

INDIVIDUAL SEWER SYSTEM INSPECTION REPORT

Name of Owner Marilyn & David Bawn

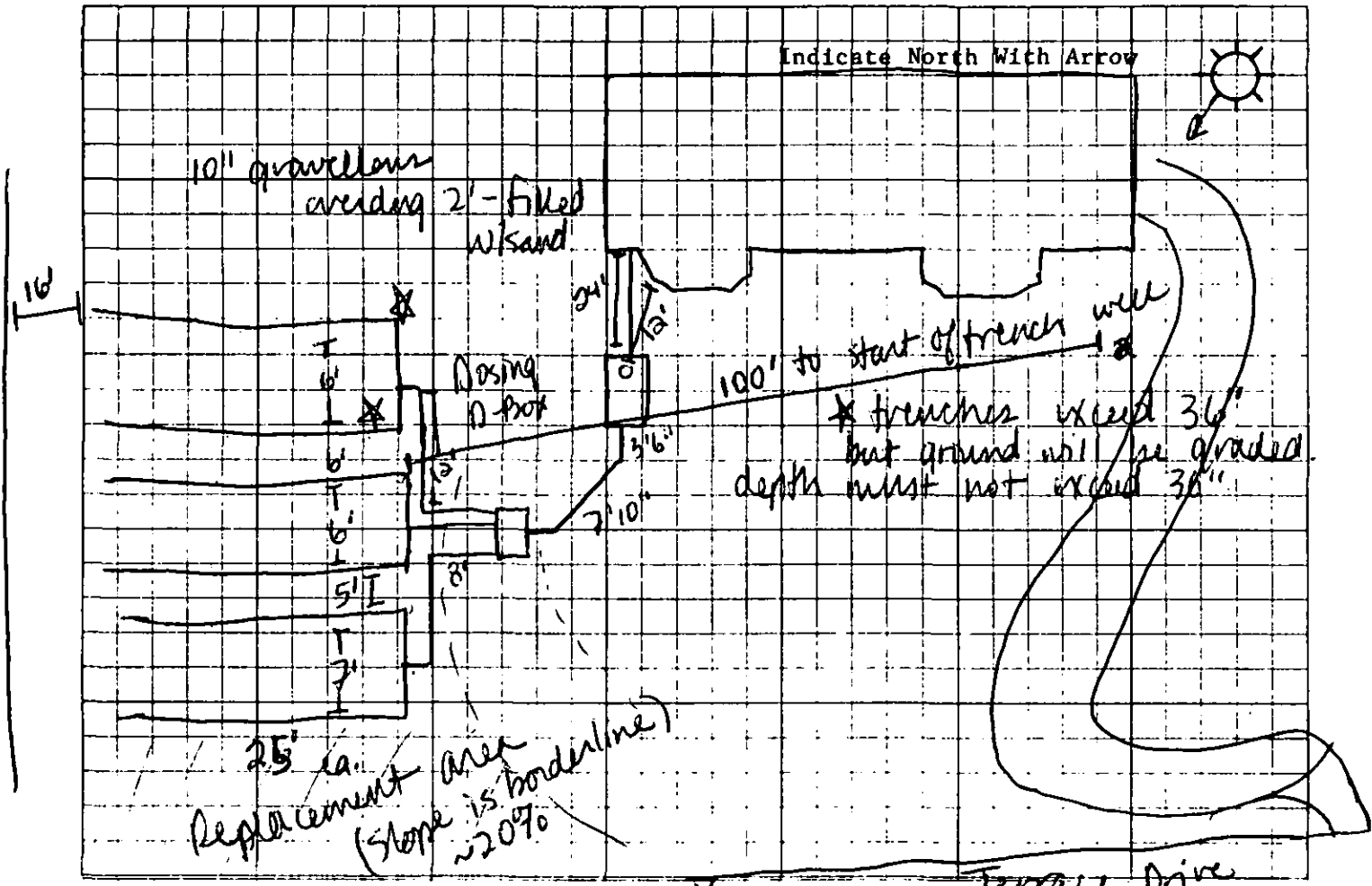
Legal Address/Location 2965 Terrace Drive

Certified Installer Chris Bawn (self), Shawn Reynolds

Type System: New X Replacement _____
Septic Tank: Capacity: 1000 gal. X Other _____ gal., Material: Concrete _____ Other _____, Depth to top: _____ ft. in.
Drainfield: Total length 150 ft., # of laterals 6, Trench Depth 32-36 in. to bottom & see note
Seepage Pit: Height _____ ft., Depth to Top _____ ft. in.
Distance of Installation From: Property Lines: 16' Wells: 100' Surface Water: none Other _____

3
x 25
x 6
150

Soil Type _____



Installation Inspected: Approved X Disapproved _____

Self Inspected By: Jim Evans S.I.T. 11/13/98
Sanitarian Date

Corrections Necessary: X beel each header + check w/ level; grade final cover so that upper trenches don't exceed 36".

Inspection Witnessed By: [Signature] 11/13/98
Date

Deficiencies Corrected: yes _____ no _____
Sanitarian Date

PERMIT #:

98-92

MISSOULA CITY-COUNTY HEALTH DEPARTMENT

301 W. ALDER

(406)523-4755

SEWER PERMIT AND APPLICATION

Replaces

93-551

OWNER NAME: Maralyn & David Bown PHONE: 251-6003OWNER ADDRESS: 130 Grandview WayCERTIFIED INSTALLER: Must be certifiedLOCATION OF INSTALLATION: NE 1/4 NW 1/4 T 12 R 19 S 18ADDRESS OF SITE: 2965 Tenace DriveCERTIFICATE OF SURVEY: # _____ SUBDIVISION: South MeadowsLOT: W 1/2 Lot 4 BLOCK: _____ TRACT: _____ SIZE OF PARCEL: 2.5GENERAL AREA NAME: Miller Creek

SEPARATION ADEQUATE FOR:

(INFO SUPPLIED BY APPLICANT)(CHECK ALL)

Special Conditions and Other Information

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

*SANITARY RESTRICTIONS ?	YES	NO
*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 <input checked="" type="checkbox"/>
CITY S.T.E.P. TANK & PERMIT REQUIRED		

SOIL TYPE: Sand

WATER SUPPLY: _____

TYPE OF SYSTEM TO BE INSTALLED: X NEW: _____ REPLACEMENTSYSTEM SIZING: _____ RESIDENTIAL #OF BEDROOMS: 3 GAL/DAY: 375

COMMERCIAL USE GAL/DAY: _____

APPLICATION RATE (Gal/day or sq. ft./bedroom): 1.2FROM: PLAT APPROVAL _____; SITE EVALUATION DK; ENGINEER ±24SYSTEM SIZE & DESCRIPTION: 1000 Gallons (X concrete, _____ S.T.E.P., _____ other) septic tankwith 200 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: Zoning compliance permit is required beforeconstruction begins. 10/20/98. All the overdig in clay area & fill w/12" sand.If not overdig & consistent clay, d.f. must be sized w/ app. rate of dig, 313 l.f.Dosing D-box req'd. If gravel or pipe used, must be 133' fillAs purchaser of this permit, I agree to comply with all requirements for installation as described in Missoula City-County Health Code Regulation #1, StateWater Quality Bureau Regulations and special conditions described above. This document does not release me from complying with any other State, Federal orLocal regulations including but not limited to zoning, building and floodplain regulations.* Sidewalks w/ sand, overdig 2'.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 tocovering 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 righthand corner for reference when you call for a final inspection.Permit purchaser: X David Bown Date: 4-30-98Health Authority: Zon Bange Date: 4/30/98

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: _____

___ IF <1/2 ACRE, OWNERSHIPS OF CONTIGUOUS LOTS (prior to May 19, 1986)
___ 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, ADSORPTION 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.

SEWER PERMIT AND APPLICATION

FEE \$ 75.00

Owner/Applicants Name Imbag/19220, Ray D. Phone# 251-5011

Owner/Applicants Address _____

Certified Installer JEL Exc.

Location of Installation: NE 1/4 NW 1/4 T 12 R 19 Section 18

Address of Site Terrace Drive

Certificate of Survey # _____ HD # _____

Subdivision South Meadows

Lot W 1/2 of 4 Block _____

Tractland _____

General area name Upper Mills Creek

Size of Lot or Parcel _____

Any existing structure or sewage disposal facilities: Yes _____ No _____

If Yes, Explain: _____

Residential - Number of Bedrooms 4 Commercial _____ gal/day _____

Water supply: Private _____ Public _____ Multi-family _____

Soil Type Sand over clay

Depth to groundwater _____ 450

Type of system to be installed: New X Replacement _____

System size: From Plat approval _____ From site evaluation # _____

Application rate _____ Gal./square Ft/day

Square feet per bedroom _____

Engineered _____

Description of System to be installed 1000 gallon septic tank and 200 linear feet of drainfield.

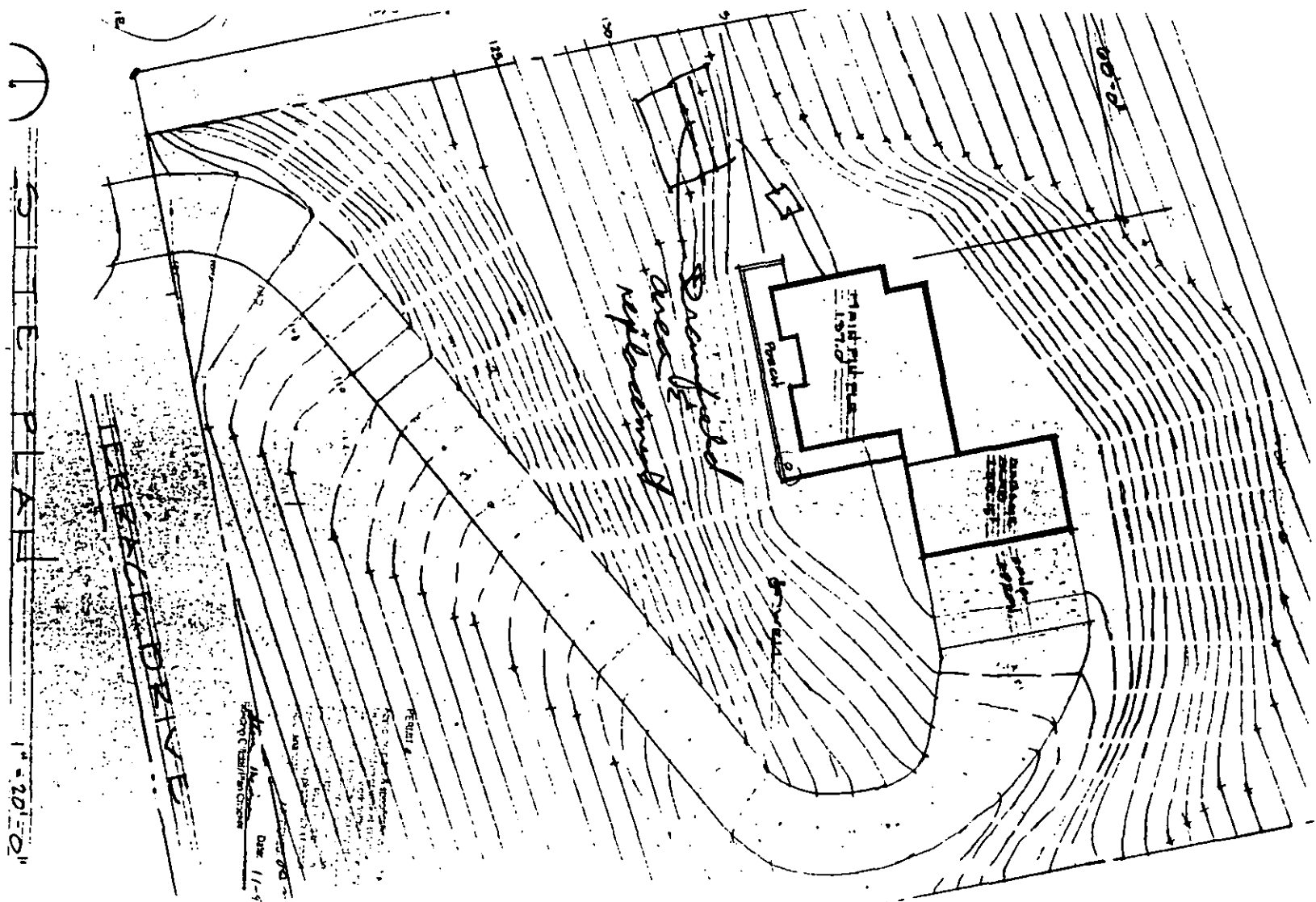
Special Conditions Obtain address before inspection

As purchaser of this permit, I agree to install an individual sewer system which meets all requirements as specified in the Missoula County rules and regulations for subsurface sewage disposal systems.

Permit Purchaser Ray C. Imbag Date: 11-5-93

Health Authority [Signature] Date: 11/5/93

This permit is valid for 12 months. Construction of the sewage disposal system must commence during this time or the permit is no longer valid. A final inspection by the Department is required prior to covering the installed system. Applicant's copy of the permit must be on-site at the time of inspection. Please use the permit number in the upper right hand corner for reference when you call for a final inspection.



SEWER PERMIT CHECKLIST

PERMIT NUMBER 93-551

INITIALS VB

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 _____
☐ LINDA VISTA SPECIAL MANAGEMENT AREA: DEED RESTRICTION FILED WITH CLERK AND RECORDER

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

	YES	NO
WELLS >100'	<input checked="" type="checkbox"/>	<input type="checkbox"/>
WATER LINES >10'	<input checked="" type="checkbox"/>	<input type="checkbox"/>
FLOODPLAIN >100'	<input checked="" type="checkbox"/>	<input type="checkbox"/>
SURFACE WATER >100'	<input checked="" type="checkbox"/>	<input type="checkbox"/>
HGW >6', >5', >3'	<input checked="" type="checkbox"/>	<input type="checkbox"/>
BEDROCK >6'	<input checked="" type="checkbox"/>	<input type="checkbox"/>
SLOPE >25% <50% = 2'x (X-25)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
PROPERTY LINES, BLDGS. >10'	<input checked="" type="checkbox"/>	<input type="checkbox"/>

NEW PERMIT:*****

PLANNING/ZONING PERMIT REQUIRED (CHECK ONE)

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

TYPE OF PARCEL: (CHECK ONE)

- ☐ SUBDIVISION FILED PRIOR TO 5/27/61 REQUIRE A SITE EVALUATION. S.E. IN FILE _____ (YES OR NO)
☒ SUBDIVISION FILED AFTER 5/27/61 WITHOUT LIFTING REQUIRE SUBDIVISION REVIEW. S.E. IN FILE OK
☐ 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)

OTHER ITEMS TO CHECK:

- ☐ MEETS 600 GAL/ACRE/DAY
☐ RATTLESNAKE: ABOVE INTAKE
☐ IN 201 AREA (STEP TANK RECOMMENDED) (POSTED AT COUNTER)
☐ FRENCHTOWN (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) BOARD OF HEALTH CONDITIONS MET _____

REPLACEMENT SYSTEMS:*****

HIGH GROUND WATER:(CHECK ONE)

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

LIFTING:(CHECK ONE)

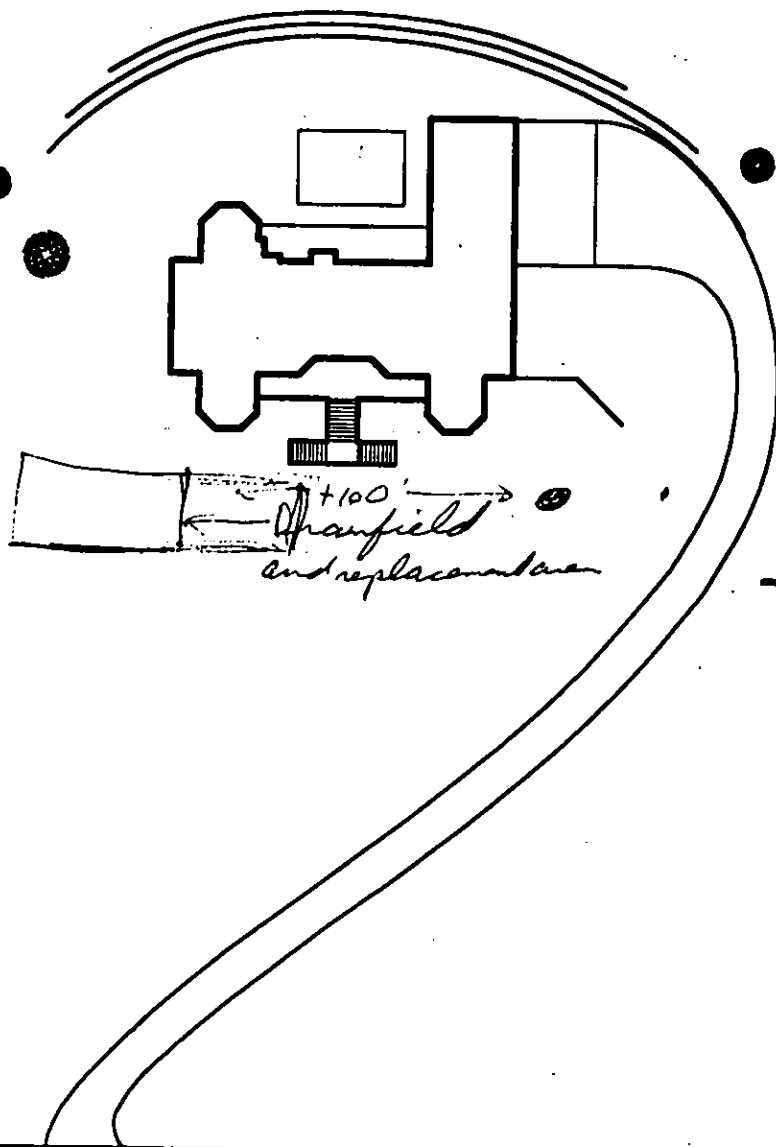
- ☐ NO LIFTING ON FILE
☐ LIFTING ON FILE REQUIRES DRAINFIELD/ADSORPTION BED

SITE VISIT:(CHECK ONE)

- ☐ SITE VISIT REQUIRED TO VERIFY ROOM FOR: 1) DRAINFIELD, ADSORPTION 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.

OTHER ITEMS TO CHECK:

- ☐ PERMIT REQUIRES CAPPED RISER TO SURFACE;
☐ PERMIT REQUIRES BAFFLES/TEES INSPECTED; TANK PUMPED IF NECESSARY



LOT
Site Plan

Conditions for Installations in fine soils

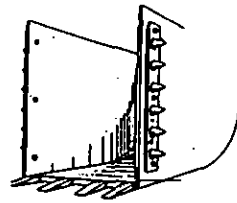
This attachment constitutes special conditions for permit # 98-92, and must be provided along with the approved plot plan to the septic system installer.

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.

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: [Signature] Date: 10-20-98

Health Authority: Jim Evans, S.I.T. Date: Oct. 20, 1998

For Departmental Use Only:

SCORE: 96

Name Chris Bown

Address 130 Grandview Way

MSLA, MT 59803

Phone 406-251-3068

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. 0.5 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.
 - ☒ C. 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.)

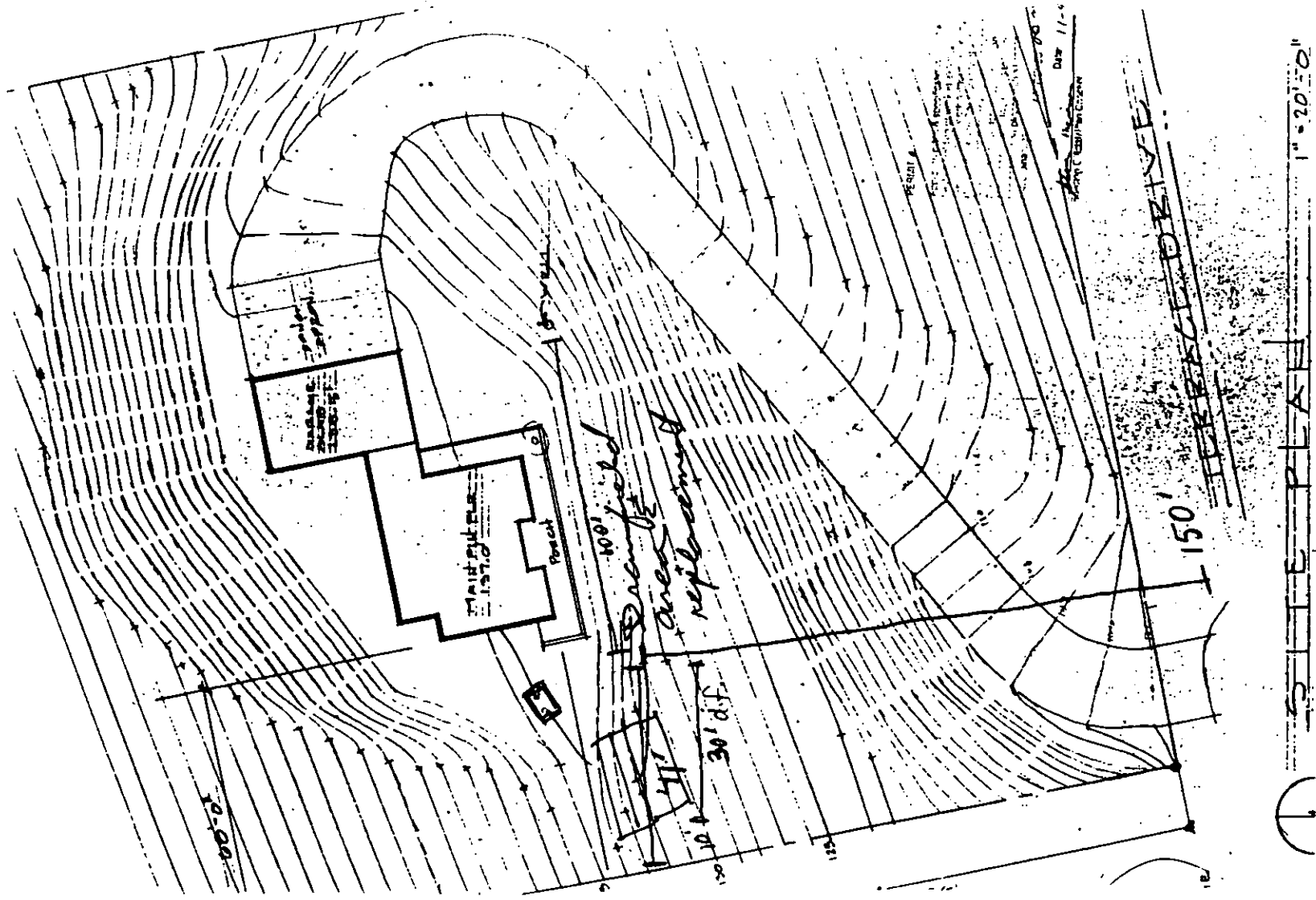
From:	To:	Septic Tank	Drainfield
31-32.) Well		<u>50</u>	<u>100</u>
33-34.) 100-year Floodplain		<u>10</u>	<u>100</u>
35-36.) Foundation Walls		<u>10</u>	<u>10</u>
37-38.) Property Lines		<u>10</u>	<u>10</u>
39-40.) Surface Water		<u>100</u> ⁵⁰	<u>100</u>
41-42.) Water Lines		<u>10</u>	<u>10</u>

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 course 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 |

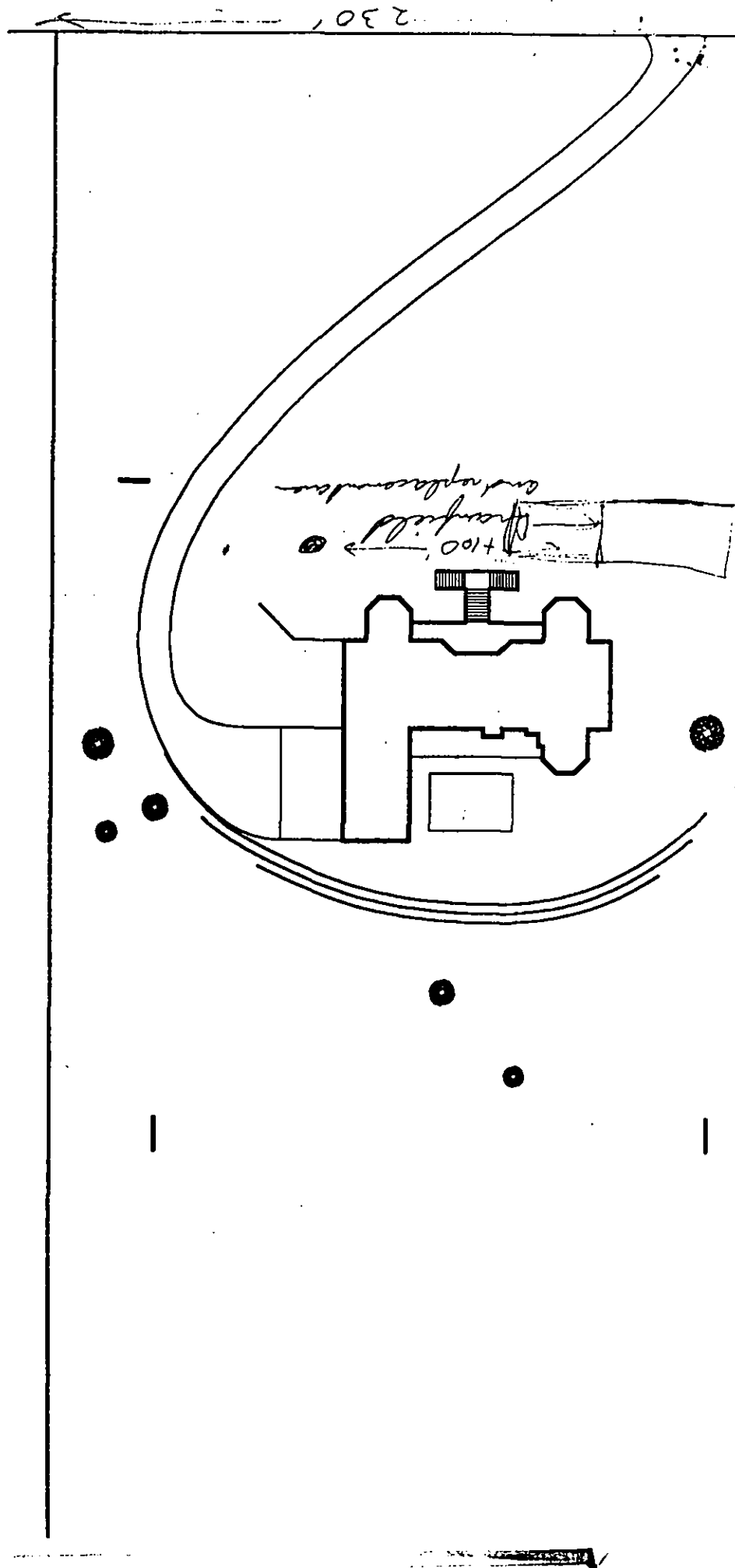
Fill in the Blank

48. Drainfield lines should not slope more than 150 %.
49. Pipe from a building to a septic tank must lie on a slope of not less than 1/4 inches per foot.
50. Primary sewage treatment uses a Barthes septic tank to induce the settling of solids and treatment by anaerobic bacteria.



STEPLA 1" 20" 0"

2301



SITE EVALUATION REPORT

24Applicant Trimbaglia 330 Ray A.Phone: 251-5011Description: T 12 R 19 S 18, NE Qtr of the NW Qtr.Division or COS WY₂ Lot 4 South Meadows Address of site Terrace
(if any)of lot or parcel 2.5 acres

Distance to nearest well, irrigation ditch, or surface water _____

Notes: _____

PROFILE:

Depth	Thickness	Texture	Structure	Color	Other Features
3"	3"	organics	none	dk brown	
93"	93"	sand	none	gray	sand, coarse w/ gravel
10"	10"	clay	none	gray	w/ rock
120"		clay			layered w/ sand

Description, 18 - 36" sandSize of lot at site: 15 *

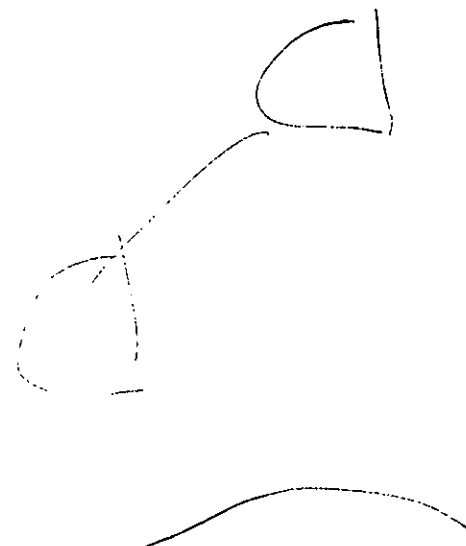
Features: _____

Recommendations: Use 1.2 g / ft² / day ratewell ~~150'~~ 150' from road150' DK 10-19-93Site approved for septic system ☒ Yes ☐ No

Given to Applicant _____

* Evaluation conducted by [Signature] on 10, 13 1993

Indicates information required for data entry



BUILDING DIVISION
YOUR SAFETY-HEALTH
CITY OF MISSOULA
DATE 05.29.98 FRE
BUILDING \$1231.00
TOTAL \$1231.00
CHECK \$1231.00
CLERK 1 NO. 010767
TIME 10:34 0000

BUILDING PERMIT

CITY OF MISSOULA
BUILDING DIVISION
35 RYMAN STREET
MISSOULA, MT
(406) 523-4629

ADDRESS: 2965 TERRACE DR
MISSOULA, MT

PERMIT NUMBER: B98-1683
DATE ISSUED: 05/29/98
EXPIRATION DATE: 11/25/98

LOT 4 BLOCK
PERMISSION IS HEREBY GIVEN TO:

SUBDIVISION CITY

-OWNER-
BOWN, DAVID & MARILYN
130 GRANDVIEW WAY

-CONTRACTOR-
OWNER

MISSOULA, MT 59803
406/251-6003

MISSOULA, MT
406/ -

PROJECT DESCRIPTION:

NEW SF RES/ATT GARAGE/COVERED PORCH/SETBACKS FRONT & REAR
25/SIDES 15/VN/R-3

NATURE OF WORK: BUILDING

This permit is issued on the express condition that the above work shall conform in all respects to the statements certified to in the application for such permit, and that all work shall be done in accordance with all applicable zoning, health, fire, building, electrical, plumbing and mechanical ordinances of the City of Missoula and the State of Montana.

I or we further agree to abide by the applicable conditions. I or we certify that we have read and understand the requirements of this permit and that all statements made by us in securing this permit are true and complete to the best of our knowledge.

-BUILDING PERMIT BECOMES NULL AND VOID IF WORK OR CONSTRUCTION AUTHORIZED IS NOT COMMENCED WITHIN 180 DAYS, OR IF CONSTRUCTION OR WORK IS SUSPENDED OR ABANDONED FOR A PERIOD OF 180 DAYS AT ANY TIME AFTER WORK IS COMMENCED.
-ELECTRICAL PERMIT IS VALID FOR 1 YEAR FROM THE DATE OF ISSUANCE.
-PLUMBING PERMIT IS VALID FOR 180 DAYS FROM THE DATE OF ISSUANCE. (UPC 30.3)
-MECHANICAL PERMIT IS VALID FOR 180 DAYS FROM THE DATE OF ISSUANCE. (UMC 114.4.1)

PROJECT VALUATION: 268,463

NOTE: ALL INSPECTIONS MUST BE CALLED
IN AT LEAST 24 HOURS IN ADVANCE.

PERMIT FEE: 1,231.00
ADDITIONAL FEE: 0.00

TOTAL FEE: 1,231.00
PAID TODAY: 1,231.00

AUTOMATED BUILDING INSPECTION REQUEST
SYSTEM (CONNECT): (406) 523-4644
*** PAMPHLETS AVAILABLE IN OFFICE ***

CASH/CHECK NO.: 1645
RECEIPT NUMBER: 10767