

# Comal County

OFFICE OF COMAL COUNTY ENGINEER

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

Issued This Date: **03/29/2019** Permit Number: **108817**

Location Description: **347 TOUCAN DR  
SPRING BRANCH, TX 78070**

Subdivision: **Mystic Shores**  
Unit: **17**  
Lot: **1237**  
Block:  
Acreage:

Type of System: **Aerobic  
Surface Irrigation**

Issued to: **Donald & Sherry Hoyt**

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.

  
 \_\_\_\_\_  
 ENVIRONMENTAL HEALTH INSPECTOR

Licensing Authority  
**Comal County Environmental Health**

  
 \_\_\_\_\_  
 ENVIRONMENTAL HEALTH COORDINATOR

**OS 0025599**

**OS0034322**



## Comal County Environmental Health OSSF Inspection Sheet

Installer Name: Jeff Jay OSSF Installer #: 050020500  
 1st Inspection Date: 3.21.19 2nd Inspection Date: 3.29.19 3rd Inspection Date: \_\_\_\_\_  
 Inspector Name: andrea J. Inspector Name: andrea J. Inspector Name: \_\_\_\_\_  
 Permit#: W8817 Address: 347 Toucan Pr.

| 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)<br>285.30(b)(1)(A)(iv)<br>285.30(b)(1)(A)(v)<br>285.30(b)(1)(A)(iii)<br>285.30(b)(1)(A)(ii)<br>285.30(b)(1)(A)(i)   |       | ✓         |           |           |
| 2   | SITE AND SOIL CONDITIONS & SETBACK DISTANCES Setback Distances Meet Minimum Standards                              | ✓      | 285.91(10)<br>285.30(b)(4)<br>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)<br>285.32(b)(1)(E)(iv)<br>285.32(b)(1)(F)<br>285.32(b)(1)(B)<br>285.32(b)(1)(C)(i)<br>285.32(b)(1)(C)(ii)<br>285.32(b)(1)(D)<br>285.32(b)(1)(E)<br>285.32(b)(1)(A)<br>285.32(b)(1)(E)(ii)(II)<br>285.32(b)(1)(E)(i)<br>285.32(b)(1)(E)(ii)(I) |       |           |           |           |
| 7   | PRETREATMENT Grease Interceptors if required for commercial  |        | 285.34(d)   |       |           |           |           |

~~3.21.19~~ 3.21.19  
 Tank set-level, operational.  
 No leaks, Tank's lines  
 ready for cover, cover rocks  
 in spray area.

3.29.19  
 all covered.



**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)<br>285.91(2)<br>285.32(b)(1)(F)<br>285.32(b)(1)(E)(iii)<br>285.32(b)(1)(E)(ii)(II)<br>285.32(b)(1)(E)(ii)(I)<br>285.32(b)(1)(E)(i)<br>285.32(b)(1)(D)<br>285.32(b)(1)(C)(ii)<br>285.32(b)(1)(C)(i)<br>285.32(b)(1)(B)<br>285.32(b)(1)(A)<br>285.32(b)(1)(E)(iv) |          |           |           |           |
| 9   | ALL TANKS Installed on 4" Sand Cushion/ Proper Backfill Used  |        | 285.32(b)(1)(F)<br>285.32(b)(1)(G)<br>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)<br>285.38(e)  |          |           |           |           |
| 12  | SEPTIC TANK Tank Volume Installed   |        |   |          |           |           |           |
| 13  | PUMP TANK Volume Installed  |        |   |          |           |           |           |
| 14  | AEROBIC TREATMENT UNIT Size Installed   | /      |   | 6000     | /         |           |           |
| 15  | AEROBIC TREATMENT UNIT Manufacturer AEROBIC TREATMENT UNIT Model Number   | /      |   | No water | /         |           |           |
| 16  | DISPOSAL SYSTEM Absorptive  |        | 285.33(a)(4)<br>285.33(a)(1)<br>285.33(a)(2)<br>285.33(a)(3)  |          |           |           |           |
| 17  | DISPOSAL SYSTEM Leaching Chamber  |        | 285.33(a)(1)<br>285.33(a)(3)<br>285.33(a)(4)<br>285.33(a)(2)  |          |           |           |           |
| 18  | DISPOSAL SYSTEM Evapo-transpirative   |        | 285.33(a)(1)<br>285.33(a)(4)<br>285.33(a)(1)<br>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(a)(1)<br>285.33(a)(3)<br>285.33(a)(4)<br>285.33(a)(2) |       |           |           |           |
| 20  | DISPOSAL SYSTEM Soil Substitution   |        | 285.33(d)(4)   |       |           |           |           |
| 21  | DISPOSAL SYSTEM Pumped Effluent   |        | 285.33(a)(3)<br>285.33(a)(1)<br>285.33(a)(2)                 |       |           |           |           |
| 22  | DISPOSAL SYSTEM Gravelless Pipe   |        | 285.33(a)(3)<br>285.33(a)(2)<br>285.33(a)(4)<br>285.33(a)(1) |       |           |           |           |
| 23  | DISPOSAL SYSTEM Mound   |        | 285.33(a)(3)<br>285.33(a)(1)<br>285.33(a)(2)<br>285.33(a)(4) |       |           |           |           |
| 24  | DISPOSAL SYSTEM Other (describe) (Approved Design)  |        | 285.33(d)(6)<br>285.33(c)(4)                                 |       |           |           |           |
| 25  | DRAINFIELD Absorptive Drainline<br>3" PVC<br>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<br>DRAINFIELD Excavation Depth<br>DRAINFIELD Excavation Separation<br>DRAINFIELD Depth of Porous Media<br>DRAINFIELD Type of Porous Media |        |  |       |           |           |           |
| 29  | DRAINFIELD Pipe and Gravel - Geotextile Fabric in Place   |        | 285.33(b)(1)(E)  |       |           |           |           |
| 30  | DRAINFIELD Leaching Chambers<br>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)   |       |           |           |           |



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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  | 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   | /      |  |       | /         |           |           |
| 34  | 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   | /      |  |       | /         |           |           |
| 35  | AEROBIC TREATMENT UNIT Chlorinator Properly Installed with Chlorine Tablets in Place.  | /      |  |       | /         |           |           |
| 36  | PUMP TANK Is the Pump Tank an approved concrete tank or other acceptable materials & construction<br>PUMP TANK Sampling Port Provided in the Treated Effluent Line<br>PUMP TANK Check Valve and/or Anti- Siphon Device Present When Required<br>PUMP TANK Audible and Visual High Water Alarm Installed on Separate Circuit From Pump  |        |  |       |           |           |           |
| 37  | PUMP TANK Inspection/Clean Out Port & Risers Provided<br>PUMP TANK Secondary restraint system provided<br>PUMP TANK Riser permanently fastened to lid or cast into tank<br>PUMP TANK Riser cap protected against unauthorized intrusions   |        |  |       |           |           |           |
| 38  | PUMP TANK Secondary restraint system provided  |        |  |       |           |           |           |
| 39  | PUMP TANK Electrical Connections in Approved Junction Boxes / Wiring Buried  |        |  |       |           |           |           |



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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)<br>285.33(d)(2)(G)(iii)<br>285.33(d)(2)(G)(iv)<br>285.33(d)(2)(G)(i)<br>285.33(d)(2)(G)(ii)<br>285.33(d)(2)(G)(iii)(I) |                  | ✓         |           |           |
| 41  | APPLICATION AREA Low Angle Nozzles Used / Pressure is as required<br>APPLICATION AREA Acceptable Area, nothing within 10 ft of sprinkler heads?<br>APPLICATION AREA The Landscape Plan is as Designed |        | 285.33(d)(2)(G)(i)<br>285.33(d)(2)(A)<br>285.33(d)(2)(F)   | <i>See Notes</i> | ✓         |           |           |
| 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: Jeff Jay OSSF Installer #: 050020500  
 1st Inspection Date: 3-21-19 2nd Inspection Date: \_\_\_\_\_ 3rd Inspection Date: \_\_\_\_\_  
 Inspector Name: Andrew J. Inspector Name: \_\_\_\_\_ Inspector Name: \_\_\_\_\_  
 Permit#: W8817 Address: 347 Toucan Pr.

| 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)<br>285.30(b)(1)(A)(iv)<br>285.30(b)(1)(A)(v)<br>285.30(b)(1)(A)(iii)<br>285.30(b)(1)(A)(ii)<br>285.30(b)(1)(A)(i)   |       | ✓         |           |           |
| 2   | SITE AND SOIL CONDITIONS & SETBACK DISTANCES Setback Distances Meet Minimum Standards                              | ✓      | 285.91(10)<br>285.30(b)(4)<br>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)<br>285.32(b)(1)(E)(iv)<br>285.32(b)(1)(F)<br>285.32(b)(1)(B)<br>285.32(b)(1)(C)(i)<br>285.32(b)(1)(C)(ii)<br>285.32(b)(1)(D)<br>285.32(b)(1)(E)<br>285.32(b)(1)(A)<br>285.32(b)(1)(E)(ii)(II)<br>285.32(b)(1)(E)(i)<br>285.32(b)(1)(E)(ii)(I) |       |           |           |           |
| 7   | PRETREATMENT Grease Interceptors if required for commercial  |        | 285.34(d)   |       |           |           |           |

050020500 3-21-19  
 Tank set-level, operational.  
 No leaks, Tank's lines  
 ready for cover, cover rocks  
 in spray area.



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OSSF Inspection Sheet**

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|-----|---|--------|---|----------|-----------|-----------|-----------|
| 8   | SEPTIC TANK Tank(s) Clearly Marked SEPTIC TANK If SingleTank, 2 Compartments Provided with Baffle SEPTIC TANK Inlet Flowline Greater than 3" and " T " Provided on Inlet and Outlet<br>SEPTIC TANK Septic Tank(s) Meet Minimum Requirements |        | 285.32(b)(1)(E)<br>285.91(2)<br>285.32(b)(1)(F)<br>285.32(b)(1)(E)(iii)<br>285.32(b)(1)(E)(ii)(II)<br>285.32(b)(1)(E)(ii)(I)<br>285.32(b)(1)(E)(i)<br>285.32(b)(1)(D)<br>285.32(b)(1)(C)(ii)<br>285.32(b)(1)(C)(i)<br>285.32(b)(1)(B)<br>285.32(b)(1)(A)<br>285.32(b)(1)(E)(iv) |          |           |           |           |
| 9   | ALL TANKS Installed on 4" Sand Cushion/ Proper Backfill Used  |        | 285.32(b)(1)(F)<br>285.32(b)(1)(G)<br>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<br>SEPTIC TANK Riser permanently fastened to lid or cast into tank<br>SEPTIC TANK Riser cap protected against unauthorized intrusions   |        | 285.38(d)<br>285.38(e)  |          |           |           |           |
| 12  | SEPTIC TANK Tank Volume Installed   |        |   |          |           |           |           |
| 13  | PUMP TANK Volume Installed  |        |   |          |           |           |           |
| 14  | AEROBIC TREATMENT UNIT Size Installed   | /      |   | 6000     | /         |           |           |
| 15  | AEROBIC TREATMENT UNIT Manufacturer<br>AEROBIC TREATMENT UNIT Model Number  | /      |   | No water | /         |           |           |
| 16  | DISPOSAL SYSTEM Absorptive  |        | 285.33(a)(4)<br>285.33(a)(1)<br>285.33(a)(2)<br>285.33(a)(3)  |          |           |           |           |
| 17  | DISPOSAL SYSTEM Leaching Chamber  |        | 285.33(a)(1)<br>285.33(a)(3)<br>285.33(a)(4)<br>285.33(a)(2)  |          |           |           |           |
| 18  | DISPOSAL SYSTEM Evapo-transpirative   |        | 285.33(a)(3)<br>285.33(a)(4)<br>285.33(a)(1)<br>285.33(a)(2)  |          |           |           |           |



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| 19  | DISPOSAL SYSTEM Drip Irrigation   |        | 285.33(a)(1)<br>285.33(a)(3)<br>285.33(a)(4)<br>285.33(a)(2) |       |           |           |           |
| 20  | DISPOSAL SYSTEM Soil Substitution   |        | 285.33(d)(4)   |       |           |           |           |
| 21  | DISPOSAL SYSTEM Pumped Effluent   |        | 285.33(a)(3)<br>285.33(a)(1)<br>285.33(a)(2)                 |       |           |           |           |
| 22  | DISPOSAL SYSTEM Gravelless Pipe   |        | 285.33(a)(3)<br>285.33(a)(2)<br>285.33(a)(4)<br>285.33(a)(1) |       |           |           |           |
| 23  | DISPOSAL SYSTEM Mound   |        | 285.33(a)(3)<br>285.33(a)(1)<br>285.33(a)(2)<br>285.33(a)(4) |       |           |           |           |
| 24  | DISPOSAL SYSTEM Other (describe) (Approved Design)  |        | 285.33(d)(6)<br>285.33(c)(4)                                 |       |           |           |           |
| 25  | DRAINFIELD Absorptive Drainline<br>3" PVC<br>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<br>DRAINFIELD Excavation Depth<br>DRAINFIELD Excavation Separation<br>DRAINFIELD Depth of Porous Media<br>DRAINFIELD Type of Porous Media |        |  |       |           |           |           |
| 29  | DRAINFIELD Pipe and Gravel - Geotextile Fabric in Place   |        | 285.33(b)(1)(E)  |       |           |           |           |
| 30  | DRAINFIELD Leaching Chambers<br>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)   |       |           |           |           |



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| 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>  |        |  |       |           |           |           |
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| 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)<br>285.33(d)(2)(G)(iii)<br>285.33(d)(2)(G)(iv)<br>285.33(d)(2)(G)(i)<br>285.33(d)(2)(G)(ii)<br>285.33(d)(2)(G)(iii)(I) |           |           |           |           |
| 41  | APPLICATION AREA Low Angle Nozzles Used / Pressure is as required<br>APPLICATION AREA Acceptable Area, nothing within 10 ft of sprinkler heads?<br>APPLICATION AREA The Landscape Plan is as Designed |        | 285.33(d)(2)(G)(i)<br>285.33(d)(2)(A)<br>285.33(d)(2)(F)   | See Notes |           |           |           |
| 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: 108817  
Issued This Date: 03/07/2019  
This permit is hereby given to: Donald & Sherry Hoyt

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

347 TOUCAN DR  
SPRING BRANCH, TX 78070

Subdivision: Mystic Shores  
Unit: 17  
Lot: 1237  
Block:  
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

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COUNTY ENGINEER

|       |          |
|-------|----------|
|       |          |
| Items | 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

N/A 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

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

Sherry Hoyt  
Signature of Applicant

8/17/18  
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 8/17/18 Permit # 108817

|   |                        |
|---|------------------------|
| Owner Name <u>DONALD &amp; SHERRY HOYT</u>    | Agent Name _____       |
| Mailing Address <u>8 OAK VILLA RD</u>         | Agent Address _____    |
| City, State, Zip <u>CANYON LAKE, TX 78133</u> | City, State, Zip _____ |
| Phone # <u>210-540-8709</u>                   | Phone # _____          |
| Email <u>SHOYT53@GMAIL</u>                    | Email _____            |

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

Subdivision Name MYSTIC SHORES Unit 17 Lot 1237 Block 0  
Acreage/Legal ONE ACRE LOT 1237 UNIT17 MYSTIC SHORES  
Street Name/Address 347 TOUCAN DRIVE City SPRING BRANCH Zip 78070

**Type of Development:**

Single Family Residential  
Type of Construction (House, Mobile, RV, Etc.) House  
Number of Bedrooms 4  
Indicate Sq Ft of Living Area 2177

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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 \_\_\_\_\_

COUNTY ENGINEER

Estimated Cost of Construction: \$220,000 (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.

Sherry Hoyt \_\_\_\_\_ Date 8/17/18  
Signature of Owner



\*\*\* 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) 600 GPD Unit Absorption/Application Area (Sq Ft) 4923.52

Gallons Per Day (As Per TCEQ Table III) 300

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

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

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(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.)

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: \_\_\_\_\_

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 1-15-19

Page 2 of 2



1/c



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# Affidavit to the Public

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THE COUNTY OF COMAL  
STATE OF TEXAS

COUNTY ENGINEER

### CERTIFICATION OF OSSF REQUIRING MAINTENANCE

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

II

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

Lot 1237, unit 17, MYSTIC SHORES subdivision, Comal County, TX

The property is owned by Sherry Hoyt

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 (Sherry Hoyt Comal County).

IN WITNESS WHEREOF (s)he has hereto set his/her hand.

Signature

Sherry Hoyt

Print Name

Sherry Hoyt

I hereby certify that Sherry Hoyt, known to me to be the affiant in the foregoing affidavit, personally appeared before me this day and having been by me duly sworn deposes and says that the facts set forth in the above affidavit are true and correct

WITNESS MY HAND AND OFFICIAL SEAL THIS THE 17<sup>th</sup> DAY OF August, 2018.



Maegan Wessels  
Notary Public, State of Texas

My Commission Expires: 10/3/18

Filed and Recorded  
Official Public Records  
Bobbie Koepf, County Clerk  
Comal County, Texas  
02/28/2019 11:28:34 AM  
CHRISTY 1 Page(s)  
201906006734



Bobbie Koepf



Regulatory Authority \_\_\_\_\_

Permit / License Number \_\_\_\_\_

**JAJ Construction Services, LLC**  
**Aerobic Services Division**  
Jeff Jay – MP0001423  
1013 Hwy 46 East  
Boerne, TX 78006  
Phone (830) 336-3821  
Fax (830) 336-3841

Customer Sherry Hoyt  
Site Address 347 Toucan Dr  
City, State, Zip Spring Branch TX 78070  
Mailing Address 8 Oak Villa Rd Canyon Lake 78133  
County Comal Map # \_\_\_\_\_  
Email Address SHoyt53@gmail.com  
Phone # 210-540-8709 RECEIVED

## WASTEWATER TREATMENT FACILITY MONITORING AGREEMENT FEB 28 2019

The effective date, if this is an initial maintenance contract, shall be the date the license to operate is issued.

- I. **General:** This Work for Hire Agreement (herein after referred to as "Agreement") is entered into <sup>CO-OWNERSHIP</sup> ~~by~~ Sherry Hoyt (hereinafter referred to as "Customer") and JAJ Construction Services, LLC. By this Agreement JAJ Construction Services, LLC and its employees (hereinafter inclusively referred to as "Contractor") agree to render services at the site address stated above, as described herein, and the Customer agrees to fulfill his/her/their responsibilities, as described herein. The designed flow rate for this system is a maximum of \_\_\_\_\_ gallons per day.
- II. **Effective Dates:** This Agreement commences on \_\_\_\_\_ and ends on \_\_\_\_\_ for a total of \_\_\_\_\_ two (2) years (initial Agreement) or \_\_\_\_\_ one (1) year (there after). If this is an initial Agreement (new installation), the Customer will notify the Contractor within two (2) business days of the system's first use to establish the date of commencement. If no notification is received by Contractor within ninety (90) days after completion of installation or where county authority mandates, the date of commencement will be the date the "License to operate" (Notice of Approval) was issued by the permitting authority. This Agreement may or may not commence at the same time as any warranty period of installed equipment, but in no case shall it extend the specified warranty.
- III. **Renewal:** This Agreement shall automatically renew each at the same terms, conditions, and costs, unless either party gives notice of termination a minimum of thirty (30) days prior to end of first Agreement period. See Section IV.
- IV. **Termination of Agreement:** This Agreement may be terminated by either party with thirty (30) days written notice for any reason, including for example, substantial failure to perform to accordance with its terms, without fault or liability of the terminating party. If this Agreement is so terminated, Contractor will be paid at the rate of \$75.00 per hour for any work performed and for which compensation has not been received. After the deduction of all outstanding charges, any remaining monies from prepayment for services will be refunded to Customer within thirty (30) days. Either party terminating this Agreement for any reason, including non-renewal, shall notify in writing the equipment manufacturer and the appropriate regulatory agency a minimum of thirty (30) days prior to the date of such termination. Nonpayment of any kind shall be considered breach of contract and a termination of contract.
- V. **Services:** Contractor will
- Inspect and perform routine upkeep on the On-Site Sewage Facility (hereinafter referred to as OSSF) as recommended by the treatment system manufacturer, and required by state and/or local regulation, for a total of three (3) visits to site per year.
  - Provide a written record of visits to the site by means of an inspection tag attached to or contained in the control panel.
  - Repair or replace, if Contractor has necessary materials at site, any component of the OSSF to be failing or inoperative during the course of a routine monitoring visit. If such services are not covered by warranty, and services costs are \$100.00 or less, Customer hereby authorizes Contractor to perform the service and bill Customer for said service. When service costs are greater than \$100.00, or if Contractor does not have necessary supplies at the site, Contractor will notify Customer of required service(s) and associated cost(s). Customer must notify Contractor of arrangements to affect repair of system within two (2) business days after said notification.
  - Provide sample collection and laboratory testing of TSS and BOD on a yearly basis (commercial systems only).
  - Forward copies of this Agreement and all reports to the regulatory agency and the Customer.
  - Visit site in response to Customer's request for unscheduled service within forty-eight (48) hours of the date of notification (weekends and holidays excluded) of said request. Unless otherwise covered by warranty, costs for such unscheduled responses will be billed to Customer.
- VI. **Disinfection:** Not Required ~~XXX~~ Required. The responsibility to maintain the disinfection device(s) and provide any necessary chemicals is that of the Customer SH (initial).
- VII. **Electric Monitoring:** Electronic Monitoring is not included in this Agreement.
- VIII. **Performance of Agreement:** Commencement of performance by Contractor under this Agreement is contingent on the following conditions:
- If this is an Initial Agreement (new installation).
    - Contractor's receipt of a fully executed original copy or facsimile of this Agreement and all documentation requested by Contractor.
    - Contractor's receipt of payment of the wastewater-monitoring fee in accordance with the terms as described in Section XIV of this Agreement.
  - If this is not an Initial Agreement (existing system).
    - Contractor's receipt of a fully executed original copy or facsimile of this Agreement and all documentation requested by Contractor.
    - Contractor's receipt of payment of the wastewater-monitoring fee in accordance with the terms as described in Section XIV of this Agreement.
  - If the above conditions are not met, Contractor is not obligated to perform any portion of this Agreement.




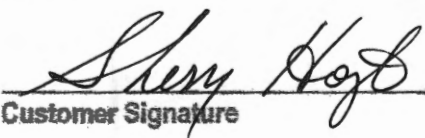
FEB 28 2019

**IX. Customer's Responsibilities:** The Customer is responsible for each and all of the following:

- a. Provide all necessary yard or lawn maintenance and removal of all obstacles including, but not limited to, dogs and other animals, vehicles, trees, brush, trash, or debris as needed to allow the OSSF to function properly, and to allow Contractor safe and easy access to all parts of the OSSF.
  - b. Protect equipment from physical damage including, but not limited to, that damage caused by insects.
  - c. Maintain a current license to operate, and abide by the conditions and limitation of that license, and all requirements for and OSSF from the State and or local regulatory agency, whichever are more stringent, as well as proprietary system's manufacturer recommendations.
  - d. Notify Contractor immediately of any and all alarms, and/or any and all problems with, including failure of the OSSF.
  - e. Provide, upon request by Contractor, water usage records for evaluation by Contractor as to the performance of the OSSF.
  - f. Allow for samples at both the inlet and outlet of the OSSF to be obtained by Contractor for the purpose of evaluation on the OSSF's performance. If these samples are taken to a laboratory for testing, with the exception of the service provided under Section V sub-section 'd' above. Customer agrees to pay Contractor for sample collection and transportation, portal to portal, at a rate of \$35.00 per hour plus the associated fees for laboratory testing.
  - g. Prevent the backwash or flushing of water treatment or conditioning equipment from entering the OSSF.
  - h. Prevent the condensation from air conditioning or refrigeration units, or the drains of icemakers, from hydraulically overloading the aerobic treatment units. Drain lines may discharge into the surface application pump tank if approved by system designer.
  - i. Provide for pumping and cleaning of tanks and treatment units, when and as recommended by Contractor, at Customer's expense.
  - j. Maintain site drainage to prevent adverse effects on the OSSF.
  - k. Pay promptly and fully all Contractor's fees, bills, or invoices as described herein.
- X. **Access by Contractor:** Contractor is hereby granted an easement to the OSSF for the purpose of performing services described herein. Contractor may enter the property during Contractor's normal business hours and/or other reasonable hours without prior notice to Customer to perform the services and/or repairs described herein. Contractor shall have access to the OSSF electrical and physical components. Tanks and treatment units shall be accessible by means of man ways or risers and removable covers, for the purpose of evaluation as required by State and/or local rules and the proprietary system manufacturer. If not an initial Agreement (new installation) and this access is not in place or provided for by the Customer, the cost for the labor of excavation, and possibly other labor and material costs will be required. These costs shall be billed to Customer as an additional service at a rate of \$35.00 per hour, plus materials at list price. Excavated soil shall be replaced as best as Contractor can at the time such service is performed and under no circumstances is Contractor responsible for damages to soil, grass, roots, landscaping, or any unmarked underground items (telephone, television, or electrical cable, water, air, or gas lines, etc.), or for the uneven settling of the soil.
- XI. **Limit of Liability:** Contractor shall not be held liable for any incidental consequential, or special damages, or for economic loss due to expense, or for loss of profit or income, or loss of use to Customer, whether in contract tort or any other theory. In no event shall Contractor be liable to an amount exceeding the total Fee for Services amount paid by Customer under this Agreement.
- XII. **Severability:** If any provision of the "Proposal and Contract" shall be held to be invalid or unenforceable for any reason, the remaining provisions shall continue to be valid and enforceable. If a court finds that any provision of the "Agreement" is invalid or unenforceable, but that by limiting such provision it would become valid and enforceable, then such provision shall be deemed to be written, construed, and enforced as so limited.
- XIII. **Fee for Services:** The fee does not include any equipment, material, or labor necessary for non-warranty repairs or for uncheduled inspections or Customer requested visits to the site.
- XIV. **Payment:** Full amount due upon signature (Required of new Customer). Payment of invoice(s) for any other service or repair provided by Contractor is due upon receipt of invoice. Invoices are mailed on the date of invoice. All payments not received within thirty (30) days from the invoice date will be subject to a \$29.00 late penalty and a 1.5% per month carrying charge, as well as any reasonable attorney's fees, and all collection and court costs incurred by Contractor in collection of unpaid debt(s). Contractor may terminate contract at any time for nonpayment for services. Any check returned to Contractor for any reason will be assessed a \$30.00 return check fee.
- XV. **Application or Transfer of Payment:** The fees paid for this Agreement may transfer to the subsequent property owner(s); however this Agreement is not transferable. Customer will advise subsequent property owner(s) of the State requirement that they sign a replacement Agreement authorizing Contractor to perform the herein described Services, and accepting Customer's Responsibilities. This replacement Agreement must be signed and received in Contractor's office within ten (10) business days of date of transfer of property ownership. Contractor will apply all funds received from Customer first to any past due obligation arising from this Agreement including late fees or penalties, return check fees, and/or charges for services or repairs not paid within thirty (30) days of invoice date. Any remaining monies shall be applied to the funding of the replacement Agreement. The consumption of funds in this manner may cause a reduction in the termination date of effective coverage per this Agreement. See Section IV.
- XVI. **Entire Agreement:** This Agreement contains the entire Agreement of the parties and there are no other conditions in any other Agreement, oral or written.

The effective date of this initial maintenance contract shall be the date the license to operate is issued.

  
 Jeff Jay JAJ Construction Services, LLC  
 MP0001423

  
 Customer Signature

8/17/18  
 Date

1 copy: JAJ Construction Services, LLC

1 copy: Customer

1 copy: Regulatory Authority



1/15/2019  
5:15 PM  
Aerobic with Spray  
Distribution System

# ON-SITE SEWAGE FACILITY DESIGN CRITERIA

Donald W. Jr and Sherry Hoyt

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### Property Information:

St. Address: 347 Toucan  
City: Spring Branch State: Texas  
Zip code: 78070

### House Information

No. of Bedrooms: 4  
Sq. footage (Approx.): <3500  
gallons per day 300  
Water Supply: CLWS

COUNTY ENGINEER

### Predicted Quantity of Sewage (Q)

Water Saving Devices in Home (y/n): yes  
Gallons/day (Q): 300  
Greywater included (yes/no): yes

### 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

### Rate of Adsorption (Ra)

Application rate (g/sq. ft): 0.064  
Minimum Adsorptive Area (sq. ft.): 4687.5

### Supply Line For Spray Irrigation System

Length of supply line (approx. ft): 111  
Type of supply line: SCH 40 PVC  
Size of supply line (in): 1

### Aerobic Unit

Required size of aerobic unit: 480 gpd  
Pretreatment Tank (gallons): 353  
Class 1 Aerobic Unit: NuWater 550-PC-400PT  
Pump tank total capacity (gal): 768  
Chlorination: Liquid installed in Tank  
Pump Switch operation: Float system  
Dosing cycle quantity (gals): Varied  
Cycling time: night time  
Pump size and capacity: Franklin E-Series 20 GPM

### Disposal Area per this System

$\pi (28)^2 = 2461.76$   
 $\pi (28)^2 = 2461.76$   
=  
=  
=  
Total irrigated area (sq. ft.): 4923.52

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.

[Signature]

1-15-19

Hoyt Seidensticker, R.S. No. 3588  
Land Stewardship Services, LLC, 1822 FM 473, Boerne, Texas 78006  
Cell (210) 414-6603, Fax (830) 336-4697



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.



# Site Map

Scale 1" = 50'

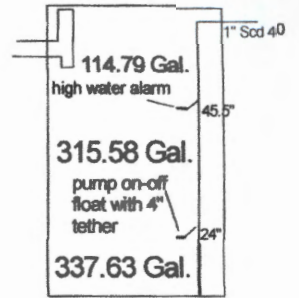


## Aerobic with Spray Distribution System

Donald W. Jr. and Sherry Hoyt  
 Lot 1237, Mystic Shores, unit 17  
 347 Toucan Drive  
 Canyon Lake, Texas 78070  
 Comal County



*Hoyt Seidensticker*



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

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100

Toucan Drive

This design complies with all provisions of the existing Edwards 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.

99

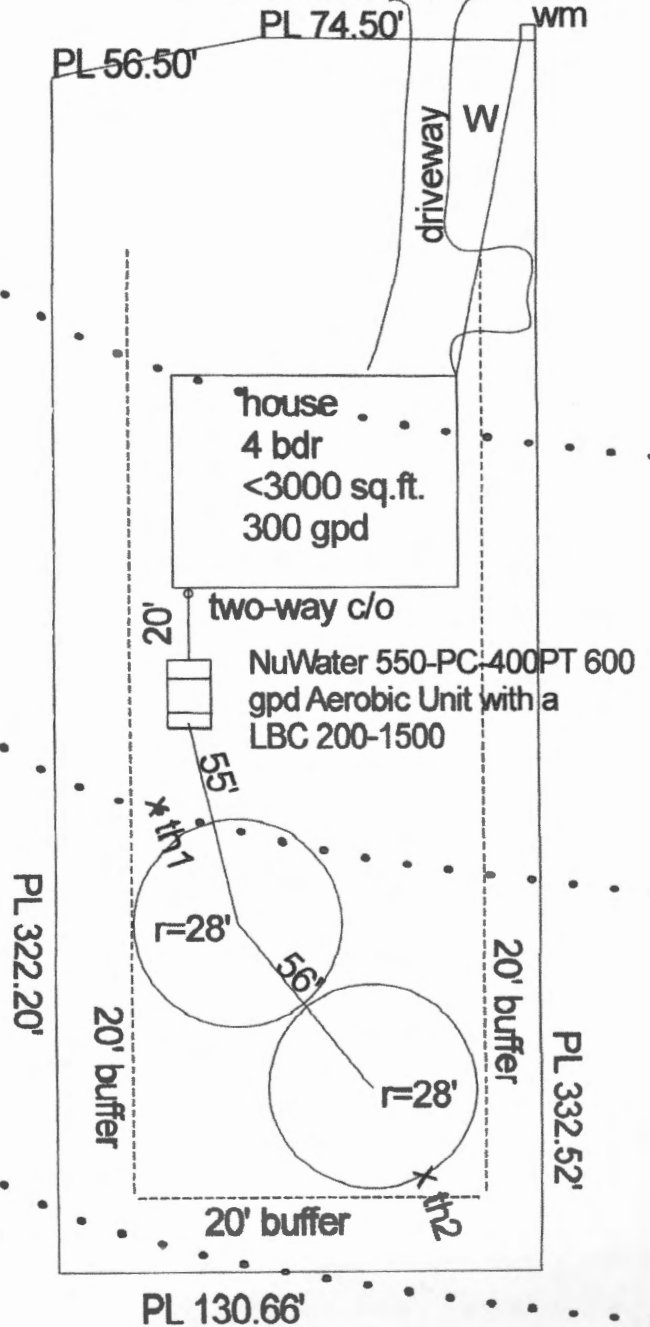
All external electrical lines must be in gray conduit. There shall be nothing in the surface application area within ten feet of the sprinkler which would interfere with the uniform application of the effluent. Areas that rock is exposed must be covered with a suitable amount of material. Areas that 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.

98

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.

100 yr flood plain does not exist on this tract

location of sprinkler heads may be adjusted in field to avoid obstacles





**Head Pressure**

|                 |              |
|-----------------|--------------|
| Elevation Head: | <u>4</u>     |
| Pressure Head:  | <u>92</u>    |
| Friction Head:  | <u>4.44</u>  |
| Total head:     | <u>100.4</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>2</u>        |
| Gallons per minute:            | <u>6.2</u>      |

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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 Chlorination Station 200-1500 Unit in the pump tank, before being disposed of through above ground sprinkler heads. All warning systems shall be installed with the aerobic unit

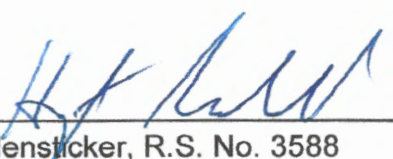
Land acceptable for surface application shall have a flat terrain (with less than or equal to 15% slope). Sloped land (with greater than 15% slope) may be acceptable if it is properly landscaped and terraced to minimize runoff. There shall be nothing in the surface application area within ten feet of 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 on the effluent in the pump tank and must be a minimum acceptable level of .1 mg/l residual.

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.



1-15-19  
Date



Hoyt Seidensticker, R.S. No. 3588  
Land Stewardship Services, LLC, 1822 FM 473, Boerne, Texas 78006  
Cell (210) 414-6603, Fax (830) 336-4697



# ON-SITE SEWERAGE FACILITY Soil Evaluation Report Information

Date Soil Survey Performed: 1/3/2019  
 Site Location: 347 Toucan Drive  
 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. Locations 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<br>rock   | <30%            | none                                   | yes, rock           | BROWN                             |
| 1 12 in                     |               |                |                 |  |                     |                                   |
| 2                           |               |                |                 |  |                     |                                   |
| 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<br>rock   | <30%            | none                                   | yes, rock           | BROWN                             |
| 1 12 in                     |               |                |                 |  |                     |                                   |
| 2                           |               |                |                 |  |                     |                                   |
| 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 \_\_\_ No x
- 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 Table XIII has been given to the property owner to inform them of other alternatives based upon the result of this site evaluation

  
 Signature of Site Evaluator

1-13-19  
 Date



ON-SITE SEWERAGE FACILITY  
Site Evaluation Report Information

Date: 1/3/2019 Site Evaluator Information:

**Applicant Information:** Name: Hoyt Seidensticker  
Name: Donald W, JR. and Sherry Hoyt LIC # OS0008771 Expires 8/31/2020  
Address: 8 Oak Villa Road Company: Land Stewardship Services, LLC  
City: Canyon Lake State: Texas Zip: 78133 Address: 1822 FM 473  
Phone: \_\_\_\_\_ City: Boerne State: Texas Zip: 78006  
Phone: (210) 414-6603 Fax: \_\_\_\_\_

**Property Location:** **Installer information:**  
Lot: 1237 Section: \_\_\_\_\_ Sub.: Mystic Shores, Unit 17 Name: Jeff Jay OS0020500  
Street/Road Address: 347 Toucan Drive LIC # OS0020500 Expires 8/31/2020  
City: Spring Branch State: Texas Zip: 78070 Company: J.A.J. Construction Services, LLC  
Unincorporated Area? Y or N y Address: 4 Sansom Road  
Additional information \_\_\_\_\_ City: Boerne State: Texas Zip: 78006  
Phone: (830) 336-3821 Fax: \_\_\_\_\_

**Schematic of Lot or Tract**

**Show:**

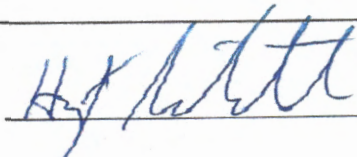
Compass North, adjacent streets, property lines, property lines, property dimensions, location of buildings, easements, water lines, and other surface improvements where known (drainage, patios, sidewalks).  
Location of existing or proposed water wells within 150 feet of property.  
Indicate slope or 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.

**SITE DRAWING**

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

**SEE ATTACHED**

Signature of Site Evaluator



Site Evaluator License No: OS0008771



# Assembly Details

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**DIMENSIONS:**

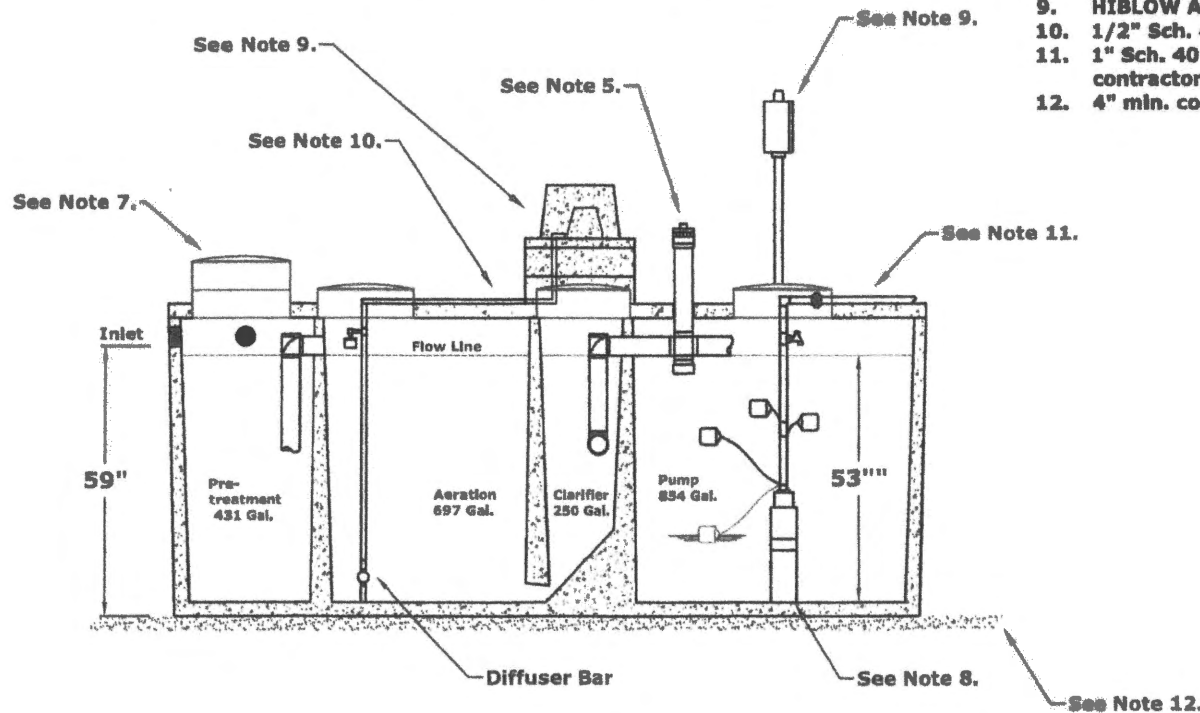
Outside Height: 67"  
 Outside Width: 75"  
 Outside Length: 164.5"

**MINIMUM EXCAVATION DIMENSIONS:**

Width: 87"  
 Length: 177"

**GENERAL NOTES:**

1. Plant structure material to be precast concrete and steel.
2. Maximum burial depth is 30" from slab top to grade.
3. Weight = 16,700 lbs.
4. Treatment capacity is 800 GPD. Pump compartment set-up for a 420 GPD Flow Rate (5 bedroom, < 4,501 sq/ft living area). Please specify for additional set-up requirements. BOD Loading = 2.60 lbs. per day.
5. Standard tablet chlorinator or Optional Liquid chlorinator. NSF approved chlorinators (tablet & liquid) available.
6. Bio-Robix B-800 Control Center w/ Timer for night spray application. Optional Micro Dose (min/sec) timer available for drip applications. Electrical Requirement to be 115 Volts, 60 Hz, Single Phase, 30 AMP, Grounded Receptacle.
7. 20" Ø access riser w/ lid (Typical 4). Optional extension risers available.
8. 20 GPM 1/2 HP, high head effluent pump.
9. HIBLOW Air Compressor w/ concrete housing.
10. 1/2" Sch. 40 PVC Air Line (Max. 50 Lft from Plant).
11. 1" Sch. 40 PVC pipe to distribution system provided by contractor.
12. 4" min. compacted sand or gravel pad by Contractor



## NuWater B-800 Aerobic Treatment Plant (Assembled)

Model: B-800

March, 2010  
 By: A.S.

Scale:  
 \* All Dimensions subject to allowable specification tolerances.

Dwg. #: ADV-8800-2



Advantage Wastewater Solutions llc.  
 444 A Old Hwy No 9  
 Comfort, TX 78013  
 830-995-3189  
 fax 830-995-4051

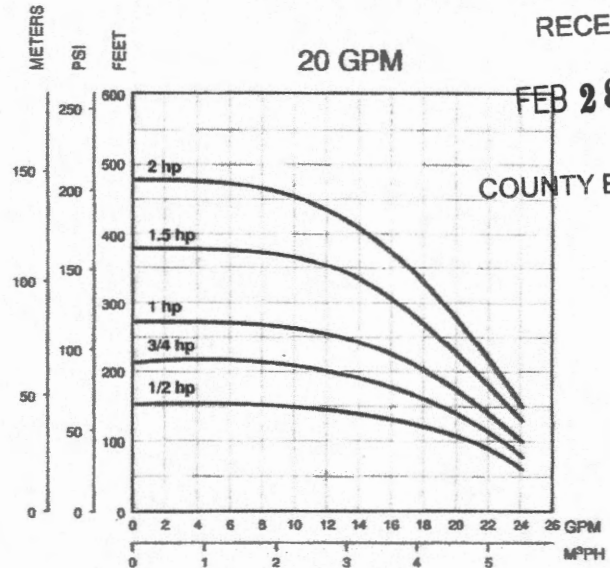
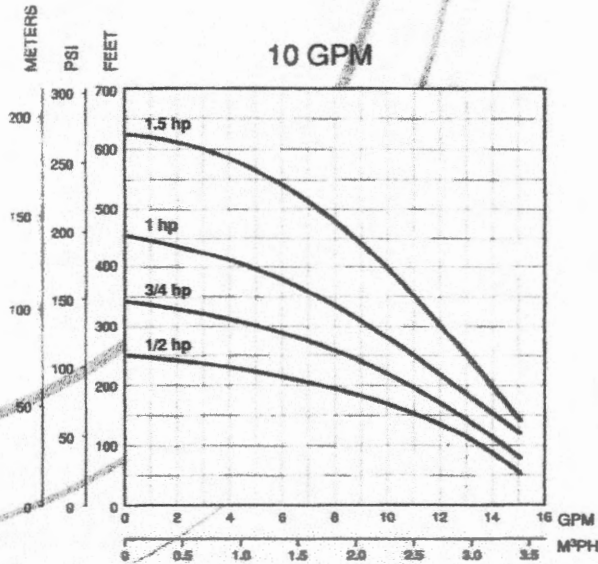


E-Series

# Environmental Series Pumps

FPS

## Thermoplastic Performance



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## Thermoplastic Units Ordering Information

### 1/2 - 1.5 HP Single-Phase Units

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

### Thermoplastic 1/2 - 2 HP Pump Ends

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



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**FPS**  
COUNTY ENGINEER  
**E series**

## High Head Filtered Effluent Pump


### Applications:

- Filtered Effluent Service
- Aeration
- Ornamental Fountains/Waterfalls

### Features:

- Ideal for filtered effluent pumping applications.
  - **Stainless Steel** or Thermoplastic discharge and motor bracket are tough and non-corrosive. Both materials are highly resistant to damage by minerals, metals and other substances typically found in water.
  - Heavy duty, 300 volt, 10' SJOOV motor leads.
  - Ceramic bearing sleeve has time proven durability for years of reliable service.
  - Hex rubber bearing has extra large surface assuring shaft stability and multiple flow channels keeping particles away from bearing surfaces.
  - Proven Noryl™ staging allows close tolerances and increased performance.
  - Stainless steel up thrust washer prevents excessive wear in severe applications.
  - Removable built in check valve.
  - Powered by Franklin Electric submersible motor.
1. Noryl is a Registered Trademark of G.E.



 **Franklin Electric**



# 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

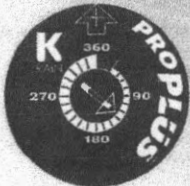
- 11003 ProPlus
- 11003-HP ProPlus 12" High Pop
- 11003-SH ProPlus Shrub Head

OTHER OPTIONS: ADD TO PART NUMBER

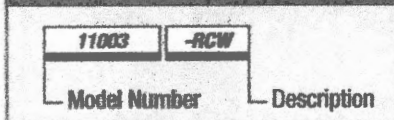
- CV Check Valve
- LA Low Angle Nozzle
- NN No Nozzle
- RCW ProPlus for Reclaimed Water w/Low Angle Nozzle

## 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 |                |             |            | METRIC  |                |            |              |
|-------------|----------------|-------------|------------|---------|----------------|------------|--------------|
| NOZZLES     | PRESSURE (PSI) | RADIUS (FT) | FLOW (GPM) | NOZZLES | PRESSURE (KPa) | RADIUS (M) | FLOW (L/MIN) |
| #0.5        | 206            | 2.0         | 8.5        | 1.89    | .11            |            |              |
|             | 275            | 3.0         | 8.8        | 2.27    | .14            |            |              |
|             | 345            | 3.5         | 8.8        | 2.85    | .16            |            |              |
|             | 413            | 4.0         | 9.1        | 3.03    | .18            |            |              |
| #0.75       | 206            | 2.0         | 8.8        | 2.85    | .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        | 206            | 2.04        | 11.8       | 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   | .96            |            |              |
|             | 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

| LOW ANGLE DATA |                |             |            | METRIC  |                |            |              |
|----------------|----------------|-------------|------------|---------|----------------|------------|--------------|
| NOZZLES        | PRESSURE (PSI) | RADIUS (FT) | FLOW (GPM) | NOZZLES | PRESSURE (KPa) | RADIUS (M) | FLOW (L/MIN) |
| #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.

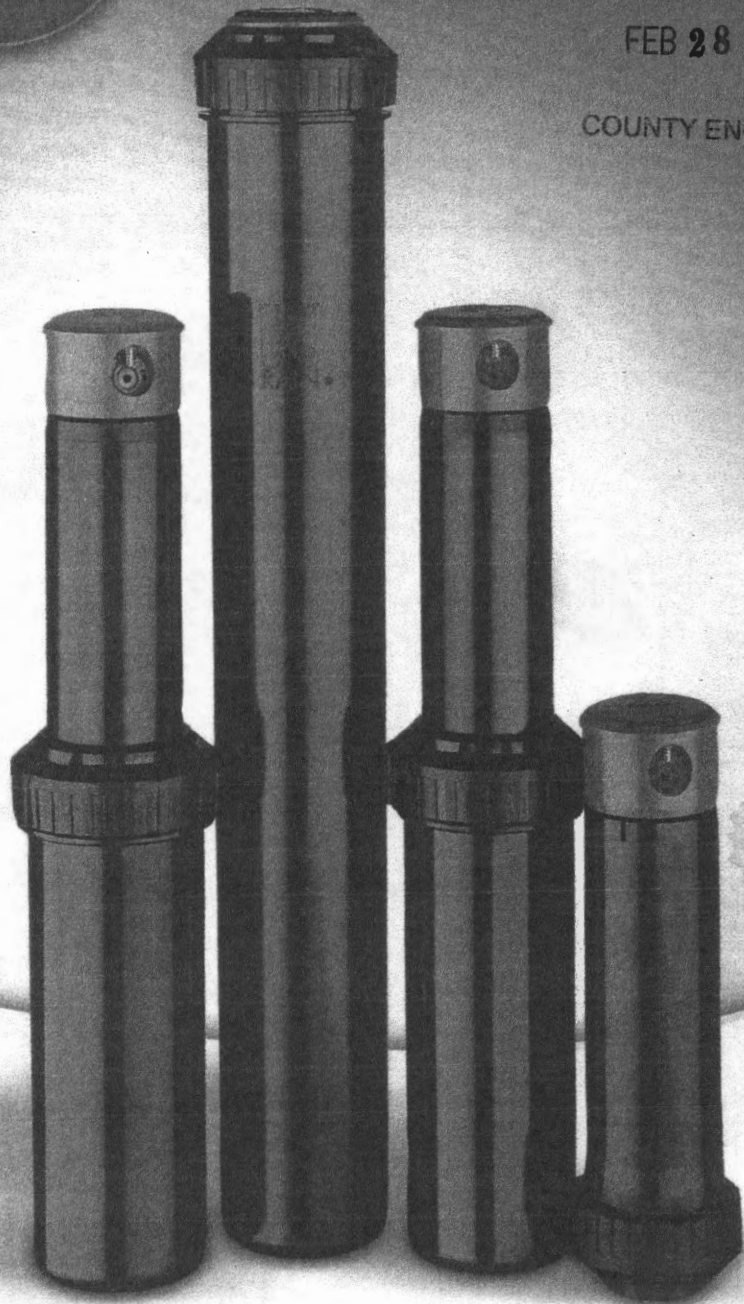


# PROPLUS™

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***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.

# K RAIN.

**IRRIGATION SOLUTIONS  
WORLDWIDE™**



Capital Title  
GF# 18-364389-BV

General Warranty Deed

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Notice of confidentiality rights: If you are a natural person, you may remove or strike any or all of the following information from 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. COUNTY ENGINEER

Date: June 19, 2018

Grantor: Jason Young

Grantor's Mailing Address: 2565 Comal Springs, Canyon Lake TX 78133

Grantee: **Sherry L. Hoyt** and **Donald W. Hoyt, Jr.**, husband and wife

Grantee's Mailing Address: 8 Oak Villa Rd., Canyon Lake, TX 78133

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

Property (including any improvements):

**Lot 1237, Mystic Shores, Unit Seventeen**, an Addition in Comal County, Texas, according to the Map or Plat recorded in Map Document No. 200606022555, Map and Plat Records of Comal County, Texas.

Reservations from Conveyance: None

Exceptions to Conveyance and Warranty:

This conveyance, however, is made and accepted subject to any and all restrictions, encumbrances, easements, covenants and conditions, if any, relating to the hereinabove described property as the same are filed for record in the County Clerk's Office of Comal County, Texas.


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



whomsoever lawfully claiming or to claim the same or any part thereof, except as to the Reservations from Conveyance and the Exceptions to Conveyance and Warranty.

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

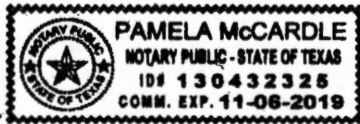
EXECUTED this 19th day of June, 2018.

  
Jason Young

THE STATE OF Texas      §  
   §  
COUNTY OF Comal      §

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COUNTY ENGINEER

The foregoing instrument was acknowledged before me on the 19th day of June, 2018 by Jason Young.



  
NOTARY PUBLIC, STATE OF Texas

AFTER RECORDING, RETURN TO:

8 Oak Villa Rd.  
Canyon Lake TX  
78133

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

Filed and Recorded  
Official Public Records  
Bobbie Koepp, County Clerk  
Comal County, Texas  
06/20/2018 11:38:08 AM  
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