



INFORMATION ABOUT ON-SITE SEWER FACILITY

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24830 Millers Lane
Katy, TX 77493

CONCERNING THE PROPERTY AT

A. DESCRIPTION OF ON-SITE SEWER FACILITY ON PROPERTY:

- (1) Type of Treatment System: Septic Tank Aerobic Treatment Unknown
- (2) Type of Distribution System: Irrigation Unknown
- (3) Approximate Location of Drain Field or Distribution System: Behind groomed back yard Unknown
Sprayers are marked by stakes
- (4) Installer: Bonds Septic Services Unknown
- (5) Approximate Age: 10 years Unknown

B. MAINTENANCE INFORMATION:

- (1) Is Seller aware of any maintenance contract in effect for the on-site sewer facility? Yes No
If yes, name of maintenance contractor: Aqua Star
Phone: 936.931.2443 contract expiration date: 8/16/22
Maintenance contracts must be in effect to operate aerobic treatment and certain non-standard on-site sewer facilities.)
- (2) Approximate date any tanks were last pumped? 9/7/21
- (3) Is Seller aware of any defect or malfunction in the on-site sewer facility? Yes No
If yes, explain: _____
- (4) Does Seller have manufacturer or warranty information available for review? Yes No

C. PLANNING MATERIALS, PERMITS, AND CONTRACTS:

- (1) The following items concerning the on-site sewer facility are attached:
 planning materials permit for original installation final inspection when OSSF was installed
 maintenance contract manufacturer information warranty information _____
- (2) "Planning materials" are the supporting materials that describe the on-site sewer facility that are submitted to the permitting authority in order to obtain a permit to install the on-site sewer facility.
- (3) It may be necessary for a buyer to have the permit to operate an on-site sewer facility transferred to the buyer.

Information about On-Site Sewer Facility concerning _____

D. INFORMATION FROM GOVERNMENTAL AGENCIES: Pamphlets describing on-site sewer facilities are available from the Texas Agricultural Extension Service. Information in the following table was obtained from Texas Commission on Environmental Quality (TCEQ) on 10/24/2002. The table estimates daily wastewater usage rates. Actual water usage data or other methods for calculating may be used if accurate and acceptable to TCEQ.

<u>Facility</u>	<u>Usage (gal/day) without water-saving devices</u>	<u>Usage (gal/day) with water-saving devices</u>
Single family dwelling (1-2 bedrooms; less than 1,500 sf)	225	180
Single family dwelling (3 bedrooms; less than 2,500 sf)	300	240
Single family dwelling (4 bedrooms; less than 3,500 sf)	375	300
Single family dwelling (5 bedrooms; less than 4,500 sf)	450	360
Single family dwelling (6 bedrooms; less than 5,500 sf)	525	420
Mobile home, condo, or townhouse (1-2 bedroom)	225	180
Mobile home, condo, or townhouse (each add'l bedroom)	75	60

This document is not a substitute for any inspections or warranties. This document was completed to the best of Seller's knowledge and belief on the date signed. Seller and real estate agents are not experts about on-site sewer facilities. Buyer is encouraged to have the on-site sewer facility inspected by an inspector of Buyer's choice.

Nancy Gallmore 9/25/21
Signature of Seller Date
Nancy Gallmore

Signature of Seller Date

Receipt acknowledged by:

Signature of Buyer Date

Signature of Buyer Date

HARRIS COUNTY PUBLIC INFRASTRUCTURE DEPARTMENT ARCHITECTURE & ENGINEERING DIVISION - PERMIT GROUP

REVISED RULES OF HARRIS COUNTY, TEXAS FOR ON-SITE SEWERAGE FACILITIES

ON-SITE SEWERAGE FACILITY PERMIT

STATE OF TEXAS
COUNTY OF HARRIS

DATE: 03/17/10
PERMIT NUMBER: 2-0020953-8

On the day herein stated the undersigned authority did issue to the hereinafter mentioned Permittee this Permit to install and operate an on-site private sewerage facility on the hereinafter mentioned premises in accordance with the application, drawings and specifications submitted in support hereof with the Revised Rules of Harris County, Texas, for On-Site Sewerage Facilities, and with the Laws of the State of Texas. This Permit shall not be transferable without the prior written consent of the undersigned authority. Authority for issuance of this Permit is derived from Chapter 366 of the Texas Health and Safety Code.

Harris County has not examined title to the site designated in this Permit nor has Harris County determined whether the construction described in this Permit is in violation of or contrary to any covenants or restrictions or covenants applicable to the said site. The determination that the facility to be constructed is not in violation of any deed restrictions or applicable covenants shall be the responsibility of the Permittee.

This said Permit to operate an on-site sewerage facility shall become null and void if the construction of the said facility is not started, completed and inspected within one (1) year from the date shown hereon.

PERMITTEE: LARRY & NANCY GALLMORE
PREMISES: LOT 25 IN BLOCK 1 OF SECTION 00
SUBDIVISION - HIDDEN HILLS REST ESTATES
ADDRESS: 24910 MILLERS LN
SPRAY IRRIGATION TYPE: # ON-SITE SEWERAGE SYSTEM
MAXIMUM PERMITTED FLOW: 300 GALLONS PER DAY

Approval of the on-site sewerage facility for operation shall only indicate that the facility meets the minimum requirements for issuance of this Permit. County and State Standards do not guarantee that the on-site sewerage system will always perform satisfactorily. It is the responsibility of the owner to maintain and operate the facility in a satisfactory manner. NO REFUND OF PERMIT FEES IS ALLOWED FOR EXPIRED, VOID OR CANCELED PERMITS, OR FOR ANY INSPECTIONS THAT MAY HAVE BEEN CONDUCTED.

REPORT ALL VIOLATIONS TO COUNTY ENGINEER, AT (713) 956-3000.

<http://hccpid.org/permits/>

IN WITNESS WHEREOF, I hereunto set my hand at Houston, Harris County, Texas, this 17 day of MARCH, 2010.

NOTICE

INSPECTIONS MUST BE MADE PRIOR TO COVER-UP
AND PRIOR TO PLACING THE FACILITY INTO OPERATION
FOR INSPECTIONS CALL 956-3035

ADDENDUM ATTACHED

Permit Manager

PERMITTEE COPY

HFF PRODUCTIONS

27441 Wigwam Trail
 Hockley, TX. 77447
 936-931-9556

SOIL EVALUATION

PROFILE DEPTH	TEXTURE (USDA)	GRAVEL ANALYSIS (CLASS II & III)	RESTRICTIVE HORIZON	GROUND WATER	COLOR	COMMENTS
0-18"	SANDY LOAM	0	NO	NO	BROWN	
18-28"	CLAY LOAM	0	NO	13"	BROWN	
28"	CLAY	0	YES		BROWN	

PROFILE DEPTH	TEXTURE (USDA)	GRAVEL ANALYSIS (CLASS II & III)	RESTRICTIVE HORIZON	GROUND WATER	COLOR	COMMENTS
0-16"	SANDY LOAM	0	NO	NO	BROWN	
16-26"	CLAY LOAM	0	NO	13"	BROWN	
26"	CLAY	0	YES		BROWN	

- Normal textures (USDA): Coarse sand/gravel/sand/loamy sand/sandy loam/loam/ sandy clay loam/sandy clay/clay loam/silty clay loam/silty loam/silt or clay/silty clay
- Normal structures: Massive, Block, Platy

Subsurface horizons with colors of red, yellow, and brown generally indicate good soil aeration and drainage throughout the year. Subsurface horizons that are in colors of gray, olive or blackish colors indicate poor aeration and poor soil drainage. Any soil profile that has the grayish colors indicative of high-water (or mottling) within thirty-six (36) inches of the surface or has ground water visible in the test bore less than forty-eight (48) inches below the ground surface shall be deemed unsuitable for a conventional subsurface disposal due to internal drainage.

X	SOIL TEXTURE	SOIL CLASS	LONG TERM LOADING RATE
	COARSE SAND/GRAVEL	Ia	>.50
	SAND/LOAM SAND	Ib	0.38
	SANDY LOAM/LOAM	II	0.25
	SANDY CLAY/ SANDY CLAY LOAM/CLAY LOAM/SILTY CLAY LOAM/SILT	III	0.20
X	CLAY/SILTY CLAY	IV	0.10

SOIL ANALYSIS	YES	NO
IS THE SOIL SUITABLE FOR A STANDARD SYSTEM		X
INDICATION OF SEASONABLE WATER TABLE DEPTH	X	
	13"	

I, MICHELLE L. HANSEN, a Registered Sanitarian did personally conduct this site evaluation on

24830 MILLERS LN

I certify these results are true and correct for the property evaluated.



Registered Sanitarian #3769

[Signature]
 Michelle L. Hansen
 DATE: 3-1-10



Site Evaluator #058894

HFF PRODUCTIONS

27441 Wigwam Trail
 Hockley, TX. 77447
 936-931-9556

ENGINEERING REPORT FOR ON-SITE WASTEWATER DISPOSAL SYSTEM CONDITIONS FOR A CLASS I SEWER PLANT WITH SPRINKLER SYSTEM

- ✓ Class I sewer plant will have a chlorinator pump tank to distribute water to sprinkler field.
- ✓ Aerobic tank will treat 500 gal/day of septic.
- ✓ Sprinklers installed will be the pop-up type.
- ✓ Sprinklers will be on a timer.
- ✓ Water will be sprinkled in the early morning hours during the time of least traffic (between midnight and 5am.)
- ✓ Maximum inlet pressure for sprinklers shall be 40 psi.
- ✓ Low angle nozzles of 15 degrees or less shall be used.

DESIGN SPECIFICATION SUMMARY

HOME/BUSINESS OWNER	GALLMORE RESIDENCE	STREET ADDRESS	24830 MILLERS LN
STRUCTURE	NEW HOME	FACILITY TYPE	RESIDENTIAL
SOIL TYPE - CLASS	IV-CLAY	LOW FLOW FIXTURES	YES
LIVING AREA	3422	TOTAL SQ FT	5153
BEDROOMS (ACTUAL)	3	BEDROOMS (DESIGN)	4

ABSORPTION AREA

GPD	300	AREA/SPRINKLER HEAD	2827
LOADING FACTOR, GPD/SQ FT	.041	HEADS TO INSTALL	3
ABSORPTION AREA REQUIRED, SQ FT	7317	SPRINKLERS X AREA	8481
SPRAY HEAD RADIUS, FEET	30	PUMPING TIME, MINUTES	15

TANK SIZING

TANK	SIZE (GAL) REQ	SIZE (GAL) TO BE INSTALLED	MODEL NAME & NUMBER
SEPTIC TRAP TANK	500	500	
CLASS I AEROBIC PLANT	500	500	500N OR EQUAL
PUMP TANK	750	750	

PUMP TANK REQUIREMENTS

Pressure Drops in System
 Elevation Head loss in system feet 4
 Friction Head loss in system feet 1.2
 Spray head Pressure, psi 25
 Spray head pressure, feet 58
 Total system head loss, feet 66

PUMP SELECTION

Volume, GPM 20 gal
 NPDH, Feet 66
 Pressure, psi 29

Supply+Manifold 1.00" Sch 40 240

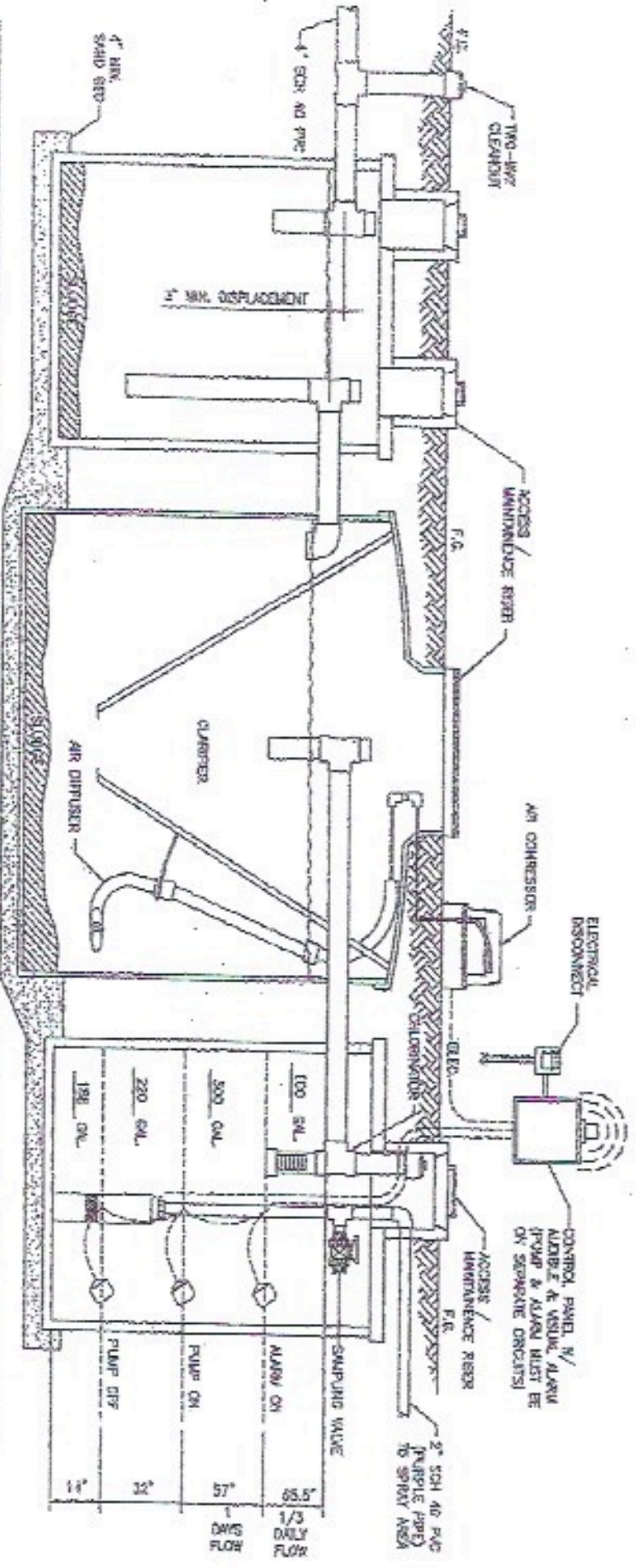


Registered Sanitarian #3769

Michelle L. Hansen
 DATE: 3-1-10



Site Evaluator #OS8894



500 GAL PRETREATMENT TANK		500 GAL AEROBIC TREATMENT UNIT		750 GAL PUMP TANK	
CAPACITY (GALLONS)	500	GALLON/DAY	500 GAL	GALLONS	750 GAL
NAME	CLEARSTREAM	MODEL	500N	MINIMUM STORAGE CAPACITY	704 GAL
				MAXIMUM STORAGE CAPACITY	788 GAL
				TANK DIMENSIONS	65.5 X 59.5
				GPI	12.03

300 GPD



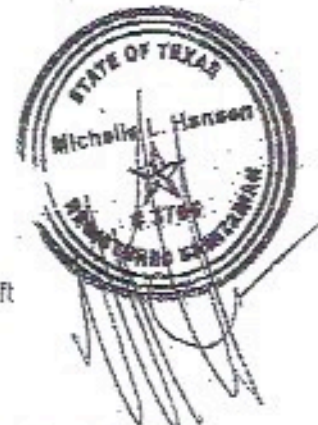
HPF PRODUCTIONS
 2741 WINDMILL TRAIL
 HOUSTON, TX 77047
 281-984-9998

NSF46 Listed Disinfection Device Required!

Buoyancy Calculations

Tk Capacity 750 gallons/day
 Tk OD: 71 inches
 Riser OD: 20 inches
 TK ID: 66 inches
 Tk O.S. Ht: 64 inches
 Riser Ht: 6 inches
 Bottom Ht: 3 inches
 Lid Ht: 3 inches
 Water Ht: 15 inches
 Soil Ht: 6 inches

Tank Size: 64" Height
 71" Outside Diameter
 66" Inside Diameter



Total Displaced Volume:

	PI x	x 0.25 x	OD x OD x Ht	/ 1728 =	TotalCuFt	x Wt/cu ft
Tank:	3.14	0.25	5041	64	1728	146.56241
Riser:	3.14	0.25	400	6	1728	1.0902778
Lid	3.14	0.25	5041	3	1728	6.8701128

Total Buoyancy: 154.5228 62.4 9642.2226 Lbs

Total Concrete Volume:

	PI x	x 0.25 x	OD ² -ID ² X Ht wall	/ 1728 =	Total Cu Ft	x Wt/cu ft
Tank wall:	3.14	0.25	685	61	1728	18.98219
Lid:	3.14	0.25	4641	3	1728	6.324974

	PI x	X 0.25 X	OD x OD x Ht	/ 1728 =	Total Cu Ft	x Wt/ cu ft
Bottom	3.14	0.25	5041	3	1728	6.8701128

Total Concrete Weight: 32.177277 145 4665.7052 Lbs

Add Water Weight:

	PI x	X 0.25 x	ID x ID X Water ht	/ 1728 =	Total Cu Ft	
Water in tk:	3.14	0.25	4356	15	1728	29.682813

Total Water Weight: 29.682813 62.4 1852.2075 Lbs

Add Soil Weight:

	PI x	X 0.25 x	OD ² -ID ² X Soil Ht	/ 1728 =	Total Cu Ft	
720Pet Soil	3.14	0.25	4641	6	1728	12.649948

Total 720 Pet Soil Weight: 12.649948 120 1517.9938 Lbs

Total Downward Force: 8035.9064 Lbs

Net of Total Buoyancy - Total Downward Force: 1506.3162 Lbs
 (if negative value, tank may sink over time)
 (if positive value, need added weight to prevent float)

Attach an outer ring around the tank. 86.134911 in. O.D. x 18 in. deep x 71 in I.D.

Volume of concrete required for ring: 0.7202565 Cu Yards

Aqua Star, LLC.
25980 BRUSHY CREEK DRIVE
HOCKLEY, TX 77447

Phone: (936) 931-2443
Fax: (936) 931-5007
aquastarllc@yahoo.com

Date: 7/1/2020

To: NANCY OR LARRY GALLMORE
24830 MILLERS LANE
KATY, TX 77449

Permit: 2-20953-8

Warranty Ends: 8/16/2012

Contract Period

Start Date: 8/16/2020
End Date: 8/16/2022

Aqua Star, LLC.
4 visits per year - one every 3 months
240 gallons per day
Map Key: ID: 4000

Phone: (281) 347-1185 Subdivision: HIDDEN FOREST EST
Site: 24830 MILLERS LANE, KATY, TX 77449
County: HARRIS
Installer: BONDS SEPTIC SERVICES Installed: 8/16/2010
Agency: HARRIS COUNTY
Mfg/Brand: CLEARSTREAM / CLEARSTREAM

In consideration of prepayment of the Service contract cost indicated below, Aqua Star, LLC, agrees to the following:

Aqua Star, LLC shall test and report on this system as required by rule on the following:

1. An inspection, which includes inspections, adjustment and servicing of the mechanical and electrical component parts as necessary to ensure proper function.
2. An effluent quality inspection consisting of a visual check for color, turbidity, scum overflow and an examination for odors.
3. If, required, a sample shall be pulled from the aeration tank to determine if there is an excess of solids in the treatment plant. If the test results determine a need for solids removal, the user will bear the cost and responsibility for doing so.
4. If any improper operation is observed which cannot be corrected at the time, the user shall be notified immediately of the conditions.
5. If required, a chlorine residual test will be taken at each visit. (BOD and TSS on commercial only). If a grab test is required, the owner will be responsible for the cost of grab test.

If the system is malfunctioning, the system will be inspected and reported. If repairs are approved by Home Owner, a follow up inspection is required to show repairs and non-malfunction to be reported to homeowner and County/Agency.

Inspection reports by the above service company will be filed with the authorized agency as required by the TCEQ regulations. A weather proof tag or label will be attached to the controller showing the month that each inspection was made.

THE OWNER IS RESPONSIBLE FOR KEEPING CHLORINE IN SYSTEM. ...DO NOT USE SWIMMING POOL TABLETS... THESE WILL SEVERELY DAMAGE THE SYSTEM.

VIOLATIONS OF WARRANTY including shutting off the electric current to the system for more than 24 hours, disconnecting the alarm system, restricting ventilation of the aerator, overloading the system above the rated capacity, or introducing excessive amounts of harmful matter into the system, or any other form of unusual abuse.

Items included on the Inspection Report generally include aerators, titers, irrigation pump, air compressor, disinfection device, chlorine supply, OK System light, spray field vegetation, probe, sprinkler or drip backwash.

We will visit your site within 48 hours of you notifying us of a problem.

AQUA STAR LLC is certified by the manufacturer of your system.

This agreement does not include the cost of repairs.
This agreement does not include the cost of chlorine.

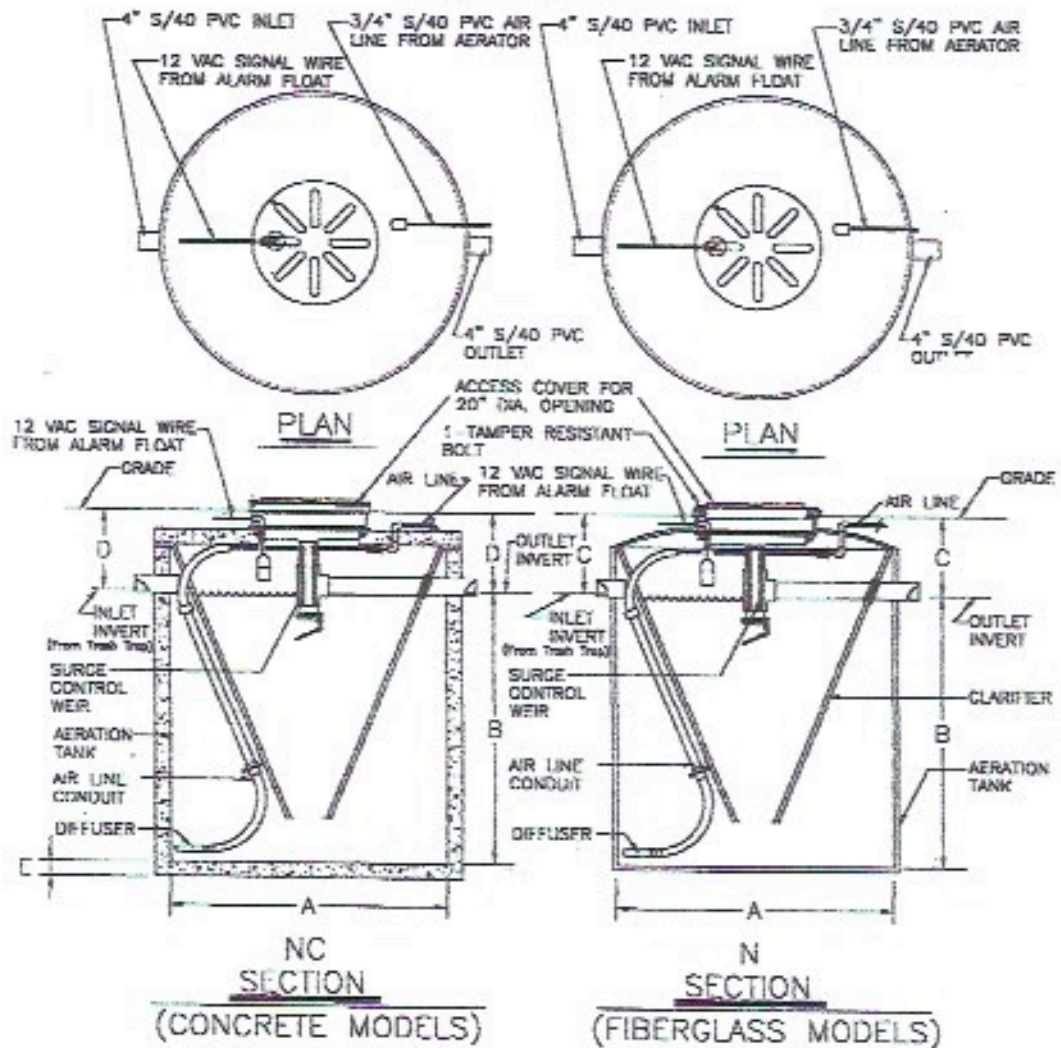
Home Owner: Larry Gallmore Date: 7/15/2020
Phone: 281 347 1185

Certified Inspector: Ashley Bonds Date: 7/20/20
ASHLEY BONDS/AQUA STAR LLC
Maintenance Provider # 0002259

Ashley Bonds
Maintenance Provider

Clearstream Wastewater Treatment Design

DESIGN DRAWINGS



MODEL	A	B	C	D	E
500N/NC	5'-3"	5'-3"	1'-7 $\frac{1}{2}$ "	1'-4 $\frac{1}{2}$ "	3"
600N/NC	6'-4"	4'-7"	1'-5 $\frac{1}{2}$ "	1'-5 $\frac{1}{2}$ "	3"
750N/NC	6'-4"	5'-5"	1'-7 $\frac{1}{2}$ "	1'-5 $\frac{1}{2}$ "	3"
1000N/NC	6'-4"	7'-3"	1'-5 $\frac{1}{2}$ "	1'-5 $\frac{1}{2}$ "	3"
1500N/NC	8'-0"	6'-10"	2'-0"	1'-7 $\frac{1}{2}$ "	4"

U.S. Patent Numbers
 5,221,470
 5,770,081
 5,785,854

Bonds Septic Services

Family owned and Operated Since 1976!

PUMP

SERIES P20 4" SUBMERSIBLE PUMP Two Wire, 1/2 HP, 115 VOLT, 60 HZ INSTALLATION* OPERATION

LIMITED WARRANTY

Clearstream warrants to the original consumer of the products listed below, that they will be free from defects in material and workmanship for the Warranty Period from the date of installation as noted.

Product	Warranty Period
4" Submersible Pump	2 Years

Our warranty will not apply to any products that have been subject to negligence, misapplication, improper installation or maintenance.

Buyer's only remedy and Clearstream's only duty is to repair or replace defective products (at Clearstream's choice). Buyer agrees to pay all labor and shipping charges associated with this warranty and to request warranty service through the installing dealer as soon as a problem is discovered. If warranty service is requested after the Warranty Period has ended, it will not be honored.

CLEARSTREAM SHALL NOT BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL OR CONTINGENT DAMAGES WHATSOEVER.

THE FOREGOING WARRANTIES ARE EXCLUSIVE AND IN LIEU OF ALL OTHER EXPRESS WARRANTIES IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, SHALL NOT EXTEND BEYOND THE WARRANTY PERIOD PROVIDED HEREIN.

Certain states do not permit the exclusion or limitation of incidental or consequential damages or the placing of limitations on the duration of an implied warranty, therefore, the limitations or exclusions herein, may not apply. This warranty sets forth specific legal rights and obligations; however, additional rights may exist, which may vary from state to state.

Supersedes all previous publications.

Clearstream, P.O. Box 9337, Beaumont, TX 77709

Bonds Septic Services

936-931-2443