

OSSF DESIGN REPORT

OSSF FOR: Mike Fabian & Becky Steele
594 W. Cattle Dr.
Onalaska, Texas

This is a three-bedroom, 2 story wood frame house, 2200 sf., located at 594 W. Cattle Dr., Onalaska, Polk County.

DESIGN CRITERIA

Water Source:	Public
Type/Sq. Ft of Dwellings:	Wood Frame – 2200 SF
Estimated Flow:	240 gpd
Type of System Required:	Drip System
Land Disposal Application Rate:	.1
Area Required:	2400 sq. ft. / 1200 LF
Area Supplied:	Drip Bed: 64' X 38' = 2432 sf/ 1216 lf
<u>Soil Information:</u>	Class IV, Clay

Effluent from the home will gravity flow into the trash tank, into an Aerobic Treatment Plant and into the pump tank. Treated effluent will be pumped to the drip field.

Trash Tank: 500 gal. min.

Manufacturer/Model No: 500 gpd min., TCEQ approved
Aerobic Treatment Plant

Pump Tank: 500 gal. min.

Pump: Approved ½ HP min.
Approved filter backwash on micron
approved filter – vacuum breaker approved
GEO-flow headworks or equal

Zoning: 2 - K-Rain Valves

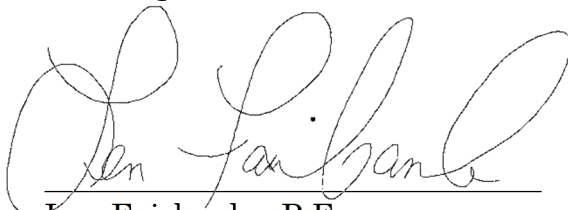
Alarms: Audible/visible high-water alarm, on a
separate circuit from pump

Final Disposal: Drip line approved Root Guard – 2 Ft
spacing

Installer: Licensed by TCEQ (Installer II)

This system must be installed and maintained in accordance with all standards set by the Texas Commission on Environmental Quality and TRA. This designer does not represent or warrant the material, installation, operation, or proper performance of this system for any period. Every attempt has been made to accurately depict the location of lines, plants, tanks, sprinklers, etc. Construction realities may necessitate minor design changes. Any major changes will be submitted before construction. This report and attached drawings are based on an on-site inspection of the property.

All construction methods must be in accordance with all State and Local Codes effecting the installation of On-Site Sewage Facilities

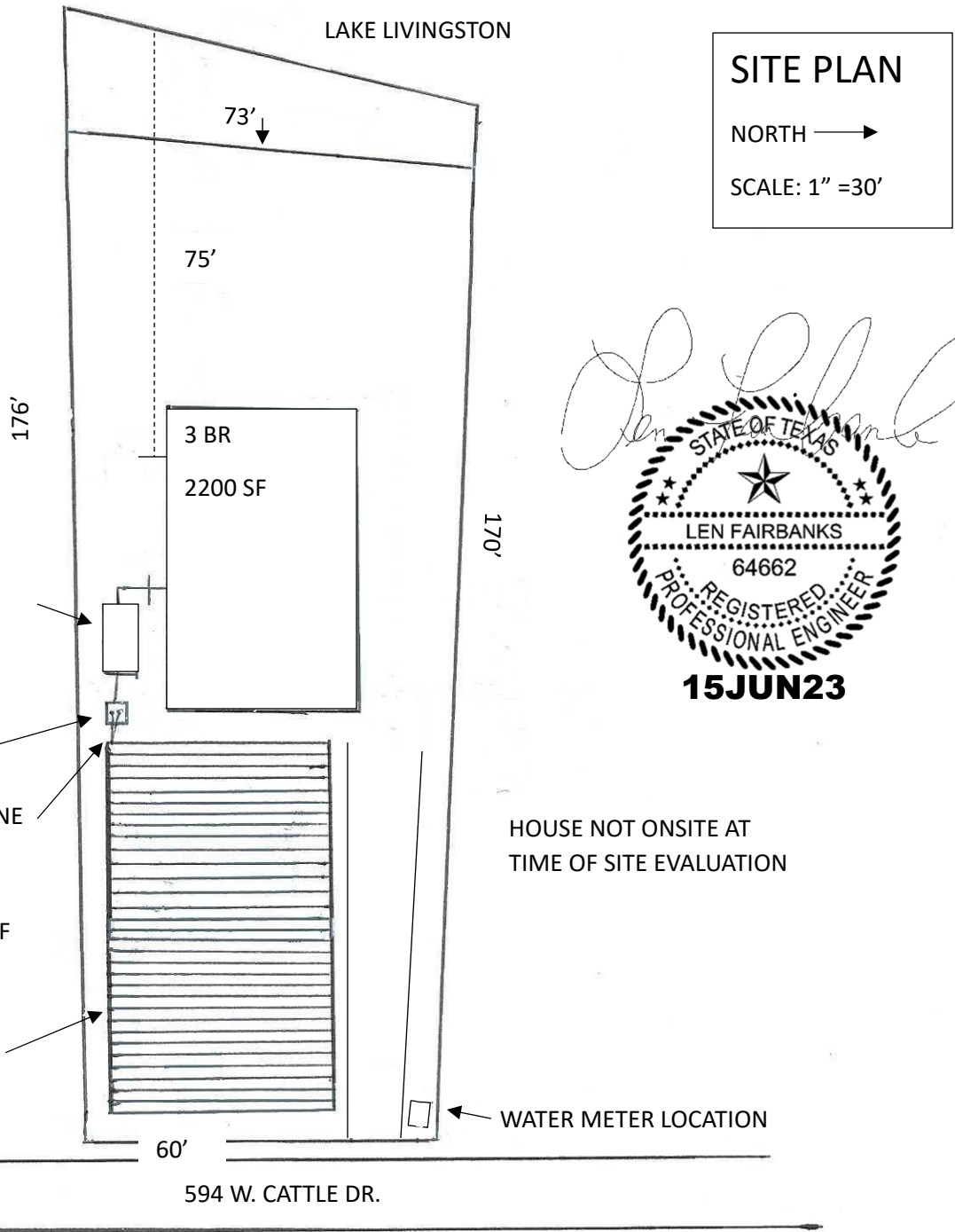


Len Fairbanks, P.E.



Fairbanks & Associates

CIVIL - STRUCTURAL ENGINEERS
Texas Registered Engineering Firm F-1 1908
677 Greer Rd Livingston, TX 77351
936-329-2731



SITE PLAN
NORTH →
SCALE: 1" = 30'

Len Fairbanks
STATE OF TEXAS
LEN FAIRBANKS
64662
REGISTERED
PROFESSIONAL ENGINEER
15 JUN 23

HOUSE NOT ONSITE AT
TIME OF SITE EVALUATION

DRIP BED:
64' X 38' = 2432 SF/ 1216 LF
2- ZONES

5' SETBACK FROM
PROPERTY LINE

WATER METER LOCATION

594 W. CATTLE DR.

SITE EVALUATION FORM

HOME/BUSINESS OWNER: Mike Fabian & Becky Steele

SUBDIVISION: Texas Acres, Section 2, Blk 12, Lot 25

SURVEY:

STREET ADDRESS: 594 W. Cattle Dr., Onalaska, Texas

ACREAGE/SQUARE FOOTAGE OF LOT: .31 ac.

TOPOGRAPHY

SLOPE

FLAT (0%-5%) SLIGHT (6%-15%) MODERATE (16%-29%) SEVERE (OVER 30%)

VEGETATION:

GRASSY GRASS/BRUSH LIGHTLY WOODED HEAVILY WOODED

SITE DRAINAGE

POOR ADEQUATE GOOD OTHER

FLOOD HAZARD: IN OUT

NOTE: IF ANY OF THE PROPERTY LIES WITHIN FLOOD HAZZARD IT MUST BE SHOWN ON THE SEPTIC DESIGN. PROPERTY IS NOT IN THE FEMA FLOODPLAIN.

WATER SUPPLY

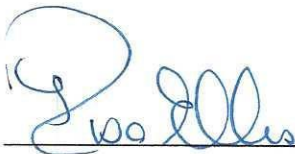
COMMUNITY PUBLIC PRIVATE PUBLIC WELL

NOTE: IF ANY NEIGHBORING WELLS EXIST, THEY MUST BE SHOWN ON THE DESIGN

TYPE OF FACILITY

RESIDENTIAL COMMERCIAL

ESTIMATED WATER USAGE 240 GPD



Lisa Ellis, S.E.

6/13/23

Date



OSSF SOIL EVALUATION FORM

Owner's Name: Mike Fabian & Becky Steele	Date: 6/13/23
Direction to Property: From Onalaska take FM 356 to Texas Acres to North Cattle Dr. to West Cattle Dr. house on the right.	Address: 594 W. Cattle Dr., Onalaska, Texas
Name of Site Evaluator: LISA ELLIS	Proposed Excavation Depth: 5'

At least two soil evaluations must be performed on the site, at opposite ends of the proposed disposal area. Please show the results of each soil evaluation on a separate table. Locations of soil evaluations must be shown on the site drawing.

For subsurface disposal, soil evaluations must be performed to a depth of at least 2ft. below the proposed excavation depth. For surface disposal, the surface horizon must be evaluated.

Please describe each soil horizon and identify any restrictive features in the space provided below. Draw lines at the appropriate depths.

Depth (Ft.)	Textural Class	Drainage Mottles/Water Table	Restrictive Horizon	Gravel Analysis	Comments
1	CLAY	YES	YES	NO	CLASS IV
2	CLAY	YES	YES		
3	CLAY	YES	YES		
4	CLAY	YES	YES		
5	CLAY	YES	YES		

Soil Class: IV

Soil Boring Number: 1

Depth (Ft.)	Textural Class	Drainage Mottles/Water Table	Restrictive Horizon	Gravel Analysis	Comments
1	CLAY	YES	YES	NO	CLASS IV
2	CLAY	YES	YES		
3	CLAY	YES	YES		
4	CLAY	YES	YES		
5	CLAY	YES	YES		



Soil Class: IV

Soil Boring Number: 2

6/13/23

 Lisa Ellis, S.E. DATE