



Ross Design Service
P.O. Box 1167, Pinehurst, TX 77362 281-384-3976

ON-SITE WASTEWATER SYSTEM CHECK LIST

The following information must be included with all design packages for review by the Texas Commission on Environmental Quality and/or the permitting Authority. Failure to include or address all of the following items may result in approval delays.

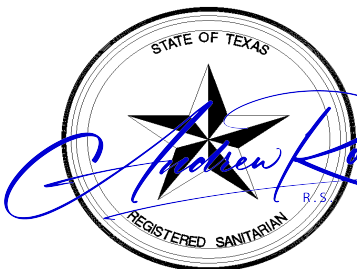
- Plans and reports must bear a signature address, telephone number and a dated seal on each page.
- A report must be included in the submittal containing the following information:
 - *Basis of design*
 - *Soil analysis and site evaluation*
 - *System flow diagram and sizing calculations*
 - *Material specifications and illustrations*
 - *Size and model number of approved aerobic system (if used)*
- Construction drawings must include the following information:
 - *A scaled, legible site plan with boundary description*
 - *The location of all buildings & structures (existing or proposed)*
 - *The location of the wastewater treatment units and disposal area*
 - *Buffer zones and water wells must be identified and located on the site plan.*
 - *The site plan must also include topographical contours for slopes greater than 30 percent.*
 - *Easements and bodies of water (lakes, streams, ponds) must also be identified.*
 - *Installation details such as septic tank configuration, layouts, and cross-sections of drain fields and disposal beds, irrigation systems, pump station including piping and controls.*
 - *Affidavit to the Public for surface application systems recorded by the county.*
 - *Records of testing and frequency for surface applications.*

HOME/BUSINESS OWNER	LISA SEBREE	COUNTY	MONTGOMERY
STREET ADDRESS	13501 FULTZ RD	ZIP CODE	77304
CITY	CONROE	ACREAGE/LOT SIZE	
SURVEY		ABSTRACT	
SUBDIVISION	MAGNOLIA LAKE	SECTION	
BLOCK		LOT	24-B

DATE ON SITE	7/24/2025	WATER SUPPLY	WELL
RESIDENTIAL	X	COMMERCIAL	
BEDROOM HOME	1	TYPE OF FACILITY	
LIVING AREA	1,200	SQUARE FEET	
PERMANENT RESIDENTS	2	EMPLOYEES	

SYSTEM TYPE DRIP EMITTER
SYSTEM PERMITTED FOR: 225

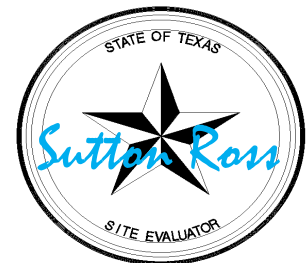
GPD



ANDREW ROSS RS# 4283
JENNIFER ROSS RS# 4564

This septic system was designed based on the above data and any discrepancies should be discussed with Ross Design Service prior to installation of the system. **Any change to the design may require a redraw fee.** Ross Design Service, nor its employees, will be held liable for any system malfunctions.

ROSS DESIGN SERVICE, LLC
DATE: 9/26/2025



ANDREW ROSS SE# OS0027998
JENNIFER ROSS SE# OS0029229
SUTTON ROSS SE# OS0038565



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SOIL EVALUATION

PROFILE DEPTH	TEXTURE (USDA)	GRAVEL ANALYSIS (CLASS II & III)	RESTRICTIVE HORIZON	GROUND WATER	COLOR	COMMENTS
0-48"+	CLAY	NO	YES	NO	RED	

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0-48"+	CLAY	NO	YES	NO	RED	

- 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	0.2
X	CLAY/SILTY CLAY	IV	0.1

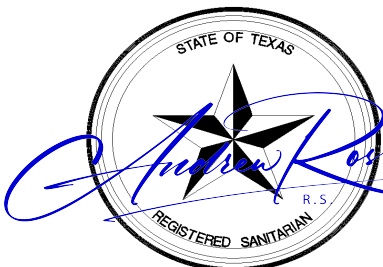
SOIL ANALYSIS	YES	NO
IS THE SOIL SUITABLE FOR A STANDARD SYSTEM		X
INDICATION OF SEASONABLE WATER TABLE		X
DEPTH		

A TCEQ-licensed Site Evaluator did personally conduct
this site evaluation at:

13501 FULTZ RD

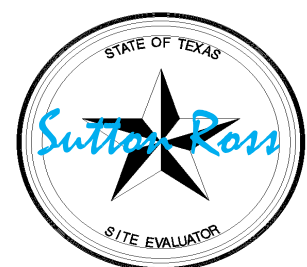
Ross Design Service certifies these results are true
and correct for the property evaluated on:

7/24/2025



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SITE EVALUATION

FLOOD HAZARD

OUTSIDE 100 YEAR FLOOD PLAIN	X
PARTIALLY IN THE 100 YEAR FLOOD PLAIN	
IN 100 YEAR FLOOD PLAIN	
IN 100-YEAR FLOOD PLAIN AND FLOOD WAY	
FIRM PANEL #	

TOPOGRAPHY

SLOPE	
FLAT >2%	
SLIGHT<6%	X
SEVERE>30%	
VEGETATION	
GRASS/BRUSH	
LIGHTLY WOODED	X
HEAVILY WOODED	
DRAINAGE	
POOR	
ADEQUATE	X
GOOD	

WATER SUPPLY

COMMUNITY		COMPANY	
WATER WELL	X	DRILLER	TBD
DISTANCE FROM DISPOSAL AREA			50+
PRESSURE-CEMENTED			YES

ALL WELL-REQUIRED DISTANCES MUST BE MAINTAINED
IF NEIGHBORING WELLS EXIST THEY MUST BE SHOWN

OTHER SETBACKS

	YES	NO
Neighboring Wells Within 100 feet of Property Line		X
Streams, Ponds, or Lakes within 75 feet of Property Line	X	
Sharp Slopes, Breaks or Dry Ditches		X

LANDSCAPE PLAN

For LISA SEBREE
at 13501 FULTZ RD, CONROE, TX 77304

Property Owner will maintain existing vegetation and/or seed or sod any bare areas irrigated by the aerobic system at all times. Do not plant any shade trees in this area. Settling of the backfill will occur over time. Owner should continually check for this & fill in any low places to prevent rainfall from pooling on the surface of the drain field. The application area shall be seeded or sod with St. Augustine or Coastal Bermuda grass. Areas subject to dying or dormant vegetation during winter months must be overseeded with Winter Rye or other cold tolerant vegetation. The grass should be kept mowed to allow as much sunlight as possible to reach the ground surface.
This aids in the evapo-transpiration of water/wastewater & prevent soil erosion.



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ENGINEERING REPORT FOR ON-SITE WASTEWATER DISPOSAL SYSTEM

DESIGN SPECIFICATION SUMMARY

HOME/BUSINESS OWNER	LISA SEBREE	ADDRESS	13501 FULTZ RD
STRUCTURE	HOME	FACILITY TYPE	RESIDENTIAL
SOIL TYPE - CLASS	IV - CLAY	LOW FLOW FIXTURES	YES
LIVING AREA	1,200	TOTAL SQ FT	1,200
BEDROOMS (ACTUAL)	1	BEDROOMS (DESIGN)	1

DRIP AREA

GPD	225	LOADING FACTOR, GPD/SQ FT	0.10
ABSORPTION AREA REQUIRED, SQ FT	2,250	ABSORPTION AREA SHOWN, SQ FT	2,400
LINEAR FEET OF LINE REQUIRED	1,125	ABSORPTION AREA SHOWN, L FT	1,200
EMITTERS, EVERY 2 FT (4 SQ FT)	562.5	EMITTERS SHOWN	600

DOSING DETAILS

GPM (GPH/MINUTES IN HOUR) (0.62/60min)		0.0103
TOTAL GPM (GPM * EMITTERS SHOWN)		6.20
MINUTES OPERATING TIME PER DAY (GPD/GPM)		36.29
OPERATING TIME / DOSES PER DAY	5	8
DOSE TIMES DOSES PER DAY		40
DOSES PER DAY TIMES GALLONS PER MINUTE		248

MIN DOSING TIME

TANK SIZING

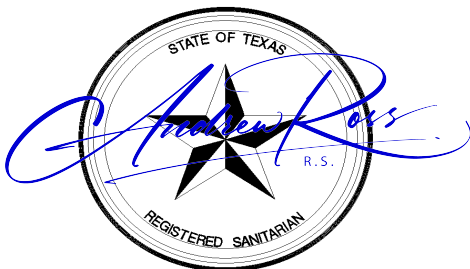
TANK	SIZE (GAL) REQ	SIZE (GAL) TO BE INSTALLED	MODEL NAME & NUMBER
SEPTIC TRAP TANK	500	500	
CLASS I AEROBIC PLANT	500	500	PROFLO500 OR EQUAL
PUMP TANK	750	750	

PUMP TANK REQUIREMENTS

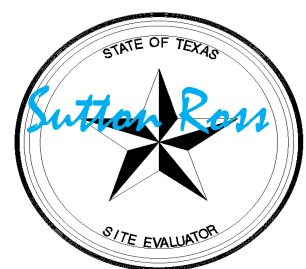
Elevation Head loss in system feet 4
Supply+Manifold 1.25" Sch 40

PUMP SELECTION

Volume, GPM 20 gal



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