

Per Telephone call with Stern. Sanitarian

MISSOULA CITY-COUNTY HEALTH DEPARTMENT
 301 W. ALDER (406)523-4755
SEWER PERMIT AND APPLICATION

OWNER NAME: Steve & Pat Butler PHONE: 239-5712
 OWNER ADDRESS: 26701 Mill Creek Rd. Frenchtown, MT.
 CERTIFIED INSTALLER: Self & passed exam
 LOCATION OF INSTALLATION: Section 17 NW 1/4 T 16 R 20 S 20
 ADDRESS OF SITE: 26701 Mill Creek Rd.
 CERTIFICATE OF SURVEY: # --- SUBDIVISION: Tractland
 LOT: --- BLOCK: --- TRACT: --- SIZE OF PARCEL: 80 acres
 GENERAL AREA NAME: Mill Creek

SEPARATION ADEQUATE FOR:
 (INFO SUPPLIED BY APPLICANT)(CHECK ALL)

Special Conditions and Other Information

	YES	NO
WELLS >100'	<input checked="" type="checkbox"/>	
WATER LINES >10'	<input checked="" type="checkbox"/>	
FLOODPLAIN >100'	<input checked="" type="checkbox"/>	
SURFACE WATER >100'	<input checked="" type="checkbox"/>	
HGW >4', >5', >6'	<input checked="" type="checkbox"/>	
BEDROCK >6'	<input checked="" type="checkbox"/>	
SLOPE <25%	<input checked="" type="checkbox"/>	
PROPERTY LINES, BLDGS >10'	<input checked="" type="checkbox"/>	

*SANITARY RESTRICTIONS? YES --- NO 1
 *ANY EXISTING SEPTIC SYSTEMS? YES --- NO ---
 UPGRADE REQUIRED? YES --- NO ---
 *INSIDE OR NEAR FLOODPLAIN: YES --- NO ---
 *PUBLIC SEWER LESS THAN 200 FEET: YES --- NO ---
 *PROPERTY LOCATED IN MWTPSA? YES --- NO ---
 FOR NEW OR INCREASED USE
--- SUBDIVISION PLAT LANGUAGE EXISTS
--- DEED RESTRICTION FILED
 *PROPERTY LOCATED IN S.T.E.P. AREA? YES --- NO 1
--- CITY S.T.E.P. TANK & PERMIT REQUIRED

SOIL TYPE: Sandy clay loam
 WATER SUPPLY: well

perc = 23.1 min/in.

TYPE OF SYSTEM TO BE INSTALLED: X NEW: --- REPLACEMENT
 SYSTEM SIZING: --- RESIDENTIAL --- #OF BEDROOMS: 3 GAL/DAY: 375
--- COMMERCIAL --- USE --- GAL/DAY: ---

APPLICATION RATE (Gal/day or sq. ft./bedroom): 0.625 gal/10/day
 FROM: PLAT APPROVAL ---; SITE EVALUATION X; ENGINEER ---
 SYSTEM SIZE & DESCRIPTION: 1000 Gallons (X concrete, --- S.T.E.P., --- other) septic tank
 with 300 lineal feet of 24 inch trench drainfield as per site plan attached. Install an 8 inch capped riser from tank to surface.
 S.T.E.P. tanks requires manway and lid to be inspected by the City.

SPECIAL CONDITIONS: Put df where perc tests done. Follow clay soils procedure.

As purchaser of this permit, I agree to comply with all requirements for installation as described in Missoula City-County Health Code Regulation #1, State Water Quality Bureau Regulations and special conditions described above. This document does not release me from complying with any other State, Federal or Local regulations including but not limited to zoning, building and floodplain regulations.

This permit is valid for twelve (12) months from date of purchase. Sewage disposal systems must be completed within this time and inspected by the Department prior to covering the system. A copy of this permit is to be on site at all times during construction and inspection of the system. Please use the permit number in the upper right hand corner for reference when you call for a final inspection.

Permit purchaser: Butler Date: 8-24-01
 Health Authority: Jul Todd Date: 8/22/01

SEWER PERMIT CHECKLIST

ALL PERMITS:

☒ **SITE PLAN ATTACHED TO PERMIT**

HOOK-UP TO MUNICIPAL SEWER IS REQUIRED IF: (CHECK ONE)

☐ <200' TO PROPERTY LINE IF IN CITY LIMITS ☐ CALLED AND REFERRED TO CITY ENGINEERS OFFICE
☐ <200' TO BUILDING IF OUTSIDE CITY LIMITS ☐ DATE _____
☐ NOT WITHIN 200 FEET OF MUNICIPAL SEWER ☐ PERSON CONTACTED _____

SPECIAL MANAGEMENT AREAS: (see section XV of Health Code)

☐ LINDA VISTA - Connect to public sewer.
☐ MWTPSA - IF YES, IS DEED RESTRICTION FILED? YES _____
OR SUBDIVISION PLAT LANGUAGE EXISTS: YES _____
☐ RATTLESNAKE - ONE SYSTEM PER LOT - 25' VERTICAL & 100' HORIZONTAL SEPARATION FROM VALLEY
☐ ROMAN CREEK/TOUCHETTE LANE (W 1/2 SEC 27, S 28, E 1/2 S 29, T 15N, R 21W)
(NORTH OF I-90 AND SOUTH OF FRENCHTOWN CANAL) - CONDITIONS MET _____

TYPE OF PARCEL: (CHECK ONE)

☐ SUBDIVISION FILED PRIOR TO 5/27/61, REQUIRES A SITE EVALUATION. S.E. IN FILE _____ (YES OR NO)
☐ SUBDIVISION FILED AFTER 5/27/61 WITHOUT LIFTING, REQUIRES SUBDIVISION REVIEW. S.E. IN FILE _____
☐ SUBDIVISION FILED AFTER 5/27/61 WITH RESTRICTIONS LIFTED AND RECORDED
☐ COS W/LIFTING ON FILE/RECORDED
☐ COS WITH >20 ACRE EXEMPTION (REQUIRES SITE EVALUATION) SITE EVALUATION ON FILE _____ (YES OR NO)
☐ COS WITHOUT LIFTING ON FILE (IS USUALLY AN EXEMPTION FOR WHICH NO PERMIT CAN BE ISSUED i.e. AG., CEMETERY, etc.)
☒ TRACTLAND REQUIRES A SITE EVALUATION. (>5 (BEFORE 1973), >10 (BEFORE 1975), >20 ACRES)

NEW PERMITS:

PLANNING/ZONING PERMIT REQUIRED (CHECK ONE)

☐ INSIDE BUILDING INSPECTOR ZONE - BUILDING PERMIT APPLICATION REQUIRED
☐ IN ZONED AREA OR IN OR NEAR FLOODPLAIN OR SUBDIVISION FOR LEASE OR RENT - COMPLIANCE PERMIT REQUIRED.
☒ OUTSIDE BUILDING INSPECTOR ZONE - NOT IN ZONED AREA OR IN FLOODPLAIN.

SIZE OF PARCEL OR PARCELS: 81 acres

☐ IF <1/2 ACRE, OWNERSHIPS OF CONTIGUOUS LOTS (prior to May 19, 1988)
DETERMINED FROM ASSESSORS OFFICE. (SEE SECTION V(D)(2))

REPLACEMENT SYSTEMS:

HIGH GROUND WATER OR BEDROCK (CHECK ONE)

☐ HIGH GROUNDWATER OR BEDROCK AREA - DRAINFIELD, ADSORPTION BED, OR SHALLOW SEEPAGE PIT REQUIRED
☐ NOT A HIGH GROUND WATER OR BEDROCK AREA

SITE VISIT:(CHECK ONE)

☐ SITE VISIT REQUIRED TO VERIFY ROOM FOR: 1) DRAINFIELD, ABSORPTION BED OR SEEPAGE PITS
2) GROUNDWATER 3) WELLS 4) ETC.
☐ SITE VISIT NOT NECESSARY TO VERIFY SOILS, SPACE FOR ADSORPTION AREA, DISTANCE TO WELLS, OR GROUNDWATER.

BUTLER PERMIT

Conditions for Installations in fine soils

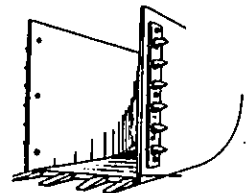
This attachment constitutes special conditions for permit # 2001-243 and must be provided along with the approved plot plan to the septic system installer.

It is important to maintain soil structure during the construction of drainfields because it greatly affects the soil's ability to absorb effluent. The State Department of Environmental Quality requires that trenches used for subsurface absorption fields be raked or scarified. It also prohibits construction of a system when soil moisture content is high. These criteria for installation are especially important to follow in clay type soils. For this reason and to help prevent unnecessary failures, the following requirements shall be enforced on all permits written for clay type soils (soils finer than silt loam). These requirements are established under provisions found in Regulation #1, Section III(A) of the Missoula City-County Health Code which states, "The Department may place any conditions on a permit which will facilitate compliance with the provisions of this regulation or subdivision approval".

Requirements

1. Construction shall not commence or proceed when the soil at a depth of 9" can be rolled into the shape of a rope.
2. Trenches must be scarified, preferably with protrusion bolts or raker teeth bolted onto the side of the backhoe bucket similar to those shown in the adjacent figure. Trench sidewalls shall show no signs of smeared soil.
3. The drainfield site must not be located in any swale and must be protected from surface runoff.
4. Because clay easily compacts, it is especially important that you don't drive over your drainfield.
5. Provide at least 6" of drop from the tank to drainfield, or $\frac{1}{8}$ " per foot, whichever is greater. If trenches cannot be maintained less than 36" deep with this requirement, a pump station must be provided.

3/4 inch rods or bolts
approximately 1-1/2"
long spaced
approximately 3"



Recommendations

1. Water softeners may cause clay soils to swell and lose structure resulting in impermeable conditions in the drainfield. For this reason water softeners are not recommended for use in conjunction with this system.
2. Garbage disposals should not be used on this system. Finely ground food particles place an increased demand on the system, and may pass through the tank to the drainfield, posing an increased risk of system failure.

Permit Purchaser: Butler

Date: 8/24/01

Health Authority: Jim Todd

Date: 8/24/01

Name STEVE BUTLER

Address P.O. BOX 853 FRENCHTOWN MT.

Phone 406-239-5112

Self-Installers Certification Examination

Multiple Choice (Circle the best answer.)

1. Certification expires:
 - A. Two years after completion of the certification exam.
 - ☒ B. On December 31 of the year in which it is issued.
 - C. At the end of the fiscal year.
 - D. Never.
2. The pipe connecting the septic tank and the drainfield must be:
 - ☒ A. Schedule 40 PVC pipe, at least 4 inches in diameter.
 - B. Perforated Sewer pipe, at least 2 inches in diameter.
 - C. Solid PVC pipe, at least 8 inches in diameter.
3. The issuance of a permit for a new septic system requires:
 - A. A site plan, drawn to scale.
 - B. A site evaluation or other soils work proving adequate soils and site conditions.
 - C. Fee payment.
 - ☒ D. All of the above.
4. After installation, septic tank inlets and outlets must be:
 - A. Pressure tested to determine stress tolerance.
 - B. Equipped with 1/2-inch vents to provide for adequate air exchange.
 - ☒ C. Sealed to prevent leaking.
5. A permit for an individual septic system expires:
 - A. Only after the project is complete.
 - B. Six months after the permit is required.
 - ☒ C. If the system is not installed, inspected, and approved within one year.
 - D. Never.
6. Perforations in drainfield pipe must be placed at:
 - A. 11 and 1 o'clock.
 - B. 3 and 9 o'clock.
 - ☒ C. 5 and 7 o'clock.
 - D. 2 and 5 o'clock.
7. The minimum separation between maximum high groundwater elevation and the bottom of the drainfield is:
 - A. 10 feet.
 - ☒ B. 4 feet.
 - C. 2 feet.
 - D. 25 feet.

8. Sewer lines must be located at least _____ feet horizontally from any existing or proposed water lines.
- A. 100
 - B. 50
 - ☒ C. 10
 - D. 4
9. Septic tanks may be made of:
- A. Reinforced Metal
 - ☒ B. Reinforced concrete
 - C. Styrofoam
 - D. A and B
10. A certified self-installer is required to:
- ☒ A. Be on-site at all times during installation and inspection.
 - B. Supervise only during the planning stages of the project.
 - C. Complete and sign notarized documentation stating the safety of the system.
 - D. All of the above.
11. The pipe between the building producing wastewater and the septic tank must be:
- A. Solid PVC pipe.
 - ☒ B. Schedule 40 PVC pipe.
 - C. Perforated sewer pipe.
 - D. Iron pipe.
12. When should an inspection of a septic system be conducted?
- A. Before the septic tank is sealed.
 - B. At each stage of the project.
 - ☒ C. After the system is completed, before any portion is covered.
 - D. After the system is covered, when a comprehensive diagram is available.
 - E. C or D.
13. A septic tank must be installed:
- ☒ A. Level, on undisturbed ground.
 - B. Level, on pre-compressed, raked ground.
 - C. At up to a 15% slope, following the contour of the land.
 - D. With a clay liner in high groundwater areas.
 - E. With an inspector present.
14. Drainfield pipes must be surrounded by coarse material which fits which of the following criteria?
- A. Clean.
 - B. Crushed stone, gravel, or similar permeable material.
 - C. 0.75 to 2.5 inches in diameter.
 - D. A and B
 - ☒ E. All of the above.
15. Gravel (coarse material) must be placed from _____ inches below the drainpipe to _____ inches above the drainpipe.
- A. 5 to 10
 - ☒ B. 6 to 2
 - C. 10 to 5
 - D. 3 to 3
 - E. 2 to 6

16. Gravel (coarse material) must be covered with _____ before backfilling the trench:
- A. 2 to 5 inches of untreated sand.
 - ☒ B. Untreated building paper or other approved material.
 - C. Cherry Lifesavers.
 - D. A and B.
17. Permits are required:
- A. When the installer has been certified for less than one (1) year.
 - B. For alternative wastewater treatment systems.
 - C. When the construction period will take more than one (1) full week.
 - ☒ D. For installation or modification of any wastewater treatment system.
18. Impermeable layers (such as bedrock) must be at least _____ feet below the natural ground surface.
- A. 9
 - B. 15
 - C. 4
 - ☒ D. 6
19. The first 5 feet of pipe coming out of a distribution box must be:
- A. Stair-stepped at 90-degree angles.
 - ☒ B. Solid PVC pipe.
 - C. Schedule 40 pipe.
 - D. Perforated sewer pipe.
 - E. A and B.
20. When must unconnected ends of drainfield laterals be capped?
- ☒ A. Always.
 - B. Never.
 - C. Only on engineered systems.
 - D. Whenever total drainfield length exceeds 200 feet.
21. The purpose of a drainfield is to:
- A. Treat effluent.
 - B. Provide a large surface area for bacteria to break down sewage.
 - C. Keep the effluent near the surface where oxygen is available for aerobic treatment.
 - ☒ D. All of the above.
22. Septic tanks must be equipped with a riser pipe which is:
- A. Red.
 - ☒ B. Extended to the elevation of the finished grade.
 - C. A minimum of 8 inches in diameter and capped.
 - ☒ D. B and C
23. When a drainfield cannot be installed level and still meet the minimum and maximum depth requirements, which of the following is required?
- A. A simple distribution box.
 - ☒ B. A dosing distribution box.
 - C. A random output distribution box.
 - D. A pressure distribution system.

24. Distribution boxes must meet which of the following requirements?
- A. Equal lengths of perforated pipe at each connection.
 - B. At least 5 feet of solid pipe before the beginning of perforated pipe.
 - D. Marked by an iron pipe to facilitate location.
 - ☒ G. All of the above
25. Which of the following conditions are acceptable?
- A. A structure located above the septic tank.
 - B. A structure located above the drainfield.
 - C. Pavement over the drainfield.
 - ☒ D. Plants above the septic tank or drainfield.
 - E. None of the above.
26. An inspection of a septic system must be requested ____ working hours before completion of the system.
- A. 1
 - B. 4
 - ☒ C. 8
 - D. 24
27. A septic tank must include:
- A. Baffles, with an air space along the top or a Sanitary T.
 - B. Reinforced steel posts at each corner.
 - C. Access ports for each compartment of the tank.
 - D. A and B.
 - ☒ E. A and C.
28. A \$25.00 re-inspection fee will be charged:
- A. When drainfield pipes are incorrectly color-coded.
 - B. When approval of the system is withheld and corrective action is required.
 - C. When an appointment is made less than 8 hours before an inspection is needed.
 - D. When the certified installer is not available on-site for the inspection.
 - E. B, C, and D.
 - ☒ F. B and D.
29. Septic tanks must be sized to retain wastewater for a minimum of _____ hours.
- A. 10
 - B. 12
 - C. 24
 - ☒ D. 48
30. What do you have to have available at the time of inspection in order to test any system involving a distribution box?
- A. A level and tape measure.
 - ☒ B. Water.
 - C. Septic effluent.
 - D. A magnifying glass.

Fill in the Blanks (For questions 31 through 42, fill in the minimum allowed distance in feet to each object.)

From:	To:	Septic Tank	Drainfield
31-32.) Well		<u>50</u>	<u>100</u>
33-34.) 100-year Floodplain		<u>10</u>	<u>100</u>
35-36.) Foundation Walls		<u>10</u>	<u>10</u>
37-38.) Property Lines		<u>10</u>	<u>10</u>
39-40.) Surface Water		<u>50</u>	<u>100</u>
41-42.) Water Lines		<u>10</u>	<u>10</u>

Matching (For questions 43-46, match the following details of construction.)

- | | |
|---|---------------|
| <u>B</u> Maximum length of trenches | A. 12 inches |
| <u>E</u> Maximum depth of trenches | B. 100 feet |
| <u>D</u> Depth of coarse material under drainfield pipe | C. 2.5 inches |
| <u>C</u> Maximum size of coarse material in trenches | D. 6 inches |
| <u>A</u> Minimum width of trenches | E. 36 inches |

Fill in the Blank

48. Drainfield lines should not slope more than 0 %.
49. Pipe from a building to a septic tank must lie on a slope of not less than $\frac{1}{4}$ inches per foot.
50. Primary sewage treatment uses a SEPTIC TANK to induce the settling of solids and treatment by anaerobic bacteria.

PERCOLATION TEST RECORD FORM

Property owner: STEVE & PAT BUTLER

Property location: 26701 MILL CREEK RD. FRENCHTOWN MT

Test hole #: 1 Depth of test hole: 30" Diameter of test hole: 6"

Date and time presoak initiated: 8-18-01 1:35 PM.

Depth of water for first presoak 12 INCHES Time for water to seep away: 23 MIN.

Depth of water for 2nd presoak 12 INCHES Time for water to seep away: 44 MIN.

(If water does not seep away within one hour during the second presoak, maintain 12 inches of water in hole for at least 4 hours.)

Describe soil texture of test hole: SANDY CLAY LOAM

Date of test: 8-19-01 Name of person conducting test: STEVE BUTLER

Depth of water in test hole at start of test: 6"

Record measurements below

Time	Time interval (minutes)	Measurement (inches)	Drop in water level (inches)	Remarks
	-----		-----	NAIL AT 12" FROM GRAVEL
9:45 AM		6"		6" FROM NAIL
10:15		8 ¹⁵ / ₁₆		
10:45		10 ³ / ₄		
11:05		8 ¹⁵ / ₁₆		NO WATER IN HOLE / FILLED TO 8 ¹⁵ / ₁₆
11:35		9 ⁷ / ₈		FOR NEXT 3 DROPS - 30 MIN. INTERVAL
12:05		9 ¹³ / ₁₆		FILLED TO 8 ¹⁵ / ₁₆
12:35		9 ⁵ / ₈		FILLED TO 8 ¹⁵ / ₁₆

Percolation Rate =
$$\frac{\text{Time Interval in Minutes}}{\text{Water Level Drop in Inches}} = \frac{30}{11/16} = \frac{x}{1} = 44 \text{ min/in.}$$

(0.6275)

PERCOLATION TEST RECORD FORM

Property owner: STEVE & PAT BUTLER

Property location: 26701 MILL CREEK RD. FRENCHTOWN MT.

Test hole #: 2 Depth of test hole: 30" Diameter of test hole: 6

Date and time presoak initiated: 8-18-01 1:36 P.M.

Depth of water for first presoak 12" Time for water to seep away: 7 min

Depth of water for 2nd presoak 12" Time for water to seep away: 16 min

(If water does not seep away within one hour during the second presoak, maintain 12 inches of water in hole for at least 4 hours.)

Describe soil texture of test hole: SANDY CLAY LOAM

Date of test: 8-19-01 Name of person conducting test: STEVE BUTLER

Depth of water in test hole at start of test: 6"

Record measurements below

Time	Time interval (minutes)	Measurement (inches)	Drop in water level (inches)	Remarks
	-----		-----	NAIL AT 12" FROM GRAVEL
9:47 AM		6"		6" FROM NAIL
10:18		6"	1 3/4"	WATER SEEPED AWAY IN LESS THAN 30 MIN. START 10 MIN. INTERVAL
10:28		7 3/4"	1 3/8"	
10:38		9 1/8"	1 5/16"	
10:48		10 7/16"		
10:57		9 1/8"	1 1/10"	NO WATER IN HOLE / FILLED TO 9 1/8" FOR NEXT 3 DROPS (10 MIN. INTERVAL)
11:07		10 1/16"		FILL TO 9 1/8"
11:17	9 1/6	9 3/8"	5/8"	FILLED TO 9 1/8"
11:27	9 1/9	9 3/8 1/4"	5/8"	FILLED TO 9 1/8"
11:37	9 1/8 1/4	9 11/16"	9/16"	

Percolation Rate = $\frac{\text{Time Interval in Minutes}}{\text{Water Level Drop in Inches}} = \frac{10}{.5625} = 18 \text{ min/in.}$

PERCOLATION TEST RECORD FORM

Property owner: STEVE & PAT BUTLER

Property location: 26701 MILL CREEK RD FRENCHTOWN MT

Test hole #: 3 Depth of test hole: 30" Diameter of test hole: 6

Date and time presoak initiated: 8-18-01

Depth of water for first presoak 12" Time for water to seep away: 39 MIN.

Depth of water for 2nd presoak 12" Time for water to seep away: 3 HRS 10 MIN.
(If water does not seep away within one hour during the second presoak, maintain 12 inches of water in hole for at least 4 hours.)

Describe soil texture of test hole: SANDY CLAY LOAM

Date of test: 8-19-01 Name of person conducting test: STEVE BUTLER

Depth of water in test hole at start of test: 6"

Record measurements below

Time	Time interval (minutes)	Measurement (inches)	Drop in water level (inches)	Remarks
	-----		-----	NAIL AT 12" FROM GROUND
9:49 AM		6"		6" FROM NAIL
10:21		6"	3/4	WATER SEEPED AWAY IN LESS THAN 30 MIN. START 10 MIN. INTERVAL
10:31		9 1/4	2 7/16	
10:41		11 1/16	2	
10:51		9 1/4		NO WATER IN HOLE FILLED TO 9 1/4 FOR NEXT 3 DROPS
11:01		10 3/4	1 1/2	FILLED TO 9 1/4 (10 MIN. INTERVAL)
11:11		10 5/8	7/16	FILLED TO 9 1/4
11:21		10 5/8	9 3/8 = 1 3/4	

Percolation Rate =
$$\frac{\text{Time Interval in Minutes}}{\text{Water Level Drop in Inches}} = \frac{10}{1 3/8} = \frac{10}{1.375} = 7.3 \text{ min/in.}$$

301 W. Alder
Missoula MT 59802
(406)523-4755

SITE EVALUATION REPORT

Applicant Steve & Pat Butler Phone: 239-5112

Description: NW 1/4 NW 1/4 T 16 R 20 Section 20

Division or Certificate of Survey _____ Address of site 26701 Mill Creek Rd.

Lot or parcel 80 acres

Distance to nearest well, irrigation ditch, or surface water approx. 150' to spring[?] or puddled surface water from spring run-off

PROFILE: #1

Depth	Texture	Structure	Color	Other Features
2"	topsoil - loamy	crumb	dark brown	
48"	sandy clay loam	massive	orange-brown	
9'	sandy clay loam ^{with} waves	angular blocky	brown	No rock like hole #2

PROFILE: #2

Depth	Texture	Structure	Color	Other Features
6"	topsoil - loamy	crumb	dark brown	
32"	sandy clay loam	subangular blocky	orange	waves or fractured
1'-5'	sandy clay loam	angular blocky	orange + purple	rock at bottom 32" + (angular cobbles) D.K.

Description, 18-36" Sandy clay loam

Percent of lot at site: approx. 8-10% %

Features: No groundwater encountered

Location rate: per test req'd

Recommendations: Keep drainfield out of fractured rock, closer to hole #1.

Is acceptable for septic system Yes No pending perc.

Given to Applicant X

Evaluation conducted by Jeff Todd on 5-21-01, 19__

Indicates information required for data entry

* BUTLER'S

CATTLE GUARD THEN LAKE Cnty / RESV.

27601
MILL CRK RD

1/2 mi.

BEAR CRK RD

10 mi.

MILL CRK RD

10 MILES FROM FRONTAGE RD
TAKE Y TO LEFT

FRONTAGE RD

HWY 90

FRENCH TOWN

MSEA

Remains for
house

#1

#2

Bar