</p>						
38							

Comal County Environmental Health  
OSSF Inspection Sheet

39 PUMP TANK Electrical Connections In Approved Junction Boxes / Wiring Buried	✓			3/21/19		
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**Comal County Environmental Health  
OSSF Inspection Sheet**

No.	Description	Answer	Citations	Notes	1st Insp.	2nd Insp.	3rd Insp.
40	APPLICATION AREA Distribution Pipe, Fitting, Sprinkler Heads & Valve Covers Color Coded Purple?	✓	285.33(d)(2)(G)(iii)(II)285.33(d)(2)(G)(iii)(III)285.33(d)(2)(G)(v) 285.33(d)(2)(G)(iii) 285.33(d)(2)(G)(iv) 285.33(d)(2)(G)(i) 285.33(d)(2)(G)(ii) 285.33(d)(2)(G)(iii)(I)		3/21/19 		
41	APPLICATION AREA Low Angle Nozzles Used / Pressure is as required APPLICATION AREA Acceptable Area, nothing within 10 ft of sprinkler heads? APPLICATION AREA The Landscape Plan is as Designed	✓	285.33(d)(2)(G)(I) 285.33(d)(2)(A) 285.33(d)(2)(F)				
42	APPLICATION AREA Area Installed						
43	PUMP TANK Meets Minimum Reserve Capacity Requirements						
44	PUMP TANK Material Type & Manufacturer						
45	PUMP TANK Type/Size of Pump Installed						



# Comal County

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: 108126  
Issued This Date: 09/21/2018  
This permit is hereby given to: Oswaldo & Yvonne Najera

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

8426 ORCHARD GLEN  
GARDEN RIDGE, TX 78266

Subdivision: The Woodlands of Garden Ridge  
Unit: 1  
Lot: 3  
Block: 1  
Acreage:

APPROVED MINIMUM SIZES AS PER ATTACHED DESIGN

Type of System: Aerobic  
Drip Irrigation

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

Call (830) 608-2090 to schedule inspections.

## Comal County Environmental Health OSSF Inspection Sheet

Installer Name: \_\_\_\_\_ OSSF Installer #: \_\_\_\_\_

1st Inspection Date: 9/20/18 2nd Inspection Date: \_\_\_\_\_ 3rd Inspection Date: \_\_\_\_\_

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

Permit#: 108126 Address: Woodlands of Garden Ridge / 8426 Orchard Glen.

No.	Description	Answer	Citations	Notes	1st Insp.	2nd Insp.	3rd Insp.
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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)(III) 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 - Prelim. - 9/20/18 - Site Good.*

**Comal County Environmental Health  
OSSF Inspection Sheet**

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



**Comal County Environmental Health  
OSSF Inspection Sheet**

No.	Description	Answer	Citations	Notes	1st Insp.	2nd Insp.	3rd Insp.
19	DISPOSAL SYSTEM Drip Irrigation		285.33(a)(1) 285.33(a)(3) 285.33(a)(4) 285.33(a)(2)				
20	DISPOSAL SYSTEM Soil Substitution		285.33(d)(4)				
21	DISPOSAL SYSTEM Pumped Effluent		285.33(a)(4) 285.33(a)(3) 285.33(a)(1) 285.33(a)(2)				
22	DISPOSAL SYSTEM Gravelless Pipe		285.33(a)(3) 285.33(a)(2) 285.33(a)(4) 285.33(a)(1)				
23	DISPOSAL SYSTEM Mound		285.33(a)(3) 285.33(a)(1) 285.33(a)(2) 285.33(a)(4)				
24	DISPOSAL SYSTEM Other (describe) (Approved Design)		285.33(d)(6) 285.33(c)(4)				
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.
32	<p>EFFLUENT DISPOSAL SYSTEM Utilized Only by Single Family Dwelling</p> <p>EFFLUENT DISPOSAL SYSTEM Topographic Slopes &lt; 2.0%</p> <p>EFFLUENT DISPOSAL SYSTEM Adequate Length of Drain Field ( 1000 Linear ft. for 2 bedrooms or Less &amp; an additional 400 ft. for each additional bedroom )</p> <p>EFFLUENT DISPOSAL SYSTEM Lateral Depth of 18 inches to 3 ft. &amp; Vertical Separation of 1ft on bottom and 2 ft. to restrictive horizon and ground water respectfully</p> <p>EFFLUENT DISPOSAL SYSTEM Lateral Drain Pipe (1.25 - 1.5" dia.) &amp; Pipe Holes ( 3/16 - 1/4" dia. Hole Size ) 5 ft. Apart</p>		<p>285.33(b)(3)(A)</p> <p>285.33(b)(3)(A)</p> <p>285.33(b)(3)(B)</p> <p>285.91(13)</p> <p>285.33(b)(3)(D)</p> <p>285.33(b)(3)(F)</p>				
33	<p>AEROBIC TREATMENT UNIT Is Aerobic Unit Installed According to Approved Guidelines.</p>		285.32(c)(1)				
34	<p>AEROBIC TREATMENT UNIT Inspection/Clean Out Port &amp; Risers Provided</p> <p>AEROBIC TREATMENT UNIT Secondary restraint system provided</p> <p>AEROBIC TREATMENT UNIT Riser permanently fastened to lid or cast into tank</p> <p>AEROBIC TREATMENT UNIT Riser cap protected against unauthorized intrusions</p>						
35	<p>AEROBIC TREATMENT UNIT Chlorinator Properly Installed with Chlorine Tablets in Place.</p>						
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>						
37	<p>PUMP TANK Inspection/Clean Out Port &amp; Risers Provided</p> <p>PUMP TANK Secondary restraint system provided</p> <p>PUMP TANK Riser permanently fastened to lid or cast into tank</p> <p>PUMP TANK Riser cap protected against unauthorized intrusions</p>						
38	<p>PUMP TANK Secondary restraint system provided</p>						

**Comal County Environmental Health  
OSSF Inspection Sheet**

39	PUMP TANK Electrical Connections in Approved Junction Boxes / Wiring Buried						
----	---	--	--	--	--	--	--

**Comal County Environmental Health  
OSSF Inspection Sheet**

No.	Description	Answer	Citations	Notes	1st Insp.	2nd Insp.	3rd Insp.
40	APPLICATION AREA Distribution Pipe, Fitting, Sprinkler Heads & Valve Covers Color Coded Purple?		285.33(d)(2)(G)(iii)(II)285.33(d)(2)(G)(iii)(III)285.33(d)(2)(G)(v) 285.33(d)(2)(G)(iii) 285.33(d)(2)(G)(iv) 285.33(d)(2)(G)(i) 285.33(d)(2)(G)(ii) 285.33(d)(2)(G)(iii)(I)				
41	APPLICATION AREA Low Angle Nozzles Used / Pressure is as required APPLICATION AREA Acceptable Area, nothing within 10 ft of sprinkler heads? APPLICATION AREA The Landscape Plan is as Designed		285.33(d)(2)(G)(i) 285.33(d)(2)(A) 285.33(d)(2)(F)				
42	APPLICATION AREA Area Installed						
43	PUMP TANK Meets Minimum Reserve Capacity Requirements						
44	PUMP TANK Material Type & Manufacturer						
45	PUMP TANK Type/Size of Pump Installed						

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

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

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

MJR  
Signature of Applicant

09/18/18  
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 August 8, 2018

Permit # 108126

Owner Name OSWALDO NAJERA & YVONNE PORRAS NAJERA
Mailing Address 8426 ORCHARD GLEN
City, State, Zip GARDEN RIDGE TEXAS 78266
Phone# 830-899-5691 - Katie
Email cedarhillseptics@gmail.com

Agent Name GREG W. JOHNSON, P.E.
Agent Address 170 HOLLOW OAK
City, State, Zip NEW BRAUNFELS, TX 78132
Phone # (830) 905-2778
Email gregjohnsonpe@yahoo.com

All correspondence should be sent to: [ ] Owner [X] Agent [ ] Both Method: [ ] Mail [X] Email

Subdivision Name THE WOODLANDS OF GARDEN RIDGE Unit/Phase/Section 1 Lot 3 Block 1
Acreage/Legal
Street Name/Address 8426 ORCHARD GLEN City GARDEN RIDGE Zip 78266

Type of Development:

[X] Single Family Residential

Type of Construction (House, Mobile, RV, Etc.) HOUSE
Number of Bedrooms 5
Indicate Sq Ft of Living Area 3925

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[ ] Commercial or Institutional Facility

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

Type of Facility
Offices, Factories, Churches, Schools, Parks, Etc. - Indicate Number Of Occupants
Restaurants, Lounges, Theaters - Indicate Number of Seats
Hotel, Motel, Hospital, Nursing Home - Indicate Number of Beds
Travel Trailer/RV Parks - Indicate Number of Spaces
Miscellaneous

Estimated Cost of Construction: \$ EXISTING (Structure Only)

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

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

Source of Water [X] Public [ ] Private Well

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

By signing this application, I certify that:

- the completed application and all additional information submitted does not contain any false information and does not conceal any material facts.
-Authorization is hereby given to the permitting authority and designated agents to enter upon the above described property for the purpose of site/soil evaluation and inspection of private sewage facilities.
-I also understand that a permit of authorization to construct will not be issued until the 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.

Signature of Owner Yvonne Porras Najera

Date 8-19-18

\*\*\* 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 GREG W. JOHNSON, P.E.

System Description PROPRIETARY; AEROBIC TREATMENT AND DRIP TUBING

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

Tank Size(s) (Gallons) Existing (#104197) CLEARSTREAM 600 NC2 & 1200 GAL PUMP TANK Absorption/Application Area (Sq Ft) 3000

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.))

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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.)

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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 P.E. or R.S. 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: GARDEN RIDGE



FIRM #2585

By signing this application, I certify that:

- The information provided above is true and correct to the best of my knowledge.
- I affirmatively consent to the online posting/public release of my e-mail address associated with this permit application, as applicable

[Signature]  
Signature of Designer

August 9, 2018  
Date

AFFIDAVIT

THE COUNTY OF COMAL  
STATE OF TEXAS



201806036888 09/18/2018 11:20:16 AM 1/1

CERTIFICATION OF OSSF REQUIRING MAINTENANCE

According to Texas Commission on Environmental Quality Rules for On-Site Sewage Facilities (OSSF's), this document is filed in the Deed Records of Comal County, Texas.

I

The Texas Health and Safety Code, Chapter 366 authorizes the Texas Commission on Environmental Quality (TCEQ) to regulate on-site sewage facilities (OSSFs). Additionally, the Texas Water Code (TWC), § 5.012 and § 5.013, gives the commission primary responsibility for implementing the laws of the State of Texas relating to water and adopting rules necessary to carry out its powers and duties under the TWC. The commission, under the authority of the TWC and the Texas Health and Safety code, requires owner's to provide notice to the public that certain types of OSSFs are located on specific pieces of property. To achieve this notice, the commission requires a recorded affidavit. Additionally, the owner must provide proof of the recording to the OSSF permitting authority. This recorded affidavit is not a representation or warranty by the commission of the suitability of this OSSF, nor does it constitute any guarantee by the commission that the appropriate OSSF was installed.

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II

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

1 UNIT/PHASE/SECTION 1 BLOCK 3 LOT THE WOODLANDS OF GARDEN RIDGE SUBDIVISION

IF NOT IN SUBDIVISION: \_\_\_\_\_ ACREAGE \_\_\_\_\_ SURVEY \_\_\_\_\_

The property is owned by (insert owner's full name): OSWALDO NAJERA & YVONNE PORRAS NAJERA

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

Upon sale or transfer of the above-described property, the permit for the OSSF shall be transferred to the buyer or new owner. A copy of the planning materials for the OSSF can be obtained from the Comal County Engineer's Office.

WITNESS BY HAND(S) ON THIS 17 DAY OF SEPTEMBER, 20 18

[Signature]  
Owner(s) signature(s)

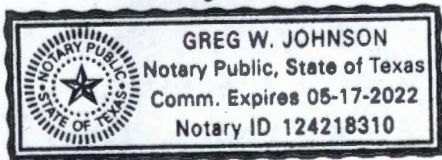
OSWALDO NAJERA / YVONNE NAJERA  
Owner (s) Printed name (s)

OSWALDO & YVONNE PORRAS NAJERA  
SEPTEMBER, 20 18

SWORN TO AND SUBSCRIBED BEFORE ME ON THIS 17 DAY OF

[Signature]  
Notary Public Signature

THIS AREA FOR COMAL COUNTY CLERK RECORDING PURPOSES ONLY



(Notary Seal Here)

Filed and Recorded  
Official Public Records  
Bobbie Koepf, County Clerk  
Comal County, Texas  
09/18/2018 11:20:16 AM  
TERRI 1 Page(s)  
201806036888



Bobbie Koepf



**ON-SITE SEWERAGE FACILITY  
SOIL EVALUATION REPORT INFORMATION**

Date Soil Survey Performed: August 08, 2018

Site Location: The WOODLANDS of GARDEN RIDGE, UNIT 1, BLOCK 1, LOT 3

Proposed Excavation Depth: N/A

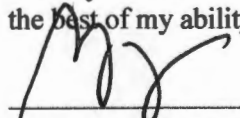
**Requirements:**

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

SOIL BORING NUMBER		SURFACE EVALUATION				
Depth (Feet)	Texture Class	Soil Texture	Gravel Analysis	Drainage (Mottles/ Water Table)	Restrictive Horizon	Observations
0	III	CLAY LOAM	N/A	NONE OBSERVED	LIMESTONE @ 10"	BROWN  RECEIVED SEP 18 2018  COUNTY ENGINEER
10"						
1						
2						
3						
4						
5						

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

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

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

08/08/18  
Date

**OSSF SOIL EVALUATION REPORT INFORMATION**

**Date:** August 09, 2018

**Applicant Information:**

Name: OSWALDO & YVONNE PORRAS NAJERA  
Address: 8426 ORCHARD GLEN  
City: GARDEN RIDGE State: TEXAS  
Zip Code: 78266 Phone: (830) 899-5691

**Site Evaluator Information:**

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

**Property Location:**

Lot 3 Unit 1 Blk 1 Subd. The WOODLANDS of GARDEN RIDGE  
Street Address: 8426 ORCHARD GLEN  
City: GARDEN RIDGE Zip Code: 78266  
Additional Info.: \_\_\_\_\_

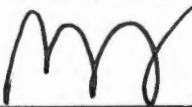
**Installer Information:**

Name: \_\_\_\_\_  
Company: \_\_\_\_\_  
Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_  
Zip Code: \_\_\_\_\_ Phone \_\_\_\_\_

**Topography:** Slope within proposed disposal area: 6 %  
Presence of 100 yr. Flood Zone: YES \_\_\_ NO X  
Existing or proposed water well in nearby area. YES \_\_\_ NO X  
Presence of adjacent ponds, streams, water impoundments YES \_\_\_ NO X  
Presence of upper water shed YES \_\_\_ NO X  
Organized sewage service available to lot YES \_\_\_ NO X

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I HAVE PERFORMED A THOROUGH INVESTIGATION BEING A REGISTERED PROFESSIONAL ENGINEER AND SITE EVALUATOR IN ACCORDANCE WITH CHAPTER 285, SUBCHAPTER D, §285.30, & §285.40 (REGARDING RECHARGE FEATURES), TEXAS COMMISSION OF ENVIRONMENTAL QUALITY (EFFECTIVE DECEMBER 27, 2012).

  
\_\_\_\_\_  
GREG W. JOHNSON, P.E. 67587 - S.E. 11561

08/09/18  
DATE



**FIRM #2585**

**AEROBIC TREATMENT  
DRIP TUBING SYSTEM  
DESIGNED FOR:  
OSWALDO & YVONNE PORRAS NAJERA  
8426 ORCHARD GLEN  
GARDEN RIDGE, TEXAS 78266**

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**SITE DESCRIPTION:**

Located in The Woodlands of Garden Ridge, Unit 1, Block 1, Lot 3 at 8426 Orchard Glen, the proposed system will serve an existing five bedroom residence (3925 sf.) situated in an area with shallow Type III soil as described in the Soil Evaluation Report. Native grasses and oak trees were found throughout this property. An aerobic treatment plant utilizing drip irrigation was chosen as the most appropriate system to serve the conditions on this lot.

**PROPOSED SYSTEM:**

A 3-inch SCH-40 pipe discharges from the residence into an existing Clearstream NC2 600 gpd aerobic plant (#104197) containing a 500-gallon pretreatment tank, an aerobic treatment plant, followed by an existing 1200-gallon pump tank containing a submersible (0.5 HP Clearstream P-20 or equivalent) well pump. The well pump is activated by a time controller allowing the distribution ten times per day with an 8 minute run time with float setting at 360 gallons. A high level audible and visual alarm will activate should the pump fail. Distribution is through a self flushing 100 micron disc filter (Arkal) then through a 1" SCH-40 manifold to a 3000 sf. drip tubing field, with *Netifim Bioline* drip lines set approximately two feet apart with **0.61 gph** emitters set every two feet, as per the attached schematic. A pressure regulator PMR-MF 30 psi installed in the pump tank on the manifold to the field will maintain pressure at 30 psi. A 1" SCH-40 return line is installed to continuously flush the system by cycling a 1" ball valve. Solids caught in the Arkal disk filter are flushed each cycle back to the trash tank. Vacuum breakers installed at the highest point on each manifold will prevent siphoning of effluent from higher to lower parts of the field. Field area will be scarified and built up with ~4" of Type II or Type III soil, then the drip tubing will be laid and capped with ~6" of Type II or Type III soil (**NOT SAND**). The field area will be sodded with grass prior to system startup. **Tank must have at grade risers on each opening with watertight caps that must be at least 65# or have a padlock or can only be removed with tools. A secondary plug, cap, or suitable restraint must be provided below riser cap to prevent tank entry should the cap be damaged or removed, in compliance with Chapter §285.38.**

**DESIGN SPECIFICATIONS:**

Daily waste flow: 5 Br. Res  $Q=(5+1)*75-(20\%) = 360$  GPD

Pretreatment tank size: 500 Gal

Plant Size: Clearstream NC2 600gpd (TCEQ Approved)(#104197)  
 Pump tank size: 1200 Gal (#104197)  
 Reserve capacity after High Level: 120 Gal (1/3 day Req'd)  
 Application Rate: Ra = 0.2 gal/sf  
 Total absorption area: Q/Ra = 360 GPD/0.20 = 1800 sf. (Actual 3000 sf.)  
 Total linear feet drip tubing: 1500' *Netifim Bioline* drip tubing .61 GPH  
 Pump requirement: 750 emitters @ .61 gph @ 30 psi = 7.625 gpm  
 Pump Requirement (cont.): (0.5 HP Clearstream P-20 pump or equiv.)  
 MINIMUM SCOUR VELOCITY (MSV) > 2 FPS  
 IN DRIP TUBING W/ NOM. DIA. 0.55" ID

$MSV = 2 \text{ FPS } (\pi d \uparrow 2) / 4 * 7.48 \text{ gal/cf} * 60 \text{ sec/min}$   
 $MSV = 2(3.14159((.55/12)\uparrow 2) / 4) * 7.48 * 60$   
 $MSV = 1.5 \text{ gpm PER LINE} * 5 \text{ LINES} = 7.5 \text{ GPM MIN FLOW RATE}$

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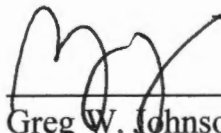
IN RETURN MANIFOLD W/ NOM. DIA 1.049" ID  
 $MSV = 2 \text{ FPS } (\pi d \uparrow 2) / 4 * 7.48 \text{ gal/cf} * 60 \text{ sec/min}$   
 $MSV = 2(3.14159((1.049/12)\uparrow 2) / 4) * 7.48 * 60$   
 $MSV = 5.4 \text{ GPM}$

COUNTY ENGINEER

**PIPE AND FITTINGS:**

All pipes and fittings in this drip tubing system shall be 1" schedule 40 PVC. All joints shall be sealed with approved solvent-type PVC cement. Clipper type cutters are recommended to prevent PVC burrs during cutting of pipes causing possible plugging.

Designed in accordance with Chapter 285, Subchapter D, §285.30 and §285.40 Texas Commission On Environmental Quality. (Effective December 29,2016)

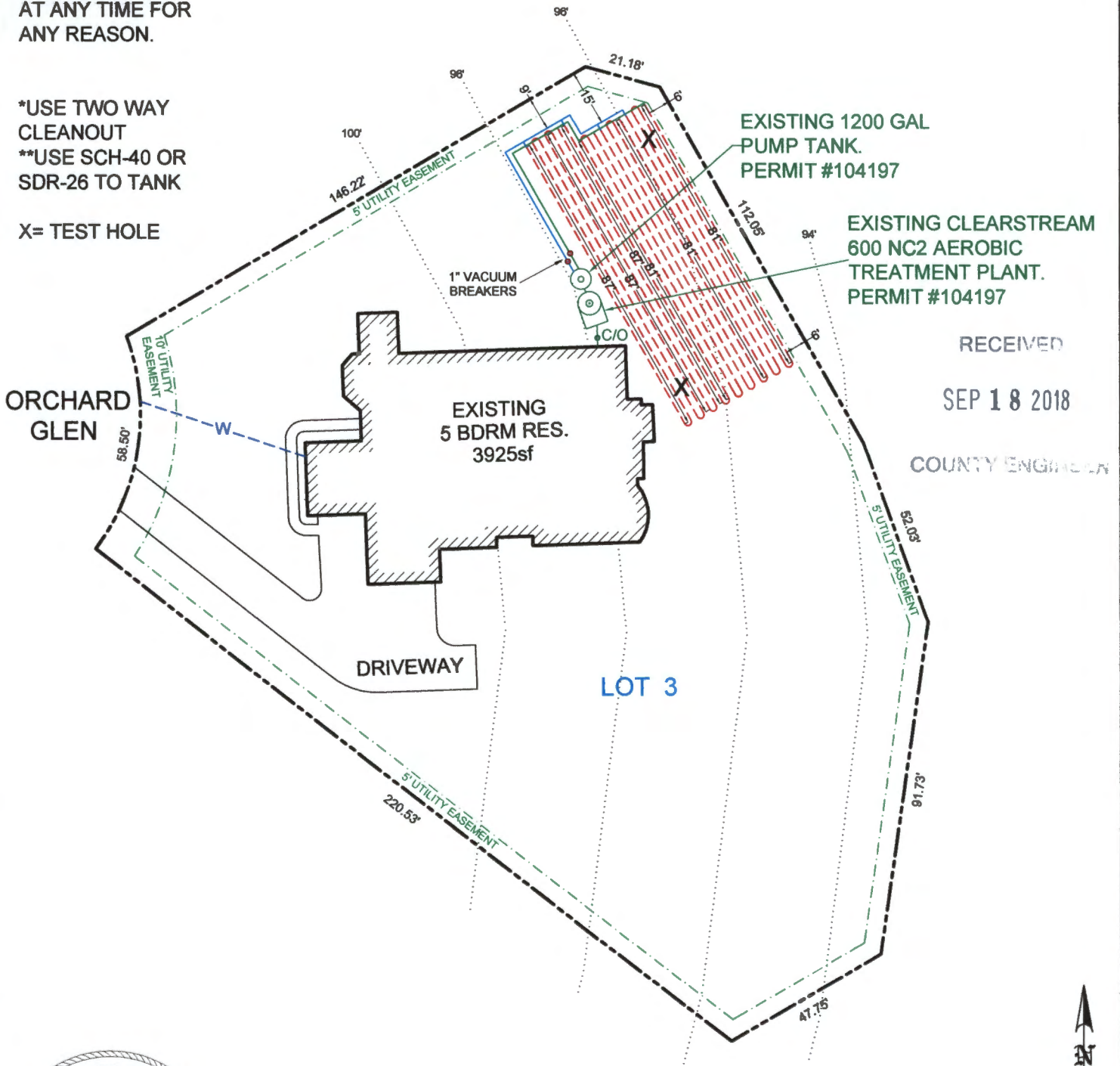
 08/09/18  
 \_\_\_\_\_  
 Greg W. Johnson, P.E. No. 67587 / F-2585  
 170 Hollow Oak  
 New Braunfels, Texas 78132  
 830/905-2778



INSTALL 3000sf OF  
FIELD USING 1500'  
OF DRIP TUBING.  
THERE SHALL BE NO  
PARKING, DRIVING  
OR STORAGE ON  
THE SEPTIC FIELD  
AT ANY TIME FOR  
ANY REASON.

\*USE TWO WAY  
CLEANOUT  
\*\*USE SCH-40 OR  
SDR-26 TO TANK

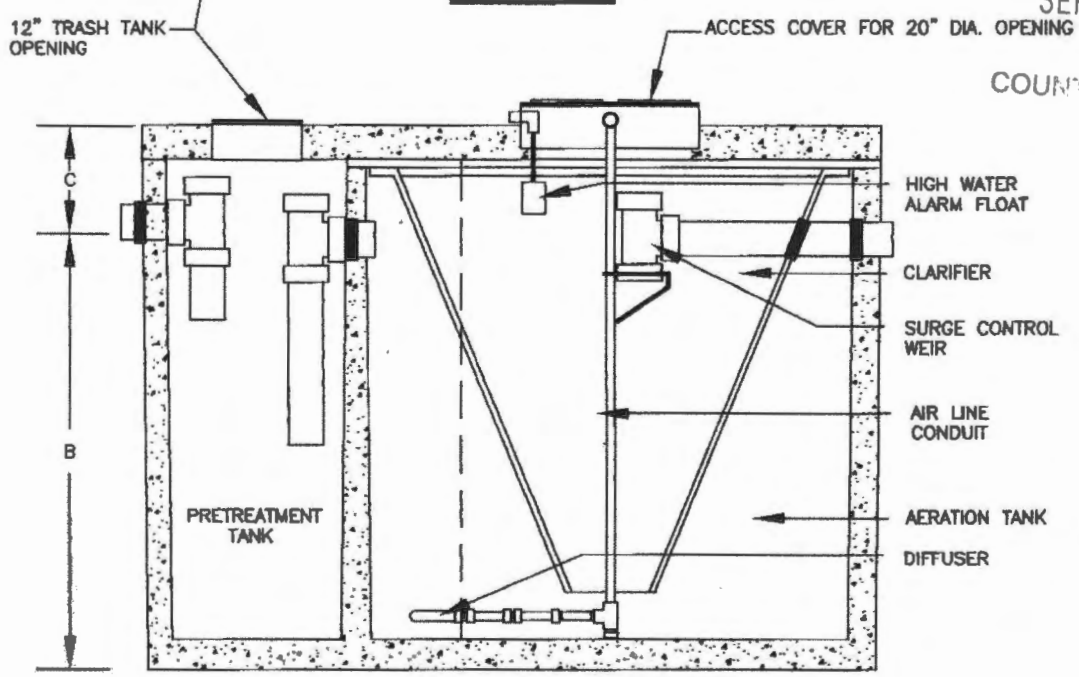
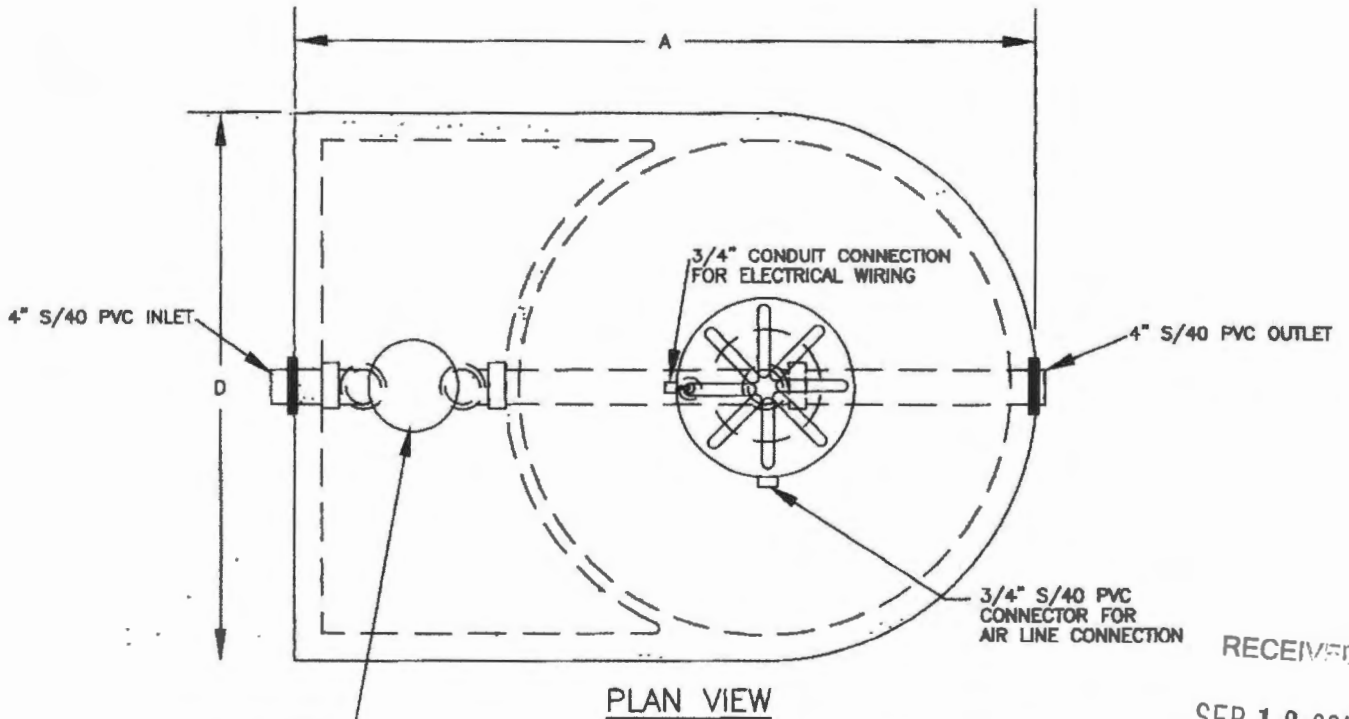
X= TEST HOLE



OWNER: OSWALDO & YVONNE PORRAS NAJERA		DRAWN BY: EJS III		
STREET ADDRESS: 8426 ORCHARD GLEN				
LEGAL DESC: The WOODLANDS of GARDEN RIDGE	UNIT/SECTION/PHASE: 1	BLOCK: 1	LOT: 3	
PREPARED BY: GREG W. JOHNSON, P.E. F#002585	SCALE: 1"=40'	DATE: 8/9/2018	REVISED:	



DESIGN DRAWINGS



MODEL NC2  
SECTION

DIMENSIONAL DATA

MODEL	A	B	C	D
500 NC2	104"	60"	10-1/2"	75"
600 NC2	107"	60"	10-1/2"	82"
750 NC2	107"	70"	10-1/2"	82"
800 NC2	107"	72"	8-1/2"	82"



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2535  
08/09/13

## TANK NOTES:

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

Tightlines to the tank shall be SCH-40 PVC.

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

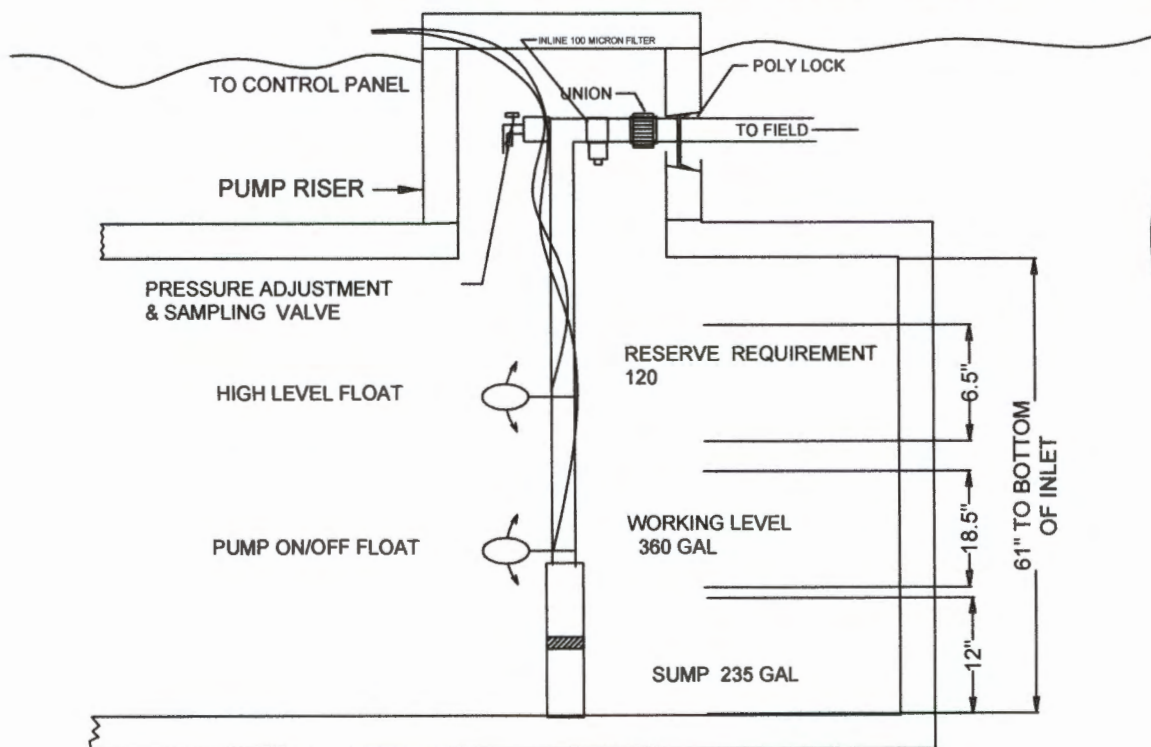
A minimum of 4" of sand, sandy loam, clay loam free of rock shall be placed under and around tanks

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ALL WIRING MUST BE IN COMPLIANCE WITH  
THE MOST RECENT NATIONAL ELECTRIC CODE

COUNTY ENGINEER



### TYPICAL PUMP TANK CONFIGURATION CLEARSTREAM 1200 GAL PUMP TANK

# Arkal 1" Super Filter

Catalog No. 1102 0 \_ \_ \_

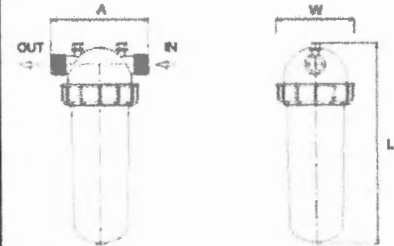
## Features

- A "T" shaped filter with two 1" male threads.
- A "T" volume filter for in-line installation on 1" pipelines.
- The filter prevents clogging due to its enlarged filtering area that collects sediments and particles.
- Manufactured entirely from fiber reinforced plastic.
- A cylindrical column of grooved discs constitutes the filter element.
- Spring keeps the discs compressed.
- Screw-on filter cover.
- Filter discs are available in various filtration grades.



## Technical Data

Inlet/outlet diameter	1" BSPT (male)	1" NPT (male)
	25.0 mm – nominal diameter	
	33.6 mm – pipe diameter (O. D.)	
Maximum pressure	10 atm	145 psi
Maximum flow rate	8 m <sup>3</sup> /h (1.7 l/sec)	35 gpm
General filtration area	500 cm <sup>2</sup>	77.5 in <sup>2</sup>
Filtration volume	600 cm <sup>3</sup>	37 in <sup>3</sup>
Filter length L	340 mm	13 13/32"
Filter width W	130 mm	5 3/32"
Distance between end connections A	158 mm	6 7/32"
Weight	1.420 kg	3.13 lbs.
Maximum temperature	70° C	158 °F
pH	5-11	5-11



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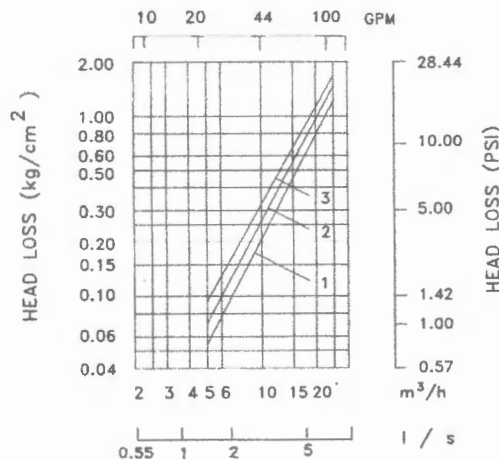
SEP 18 2018

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## Filtration Grades

- Blue (400 micron / 40 mesh)
- Yellow (200 micron / 80 mesh)
- Red (130 micron / 120 mesh)
- Black (100 micron / 140 mesh)
- Green (55 micron)

## Head Loss Chart

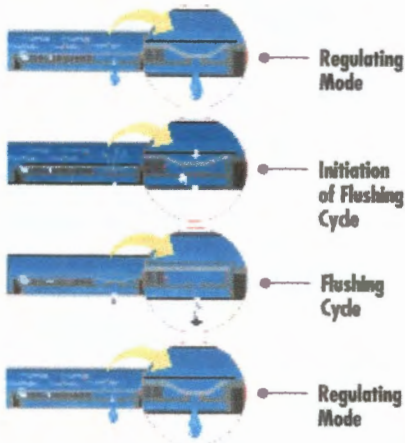






# Bioline® Dripperline

## Pressure Compensating Dripperline for Wastewater



Bioline's Self-Cleaning, Pressure Compensating Dripper is a fully self-contained unit molded to the interior wall of the dripper tubing.

As shown at left, BioLine is continuously self-cleaning during operation, not just at the beginning and end of a cycle. The result is dependable, clog free operation, year after year.



### Product Advantages

#### The Proven Performer

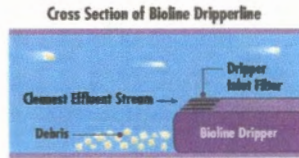
- Tens of millions of feet used in wastewater today.
- Bioline is permitted in every state allowing drip disposal.
- Backed by the largest, most quality-driven manufacturer of drip products in the U.S.
- Preferred choice of major wastewater designers and regulators.
- Proven track record of success for many years of hard use in wastewater applications.

#### Quality Manufacturing with Specifications Designed to Meet Your Needs

- Pressure compensating drippers assure the highest application uniformity - even on sloped or rolling terrain.
- Excellent uniformity with runs of 400 feet or more - reducing installation costs.
- Highest quality-control standards in the industry: Cv of 0.25 (coefficient of manufacturer's variation).
- A selection of flows and spacings to satisfy the designer's demand for almost any application rate.

#### Long-Term Reliability

- Protection against plugging:
  - Dripper inlet raised 0.27" above wall of tubing to prevent sediment from entering dripper.
  - Drippers impregnated with Vinyzene to prevent buildup of microbial slime.
  - Unique self-flushing mechanism passes small particles before they can build up.



#### Root Safe

- A physical barrier on each BioLine dripper helps prevent root intrusion.
- Protection never wears out - never depletes - releases nothing to the environment.
- Working reliably for up to 15 years in subsurface wastewater installations.
- Additional security of chemical root inhibition with Techfilter - supplies Trifluralin to the entire system, effectively inhibiting root growth to the dripper outlets.



### Applications

- For domestic strength wastewater disposal.
- Installed following a treatment process.
- Can be successfully used on straight septic effluent with proper design, filtration and operation.
- Suitable for reuse applications using municipally treated effluent designated for irrigation water.

### Specifications

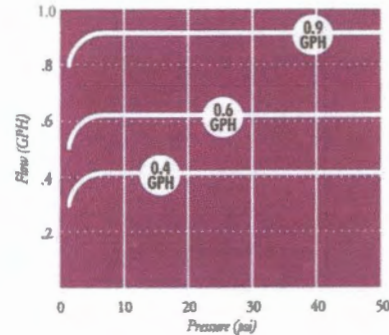
Wall thickness (mil): 45\*  
 Nominal flow rates (GPH): .4, .6, .9\*  
 Common spacings: 12", 18", 24"\*  
 Recommended filtration: 120 mesh  
 Inside diameter: .570"  
 Color: Purple tubing indicates non-potable source

\*Additional flows, spacings, and pipe sizes available by request. Please contact Netafim USA Customer Service for details.

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### BIOLINE Flow Rate vs. Pressure



**NETAFIM USA**  
 5470 E. Home Ave. • Fresno, CA 93727  
 888.638.2346 • 559.453.6800  
 FAX 800.695.4753  
[www.netafimusa.com](http://www.netafimusa.com)

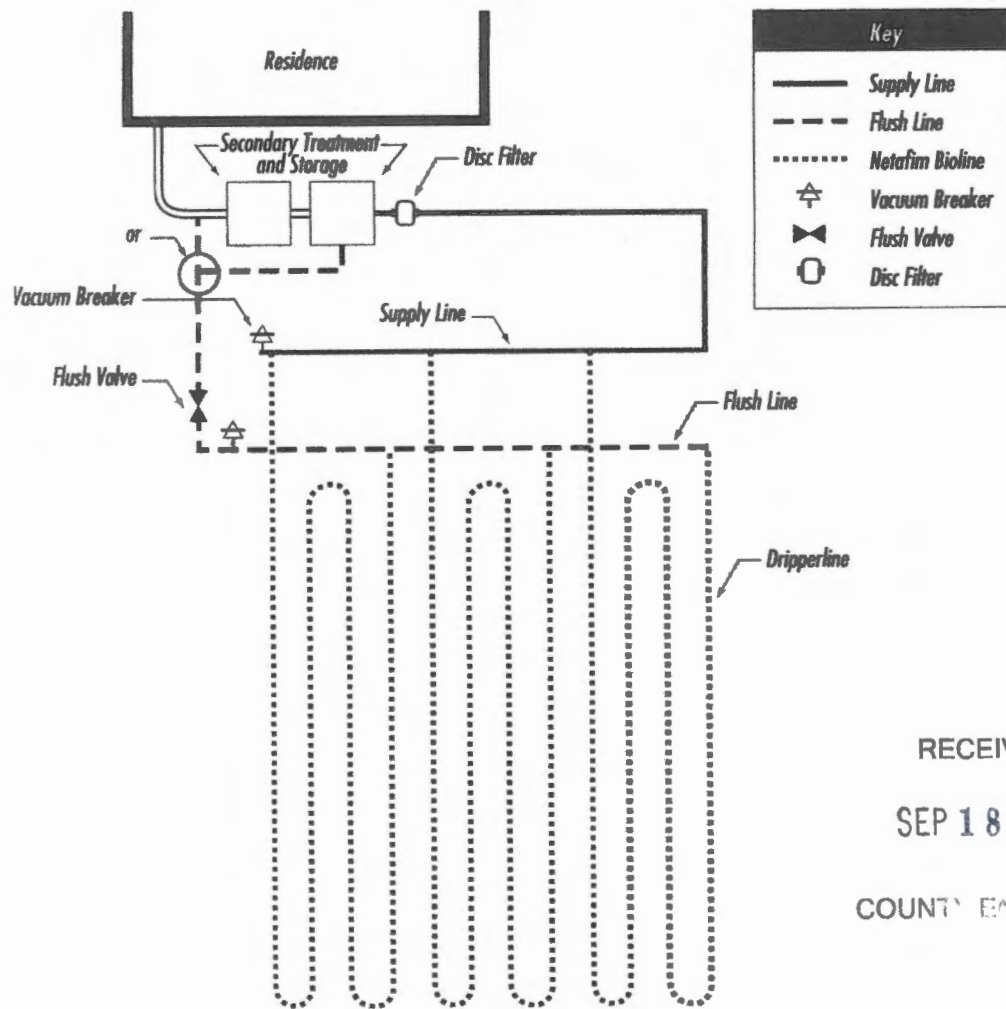
# NETAFIM WASTEWATER DISPERSAL SYSTEM DESIGN GUIDE

## SAMPLE DESIGNS

### SINGLE TRENCH LAYOUT

Rectangular field with supply and flush manifold on same side and in same trench;

- Locate supply and flush manifold in same trench
- Dripperlines are looped at the end opposite the supply and flush manifolds
- The longest Bioline length should not exceed 400 ft. Drip fields 200 ft. in length might loop the Bioline once; drip dispersal fields under 100 ft. might be looped twice, as illustrated

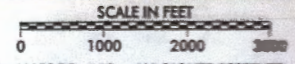
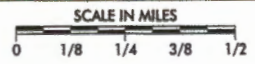
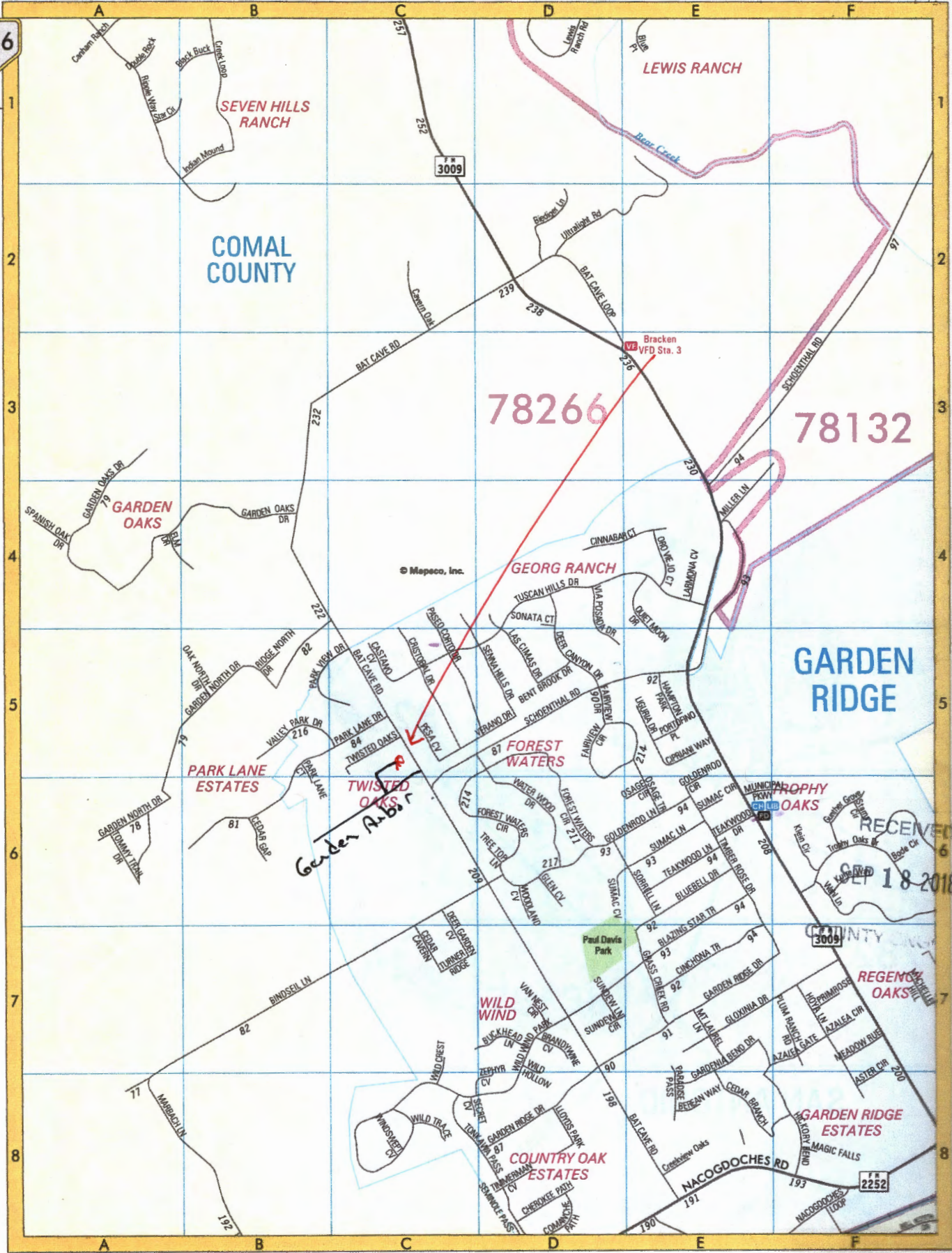


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486



CONTINUED ON MAP 485



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COPY**



**Comal County**

OFFICE OF COMAL COUNTY ENGINEER

**License to Operate On-Site Sewage Treatment and Disposal Facility**

Issued This Date: **06/13/2016** Permit Number: **104197**

Location Description: **8426 ORCHARD GLEN  
GARDEN RIDGE, TX 78266**

Subdivision: The Woodlands at Garden Ridge  
Unit: 1  
Lot: 3  
Block: 1  
Acreage:

Type of System: **Aerobic  
Surface Irrigation**

Issued to: **Chesmar Homes CT, Ltd., a Texas limited partnership**

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**

**OS 0031174**

ENVIRONMENTAL HEALTH INSPECTOR

ENVIRONMENTAL HEALTH COORDINATOR

**OS 0025599**  
**OS 0025599**

CCEO

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

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

104197

Date \_\_\_\_\_

Permit # \_\_\_\_\_

Owner Name Chesmar Homes CT, Ltd., a Texas limited Partnership Agent Name JB Septic Systems, Inc.  
 Mailing Address 1846 N. Loop 1604 W., Suite 1200 Agent Address P.O. Box 1609  
 City, State, Zip San Antonio, Texas, 78248 City, State, Zip Helotes, Texas 78023  
 Phone # 210-998-5610 Phone # 830-931-0292  
 Email Rosie.Meeks@Chesmar.com Email info@jbsepticssystemsin.com

All correspondence should be sent to:  Owner  Agent  Both Method:  Mail  Email

Subdivision Name The Woodlands at Garden Ridge Unit 1 Lot 3 Block 1  
 Acreage/Legal \_\_\_\_\_  
 Street Name/Address 8426 Orchard Glen City Garden Ridge Zip 78266

Type of Development:

Single Family Residential  
 Type of Construction (House, Mobile, RV, Etc.) House  
 Number of Bedrooms 5  
 Indicate Sq Ft of Living Area 3,925

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 FEB 09 2016  
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Commercial or Institutional Facility  
 (Planning materials must show adequate land area for doubling the required land needed for treatment units and disposal area)  
 Type of Facility \_\_\_\_\_  
 Offices, Factories, Churches, Schools, Parks, Etc. - Indicate Number Of Occupants \_\_\_\_\_  
 Restaurants, Lounges, Theaters - Indicate Number of Seats \_\_\_\_\_  
 Hotel, Motel, Hospital, Nursing Home - Indicate Number of Beds \_\_\_\_\_  
 Travel Trailer/RV Parks - Indicate Number of Spaces \_\_\_\_\_  
 Miscellaneous \_\_\_\_\_

Estimated Cost of Construction: \$ 294,665 (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

I certify that the completed application and all additional information submitted does not contain any false information and does not conceal any material facts. Authorization is hereby given to the permitting authority and designated agents to enter upon the above described property for the purpose of site/soil evaluation and inspection of private sewage facilities. I also understand that a permit of authorization to construct will not be issued until the Floodplain Administrator has performed the reviews required by the Comal County Flood Damage Prevention Order.

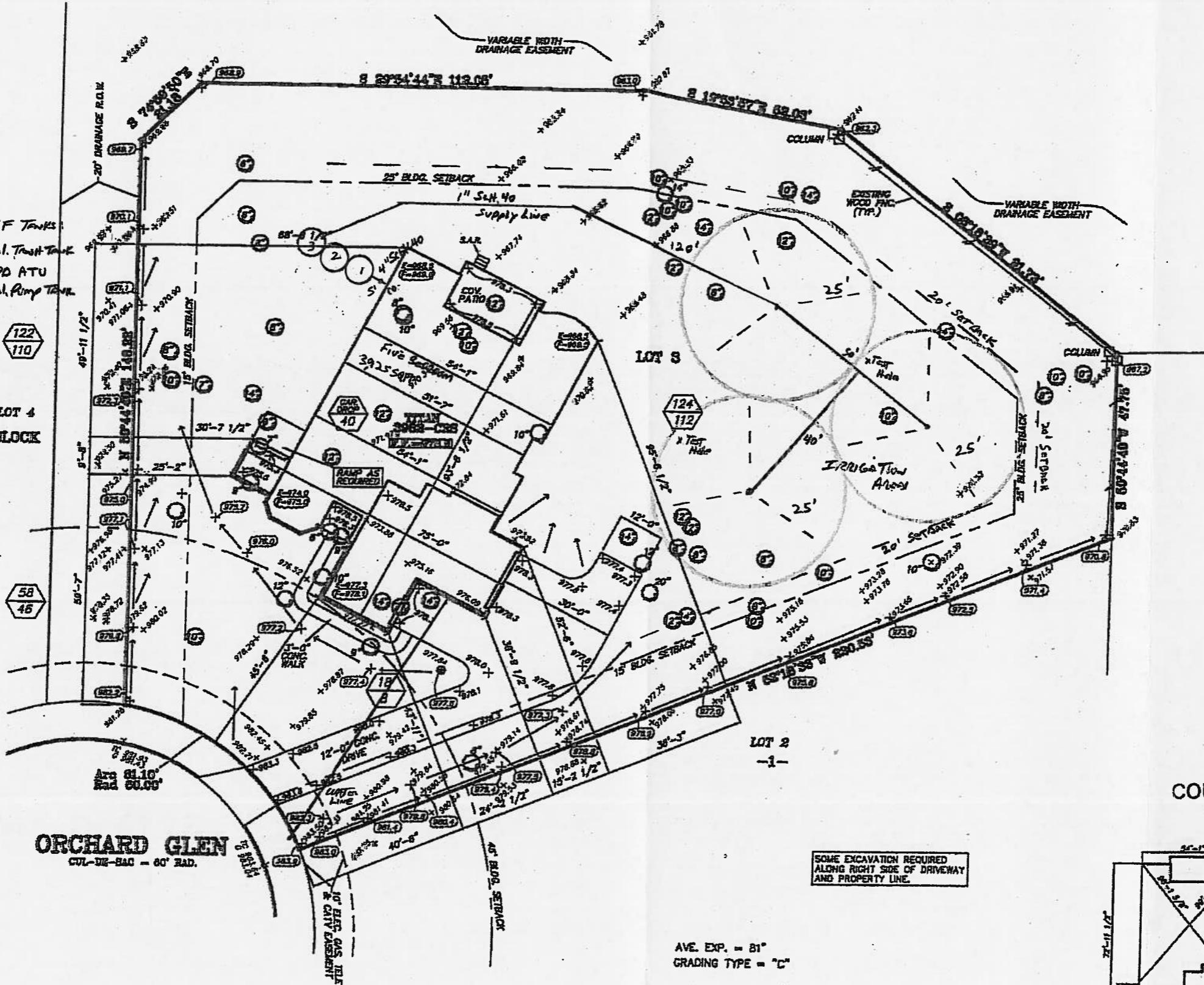
Signature of Owner [Signature]

Date 2/9/2014

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- OSSF Tanks:
1. 500 Gal. Trash Tank
  2. 600 GPD ATU
  3. 1,200 Gal. Pump Tank



SCALE 1" = 30'

**TREE LEGEND**

○ : OAK

**SQUARE FOOTAGES**

LOT AREA =	38,831
SLAB AREA =	4,731

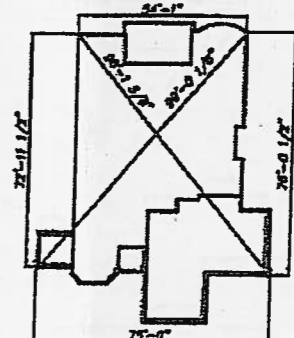
**ORCHARD GLEN**  
CUT-UP-SAC - 60' RAD.

SOME EXCAVATION REQUIRED  
ALONG RIGHT SIDE OF DRIVEWAY  
AND PROPERTY LINE.

AVE. EXP. = 81"  
GRADING TYPE = "C"

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- REV: ADDED NEW DRAINAGE. AP. 2/4/16.
- REV: CHANGE IN DRIVEWAY. AP. 2/4/16.
- REV: ADDED UPDATED FOUNDATION PLAN. INT. 2/3/16.
- REV: CHANGE IN DRAINAGE. AP. 01/20/16.
- REV: CHANGE IN DRAINAGE. AP. 01/20/16.
- REV: ADDED NEW DRAINAGE. AP. 01/13/16.
- REV: ADDED DRAINAGE. AP. 01/12/16.

**PLOT PLAN**  
DATE: 01/12/2015  
JOB # 20150015  
SHEET 1 OF 1

8426 ORCHARD GLEN  
LOT 3, BLK. 1  
THE WOODLANDS OF  
GARDEN RIDGE, UNIT 1  
COMAL COUNTY, TEXAS

**S** SOUTH TEXAS ENGINEERING, INC.  
1000 S. UNIVERSITY BLVD., SUITE 100  
DALLAS, TEXAS 75201

**LOT COVERAGE**

LOT AREA:	
ALLOWABLE COVERAGE:	N/A
SLAB:	
DRIVEWAY:	MAX. 10.8% SLOPE
PATIO/DECK:	PER SPECS.
WALK:	
TOTAL:	

**CHESMAR  
HOMES**



Loan No: 021601040005  
Borrower: OSWALDO NAJERA

Data ID: 195

**SPECIAL WARRANTY DEED WITH VENDOR'S LIEN**

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

Date: October 21, 2016

Grantor: CHESMAR HOMES CT, LTD., A TEXAS LIMITED PARTNERSHIP

Grantee: OSWALDO NAJERA AND SPOUSE YVONNE PORRAS NAJERA

Grantee's Mailing Address (including county):

8426 ORCHARD GLEN  
GARDEN RIDGE, TEXAS 78266  
COMAL County

Consideration:

TEN AND NO/100 DOLLARS (\$10.00) and other valuable consideration and note of even date executed by Grantee payable to the order of CLM MORTGAGE, LLC ("Lender"), in the amount of \$ 417,000.00 the note being secured in whole or in part by vendor's lien and superior title retained in favor of Lender in this deed and also secured by a deed of trust of even date from Grantee to DON W. LEDBETTER, PLLC, Trustee;

and a note dated 10/21/16 executed by Grantee payable to the order of CERTIFIED FUNDING, L.P. ("Lender"), in the amount(s) of \$ 112,673.00 the note being secured in whole or in part by vendor's lien retained in favor of Lender in this deed and also secured by a deed of trust of even date from Grantee to \_\_\_\_\_, Trustee.

Property (including any improvements):

LOT 3, BLOCK 1, THE WOODLANDS OF GARDEN RIDGE, UNIT 1, IN THE CITY OF GARDEN RIDGE, COMAL COUNTY, TEXAS, ACCORDING TO PLAT THEREOF RECORDED IN DOCUMENT NO. 201306045949, MAP AND PLAT RECORDS OF COMAL COUNTY, TEXAS

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PLATINUM TITLE  
GF *[Handwritten Signature]*



Loan No: 021601040005

Data ID: 195

Grantor, for the consideration and subject to the reservations from and 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 wise belonging, to have and hold it to Grantee, Grantee's heirs, executors, administrators, successors, or assigns, as the case may be, forever. Grantor binds Grantor and Grantor's heirs, executors, administrators, successors and assigns, as the case may be, to warrant and forever defend all and singular the property to Grantee and Grantee's heirs, executors, administrators, successors, and assigns against every person whomsoever lawfully claiming or to claim the same or any part thereof, except as to the reservations from and exceptions to conveyance and warranty, when the claim is by, through, or under Grantor, but not otherwise.

The vendor's lien against and superior title to the property are retained until each note described is fully paid according to its terms, at which time this deed shall become absolute. The vendor's lien and superior title are transferred to Lender without recourse on Grantor.

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

CHESMAR HOMES CT, LTD. A TEXAS LIMITED PARTNERSHIP <sup>Seller</sup>

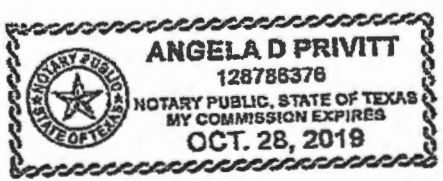
By: Robin Keogh  
ROBIN KEOGH  
Closing Coordinator

State of TEXAS  
County of BEXAR

This instrument was acknowledged before me on the 21st day of October, 2016 by ROBIN KEOGH, CLOSING COORDINATOR of CHESMAR HOMES CT, LTD. A TEXAS LIMITED PARTNERSHIP on behalf of said Limited Partnership

Angela D Prvitt  
Notary Public  
Angela D Prvitt  
(Printed Name)

My commission expires: 10/28/2019



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COUNTY CLERK

Filed and Recorded  
Official Public Records  
Bobbie Koepf, County Clerk  
Comal County, Texas  
11/29/2016 10:10:06 AM  
CHRISTY 3 Pages(s)  
201606045132

Filed and Recorded  
Official Public Records  
Bobbie Koepf, County Clerk  
Comal County, Texas  
10/24/2016 01:57:09 PM  
MEDINM 2 Pages(s)  
201606040221



Bobbie Koepf



Bobbie Koepf

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

Phone: (210) 875-3625

www.mjseptic.com mjseptic@mjseptic.com

To: **Oswaldo Najera**  
8426 Orchard Glen  
Garden Ridge, TX 78266

Printed:4/22/2022  
Site: 8426 Orchard Glen  
Garden Ridge, TX 78266  
(361) 249-5108

Permit #: **108126**

Agency: Comal County Environmental Health  
County: Comal Sub: Woods of Garden Ridge  
Mfg / Brand: Clearstream Wastewater Systems, Inc. - Clearstream Wastewater Sy  
Treatment Type: Aerobic  
Disposal: Drip Emitters

Customer ID: 7051

Contract Dates: 12/9/2021 - 12/9/2022  
Scheduled Date: 4/9/2022 Inspection 1 of 3

**Service Type: Scheduled Inspection**

This counts as a type of "Scheduled Inspection"

Visit Date: **4/19/2022**

Time In: 108 pm

Entered By: Tracy Murphy

Method: Other

Copy emailed to Customer  
Customer Emailed: 4/20/2022

Technician: Deaundrae Ross

Copy emailed to the Agency  
Agency Emailed: 4/22/2022

Maint. Provider: Michael J. Long

Aerators: Operational

**Sludge Levels**

Filters: Operational

For Tank 1: 4"

Irrigation Pumps: Operational

Disinfection Device: Operational

**Tank Lid / Riser: Secured**

Electric Circuits: Operational

Distribution System: Operational

Sprayfield Veg: Operational

Alarm: Operational

**Comments**

**Service Completed**

- Tech cleaned drip filter and set timer at 2 hours - 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 4/20/2022.

Insp ID #:44188

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: **Oswaldo Najera**  
8426 Orchard Glen  
Garden Ridge, TX 78266

Printed: 9/9/2022  
Site: 8426 Orchard Glen  
Garden Ridge, TX 78266  
(361) 249-5108

Permit #: **108126**  
Agency: Comal County Environmental Health  
County: Comal Sub: Woods of Garden Ridge  
Mfg / Brand: Clearstream Wastewater Systems, Inc. - Clearstream Wastewater Sy  
Treatment Type: Aerobic  
Disposal: Drip Emitters

Customer ID: 7051  
Contract Dates: 12/9/2021 - 12/9/2022  
Scheduled Date: 8/9/2022 Inspection 2 of 3

**Service Type: Scheduled Inspection**

This counts as a type of "Scheduled Inspection"

Visit Date: **8/19/2022**

Time In: 6:20 pm

Entered By: Audrey Miller

Method: Other

Copy emailed to Customer  
Customer Emailed: 8/23/2022

Technician: Manuel Guerrero

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

Maint. Provider: Michael J. Long

Aerators: Operational

Sludge Levels

Filters: Operational

For Tank 1: 3"

Irrigation Pumps: Operational

Disinfection Device: Operational

Tank Lid / Riser: Secured

Electric Circuits: Operational

Distribution System: Operational

Sprayfield Veg: Operational

Alarm: Operational

**Comments**

**Service Completed**

- Tech cleaned drip filter and set timer at 2 hours.
- 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 8/23/2022.

Insp ID #: 46560

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: **Oswaldo Najera**  
8426 Orchard Glen  
Garden Ridge, TX 78266

Printed: 1/20/2023  
Site: 8426 Orchard Gln  
Garden Ridge, TX 78266  
(361) 249-5108

Permit #: **108126**  
Agency: Comal County Environmental Health  
County: Comal Sub: Woods of Garden Ridge  
Mfg / Brand: Clearstream Wastewater Systems, Inc. - Clearstream Wastewater Sy  
Treatment Type: Aerobic  
Disposal: Drip Emitters

Customer ID: 7051  
Contract Dates: 12/9/2022 - 12/9/2025  
Scheduled Date: 12/9/2022 Inspection 3 of 3

**Service Type: Scheduled Inspection**

Visit Date: **12/13/2022** Time In: 8:25 am

Method: Other

Technician: Manuel Guerrero

Maint. Provider: Michael J. Long

This counts as a type of "Scheduled Inspection"

Entered By: Audrey Miller

Copy emailed to Customer  
Customer Emailed: 12/13/2022

Copy emailed to the Agency  
Agency Emailed: 1/20/2023

Aerators: Operational

Filters: Operational

Irrigation Pumps: Operational

Disinfection Device: Operational

**Sludge Levels**

For Tank 1: 1"

Tank Lid / Riser: Secured

**Problem  
Indicated**

Electric Circuits: Operational

Distribution System: Operational

Sprayfield Veg: Operational

Alarm: Operational

**Comments**

**Service Completed**

- Technician noted that there was a problem or issue with this Scheduled Inspection.
- Tech noted ants on or around your air compressor and control panel.
- Please treat for ants, they will mound inside/around the air compressor and will ruin the electrical and void any warranties.
  
- Tech cleaned drip filter and set timer at 2 hours.
- 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 12/13/2022.

Insp ID #:48999

Provider: *Michael J. Long*

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

**Phone: (210) 875-3625**

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

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: **Oswaldo Najera**  
8426 Orchard Glen  
Garden Ridge, TX 78266

Printed: 7/28/2023  
Site: 8426 Orchard Gln  
Garden Ridge, TX 78266  
(361) 249-5108

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Permit #: **108126** Customer ID: 7051  
Agency: Comal County Environmental Health Contract Dates: 12/9/2022 - 12/9/2025  
County: Comal Sub: Woods of Garden Ridge Scheduled Date: 4/9/2023 Inspection 1 of 9  
Mfg / Brand: Clearstream Wastewater Systems, Inc. - Clearstream Wastewater Sy Aerator: HP80 HiBlow Air Com  
Treatment Type: Aerobic Aerator S/N: 80HP20512P, 032  
Disposal: Drip Emitters

---

**Service Type: Scheduled Inspection**

This counts as a type of "Scheduled Inspection"

**Visit Date: 4/26/2023**

Time In: 10:38AM

Out: 10:59AM

**Entered By: Catherine Jefferson**

**Method: Other**

Copy emailed to Customer

Customer Emailed: 4/26/2023

**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**

**Pumping Needed**

**Tank Lid / Riser: Secured**

**Problem Indicated**

**Electric Circuits: Operational**

**Distribution System: Operational**

**Sprayfield Veg: Operational**

**Alarm: Operational**

**Comments**

**Service Completed**

- Technician noted that there was a problem or issue with this Scheduled Inspection.  
- Tank needs Pumping due to a full trash tank. - Please call the office at (210) 875-3625 to schedule pump out.  
- Please treat for ants, they will mound inside/around the air compressor and will ruin the electrical and void any warranties.

- We recommend your diffuser bar be replaced to improve aeration and help prolong the lifespan of your air compressor. - Tech cleaned drip filter and set timer at 2 hours. - 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 4/26/2023.

Insp ID #51800

Provider: *Michael J. Long*

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

Phone: (210) 875-3625

www.mjseptic.com mjseptic@mjseptic.com

To: **Oswaldo Najera**  
8426 Orchard Glen  
Garden Ridge, TX 78266

Printed: 9/8/2023  
Site: 8426 Orchard Gln  
Garden Ridge, TX 78266  
(361) 249-5108

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Permit #: **108126** Customer ID: 7051  
Agency: Comal County Environmental Health Contract Dates: 12/9/2022 - 12/9/2025  
County: Comal Sub: Woods of Garden Ridge Scheduled Date: 8/9/2023 Inspection 2 of 9  
Mfg / Brand: Clearstream Wastewater Systems, Inc. - Clearstream Wastewater Sy Aerator: HP80 HiBlow Air Com  
Treatment Type: Aerobic Aerator S/N: 80HP20512P, 032  
Disposal: Drip Emitters

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**Service Type: Scheduled Inspection**

This counts as a type of "Scheduled Inspection"

**Visit Date: 8/16/2023**

Time In: 10:58 AM

Out: 11:26 AM

**Entered By: Brianna Perez**

**Method: Other**

Copy emailed to Customer

Customer Emailed: 8/18/2023

**Technician: Marcos Rubio**

Copy emailed to the Agency

Agency Emailed: 9/8/2023

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

**Aerators: Operational**

**Sludge Levels**

**Filters: Operational**

**For Tank 1: 2"**

**Irrigation Pumps: Operational**

**Disinfection Device: Operational**

**Tank Lid / Riser: Secured**

**Problem  
Indicated**

**Electric Circuits: Operational**

**Distribution System: Operational**

**Sprayfield Veg: Operational**

**Alarm: Non-Operational**

**Comments**

**Service Completed**

- Technician noted that there was a problem or issue with this Scheduled Inspection.- Tech noted your audio alarm is not operational; repair declined on site. The audio alarm should be replaced as it is the first indication that there is a problem with the system. Without a functioning audio alarm, only the visual alarm will come on in the event of an issue. If the visual alarm is not noticed, it will eventually burn out and there will be no indication of a system issue, which can lead to further damage, including the possibility of system overflow/backup. An estimate for repair has been emailed to you.

- Tech cleaned drip filter and set timer at 2 hours. - 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 8/18/2023.

Insp ID #:54112

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1328 W Borgfeld  
San Antonio, TX 78260

**Phone: (210) 875-3625**

**www.mjseptic.com    mjseptic@mjseptic.com**

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

License Info: MP0001294 Expires: 8/31/2025