



COMAL COUNTY

ENGINEER'S OFFICE

License to Operate On-Site Sewage Treatment and Disposal Facility

Issued This Date: 08/23/2019 Permit Number: 108376

Location Description: 123 HIGH POINT CIR
SPRING BRANCH, TX 78070
Subdivision: Mystic Shores
Unit: 10
Lot: 1113
Block:
Acreage:

Type of System: Aerobic
Surface Irrigation

Issued to: Klaus M. Greulich, LLC

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.

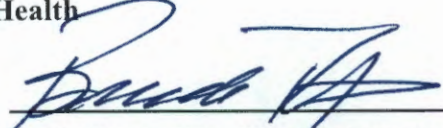
This license to operate is valid for an indefinite period. The holder may transfer it to a succeeding owner, provided the facility has not been remodeled and is functioning properly.

Licensing Authority

Comal County Environmental Health


ENVIRONMENTAL HEALTH INSPECTOR

OS0032485


ENVIRONMENTAL HEALTH COORDINATOR

OS0007722

7

Comal County Environmental Health OSSF Inspection Sheet

8-15-19-JC PASS

Installer Name: MT Septic OSSF Installer #: 050023596
1st Inspection Date: 2.26.19 2nd Inspection Date: 3.1.19 3rd Inspection Date: 7-31-19 FATC
Inspector Name: M. Jaeppewein Inspector Name: _____ Inspector Name: Conner

Permit #: 108376

Address: 123 High Pt. Circle - Mystic Shores

| No. | Description | Answer | Citation | Notes | 1st Insp. | 2nd Insp. | 3rd Insp. |
|-----|--|--------|--|-------|-----------|-----------|-----------|
| 1 | SITE AND SOIL CONDITIONS & SETBACK DISTANCES Site and Soil Conditions Consistent with Submitted Planning Materials | ✓ | 285.31(a) 285.30(b)(1)(A)(iv) 285.30(b)(1)(A)(v) 285.30(b)(1)(A)(iii) 285.30(b)(1)(A)(ii) 285.30(b)(1)(A)(i) | | 2/26/19 | | |
| 2 | SITE AND SOIL CONDITIONS & SETBACK DISTANCES Setback Distances Meet Minimum Standards | ✓ | 285.31(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)(ii) 285.32(b)(1)(E)(ii) | | | | |
| 7 | PRETREATMENT Grease Interceptors if required for commercial | | 285.34(d) | | | | |

MT- 2/26/19 3-1-19 8-15-19-JC - corrected, operational
 Tank set out, leveled Tank covered
 JC 7-31-19
 revision for location (tank & spray heads) 1st head
 sprays on driveway wall - large amount of rock in spray area

**Comal County Environmental Health
OSSF Inspection Sheet**

Final

| No. | Description | Answer | Citations | Notes | 1 st Insp. | 2 nd Insp. | 3 rd 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)(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) | | 2/26/19 | | |
| 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 | | | | | | |

7

Comal County Environmental Health OSSF Inspection Sheet

Installer Name: MAI Septic OSSF Installer #: _____
1st Inspection Date: 7-26-19 2nd Inspection Date: 3-1-19 3rd Inspection Date: 7-31-19 FATC
Inspector Name: M. Jaeppelein Inspector Name: _____ Inspector Name: Conna

Permit#: 108376 Address: 123 High Pt. Circle - Mystic Shores

| No. | Description | Answer | Citations | Notes | 1st Insp. | 2nd Insp. | 3rd Insp. |
|-----|--|--------|--|-------|-----------|-----------|-----------|
| 1 | SITE AND SOIL CONDITIONS & SETBACK DISTANCES Site and Soil Conditions Consistent with Submitted Planning Materials | / | 285.31(a) 285.30(b)(1)(A)(iv) 285.30(b)(1)(A)(v) 285.30(b)(1)(A)(iii) 285.30(b)(1)(A)(ii) 285.30(b)(1)(A)(i) | | 7/26/19 | | |
| 2 | SITE AND SOIL CONDITIONS & SETBACK DISTANCES Setback Distances Meet Minimum Standards | / | 285.31(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)(2)(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) | | | | |

MAI- 2/26/19
 Tank set out, leveled Tank covered
 3-1-19
 JC 7-31-19
 revision for location (tank ; spray heads) 1st head
 Sprays on driveway wall - large amount of rocks in spray area

**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)(II)285.33(d)(2)(G)(iv) 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) | | 2/26/19 | | |
| 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 Environmental Health OSSF Inspection Sheet

Installer Name: MT Septic OSSF Installer #: _____

1st Inspection Date: 2.26.19 2nd Inspection Date: 3.1.19 3rd Inspection Date: _____

Inspector Name: M. Jaeppeuxin Inspector Name: _____ Inspector Name: _____

Permit#: 108376 Address: 123 High Pt. Circle - Mystic Shores

| No. | Description | Answer | Citations | Notes | 1st Insp. | 2nd Insp. | 3rd Insp. |
|-----|--|--------|--|-------|-----------|-----------|-----------|
| 1 | SITE AND SOIL CONDITIONS & SETBACK DISTANCES Site and Soil Conditions Consistent with Submitted Planning Materials | / | 285.31(a) 285.30(b)(1)(A)(iv) 285.30(b)(1)(A)(v) 285.30(b)(1)(A)(iii) 285.30(b)(1)(A)(ii) 285.30(b)(1)(A)(i) | | 2/26/19 | | |
| 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)(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- 2/26/19
Tank set awry, leveled

3-1-19
Tank 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) 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)(III)(I) 285.32(b)(1)(E)(I) 285.32(b)(1)(D) 285.32(b)(1)(C)(II) 285.32(b)(1)(C)(I) 285.32(b)(1)(B) 285.32(b)(1)(A) 285.32(b)(1)(E)(IV) | | | | |
| 9 | ALL TANKS Installed on 4" Sand Cushion/ Proper Backfill Used | | 285.32(b)(1)(F) 285.32(b)(1)(G) 285.34(b) | | | | |
| 10 | SEPTIC TANK Inspection / Clean Out Port & Risers Provided on Tanks Buried Greater than 12" Sealed and Capped | | 285.38(d) | | | | |
| 11 | SEPTIC TANK Secondary restraint system provided SEPTIC TANK Riser permanently fastened to lid or cast into tank SEPTIC TANK Riser cap protected against unauthorized intrusions | | 285.38(d) 285.38(e) | | | | |
| 12 | SEPTIC TANK Tank Volume Installed | | | | | | |
| 13 | PUMP TANK Volume Installed | | | | | | |
| 14 | AEROBIC TREATMENT UNIT Size Installed | ✓ | | 600 | 2/24/19 | | |
| 15 | AEROBIC TREATMENT UNIT Manufacturer AEROBIC TREATMENT UNIT Model Number | ✓ | | ProFlo | | | |
| 16 | DISPOSAL SYSTEM Absorptive | | 285.33(a)(4) 285.33(a)(1) 285.33(a)(2) 285.33(a)(3) | | | | |
| 17 | DISPOSAL SYSTEM Leaching Chamber | | 285.33(a)(1) 285.33(a)(3) 285.33(a)(4) 285.33(a)(2) | | | | |
| 18 | DISPOSAL SYSTEM Evapo-transpirative | | 285.33(a)(3) 285.33(a)(4) 285.33(a)(1) 285.33(a)(2) | | | | |

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OSSF Inspection Sheet**

| No. | Description | Answer | Citations | Notes | 1st Insp. | 2nd Insp. | 3rd Insp. |
|-----|---|--------|--|-------|-----------|-----------|-----------|
| 19 | DISPOSAL SYSTEM Drip Irrigation | | 285.33(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) | | | | |

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OSSF Inspection Sheet**

| No. | Description | Answer | Citations | Notes | 1st Insp. | 2nd Insp. | 3rd Insp. |
|-----|--|--------|---|-------|-----------|-----------|-----------|
| | EFFLUENT DISPOSAL SYSTEM Utilized Only by Single Family Dwelling EFFLUENT DISPOSAL SYSTEM Topographic Slopes < 2.0% EFFLUENT DISPOSAL SYSTEM Adequate Length of Drain Field (1000 Linear ft. for 2 bedrooms or Less & an additional 400 ft. for each additional bedroom) EFFLUENT DISPOSAL SYSTEM Lateral Depth of 18 inches to 3 ft. & Vertical Separation of 1ft on bottom and 2 ft. to restrictive horizon and ground water respectfully EFFLUENT DISPOSAL SYSTEM Lateral Drain Pipe (1.25 - 1.5" dia.) & Pipe Holes (3/16 - 1/4" dia. Hole Size) 5 ft. Apart | | 285.33(b)(3)(A) 285.33(b)(3)(A) 285.33(b)(3)(B) 285.91(13) 285.33(b)(3)(D) 285.33(b)(3)(F) | | | | |
| 32 | AEROBIC TREATMENT UNIT Is Aerobic Unit Installed According to Approved Guidelines. | ✓ | 285.32(c)(1) | | 2/26/19 | | |
| 33 | AEROBIC TREATMENT UNIT Inspection/Clean Out Port & Risers Provided AEROBIC TREATMENT UNIT Secondary restraint system provided AEROBIC TREATMENT UNIT Riser permanently fastened to lid or cast into tank AEROBIC TREATMENT UNIT Riser cap protected against unauthorized intrusions | ✓ | | | | | |
| 34 | AEROBIC TREATMENT UNIT Chlorinator Properly Installed with Chlorine Tablets in Place. | ✓ | | | | | |
| 35 | PUMP TANK Is the Pump Tank an approved concrete tank or other acceptable materials & construction PUMP TANK Sampling Port Provided in the Treated Effluent Line PUMP TANK Check Valve and/or Anti- Siphon Device Present When Required PUMP TANK Audible and Visual High Water Alarm Installed on Separate Circuit From Pump | | | | | | |
| 36 | PUMP TANK Inspection/Clean Out Port & Risers Provided PUMP TANK Secondary restraint system provided PUMP TANK Riser permanently fastened to lid or cast into tank PUMP TANK Riser cap protected against unauthorized intrusions | | | | | | |
| 37 | PUMP TANK Secondary restraint system provided | | | | | | |

Comal County Environmental Health
OSSF Inspection Sheet

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

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OSSF Inspection Sheet**

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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)(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) | | 2/26/19 | | |
| 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 Environmental Health OSSF Inspection Sheet

Installer Name: MT Septic OSSF Installer #: _____

1st Inspection Date: 2.26.19 2nd Inspection Date: _____ 3rd Inspection Date: _____

Inspector Name: M. Joeppelein Inspector Name: _____ Inspector Name: _____

Permit#: 108376 Address: 123 High Pt. Circle - Mystic Shores

| No. | Description | Answer | Citations | Notes | 1st Insp. | 2nd Insp. | 3rd Insp. |
|-----|--|--------|---|-------|-----------|-----------|-----------|
| 1 | SITE AND SOIL CONDITIONS & SETBACK DISTANCES Site and Soil Conditions Consistent with Submitted Planning Materials | / | 285.31(a) 285.30(b)(1)(A)(iv) 285.30(b)(1)(A)(v) 285.30(b)(1)(A)(iii) 285.30(b)(1)(A)(ii) 285.30(b)(1)(A)(i) | | 2/26/19 | | |
| 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- 2/26/19
Tank set only, leveled

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| 8 | SEPTIC TANK Tank(s) Clearly Marked SEPTIC TANK If Single Tank, 2 Compartments Provided with Baffle SEPTIC TANK Inlet Flowline Greater than 3" and " T " Provided on Inlet and Outlet SEPTIC TANK Septic Tank(s) Meet Minimum Requirements | | 285.32(b)(1)(E) 285.91(2) 285.32(b)(1)(F) 285.32(b)(1)(E)(iii) 285.32(b)(1)(E)(ii)(II) 285.32(b)(1)(E)(ii)(I) 285.32(b)(1)(E)(i) 285.32(b)(1)(D) 285.32(b)(1)(C)(ii) 285.32(b)(1)(C)(i) 285.32(b)(1)(B) 285.32(b)(1)(A) 285.32(b)(1)(E)(iv) | | | | |
| 9 | ALL TANKS Installed on 4" Sand Cushion/ Proper Backfill Used | | 285.32(b)(1)(F) 285.32(b)(1)(G) 285.34(b) | | | | |
| 10 | SEPTIC TANK Inspection / Clean Out Port & Risers Provided on Tanks Buried Greater than 12" Sealed and Capped | | 285.38(d) | | | | |
| 11 | SEPTIC TANK Secondary restraint system provided SEPTIC TANK Riser permanently fastened to lid or cast into tank SEPTIC TANK Riser cap protected against unauthorized intrusions | | 285.38(d) 285.38(e) | | | | |
| 12 | SEPTIC TANK Tank Volume Installed | | | | | | |
| 13 | PUMP TANK Volume Installed | | | | | | |
| 14 | AEROBIC TREATMENT UNIT Size Installed | ✓ | | 600 | 2/24/19 | | |
| 15 | AEROBIC TREATMENT UNIT Manufacturer AEROBIC TREATMENT UNIT Model Number | ✓ | | ProFlo | | | |
| 16 | DISPOSAL SYSTEM Absorptive | | 285.33(a)(4) 285.33(a)(1) 285.33(a)(2) 285.33(a)(3) | | | | |
| 17 | DISPOSAL SYSTEM Leaching Chamber | | 285.33(a)(1) 285.33(a)(3) 285.33(a)(4) 285.33(a)(2) | | | | |
| 18 | DISPOSAL SYSTEM Evapo-transpirative | | 285.33(a)(3) 285.33(a)(4) 285.33(a)(1) 285.33(a)(2) | | | | |

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| 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) | | | | |

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| No. | Description | Answer | Citations | Notes | 1st Insp. | 2nd Insp. | 3rd Insp. |
|-----|--|--------|---|-------|-----------|-----------|-----------|
| 32 | EFFLUENT DISPOSAL SYSTEM Utilized Only by Single Family Dwelling EFFLUENT DISPOSAL SYSTEM Topographic Slopes < 2.0% EFFLUENT DISPOSAL SYSTEM Adequate Length of Drain Field (1000 Linear ft. for 2 bedrooms or Less & an additional 400 ft. for each additional bedroom) EFFLUENT DISPOSAL SYSTEM Lateral Depth of 18 inches to 3 ft. & Vertical Separation of 1ft on bottom and 2 ft. to restrictive horizon and ground water respectfully EFFLUENT DISPOSAL SYSTEM Lateral Drain Pipe (1.25 - 1.5" dia.) & Pipe Holes (3/16 - 1/4" dia. Hole Size) 5 ft. Apart | | 285.33(b)(3)(A) 285.33(b)(3)(A) 285.33(b)(3)(B) 285.91(13) 285.33(b)(3)(D) 285.33(b)(3)(F) | | | | |
| 33 | AEROBIC TREATMENT UNIT Is Aerobic Unit Installed According to Approved Guidelines. | ✓ | 285.32(c)(1) | | 2/26/19 | | |
| 34 | AEROBIC TREATMENT UNIT Inspection/Clean Out Port & Risers Provided AEROBIC TREATMENT UNIT Secondary restraint system provided AEROBIC TREATMENT UNIT Riser permanently fastened to lid or cast into tank AEROBIC TREATMENT UNIT Riser cap protected against unauthorized intrusions | ✓ | | | | | |
| 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 PUMP TANK Sampling Port Provided in the Treated Effluent Line PUMP TANK Check Valve and/or Anti- Siphon Device Present When Required PUMP TANK Audible and Visual High Water Alarm Installed on Separate Circuit From Pump | | | | | | |
| 37 | PUMP TANK Inspection/Clean Out Port & Risers Provided PUMP TANK Secondary restraint system provided PUMP TANK Riser permanently fastened to lid or cast into tank PUMP TANK Riser cap protected against unauthorized intrusions | | | | | | |
| 38 | PUMP TANK Secondary restraint system provided | | | | | | |

**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? | <input checked="" type="checkbox"/> | 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) | | 2/26/19 | | |
| 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 | <input checked="" type="checkbox"/> | 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: 108376
Issued This Date: 11/27/2018
This permit is hereby given to: Klaus M. Greulich, LLC

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

123 HIGH POINT CIR
SPRING BRANCH, TX 78070

Subdivision: Mystic Shores
Unit: 10
Lot: 1113
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.

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

Date 09/13/2018 Permit # 108376
 Owner Name KLAUS M. GREULICH LLC Agent Name ~~KLAUS M. Greulich LLC~~
 Mailing Address 7528 ROYAL CRYSTAL Agent Address Hoyt Seidenstick
 City, State, Zip LAS VEGAS, NV 89149 City, State, Zip _____
 Phone # 702-466-2227 Phone # 210 414 6603
 Email KGLASVEGASREALTOR@GMAIL.COM Email hoyt@qvtc.com

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

Subdivision Name MYSTIC SHORES Unit 10 Lot 1113 Block N/A
 Acreage/Legal 1.0760 acres / Mystic shores 10, Lot 1113 SPRING BRANCH
 Street Name/Address 123 HIGH POINT CIRCLE City HUSTON 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 2046

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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)

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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: \$ 200,000.00 (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.

Signature of Owner [Signature]

Date 09/13/18

*** 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 Holt Seidantel

System Description Aerobic with Sprayer Distribution

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

Tank Size(s) (Gallons) 500 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.)

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

(If yes, the planning materials must be completed by a Registered Sanitarian (R.S.) or Professional Engineer (P.E.))

Is there an existing TCEQ approved WPAP for the property? Yes No

(If yes, the R.S. or P.E. shall certify that the OSSF design complies with all provisions of the existing WPAP.)

If there is no existing WPAP, does the proposed development activity require a TCEQ approved WPAP? Yes No

(If yes, the R.S. or P.E. shall certify that the OSSF design will comply with all provisions of the proposed WPAP. A Permit to Construct will not be issued for the proposed OSSF until the proposed WPAP has been approved by the appropriate regional office.)

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

Is there an existing TCEQ approval CZP for the property? Yes No

(If yes, the P.E. or R.S. shall certify that the OSSF design complies with all provisions of the existing CZP.)

If there is no existing CZP, does the proposed development activity require a TCEQ approved CZP? Yes No

(If yes, the R.S. or P.E. shall certify that the OSSF design will comply with all provisions of the proposed CZP. A Permit to Construct will not be issued for the proposed OSSF until the CZP has been approved by the appropriate regional office.)

Is this property within an incorporated city? Yes No

If yes, indicate the city: _____

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By signing this application, I certify that:

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

Holt Seidantel
Signature of Designer

10-10-17
Date

Page 2 of 2



201806040573 10/15/2018 02:40:23 PM 1/1

Yes

Affidavit to the Public

THE COUNTY OF
STATE OF TEXAS

Comal

CERTIFICATION OF OSSF REQUIRING MAINTENANCE

Before me, the undersigned authority, on this day personally appeared KLAUS GREULICH who, after being, by me, duly sworn, upon oath states that he/she is the owner of record of that certain tract or parcel of land lying and being situated in COMAL County, Texas and being more particularly described as follows: 123 High Point Circle, Spring Branch TX 78070

Legal Description of property is as follows:

123 HIGH POINT CIRCLE SPRING BRANCH, TX 78070

Lot 1113, Mystic Shores, Unit 10

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

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

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

Upon sale or transfer of the above-described property, the permit for the OSSF shall be transferred to the buyer or new owner. A copy of the planning materials for the OSSF may be obtained from (Comal County).

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Signed by my/our hand(s) on this 15 Day of Sept. 2018

Signature [Signature]

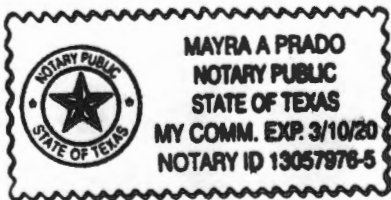
COUNT. N. 113

Print Name KLAUS GREULICH

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

WITNESS MY HAND AND OFFICIAL SEAL THIS THE 15 DAY OF September, 2018.

Mayra Prado
Notary Public, State of Texas
My Commission Expires: 3/10/20



Filed and Recorded
Official Public Records
Bobbie Koepf, County Clerk
Comal County, Texas
10/15/2018 02:40:23 PM
TERRI 1 Page(s)
201806040573



Bobbie Koepf

MJ Central Texas Septic, LLC

DBA MJ Septic

27552 Old Blanco Road
San Antonio, Texas 78260
(210) 875-3625 * (210) 889-4606
mjseptic@satx.rr.com (email)
www.mjseptic.com

Aerobic Installation * Aerobic Maintenance Contracts RECEIVED

Real Estate Inspections * Cleaning/Pumping

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

NOV 16 2018

PROPERTY ADDRESS: 123 HIGH POINT CIRCLE SPRING BRANCH, TX 78070 COUNTY ENGINEER

The Texas Commission on Environmental Quality (TCEQ) require all ATU's to be checked and maintained every four months for the life of the unit (some permitting authorities may stipulate this requirement, after the first two years after installation; call your county to inquire). Upon expiration of this contract, MJ Septic will offer a continuation of your maintenance contract to cover labor and routine maintenance/reports. Lab testing, if required, for coliform, TSS, BOD etc. are NOT included in this policy and applicable fees are the owner's responsibility.

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

- The annual fee on your contract includes the following: an inspection every four months (three times annually) which include inspecting the mechanical, electrical and other applicable components to ensure proper function.
Repairs I: If repairs or replacement of parts is needed during routine inspection, we will try to contact the homeowner for approval if we are able to repair onsite.
Repairs II: For ATU's under initial installation warranty (2 years from initial installation date) if warranted items are required to be replaced within 30 days of installation, part will be replaced with no fees, after 30 days there will be a \$75 warranty credit fee assessed on all parts.
Additional Service Calls/Charges: If a service call is required by homeowner/renter between regular inspections, a service call fee of \$75 (not including parts and/or cleaning/pumping) will be assessed.
Chlorine: The property owner is responsible for maintaining the chlorine supply. TCEQ regulation requires proper chlorination.
Cleaning/Pumping: The cleaning/pumping of your ATU is not included in your maintenance contract. We always recommend pumping between 10-12" of sludge.
Transfer of Property/Ownership: The fee of this maintenance contract is non-refundable, however is fully transferrable to the new owner(s).
Altering the system: Do not allow alteration to any part of the system or sprinkler head locations.
Violations of Warranty: Violations of the warranty include but are not limited to the following: turning off your system at any time, disconnecting the alarm; restricting airflow to the Air Compressor, overloading the system above its daily rated capacity, introducing excessive amounts of harmful matter (including harsh chemicals, cleaners, antibiotics, etc.) into the system or any other harmful usage of your OSSF/ATU.
Terms of Payment: Payment is due in full for the maintenance contract at time of signing.
Maintenance Tips/Owner Guide: Please read the attached Maintenance Tips/Owner Guide. Following these easy steps can help prevent unnecessary and avoidable expenses to the homeowner(s). Please initial here that you've received a copy of this document: [initials] (keep the maintenance tips/guide for your reference)

CIRCLE ONE CHOICE BELOW

Contract Verified (office use only)

Table with 4 columns: 1 YEAR (\$285), 2 YEAR (\$530), 3 YEAR (\$675), 2 YEAR INITIAL (Included in Installation). Includes terms: Paid in Full at Sign Up, Non-Refundable, Does Not Include Additional Charges Noted Above. Homeowner(s) are NOT required to be present at inspections.

Acceptance of Maintenance Contract: The above prices, specifications, and conditions are satisfactory and are hereby accepted. MJ Septic is authorized to enter property to perform routine maintenance inspections as agreed. I have read and agree to the maintenance contract guidelines stated above and have also read and agree to comply with the Maintenance Tips/Owner Guide.

Accepted by Signature: [Signature] Printed Name: KLAUS GREULICH Email: KGLASVIEG@REATOR
Phone Numbers: (Home) [blank] (Mr. Cell) 702-466-2227 (Mrs. Cell) [blank] (Work) [blank]
Subdivision: Mystic Shores # of Occupants in Home: 3 Gate Codes/Combination Locks, etc. N/A Biting Dogs: N/A
(MJ Septic will assess a \$75 service fee if we are not notified of gate code changes, biting dogs, etc.)

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

Date: 9/13/18

ON-SITE SEWAGE FACILITY
Site Evaluation Report Information

Date: 9/21/2018

Site Evaluator Information:

Applicant Information:

Name: Klaus M Greulich, LLC

Address: 7528 Royal Crystal

City: Las Vegas State: Nevada

Phone: 702-466-2227

Name: Hoyt Seidensticker

License # OS0008771 Expires 8/31/2020

Company: Land Stewardship Services, LLC

Address: 1822 FM 473

City: Boerne State: Texas Zip: 78006

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

Property Location:

Lot: 1113 Block: _____ Sub.: Mystic Shores, Unit 10

Street/Road Address: 123 High Point Circle

City: Spring Branch State: Texas

Unincorporated Area? Y or N

Additional information _____

Installer information:

Name: Michael Long

License OS0023596

Company: MJ Central Texas Septic

Address: 27552 Old Blanco Road

City: SA State: Texas Zip: 78260

Phone: (210) 387-0025 Fax: _____

Schematic of Lot or Tract

Show:

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

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

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

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

Location of natural, constructed, or proposed drainage ways, (streams, ponds, lakes, rivers,

high tide of salt water bodies) water impoundments areas, cut or fill bank, sharp slopes and breaks.

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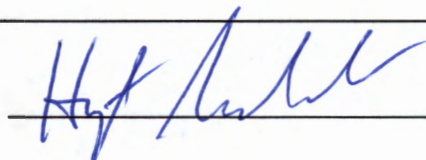
SITE DRAWING

Lot Size: _____

COUNTY ENGINEER
_____ acres

SEE ATTACHED

Signature of Site Evaluator



Site Evaluator License No: OS0008771

ON-SITE SEWAGE FACILITY Soil Evaluation Report Information

Date Soil Survey Performed: 9/13/2018

Site Location: 1113 high Point Circle

Name of Site Evaluator: Hoyt Seidensticker Registration Number: OS0008771

Proposed Excavation Depth: n/a County: Comal

Requirements:

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

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

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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 Tables IX and XIII have been given to the property owner to inform them of other alternatives based upon the result of this site evaluation

Hoyt Seidensticker
Signature of Site Evaluator

10-10-18
Date

10/10/2018

9:37 AM

Aerobic with Spray
Distribution System

ON-SITE SEWAGE FACILITY DESIGN CRITERIA

Klaus M Greulich, LLC

Property Information:

St. Address: 123 High Point Circle

City: Spring Branch State: Texas

Zip code: 78070

Predicted Quantity of Sewage (Q)

Water Saving Devices in Home (y/n): YES

Gallons/day (Q): 300

Greywater included (yes/no): YES

Rate of Adsorption (Ra)

Application rate (g/sq. ft): 0.064

Minimum Adsorptive Area (sq. ft.): 4687.5

Aerobic Unit

Required size of aerobic unit: 480 gpd

Pretreatment Tank (gallons): 447

Class 1 Aerobic Unit: ProFlo 500 SLPT2

Pump tank total capacity (gal): 796

Chlorination: liquid chlorinator in pump tank

Pump Switch operation: Float

Dosing cycle quantity (gals): Varied

Cycling time: night time

Pump size and capacity: Sta-rite plus D series
20 gpm

House Information

Number of Bedrooms: 4

Sq. footage (Approx.): 2046

Water Supply: public

Supply Line from House

Length of supply line (approx. ft): 30

Type of supply line: SCH 40 PVC

Size of Supply line (in): 3 or 4

Supply Line For Spray Irrigation System

Length of supply line (approx. ft): 91

Type of supply line: Purple SCH 40

Size of supply line (in): 1

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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.

Hoyt Seidensticker

Hoyt Seidensticker, R.S. No. 3588

10-10-18

Date

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.

10/10/2018

9:37 AM

Aerobic with Spray
Distribution System

ON-SITE SEWAGE FACILITY DESIGN CRITERIA

Klaus M Greulich, LLC

Head Pressure

| | |
|-----------------|--------------|
| Elevation Head: | <u>4</u> |
| Pressure Head: | <u>92</u> |
| Friction Head: | <u>3.64</u> |
| Total head: | <u>99.64</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> |

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

All warning systems shall be installed with the aerobic unit

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

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

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

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

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

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

Hoyt Seidensticker, R.S. No. 3588

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

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

10-10-18
Date

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Scale 1"=50'



Site Map 108376 ~~000000~~ Aerobic with Spray Distribution System

Klaus M Greulich LLC

REVISED
8:04 am, Aug 14, 2019

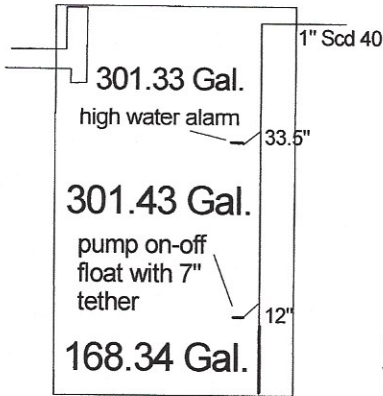
Lot: 1113

Mystic Shores Subdivision, Unit 10

123 High Point Circle

Spring Branch, Texas 78070

Comal County



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.



Hoyt Seidensticker

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

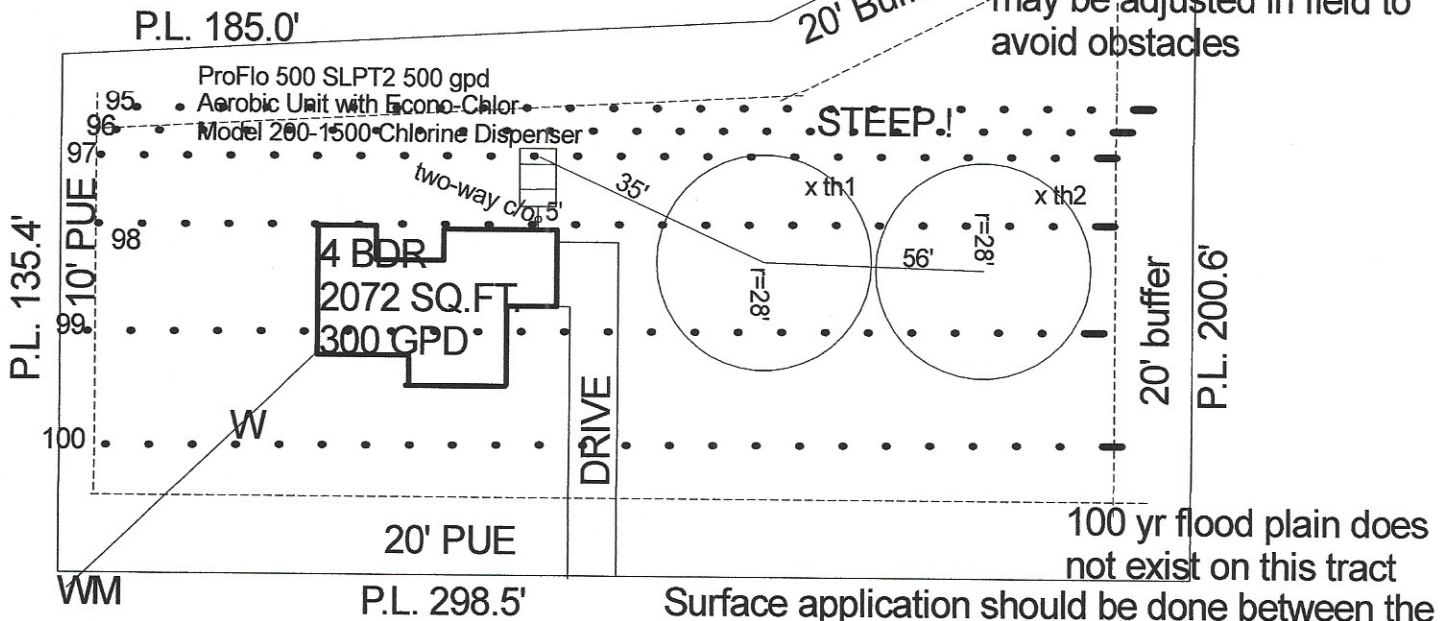
Areas that rock is exposed must be covered with a suitable amount of material. Areas that are bare or have been disturbed must be seeded or sodded with a mixture of rye and bermuda grasses or other grass species prior to system operation.

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

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

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

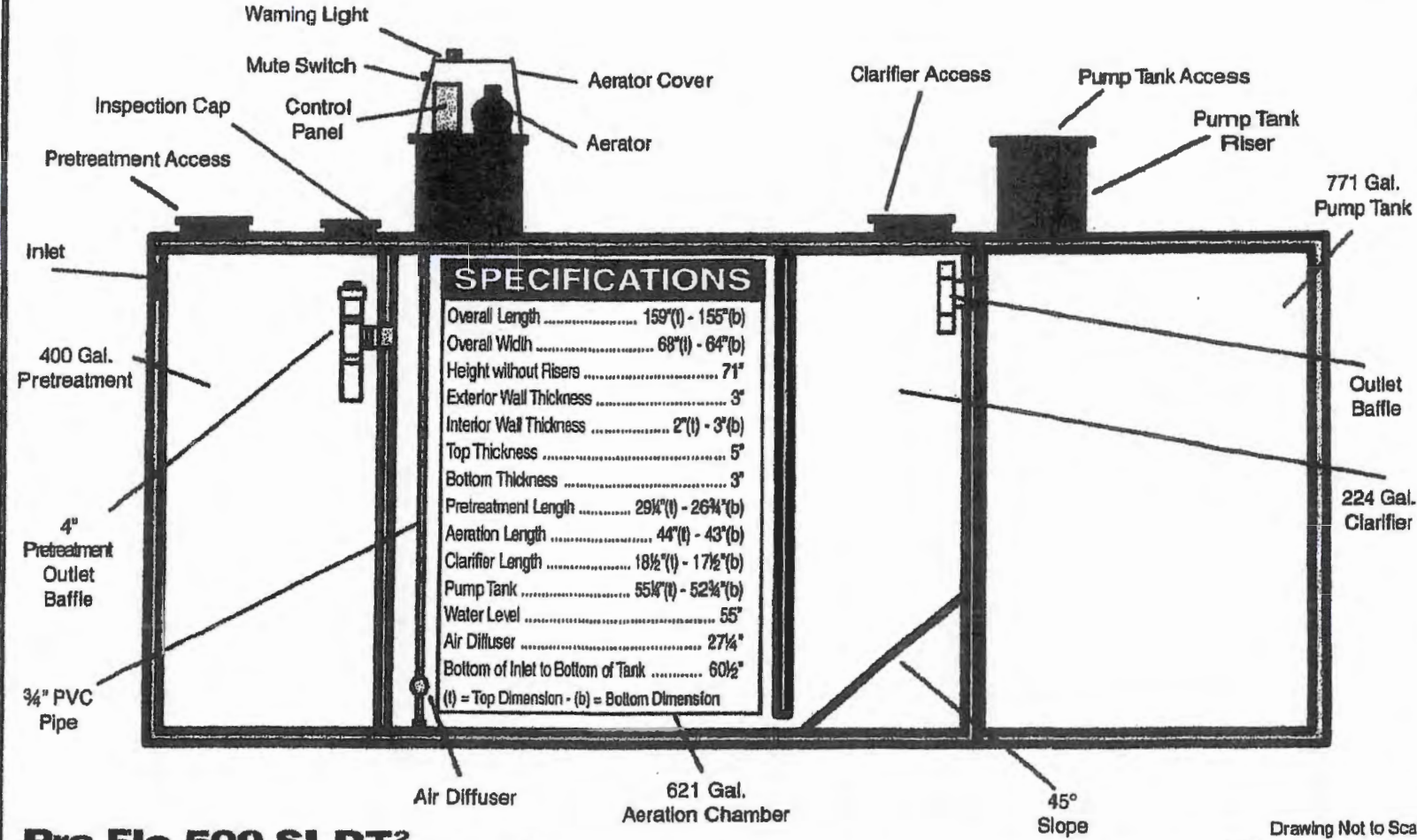


Surface application should be done between the hours of 12:00 midnight and 5:00 a.m.

123 HIGH POINT CIRCLE

Configurations may vary.

Pro Flo 500 SLPT² System Diagram



SPECIFICATIONS

| | |
|--|-------------------|
| Overall Length | 159"(t) - 155"(b) |
| Overall Width | 68"(t) - 64"(b) |
| Height without Risers | 71" |
| Exterior Wall Thickness | 3" |
| Interior Wall Thickness | 2"(t) - 3"(b) |
| Top Thickness | 5" |
| Bottom Thickness | 3" |
| Pretreatment Length | 29½"(t) - 26¾"(b) |
| Aeration Length | 44"(t) - 43"(b) |
| Clarifier Length | 18½"(t) - 17½"(b) |
| Pump Tank | 55¼"(t) - 52¾"(b) |
| Water Level | 55" |
| Air Diffuser | 27¼" |
| Bottom of Inlet to Bottom of Tank | 60½" |
| (t) = Top Dimension - (b) = Bottom Dimension | |

Pro Flo 500 SLPT²

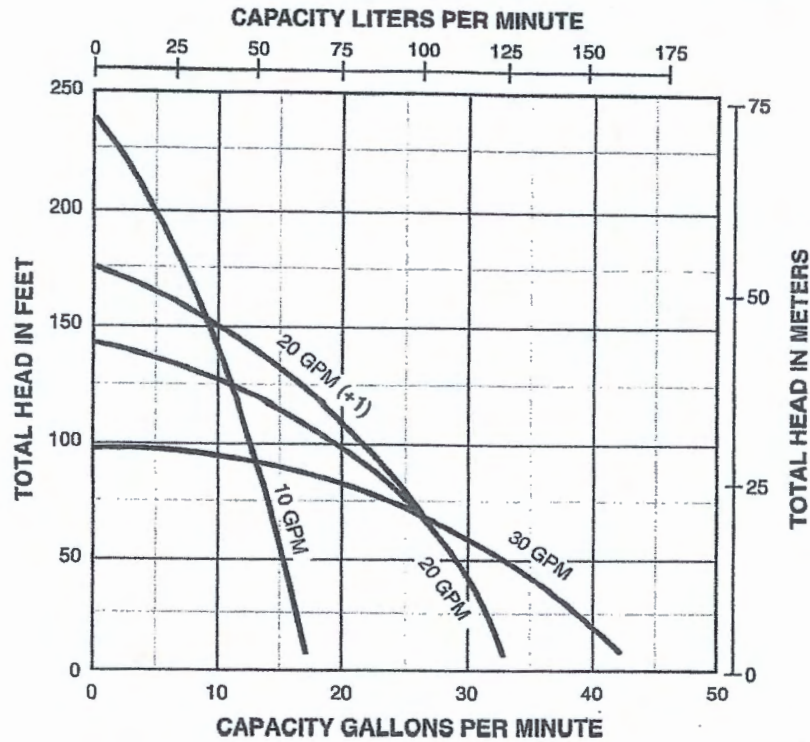
Drawing Not to Scale
All Gallonage Approximate

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4" multi-stage submersible pump

PUMP PERFORMANCE



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PUMP PERFORMANCE (Capacity in Gallons per Minute)

| Pump Model | Flow Rate (GPM) | PSI | | | | | | | | | | | |
|--------------|-----------------|-----|------|------|------|------|------|------|-----|-----|-----|-----|-----|
| | | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 |
| 10DOM05221 | 10 | | | 15.0 | 13.7 | 12.7 | 11.5 | 10.2 | 8.4 | 6.5 | 4.3 | 1.0 | |
| 10DOM05121 | 10 | | | 15.0 | 13.7 | 12.7 | 11.5 | 10.2 | 8.4 | 6.5 | 4.3 | 1.0 | |
| 20DOM05221 | 20 | | | 30.0 | 26.0 | 21.5 | 14.2 | 4.4 | | | | | |
| 20DOM05121 | 20 | | | 30.0 | 26.0 | 21.5 | 14.2 | 4.4 | | | | | |
| 30DOM05221 | 30 | | 38.5 | 33.3 | 25.8 | 16 | | | | | | | |
| 30DOM05121 | 30 | | 38.5 | 33.3 | 25.8 | 16 | | | | | | | |
| 20DOM05221+1 | 20+1 | | | 30 | 27.5 | 24 | 20 | 13.5 | 6 | | | | |
| 20DOM05121+1 | 20+1 | | | 30 | 27.5 | 24 | 20 | 13.5 | 6 | | | | |

PUMP PERFORMANCE (Capacity in Liters per Minute)

| Pump Model | Flow Rate (LPM) | Bar | | | | | | | | | | | |
|--------------|-----------------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|
| | | 0 | .69 | 1.38 | 2.07 | 2.76 | 3.45 | 4.13 | 4.82 | 5.51 | 6.20 | 6.89 | 7.58 |
| 10DOM05221 | 37.85 | | 56.8 | 51.9 | 48.1 | 43.5 | 38.6 | 31.8 | 24.6 | 16.3 | 3.8 | | |
| 10DOM05121 | 37.85 | | 56.8 | 51.9 | 48.1 | 43.5 | 38.6 | 31.8 | 24.6 | 16.3 | 3.8 | | |
| 20DOM05221 | 75.7 | | 113.6 | 98.4 | 81.4 | 53.7 | 16.7 | | | | | | |
| 20DOM05121 | 75.7 | | 113.6 | 98.4 | 81.4 | 53.7 | 16.7 | | | | | | |
| 30DOM05221 | 113.55 | 145.7 | 126.0 | 97.7 | 60.6 | | | | | | | | |
| 30DOM05121 | 113.55 | 145.7 | 126.0 | 97.7 | 60.6 | | | | | | | | |
| 20DOM05221+1 | 75.7+1 | | | 113.4 | 103.9 | 90.7 | 75.6 | 51.0 | 22.6 | | | | |
| 20DOM05121+1 | 75.7+1 | | | 113.4 | 103.9 | 90.7 | 75.6 | 51.0 | 22.6 | | | | |

4" multi-stage submersible pump



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



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

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

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

APPLICATIONS

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

SPECIFICATIONS

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

Shell – Stainless steel (300 grade)

Discharge – Fiberglass-reinforced thermoplastic

Discharge Bearing – Nylatron®

Impellers – Acetel

Diffusers – Polycarbonate

Suction Caps – Polycarbonate with stainless steel wear ring

Thrust Pads – Proprietary spec.

Shaft and Coupling – Stainless steel 300 grade

Intake – Fiberglass-reinforced thermoplastic

Intake Screen – Stainless steel

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

Agency Listing – UL and CSA

STEP Plus™ D SERIES

FEATURES

STEP Plus DOMINATES with a...

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

Superior "draw-down" capability –

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

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

Cooler and quieter operation –

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

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

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

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

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

ORDERING INFORMATION

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

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

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

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

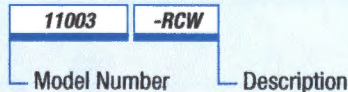
- CV** Check Valve
- LA** Low Angle Nozzle
- NN** No Nozzle
- RCW** ProPlus for Reclaimed Water w/Low Angle Nozzle

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: 50"

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PERFORMANCE DATA

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

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| METRIC | | | | |
|-----------------------|--------------|---------------|----------|-----------|
| NOZZLES | PRESSURE KPA | RADIUS METERS | FLOW L/M | FLOW M3/H |
| #0.5 | 206 | 2.0 | 8.5 | 1.89 |
| | 275 | 3.0 | 8.8 | 2.27 |
| | 345 | 3.5 | 8.8 | 2.65 |
| | 413 | 4.0 | 9.1 | 3.03 |
| #0.75 | 206 | 2.0 | 8.8 | 2.65 |
| | 275 | 3.0 | 9.1 | 3.03 |
| | 345 | 3.5 | 9.4 | 3.41 |
| | 413 | 4.0 | 9.8 | 3.79 |
| #1 | 206 | 2.0 | 9.8 | 4.92 |
| | 275 | 3.0 | 10.1 | 5.68 |
| | 345 | 3.5 | 10.4 | 6.05 |
| | 413 | 4.0 | 10.7 | 6.81 |
| #2 | 206 | 2.0 | 11.3 | 9.08 |
| | 275 | 3.0 | 12.2 | 9.46 |
| | 345 | 3.5 | 12.8 | 11.35 |
| | 413 | 4.0 | 13.1 | 12.49 |
| #2.5 PRE-INSTALLED | 206 | 2.04 | 11.6 | 9.46 |
| | 275 | 2.72 | 11.9 | 10.60 |
| | 345 | 3.40 | 12.2 | 12.11 |
| | 413 | 4.08 | 12.5 | 13.25 |
| #3 | 206 | 2.0 | 11.6 | 13.63 |
| | 275 | 3.0 | 11.9 | 15.89 |
| | 345 | 3.5 | 12.5 | 17.41 |
| | 413 | 4.0 | 12.8 | 18.92 |
| #4 | 206 | 2.0 | 13.1 | 16.65 |
| | 275 | 3.0 | 13.4 | 19.30 |
| | 345 | 3.5 | 14.0 | 21.19 |
| | 413 | 4.0 | 14.9 | 22.33 |
| #6 | 206 | 3.0 | 13.7 | 22.33 |
| | 275 | 3.5 | 14.0 | 22.71 |
| | 345 | 4.0 | 14.6 | 23.85 |
| | 413 | 5.0 | 14.9 | 25.35 |
| #8 | 206 | 3.0 | 12.8 | 30.28 |
| | 275 | 3.5 | 13.7 | 32.12 |
| | 345 | 4.0 | 14.8 | 35.95 |
| | 413 | 5.0 | 15.3 | 37.85 |

LOW ANGLE DATA

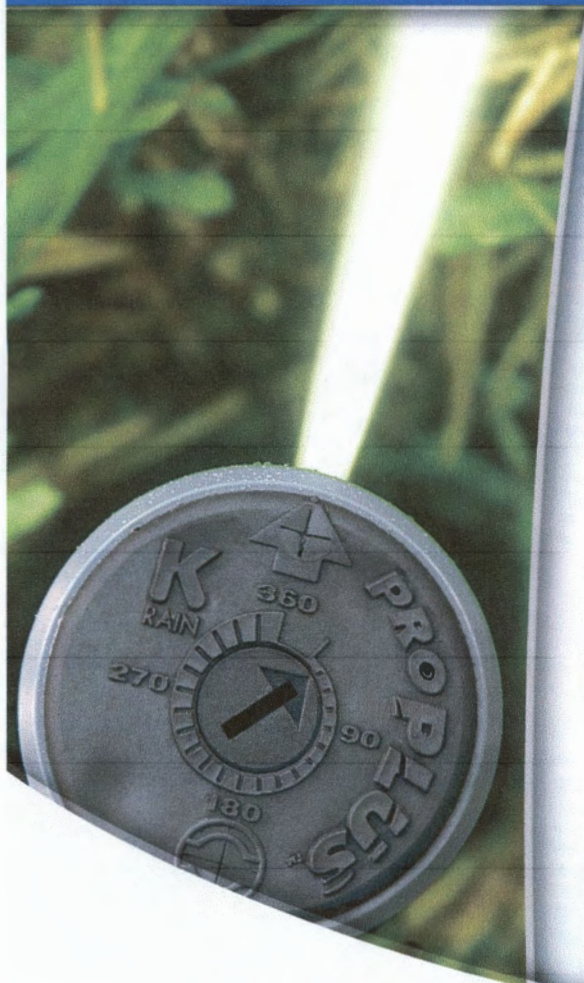
| NOZZLES | PRESSURE PSI | RADIUS FT. | FLOW GPM |
|---------|--------------|------------|----------|
| #1 | 30 | 22' | 1.2 |
| | 40 | 24' | 1.7 |
| | 50 | 26' | 1.8 |
| | 60 | 28' | 2.0 |
| #3 | 30 | 29' | 3.0 |
| | 40 | 32' | 3.1 |
| | 50 | 35' | 3.5 |
| | 60 | 37' | 3.8 |
| #4 | 30 | 31' | 3.4 |
|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

METRIC

| NOZZLES | PRESSURE KPA | RADIUS METERS | FLOW L/M | FLOW M3/H |
|---------|--------------|---------------|----------|-----------|
| #1 | 207 | 2.04 | 6.71 | 4.54 |
| | 275 | 2.72 | 7.32 | 6.43 |
| | 344 | 3.40 | 7.92 | 6.80 |
| | 413 | 4.08 | 8.53 | 7.56 |
| #3 | 207 | 2.04 | 8.84 | 11.34 |
| | 275 | 2.72 | 9.75 | 11.72 |
| | 344 | 3.40 | 10.67 | 13.23 |
| | 413 | 4.08 | 11.58 | 14.36 |
| #4 | 207 | 2.04 | 9.45 | 12.85 |
| | 275 | 2.72 | 10.36 | 14.74 |
| | 344 | 3.40 | 11.28 | 16.63 |
| | 413 | 4.08 | 11.58 | 17.77 |
| #6 | 275 | 2.72 | 11.58 | 24.57 |
| | 344 | 3.40 | 12.19 | 27.59 |
| | 413 | 4.08 | 12.80 | 30.24 |
| | 482 | 4.76 | 13.41 | 32.51 |

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

PROPLUS™



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

- ▶ **Revolutionary Patented Easy Arc Set** – Simplified arc set allows for wet or dry adjustment in seconds.
- ▶ **5" Riser** – Perfect for grasses with thick thatch.
- ▶ **3/4" Inlet** – Replaces all standard rotors.
- ▶ **2N1 Adjustable or Continuous Rotation** – Provides a full range adjustment from 40° to a continuous full circle.
- ▶ **Patented Arc Set Degree Markings** – Clearly indicates the current watering pattern and simplifies arc set adjustment.
- ▶ **Arc Memory Clutch** – Prevents internal gear damage and returns rotor to its prior setting automatically if nozzle turret is forced past its stop.
- ▶ **Time Proven Patented Reversing Mechanism** – Assures continuous reverse and return...over a 20 year history.



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- ▶ **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™**

Scale 1"=50'



Site Map **VOID**

Aerobic with Spray Distribution System

Klaus M Greulich LLC

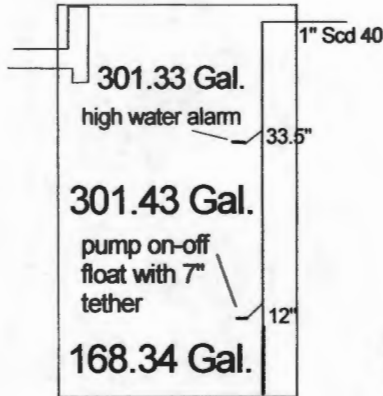
Lot: 1113

Mystic Shores Subdivision, Unit 10

123 High Point Circle

Spring Branch, Texas 78070

Comal County



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.

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

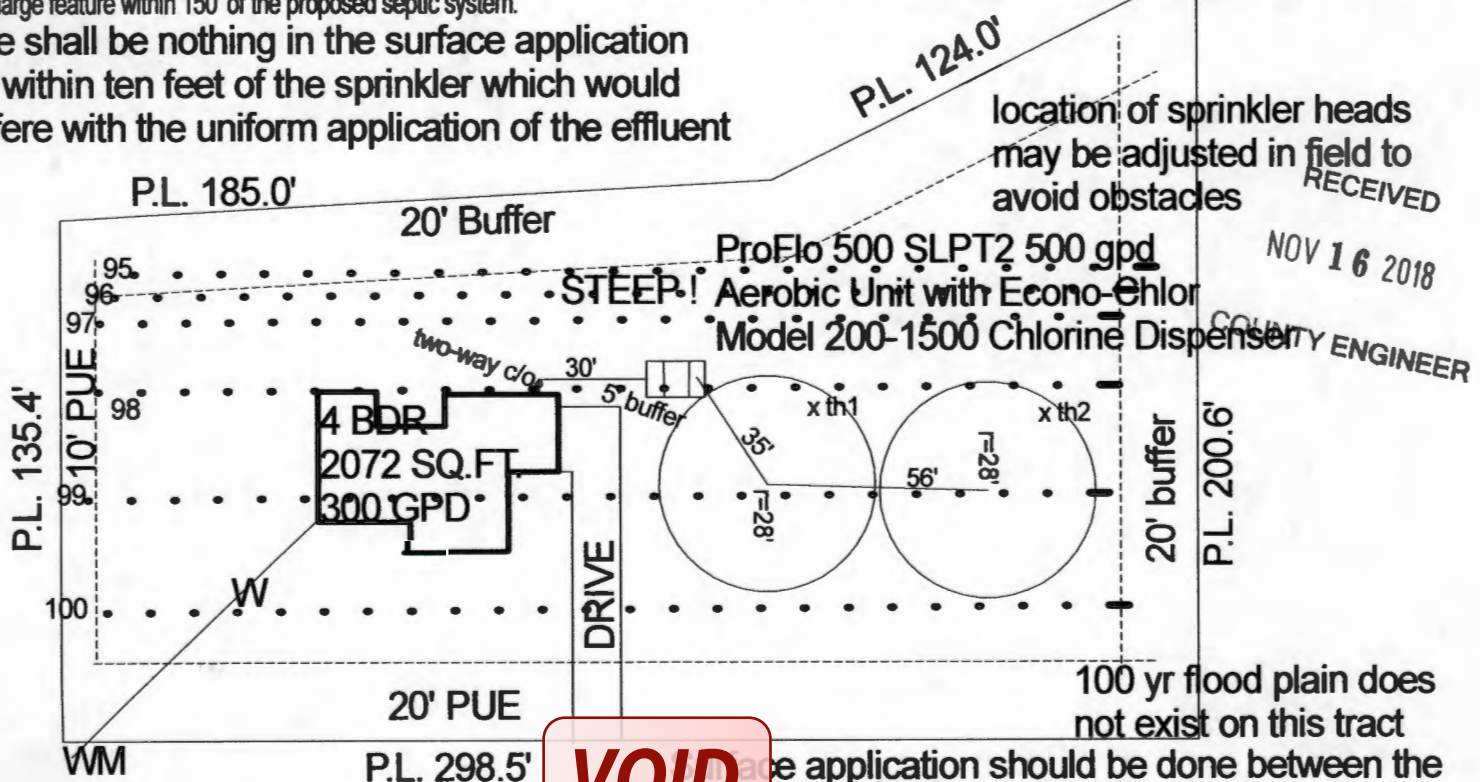
VOID

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.

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

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



VOID

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

123 HIGH POINT CIRCLE

NOV 16 2018

STC/0091030950mw

General Warranty Deed

COUNTY ENGINEER

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: 10-4, 2016

Grantor: KIFFIN POTTS-BROWN and DOUGLAS BROWN

Grantee: KLAUS M. GREULICH, LLC, a Nevada limited liability company and LUCA MAVARO

Grantee's Mailing Address: 7528 Royal Crystal, Las Vegas, NV 89149

Consideration: Cash and other valuable consideration.

Property (including any improvements):

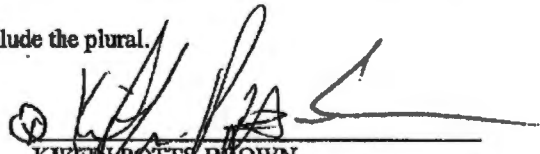
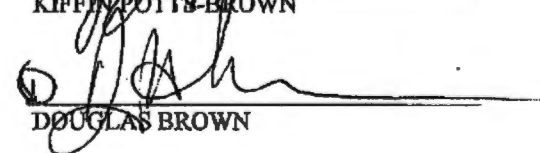
Lots 1112 and 1113, MYSTIC SHORES, UNIT 10, situated in Comal County, Texas, according to the map or plat thereof recorded in Volume 14, Page(s) 353-358, Map and Plat Records of Comal County, Texas;

Reservations from Conveyance: NONE.

Exceptions to Conveyance and Warranty: Any and all restrictions, covenants, conditions, reservations, leases, interests, agreements and easements, shown of record in the hereinabove mentioned County and State and to all zoning laws, regulations and ordinances of municipal and/or governmental authorities, if any, but only to the extent that they are still in effect relating to the hereinabove described property, and further subject to all stand by fees, taxes and assessments by any taxing authority for the current and subsequent years, and subsequent taxes and assessments for prior years due to changes in land usage or ownership and all matters reflected on the hereinabove mentioned plat.

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 whosoever 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.


KIFFIN POTTS-BROWN

DOUGLAS BROWN

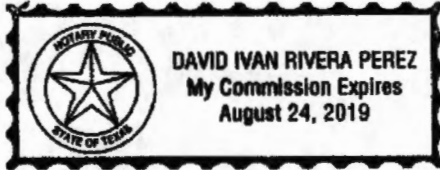
ACKNOWLEDGMENT

STATE OF TEXAS

§
§
§

COUNTY OF *Texas*

This instrument was acknowledged before me on the 4 day of Oct, 2016, by KIFFIN POTTS-BROWN and DOUGLAS BROWN.



Notary Public in and for the State of Texas

AFTER RECORDING RETURN TO:

LUCA MAVARO
KLAUS M. GREULICH, LLC
7528 Royal Crystal
Las Vegas, NV 89149

PREPARED IN THE LAW OFFICES OF:

THE HOUGHAM LAW FIRM
3700 Fredericksburg Road, Ste. 237
San Antonio, Texas 78201
Telephone No. (210) 375-7570

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Filed and Recorded
Official Public Records
Bobbie Koepf, County Clerk
Comal County, Texas
10/17/2016 11:29:56 AM
TERRI 2 Pages(s)
201606039423



Bobbie Koepf

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.

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OSSF Permit

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

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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

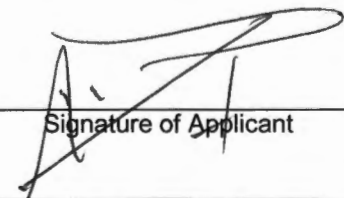
Copy of Recorded Deed

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.



Signature of Applicant

09/13/18

Date

| |
|---|
| <input type="checkbox"/> COMPLETE APPLICATION |
| Check No. _____ Receipt No. _____ |

| |
|---|
| <input type="checkbox"/> INCOMPLETE APPLICATION |
| (Missing Items Circled, Application Refused) |

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

Phone: (210) 875-3625

www.mjseptic.com mjseptic@mjseptic.com

To: **Current Homeowner**
123 High Point Circle
Spring Branch, TX 78070

Printed: 8/23/2019
Site: 123 High Point Circle
Spring Branch, TX 78070

Permit #: **108376**
Agency: Comal County Environmental Health
County: Comal Sub:
Mfg / Brand: Pro Flo Aerobic Systems, LP - Pro Flo Aerobic Systems, LP
Treatment Type: Aerobic
Disposal: Surface Application

Customer ID: 4627
Contract Dates: 4/1/2019 - 4/1/2021
Scheduled Date: 8/1/2019 Inspection 1 of 6

Service Type: Scheduled Inspection

Visit Date: 8/7/2019

Time In: 4:33

Method: Other

Technician: Manuel Guerrero

Maint. Provider: Michael J. Long

This counts as a type of "Scheduled Inspection"
Entered By: Brianna Perez

Copy emailed to the Agency
Agency Emailed: 8/23/2019

Aerators: Operational

Filters: Operational

Irrigation Pumps: Operational

Disinfection Device: Operational

Chlorine Supply: Operational

Chlorine Residual: 0.1mg/L

Sludge Levels

For Tank 1: 0-1

Tank Lid / Riser: Secured

Electric Circuits: Operational

Distribution System: Operational

Sprayfield Veg: Operational

Odor: Good

Alarm: Operational

Comments

Service Completed

- *Septic tank cleaning is recommended between 10"-12" of sludge* - *This inspection report is not valid for any real estate transactions* - Technician Secured the Tank Lid and/or Riser prior to leaving location.

Insp ID #: 27072

Provider: *Michael J. Long*

License #: MP0001294

Expires: 8/31/2019

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

Phone: (210) 875-3625

www.mjseptic.com mjseptic@mjseptic.com

To: **Current Homeowner**
123 High Point Circle
Spring Branch, TX 78070

Printed: 9/20/2019
Site: 123 High Point Circle
Spring Branch, TX 78070

Permit #: **108376**
Agency: Comal County Environmental Health
County: Comal Sub:
Mfg / Brand: Pro Flo Aerobic Systems, LP - Pro Flo Aerobic Systems, LP
Treatment Type: Aerobic
Disposal: Surface Application

Customer ID: 4627
Contract Dates: 4/1/2019 - 4/1/2021
Scheduled Date: 8/1/2019 Inspection 1 of 6

Service Type: Scheduled Inspection

This counts as a type of "Scheduled Inspection"

Visit Date: 8/7/2019

Time In: 4:33

Entered By: Brianna Perez

Method: Other

Technician: Manuel Guerrero

Copy emailed to the Agency
Agency Emailed: 8/23/2019

Maint. Provider: Michael J. Long

Aerators: Operational

Sludge Levels

Filters: Operational

For Tank 1: 0-1

Irrigation Pumps: Operational

Disinfection Device: Operational

Chlorine Supply: Operational

Chlorine Residual: 0.1mg/L

Tank Lid / Riser: Secured

Electric Circuits: Operational

Distribution System: Operational

Sprayfield Veg: Operational

Odor: Good

Alarm: Operational

Comments

Service Completed

- *Septic tank cleaning is recommended between 10"-12" of sludge* - *This inspection report is not valid for any real estate transactions* - Technician Secured the Tank Lid and/or Riser prior to leaving location.

Owner signature: _____

Insp ID #: 27072

Provider: Michael J. Long

License #: MP0001294

Expires: 8/31/2022

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

Phone: (210) 875-3625

www.mjseptic.com mjseptic@mjseptic.com

To: **Sanford French**
123 High Point Circle
Spring Branch, TX 78070

Printed: 12/20/2019
Site: 123 High Point Circle
Spring Branch, TX 78070
(210) 833-8922

Permit #: **108376** Customer ID: 4627
Agency: Comal County Environmental Health Contract Dates: 4/1/2019 - 4/1/2021
County: Comal Sub: Scheduled Date: 12/1/2019 Inspection 2 of 6
Mfg / Brand: Pro Flo Aerobic Systems, LP - Pro Flo Aerobic Systems, LP
Treatment Type: Aerobic
Disposal: Surface Application

Service Type: Scheduled Inspection

Visit Date: 12/16/2019

Time In: 1:40pm

Method: Other

Technician: Manuel Guerrero

Maint. Provider: Michael J. Long

Aerators: Operational

Filters: Operational

Irrigation Pumps: Operational

Disinfection Device: Operational

Chlorine Supply: Operational

Chlorine Residual: 0.1mg/L

Sludge Levels

For Tank 1: 0-1

This counts as a type of "Scheduled Inspection"

Entered By: Adela Shapiro

Copy emailed to Customer

Customer Emailed: 12/17/2019

Copy emailed to the Agency

Agency Emailed: 12/20/2019

Tank Lid / Riser: Secured

Electric Circuits: Operational

Distribution System: Operational

Sprayfield Veg: Operational

Odor: Good

Alarm: Operational

Comments

Service Completed

- Technician Secured the Tank Lid and/or Riser prior to leaving location.
- *Septic tank cleaning is recommended between 10 and 12 inches of sludge in the pump tank (tank 1) or unless otherwise recommended by technician for other reasons such as full trash tank, etc.*
- *This inspection report is not valid for any real estate transactions* - Copy emailed to the customer on 12/17/2019.

Insp ID #:29125

Provider: *Michael J. Long*

License #: MP0001 294

Expires: 8/31/2022

MJ Septic, LLC
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San Antonio, TX 78260

Phone: (210) 875-3625

www.mjseptic.com mjseptic@mjseptic.com

To: **Sanford French**
123 High Point Circle
Spring Branch, TX 78070

Printed: 4/17/2020
Site: 123 High Point Circle
Spring Branch, TX 78070
(210) 833-8922

Permit #: **108376**
Agency: Comal County Environmental Health
County: Comal Sub:
Mfg / Brand: Pro Flo Aerobic Systems, LP - Pro Flo Aerobic Systems, LP
Treatment Type: Aerobic
Disposal: Surface Application

Customer ID: 4627
Contract Dates: 4/1/2019 - 4/1/2021
Scheduled Date: 4/1/2020 Inspection 3 of 6

Service Type: Scheduled Inspection

Visit Date: 4/14/2020

Time In: 2:07p

Method: Other

Technician: Manuel Guerrero

Maint. Provider: Michael J. Long

This counts as a type of "Scheduled Inspection"

Entered By: Dolores Castaneda

- Copy emailed to Customer
Customer Emailed: 4/14/2020
- Copy emailed to the Agency
Agency Emailed: 4/17/2020

Aerators: Operational

Filters: Operational

Irrigation Pumps: Operational

Disinfection Device: Operational

Chlorine Supply: Operational

Chlorine Residual: 0.1mg/L

Sludge Levels

For Tank 1: 0-1

Chlorinator: Op

Tank Lid / Riser: Secured

Electric Circuits: Operational

Distribution System: Operational

Sprayfield Veg: Operational

Problem Indicated

Alarm: Operational

Service Completed

Comments

- Technician Secured the Tank Lid and/or Riser prior to leaving location.
- *Septic tank cleaning is recommended between 10 and 12 inches of sludge in the pump tank (tank 1) or unless otherwise recommended by technician for other reasons such as full trash tank, etc.*
- *This inspection report is not valid for any real estate transactions*
- Technician noted that there was a problem or issue with this Scheduled Inspection.
- Please treat for ants, they will mound inside/around the air compressor and will ruin the electrical and void any warranties. - Copy emailed to the customer on 4/14/2020.

Insp ID #: 31263

Provider: *Michael J. Long*

License #: MP0001294

Expires: 8/31/2022

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San Antonio, TX 78260

Phone: (210) 875-3625

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To: **Sanford French**
123 High Point Circle
Spring Branch, TX 78070

Printed: 8/14/2020
Site: 123 High Point Circle
Spring Branch, TX 78070
(210) 833-8922

Permit #: **108376**

Agency: Comal County Environmental Health

County: Comal

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

Treatment Type: Aerobic

Disposal: Surface Application

Customer ID: 4627

Contract Dates: 4/1/2019 - 4/1/2021

Scheduled Date: 8/1/2020

Inspection 4 of 6

Service Type: Scheduled Inspection

Visit Date: **8/13/2020**

Time In: 12:43 PM

Method: **Other**

Technician: Manuel Guerrero

Maint. Provider: Michael J. Long

This counts as a type of "Scheduled Inspection"

Entered By: Hannah Graham

- Copy emailed to Customer
Customer Emailed: 8/13/2020
- Copy emailed to the Agency
Agency Emailed: 8/14/2020

Aerators: Operational

Filters: Operational

Irrigation Pumps: Operational

Disinfection Device: Operational

Chlorine Supply: Operational

Chlorine Residual: 0.1mg/L

Sludge Levels

For Tank 1: 1

Tank Lid / Riser: Secured

Electric Circuits: Operational

Distribution System: Operational

Sprayfield Veg: Operational

Odor: Good

Alarm: Operational

Comments

- Technician Secured the Tank Lid and/or Riser prior to leaving location.
- *Septic tank cleaning is recommended between 10 and 12 inches of sludge in the pump tank (tank 1) or unless otherwise recommended by technician for other reasons such as full trash tank, etc.*
- *This inspection report is not valid for any real estate transactions* - Copy emailed to the customer on 8/13/2020.

Service Completed

Insp ID #: 33324

Provider: *Michael J. Long*

License Info: MP0001294 Expires: 8/31/2022

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

Phone: (210) 875-3625

www.mjseptic.com mjseptic@mjseptic.com

To: **Sanford French**
123 High Point Circle
Spring Branch, TX 78070

Printed: 12/18/2020
Site: 123 High Point Circle
Spring Branch, TX 78070
(210) 833-8922

Permit #: **108376**

Agency: Comal County Environmental Health

County: Comal

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

Treatment Type: Aerobic

Disposal: Surface Application

Customer ID: 4627

Contract Dates: 4/1/2019 - 4/1/2021

Scheduled Date: 12/1/2020

Inspection 5 of 6

Service Type: Scheduled Inspection

Visit Date: **12/15/2020**

Time In: 1:23pm

Method: **Other**

Technician: Manuel Guerrero

Maint. Provider: Michael J. Long

This counts as a type of "Scheduled Inspection"

Entered By: Ashley Nicole Larcom

Copy emailed to Customer

Customer Emailed: 12/15/2020

Copy emailed to the Agency

Agency Emailed: 12/18/2020

Aerators: Operational

Filters: Operational

Irrigation Pumps: Operational

Disinfection Device: Operational

Chlorine Supply: Operational

Chlorine Residual: 0.1mg/L

Sludge Levels

For Tank 1: 2

Tank Lid / Riser: Secured

Electric Circuits: Operational

Distribution System: Operational

Sprayfield Veg: Operational

Odor: Good

Alarm: Operational

Comments

Service Completed

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

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

- *This inspection report is not valid for any real estate transactions* - Copy emailed to the customer on 12/15/2020.

Insp ID #:35411

Provider: *Michael J. Long*

License Info: MP0001294 Expires: 8/31/2022

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27552 Old Blanco Road
San Antonio, TX 78260

Phone: (210) 875-3625

www.mjseptic.com mjseptic@mjseptic.com

To: **Sanford French**
123 High Point Circle
Spring Branch, TX 78070

Printed: 4/23/2021
Site: 123 High Point Circle
Spring Branch, TX 78070
(210) 833-8922

Permit #: **108376**

Agency: Comal County Environmental Health

County: Comal

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

Treatment Type: Aerobic

Disposal: Surface Application

Customer ID: 4627

Contract Dates: 4/1/2019 - 4/1/2021

Scheduled Date: 4/1/2021

Inspection 6 of 6

Service Type: Scheduled Inspection

Visit Date: 4/15/2021

Time In: 3:03PM

Method: Other

Technician: Manuel Guerrero

Maint. Provider: Michael J. Long

This counts as a type of "Scheduled Inspection"

Entered By: Catherine Jefferson

Copy emailed to Customer

Customer Emailed: 4/20/2021

Copy emailed to the Agency

Agency Emailed: 4/23/2021

Aerators: Operational

Filters: Operational

Irrigation Pumps: Operational

Disinfection Device: Operational

Chlorine Supply: Operational

Chlorine Residual: 0.1mg/L

Sludge Levels

For Tank 1: 3"

Chlorinator: Op

Tank Lid / Riser: Secured

Electric Circuits: Operational

Distribution System: Operational

Sprayfield Veg: Operational

Alarm: Operational

Problem Indicated

Service Completed

Comments

- Technician noted that there was a problem or issue with this Scheduled Inspection.

- ***This was your FINAL inspection for your current contract, please call (210) 875-3625 to renew your contract, to stay in compliance***

- Tech reset your timer. - Technician Secured the Tank Lid and/or Riser prior to leaving location. - *Septic tank cleaning is recommended between 10 and 12 inches of sludge in the pump tank (tank 1) or unless otherwise recommended by technician for other reasons such as full trash tank, etc.* - *This inspection report is not valid for any real estate transactions* - Copy emailed to the customer on 4/20/2021.

Insp ID #:37500

Provider: *Michael J. Long*