PROPERTY #2- INTERIOR PHOTOES-300 THREE MILE DRIVE, KALISPELL, MT

Kitchen

Dining area off the kitchen.

Fireplace in main living room.

Living room

Front door-main entrance.

Main floor bathroom

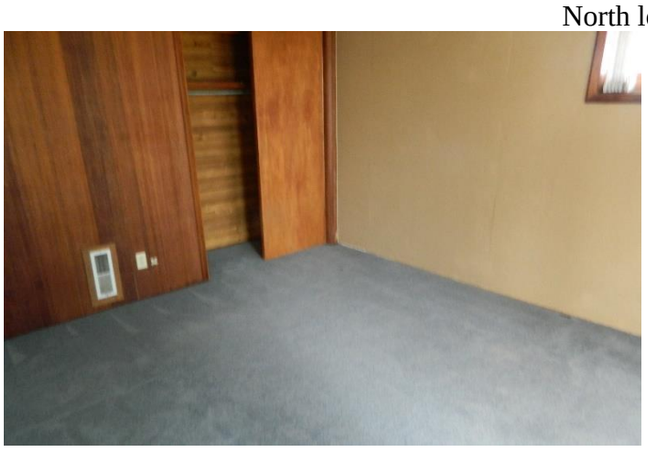
Laundry room

Master bedroom on main floor.

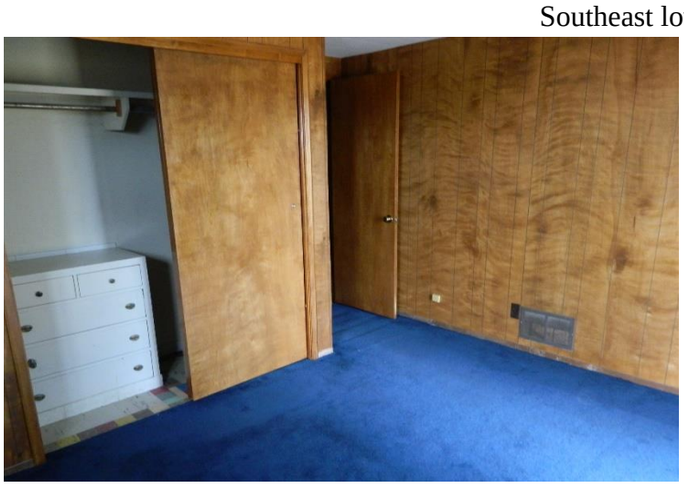
PROPERTY #2- INTERIOR PHOTOES-300 THREE MILE DRIVE, KALISPELL, MT

Downstairs family room with fireplace

North lower bedroom



Southeast lower bedroom



Storage room

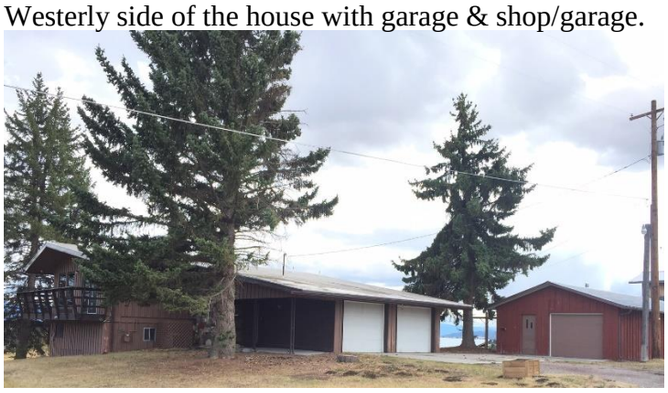
Bathroom Lower level

PROPERTY #2- INTERIOR PHOTOES-300 THREE MILE DRIVE, KALISPELL, MT

Attached garage

PROPERTY #2- EXTERIOR PHOTOES-300 THREE MILE DRIVE, KALISPELL, MT

Westerly side of the house with garage & shop/garage.



Northerly side of the house.

Easterly side of the house.

Loafing shed, hay pole barn and back of shop/garage.

Facing northeast-entrance into house

Facing northeast-NE corner of the house.

Facing south- detached shop/garage

Facing northwest- driveway

Septic System Permit

Flathead City-County Health Department
Environmental Health Services
1035 1st Avenue West, Kalispell, MT 59901
Phone: (406) 751-8130 / Fax: (406) 751-8131

Permit Number: 14-6808-R
Site Eval Receipt Fee Waived
Date Issued: 9-30-14
Zone: 6
Date Recorded: 08/07/2014

1. Legal Description: Co. Assess. Tr.# Kal By Pass **Sec** 12 **Twp** 28 **Rng** 22
Subdiv. Name: **Lot:** **Block:**
COS #: **Parcel Size:** 1.58 **acres**
Name/EQ:
Property Address: 300 THREE MILE DR KALISPELL MT 59901

RECEIVED
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TRANSPORTATION PLANNING

2. Legal Property Owner State of Montana Department of Transportation
Address and Phone 2701 Prospect Ave/ P O Box 201001, Helena MT 59620-1001

3. Authorized for: Replacement **Existing Structure:** Home
4. Structure: Existing Structure Unknown **Specify:**
5. System Use: Individual
6. Occupancy Type: No. of Bedrooms **#:** 3 **Other Permits:**
7. Water Supply: Individual **Public:**
8. Nitrates: **Source:** WELL
9. Soil Type: Sandy Loam **How Determined:** T.H.
10. Depth to Groundwater Table/Bedrock: >84 **inches** **How Determined:** T.H.
11. Classification: 1 **Septic Tank Size (gal- min):** 1000/500 **Absorption Area (sq ft):** 583
Permit Fee: $ 235.00
12. Drainfield Description:

Follow the plans and specifications prepared by A 2 Z Engineering, dated 9/4/2014. Any changes from the plans must be approved by the engineer and Flathead City/County Health Department (FCCHD).

The engineer and a repersentative from FCCHD must be present for the inspection and a clear- water pump test.

Within 10 days after inspection and prior to final approval of the project by FCCHD, the engineer shall provide one complete set of as-built drawings and a written certification that the project was completed as shown therein.

Follow plans carefully and be sure of all County septic system regulations prior to installation.

NOTE: Minimum well separations = 50 feet to solid lines and septic tank and 100 feet to drainfield.

Richard T. Montgomery

09/04/2014 Richard T. Montgomery P.E.
Date **Signature Authorizing Approval of Permit**

* These requirements establish the MINIMUM STANDARDS for this septic system installation. The permit will be voided and declared invalid if the system is not installed within 12 months. The issuance of this permit authorizes construction of the septic system and requires the installation comply with the FLATHEAD COUNTY REGULATIONS FOR SEWAGE TREATMENT SYSTEMS (FCRSTS). The permit will be void if the system is not utilized as intended within three (3) years of installation. The property owner is responsible for operating and maintaining the system in accordance with FCRSTS. Failure to comply with these regulations may result in revocation of this permit. This permit does not constitute a design and does not bind or obligate this office to guarantee the performance of the system. This permit shall be given to the installer prior to construction. The owner shall give 48 hours advance notice for the required inspection of the system. Please call 751-8130.

LAYOUT

GPS Location: North **Deg.** , **West** **Deg.** ,

Water source developed at time of inspection? YES X NO ____ Distribution YES X NO ____

Disapproved/Date _____ Comments _____

Approved/Date 10/1/2014 Comments SEE AS-BUILTS SUBMITTED BY A27 ENGINEERING, MATT NERDIG, PE, DATED 2-10-2015

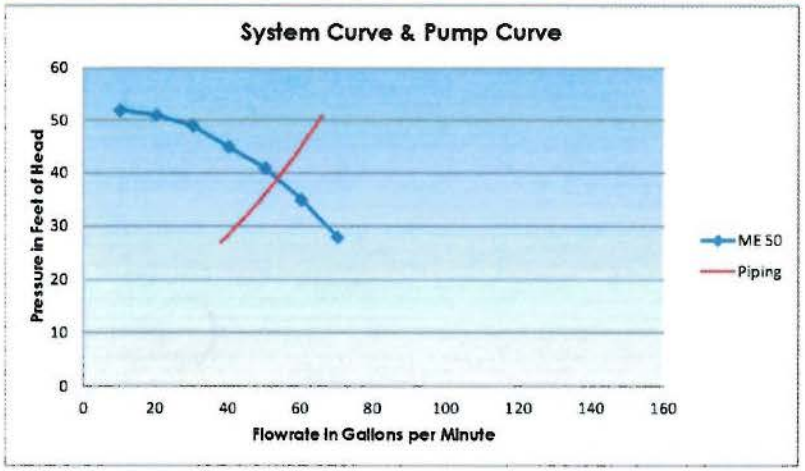
Inspectors Signature Wendy Jacobs Name of Installer/Phone Mike Maury 250-2915

Replacement Septic System - 300 Three Mile Drive

a project located within the boundaries of

Flathead County, Montana

Septic System Calculations					
Project Name:	Three Mile Septic				
County:	Flathead				
Date:	July 16, 2014				
Designed by:	Mark Sanders, A2Z Engineering PLLC				
Daily Flowrate:	350	gal/day	Supply Pipe Length:	135	feet
# of Zones in Lateral Field:	1		Supply Pipe Size:	2.00	inches
Sewage Flow per Zone:	350	gal/day	Manifold Pipe Size:	2.00	inches
Application Rate:	0.60	gpd/ft^2	Manifold Type:	Center	
Ground Elevation at Tank:	3040	feet	Lateral Pipe Size:	1.50	inches
Ground Elevation at Laterals:	3050	feet	Number of Laterals/Zone:	3	
Plastic Infiltrators:	No		Length Each Lateral:	66	feet
Dosing Volume:	114	gallons	Orifice Size:	0.188	inches
Pump Chamber Dosing Rise:	8.98	inches	Orifice Spacing:	5.00	feet
Pump Chamber Emergency Rise:	6.90	inches	Number of Orifices:	40	



Location Map:
Not to Scale

Design Engineer:
Drawn by: Mark Sanders
Reviewed by: Robert Smith, Montana PE #12592
A2Z Engineering, PLLC
138 East Center Street, Ste A, Kalispell, MT 59901
406.755.7888 phone 406.755.7880 fax
Email address: msanders@a2z-engineering.com

General Notes:

1. It is contractor's responsibility to verify the presence, location and depth of all existing utilities as needed to perform the work. It shall be the contractor's responsibility to protect the utilities from damage. Contractor shall call (800) 551-8344 or (406) 755-UDIG (8344) within Flathead and Lincoln Counties. In all other areas, contractor shall call (800) 424-5555.
2. Property pins found within the construction area shall be preserved. If a monument is disturbed, the contractor shall replace the monument at their expense.
3. Trenching and excavation can be hazardous. Contractor shall take all necessary precautions to protect workers and comply with the Occupational Safety & Health Administration's established standards for such work, found in 29 CFR Part 1926 subpart P.
4. All necessary permits shall be obtained by contractor.
5. All public improvements shall be constructed and tested in accordance with the latest edition of the Montana Public Works Standard Specifications. The construction plans are intended to work in conjunction with the above mentioned standards.

Project Sheet Index:

Sheet C1 ..... Cover Sheet
Sheet C2 ..... Site Layout
Sheet C3 ..... System Layout
Sheet C4 ..... Tank System Details
Sheet C5 ..... Manifold & Trench Details
Sheet C6 ..... General Notes
Sheet C7 ..... Pump Sheet ME-50

MONTANA
MATT NERDIG
No. 17074 PE
LICENSED
PROFESSIONAL ENGINEER

Revisions:

Drwn by: M Sanders
Chkd by: M Nerdig

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Phone (406) 755-7888
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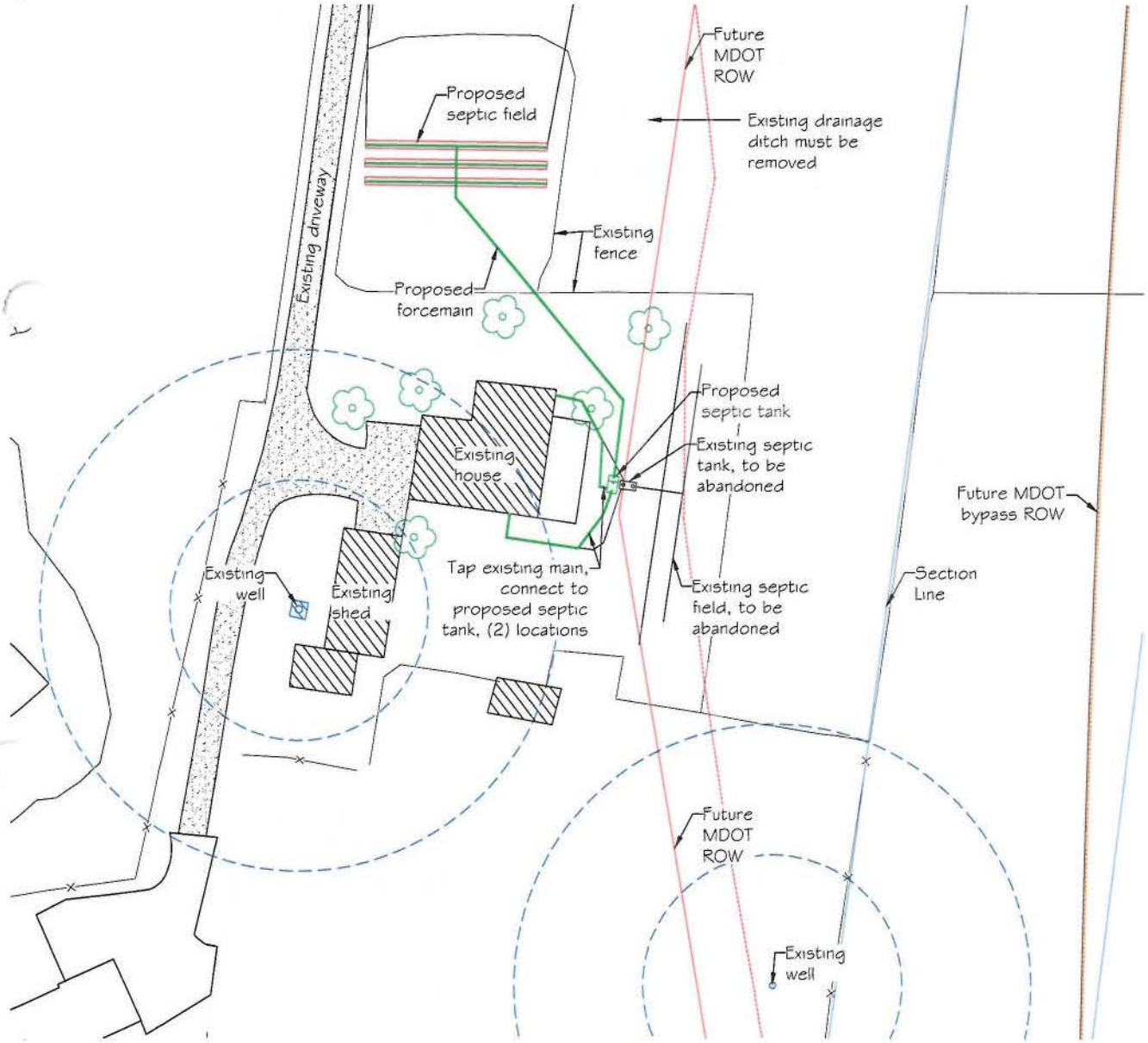
300 Three Mile Dr.
Replacement Septic System
Cover Sheet
Kalispell, Montana

Plan Sheet Number:

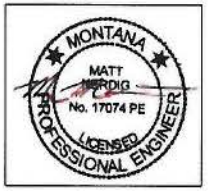
C1



Legal Description:
Tract 1 of COS No. 12548 located in NW¼ NW¼ of Section 12, Township 28N, Range 22W. The physical address is located at 300 Three Mile , Kalispell, MT. Subject to and together with all easements of record.

General Notes:

1. Existing septic field dry wells to be abandoned by filling with dirt. Tank to be abandoned by collapsing it, filling it in with gravel, or removal.
2. Existing 3 bedroom house to be connected to proposed septic tank and field located outside of MDOT Right of Way.



Revisions:
Drwn by: M Sanders
Chkd by: M Nerdig

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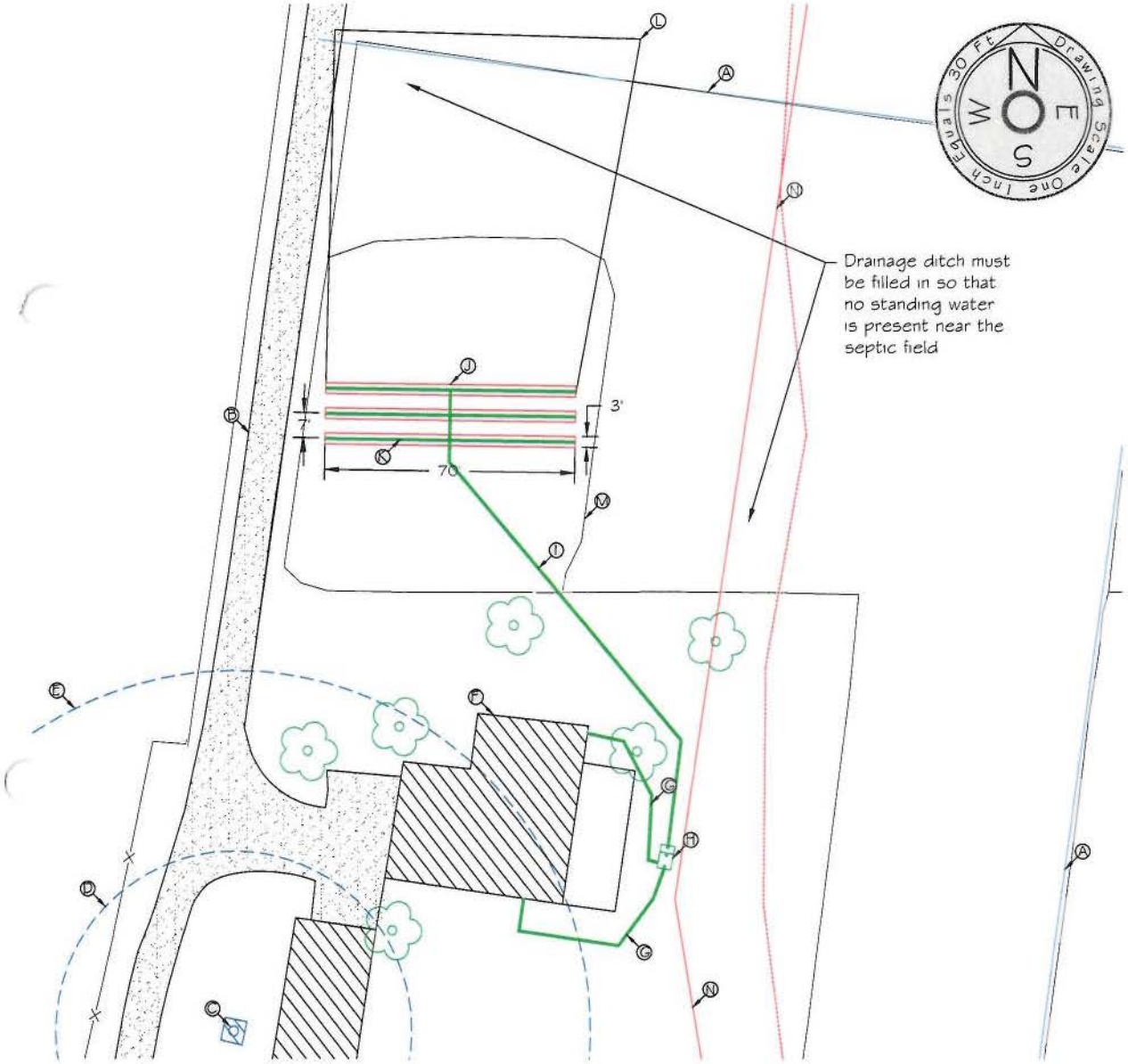
300 Three Mile Dr.
Replacement Septic System
Site Layout
Kalispell, Montana

Plan Sheet Number:

C2



Keyed Notes for Siteplan:

A. Property line
B. Driveway
C. Existing well
D. 50 ft well radius
E. 100 ft. well radius
F. Existing 3 bedroom home
G. Connect existing home's septic lines to the new septic tank with 4"Ø sch 40 PVC sloped per note 4 below.
H. Proposed 1000 gallon septic and 500 gallon pump chamber
I. Proposed 130 lineal feet of 2" sch 40 PVC force main from pump to proposed laterals
J. Proposed drainfield (3) 3' wide by 70' with 4' between trenches. Laterals shall be installed per the notes found in this plan set. See note 7 below
K. Proposed (3) 70' long 1.5"Ø sch 40 PVC septic laterals
L. 100 ft. Mixing Zone
M. Existing fence line
N. Future MDOT ROW line

General Septic Notes:

1. All dimensions and locations shown are approximate and do not represent surveyed data. Field verify all locations and dimensions.
2. Bed all pipes and tanks properly to avoid breakage and shifting.
3. Ensure six foot minimum burial depth for all lines under areas that may be driven over or other acceptable means of frost protection.
4. Contractor shall install 4 inch diameter schedule 40 septic lateral sloped at a minimum of 1/4 inch per foot (2%) slope with one clean-out at the home and one for every 50 feet thereafter.
5. Contractor shall install a new 1500 Gallon Septic tank and 500 Gallon pump chamber at the specified location.
6. Install a 2 inch diameter schedule 40 PVC force main from the pump chamber to the drainfield. The first five feet of force main out of the pump chamber must be schedule 80 PVC.
7. Drainfield shall consist of three 70' laterals of 1.5 inch diameter schedule 40 PVC lateral with one 3/16 inch diameter orifice spaced at every 5 feet. Hole shall not exceed 3/16 inch diameter. Hole shall be drilled straight in / out. Even very slight variance in hole diameter will cause changes in pressure. It is the contractor's responsibility to ensure holes are exact in size. See cross-section for drainfield construction details on sheet C5.

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300 Three Mile Dr.
Replacement Septic System
System Layout
Kalispell, Montana

Plan Sheet Number:

C3

Septic Tank & Pump Chamber Notes:

- The tank section shown on this page may not be representative of the actual size or dimensions of the pump chamber. This detail is intended to provide plumbing & wiring schematics and float switch elevations only.
- Tank size and pump model are specified in other details within this planset. The pump chamber is typically a separate chamber attached to the main septic tank, unless otherwise specified.
- Pump discharge piping shall be 2"Ø.
- All piping inside and within five (5) feet of the septic tank shall be schedule 80 PVC pipe.
- Access to the pump shall be sufficient for maintenance. Risers are recommended on all tanks, and required if the top is more than eight (8) inches below the finished ground surface.
- The riser / access lid over the filter shall be at the finished ground surface.
- Tanks, risers and access lids located in areas with vehicle traffic shall be engineered for standard vehicular loads. A2Z Engineering suggests the use of physical barriers (i.e. landscape boulders, fencing, etc) to protect access lids in non-vehicular areas to prevent accidental vehicle damage.
- Septic tanks / pump chambers should be carefully located so that there is an access route available to pumper trucks / maintenance trucks.

Keyed Notes:

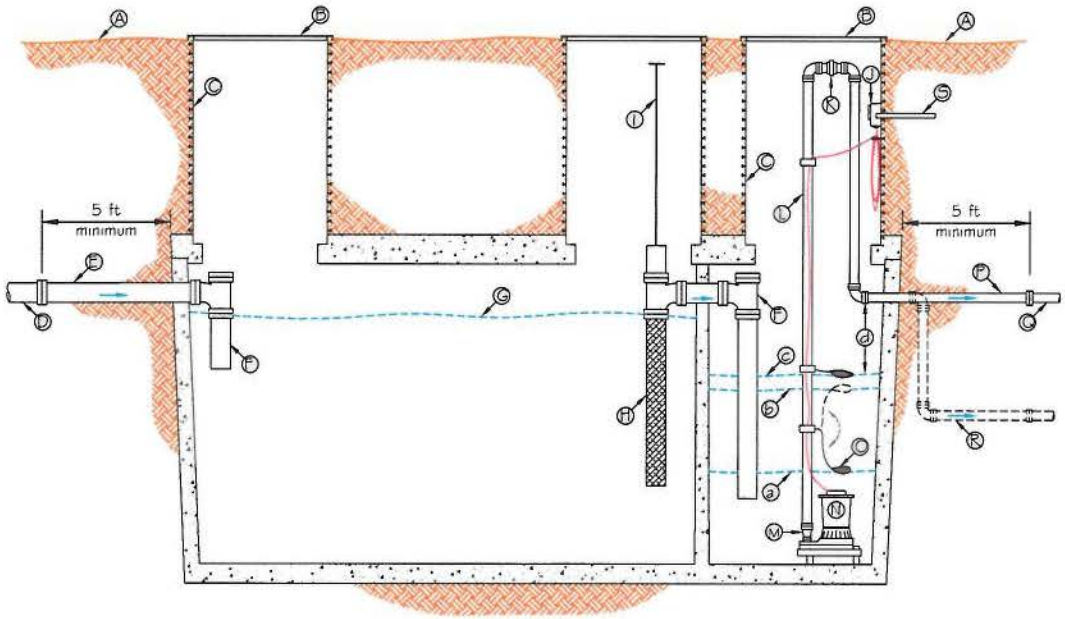
A. Finished grade
B. Typical access lid
C. Typical access riser
D. 4"Ø sch. 40 septic lateral to structure
E. 5 ft 4"Ø sch. 80 pipe
F. Typical 4"Ø baffle
G. Typical septic water level
H. Typical 4"Ø septic filter
I. Filter handle extension
J. Explosion proof electrical junction box
K. 2"Ø sch. 80 PVC union fitting
L. 2"Ø sch. 80 PVC pipe & fittings
M. Reducer fitting, install if necessary
N. Typical effluent pump, ME50
O. Typical float switch
P. 2"Ø sch. 80 PVC piping
Q. 2"Ø sch. 40 PVC piping out to drainfield
R. Alternative piping layout, as necessary to achieve 6 ft bury depth
S. Electrical conduit

Liquid Level Keyed Notes:

a. Pump Off Level, located at least 18" above floor to fully submerge pump
b. Pump On Level, located 16" above Pump Off level
c. Alarm Level, located 2" above Pump On level
d. Emergency Depth, a space for liquid storage, shall be a miminum of 12" located both above Alarm Level and below piping penetrations

Tank Size Notes:

- Both the septic tank and pump chamber shall be approved manufactured pre-cast concrete type, meeting all MDEQ State Circular 4 and county regulations.
- Septic tanks shall have a minimum working capacity of 1500 gallons
- Pump chamber shall have a minimum working capacity of 500 gallons



Septic Tank & Pump Chamber Detail
Not to Scale

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Revisions:

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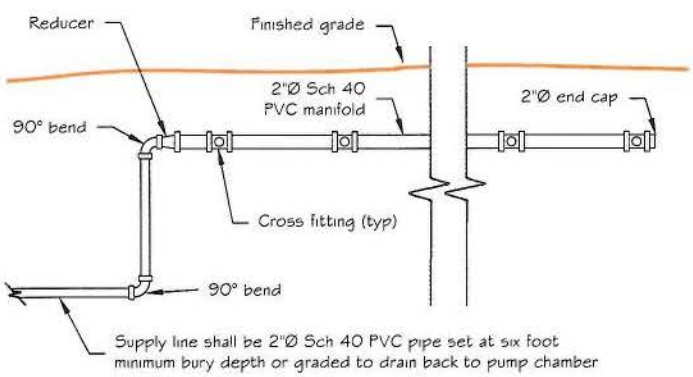
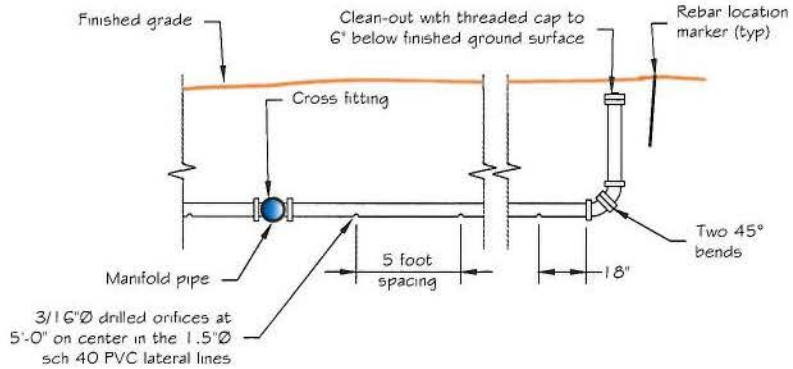
300 Three Mile Dr.
Replacement Septic System
Tank System Details
Kalispell, Montana

Plan Sheet Number:

C4

Typical of Manifold Section
Not to scale

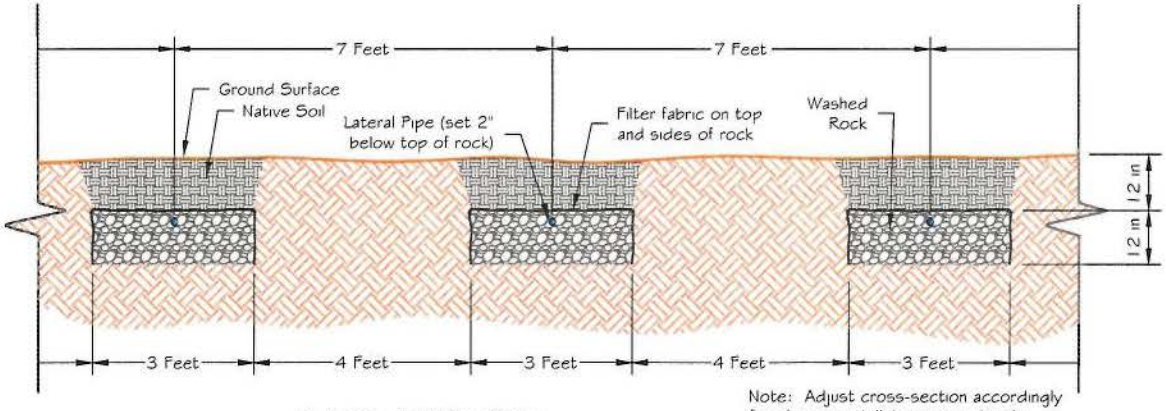




Typical of Lateral Section
Not to scale

Standard Trench Installation Notes:

1. Excavate and level installation areas.
2. Scarify surface to remove any smearing caused during excavation.
   Place washed drain rock per county's standard details.
   Install universal end cap and secure in place with backfill. Place washed drain rock per county's standard details.
5. Using a light tracked machine, cover trenches to a minimum of 12 inches after consolidation for H-10 applications and with 18 inches minimum cover after consolidation for H-20 applications. Avoid large rocks or debris in cover material. A well graded, crushed gravel and careful compaction is recommended for H-20 installations.
6. See product specifications.
7. Filter fabric SHALL NOT be placed under drain rock.



Typical Drainfield Cross Section
Not to scale

Note: Adjust cross-section accordingly for sloping installations per site plan.

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PROFESSIONAL ENGINEER

Revisions:
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300 Three Mile Dr.
Replacement Septic System
Manifold & Trench Details
Kalispell, Montana

Plan Sheet Number:

C5

OPERATION AND MAINTENANCE OF THE SYSTEM - SEPTIC TANKS

1. Inspect Filters every 3 months, clean and replace as needed
2. Clean and Pump Tank every 3 years
   - 2.1. Confirm baffles are in place
   - 2.2. Visual inspect Mechanical & Electrical
   - 2.3. Observe and calibrate if necessary pump operation and tank draw down
   - 2.4. Observe and confirm discharge into bed

PIPE INSTALLATION

All pipes shall be bedded six (6) inches above and below the pipe in pipe bedding sand or other fine grained soil free of gravel over one (1) inch in size. Debris, frozen material, large clods, stones (greater than 8 inches in diameter), organic material or other unsuitable materials shall not he used for back fill within 24 inches of the top of the pipe. Compaction under and around the pipe shall be sufficient to prevent movement of the pipe due to settlement.

MATERIAL SPECIFICATIONS

1. Pipe and fittings from the dwelling or structure to the septic tank and from the septic tank to the drainfield shall conform to or exceed ASTM D 1785 (schedule 40 or 80) and must be joined by an integral bell-and-spigot joint with rubber elastomeric gasket or solvent cement. PVC pipe shall have a minimum Standard Dimension Ratio of SDR 35, and the compound type shall meet or exceed ASTM D1784.
2. Drain rock must be washed, must range in size from 1 inch to 2-1/2 inches, and must contain no more than 2 percent passing the #8 sieve. The material must be of sufficient competency to resist slaking or dissolution. Gravels of shale, sandstone,or limestone may degrade and may not be used.

ABSORPTION TRENCH INSTALLATION:

When Trenches have been excavated the sides and bottom must be raked to scarify any smeared soil surfaces. Construction equipment not needed to construct the system should be kept off the area to be utilized for the absorption trench system to prevent undesirable compaction of soils. Construction must not be initiated when the soil moisture content is high.

The bottom of the drainfield trenches must be at least 12 inches and no more than 36 inches below the natural ground surface. There must be a minimum of 12 inches of fill or soil material above the drain rock. When the bottom of the trench is less than 24 inches below ground, a cap above the natural ground surface is required. The cap must be tapered from the edge of the outermost trench wall with a 3 horizontal to 1 vertical or flatter slope. The cap must be sloped to provide positive drainage away from the center of the drainfield.

Cleanouts must be provided at the end of each lateral. The cleanouts must be within 6 inches of finished grade and should be made with either a long sweep elbow or two 45 degree bends. A metal location marker must be provided for each cleanout.

SEPTIC TANK INSTALLATION:

Where the top of the septic tank is located more than 18 inches below the finished grade of the ground surface, manhole risers shall be installed, extending to within eight inches of the finished grade, to facilitate inspection and cleaning of each compartment in the tank. The riser pipe shall be of sufficient size to provide access to each compartment for inspection and sludge removal.

Sealing material shall be placed around any pipe where it enters or exits the tank to assure that no leakage occurs. Hydraulic grout is preferred however oakum and tar, tar strips, or similar materials are acceptable if used properly.

The septic tank must be installed level and on a flat bedding material free of an organic material, debris, rocks, cobbles, stones or gravel greater than 1" in diameter.

SEPTIC TANK TESTING

1. All tanks must be watertight. Water tightness testing for a concrete tank maybe conducted using a water test. Water tightness testing for a polyethylene tank may be conducted using a water test, a vacuum test, or a pressure test.
2. Water testing must be conducted by sealing the outlets, filling the septic tank to its operational level, and allowing the tank to stand for at least 8 hours. If there is a measurable loss (2 inches or more), refill the tank and let stand for another 8 hours. If there is again a measurable loss, the tank must be rejected.
3. Vacuum testing must be conducted by sealing all inlets, outlets, and accesses, then introducing a vacuum of 4 inches of mercury. If the vacuum drops in the first 5 minutes, it must be brought back to 4 inches of mercury. If the septic tank fails to hold the vacuum at 4 inches of mercury or 5 minutes, the tank must be rejected.
4. For pressure testing a tank, all inlets, outlets, and access ports most be sealed and adequately secured. The tank must be charged with 3 PSIG. Allow tank pressure to stabilize. Disconnect the air supply. If there is any noticeable pressure drop in 1 hour, the tank must be rejected or repaired. Repeat the test after repair, release air carefully through an appropriate mechanism.

PRE-INSTALLATION TASKS

1. Locate all existing drainfields, septic tanks, and gravity lines. Note location and provide to engineer of record.
2. Locate all existing dry and wet utilities.
3. Completely remove or crush and completely fill all existing septic tanks.

INSTALLATION SEQUENCE

The following installation sequence and sign offs shall be followed during the construction:

1. Excavate for new systems, install tanks and pumps.
2. Install bed piping and forcemains.
3. Squirt test systems.
4. Engineer and FHC must observe and certify.
5. Test float operation by filling tanks and pump chambers with clear water for one pump cycle.
6. Disable Pump power and test alarm function.
7. Engineer and FHC EH must observe and certify.
8. Finalize bed piping and cover.
9. Engineer to inspect before backfilling.

START UP PROCEDURE

The following start up procedure shall be followed.

1. Fill septic tank with clear water.
2. Check pump ready status.
3. Verify all alarms are operational and in a visible location.
4. Begin use.

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PROFESSIONAL ENGINEER

Revisions:

Drwn by: M Sanders
Chkd by: M Nerdig

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300 Three Mile Dr.
Replacement Septic System
General Notes
Kalispell, Montana

Plan Sheet Number:

C6

ME SERIES

1/2 through 1-1/2 HP
Effluent Pumps

Double Seal

Single Seal

THE MYERS ME SERIES EFFLUENT PUMPS ARE DESIGNED SPECIFICALLY FOR TODAY'S EFFLUENT PRESSURE DISTRIBUTION MOUNDS, TRENCHES AND HIGH FLOW DRAINAGE APPLICATIONS. The ME series effluent pumps with their efficient two vane, enclosed impeller, provide the ideal performance for optimum drainage. ME Series pumps are constructed of only corrosion resistant materials like cast iron, stainless steel and thermoplastics to ensure that they will perform year after year in the harsh effluent environment and drainage applications. For more information, call your Myers distributor today or the Myers Land Drainage Office at 419-289-1144.

ADVANTAGES BY DESIGN

IDEAL FOR USE IN MOUND AND TRENCH PRESSURE DISTRIBUTION SYSTEMS

- High efficiency, two vane, enclosed impeller provides ideal performance for most effluent drainage
- Impeller passes full 1-inch solids
- Enclosed impeller design eliminates possibility of clogging or corrosion between impeller and volute

DURABLE MOTOR WILL DELIVER MANY YEARS OF RELIABLE SERVICE

- Oil filled motor for maximum heat dissipation and maximum bearing lubrication
- High torque, permanent split capacitor (PSC) single phase motors. No starting switches or relays to wear out
- Optional seal leak probe warns of seal wear [illegible] (Dual seal models only) [illegible] power cord, motor drainage
- Motor has low winding current and longer life [illegible] (Single phase only)

THE ME SERIES EFFLUENT PUMPS ARE DESIGNED FOR YEARS OF MAINTENANCE FREE OPERATION

- Volute seal ring is replaceable. Restores pump to original performance if wear should occur
- Motor is held in place by 4 screws. Easily removed if service is ever needed

PRODUCT CAPABILITIES

Capacities To	US GPM	[illegible] LPM
Heads To	[illegible] ft	[illegible] m
Max Operation Depth	[illegible]	[illegible] m
Liquids Handled	Domestic effluent & similar water	
Intermittent Liquid Temp	[illegible] °F	[illegible] °C
Motor Service Data	[illegible] volts, 1 ph [illegible] volts, 1 ph [illegible] volts, 1 ph [illegible] volts, 1 ph [illegible] volts, 1 ph [illegible] volts, 1 ph [illegible] volts, 1 ph oil filled, permanent split capacitor 1/2 thru 1 1/2 hp, 3450 rpm, 60 Hz	
Motor Insulation	Class F [illegible] °C	
Rated Duty Approvals	UL, CSA	
Acceptable UL Range	[illegible]	
Operation Frequency	[illegible]	
Housing	[illegible]	
Discharge NPT	[illegible] in	[illegible] mm
Max Solids Size Passed	[illegible] in	[illegible] mm
Duplex	[illegible]	[illegible] mm
Construction Materials		
Motor Housing, Volute	Cast iron, Class 30, ASTM A48	
Removed Parts Plate		
Impeller - Material	Engineered thermoplastic	
Impeller - Diameter	[illegible]	
Impeller Wear Ring	[illegible]	
Volute Sealing Ring	[illegible]	
Shaft	[illegible]	
Power Cord		
[illegible]	[illegible] SOW/SJOW/SJOW-A	
[illegible]	[illegible] SOW/SJOW/SJOW-A	
[illegible]	[illegible] SOW/SJOW/SJOW-A	
Seal Leak Sensors - Standard	single [illegible] & Ceramic	
Optional	[illegible] carbon & ceramic	
Seal Leak Probe	Tungsten carbide	
Replacements	[illegible] Series [illegible]	

WHERE INNOVATION MEETS TRADITION

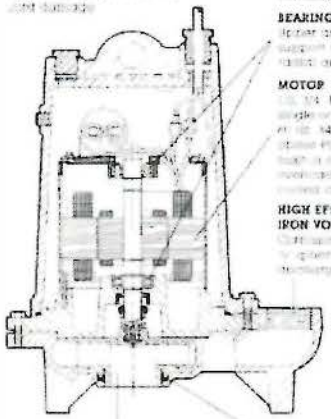
Myers
Pentair Pump Group

ISO 9001 Registered Quality System

ME SERIES

1/2 through 1-1/2 HP
Effluent Pumps

POWER CORD
[illegible]



MOTOR HOUSING
[illegible]

BEARINGS
[illegible]

MOTOR
[illegible]

HIGH EFFICIENCY CAST IRON VOLUTE
[illegible]

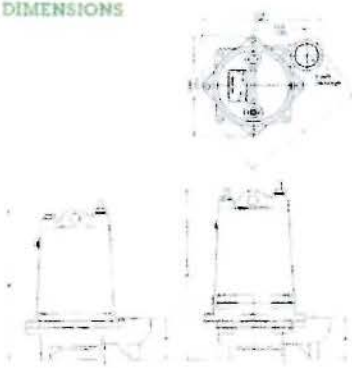
ENCLOSED TWO VANE IMPELLER
[illegible]

VOLUTE/IMPELLER SEAL RING
[illegible]

SHAFT SEAL(S)
[illegible]

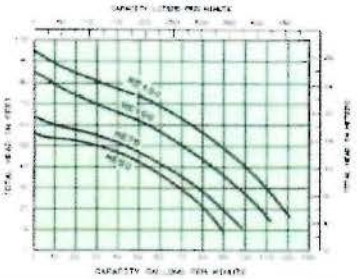
SEAL LEAK PROBES
[illegible]

DIMENSIONS



Motor Series	A	B	C	E
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

PERFORMANCE CURVE



[illegible]
Printed in U.S.A.

Myers
Pentair Pump Group

F.E. Myers, 3101 Myers Parkway, Ashland, Ohio 44805-1969
419 289 1144 FAX 419 289-6028 www.femyers.com
Myers (Canada) 205 Trillium Drive, Kitchener, Ontario N2G 4W6
519 744-8445 FAX 519 744-6551

MONTANA
MATT NORDIG
No. 17074 PE
LICENSED
PROFESSIONAL ENGINEER

Revisions:
Drwn by: M Sanders
Chkd by: M Nerdig

A-2-Z Engineering PLLC
Kalispell, Montana
138 E. Center Street, Ste A
Kalispell, MT 59901
Phone (406) 755-7888
A2Z-Engineering.com

300 Three Mile Dr.
Replacement Septic System
Pump Sheet ME-50
Kalispell, Montana

Plan Sheet Number:

C7

SEPTIC SYSTEM PERMIT

FLATHEAD CITY-COUNTY HEALTH DEPARTMENT

Environmental Health Services
723 5th Ave East, Kalispell, MT 59901

4/15
11:00

17

Number 96-~~1~~25 R
Site Eval. Receipt 96-1519
Date Issued 1-10-96
Zone 1
Date Recorded 1/8/96

1. Legal Description: **Co. Assess. Tr.#** 3CA **SEC:** 12 **TWP:** 28 **RNG:** 22
Subdiv. Name _____ **Lot** _____ **Blk.** _____
COS # 5597 **Parcel Size** 2.5 **acres**
Property Address 300 Three Mile Drive, Kalispell

2. Michael and Katherine Fraser — same, 752-4257
Legal Property Owner — **Address and Phone**

3. Authorization for: New ☐ Replacement of ☒ Alteration/Repair of ☐ Septic System.

4. Proposed Structure: Conv. Sing. Fam. ☐ Mob. Home ☐ Multi-fam. (specify) _____
Commercial (specify) _____ Other (specify) _____

5. No. of Bedrooms 3 or No. of Occupants _____ Existing Structures House

6. Water Supply: Indiv. ☒ Multi-user ☐ Public (name) Indiv Source Well

Evaluator's Comments:

7. Soil Type: Sandy Loam **How Determined:** Avail data

8. Depth to Groundwater Table/Bedrock > 7 ft. **How Determined:** Avail data

System Specifications:

9. Classification 1G **Septic Tank Size** 1000 **gallons (min)** **Absorption Area** 450 **ft**

10 Drainfield

Existing tank must be pumped and then crushed in place and/or filled with an inert material.
Proposed drainfield location is acceptable. Fence from livestock after completion, if applicable.
All water lines must be accurately located and maintain minimum10 ft. separation to all components of the sewage treatment system

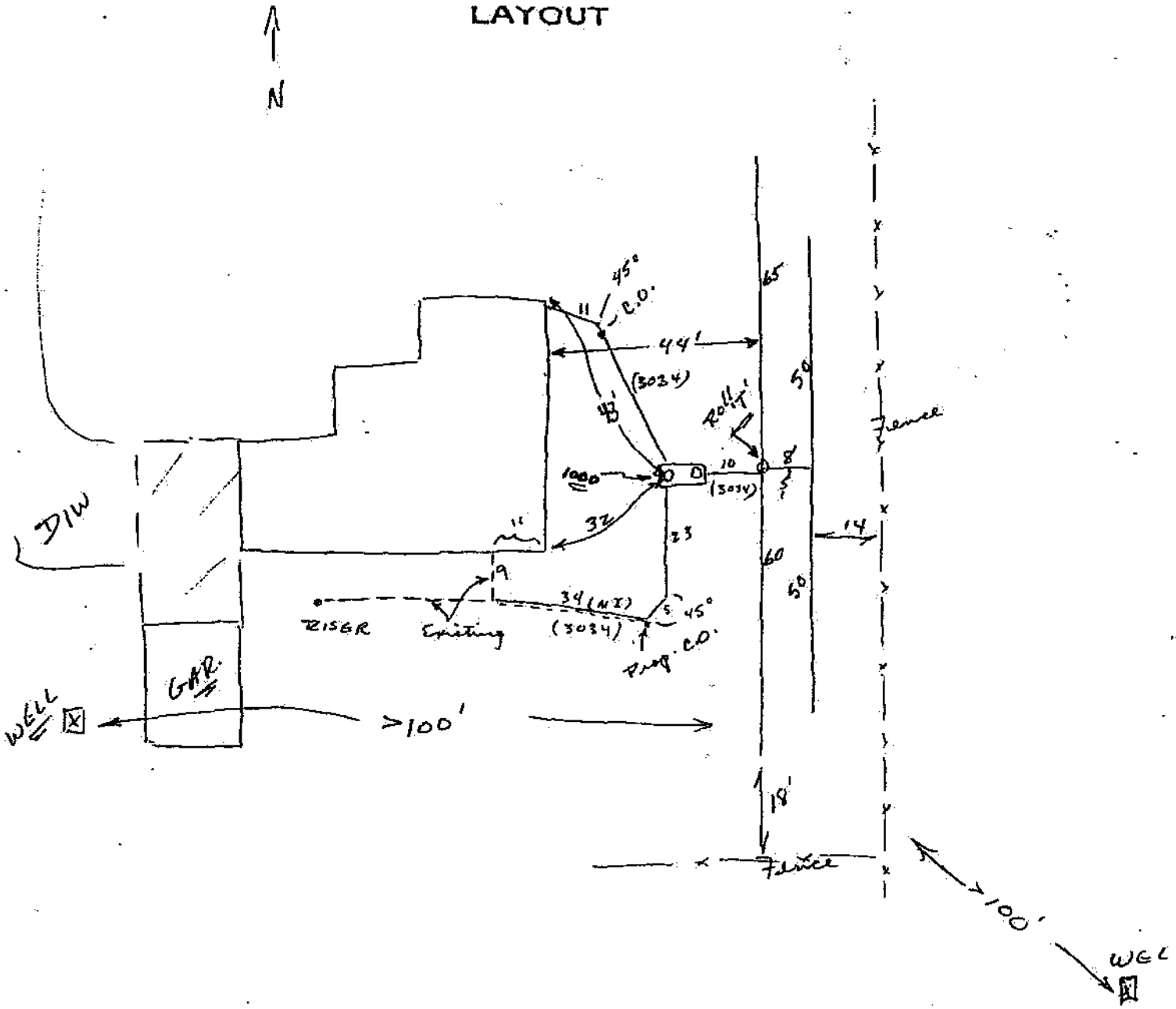
Use 225 lineal feet of perforated pipe in two foot wide trenches. Maximum trench depth not to exceed 36 inches below natural grade. Perforated pipe and trench bottoms are to be level. No single drainfield lateral may exceed 80 feet from point of effluent entry. Be sure of gravity fed terraced design standards and all other County Regulations prior to beginning installation. Keep drainfield as far upslope as possible. Recommend using a two level, center entry teraced design

1/10/96 — Jim Murrell, R.S. — Jim Murrell
Date — **Signature Authorizing Approval of Permit**

* These requirements establish the minimum specifications for this septic system installation. The permit will be voided and declared invalid if the system is not installed within 12 months for class 1, 2, and 4 or 24 months for class 3 and 5 systems. Th issuance of this permit authorizes construction of the septic system and requires the installation comply with the FLATHEAD COUNTY REGULATIONS FOR SEWAGE TREATMENT SYSTEMS (FCRSTS). The property owner is responsible for operating and maintaining the system in accordance with FCRSTS. Failure to comply with these regulations may result in revocation of this permit. This permit does not constitute a design and does not bind or obligate this office to guarantee the performance of the system. This permit shall be given to the installer prior to construction. The owner shall give 24hours advance notice for the required inspection of the system. Please call 758-5760.

Number

LAYOUT



Water source developed at time of inspection? YES ☒ NO ☐ Distribution system? YES ☒ NO ☐

Disapproved/Date _____ Reason _____

Approved/Date 4/15/96 Comments 225LF x 2 = 450 ft²

Glen Gray
Inspector's Signature

Battee Excavating
Name of Installer

STATE OF MONTANA
DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION
1424 9TH AVENUE P.O.BOX 201601 HELENA, MONTANA 59620-1601

GENERAL ABSTRACT

This is an Exempt Notice. An Exempt Notice does NOT establish a water right or priority date. You have the opportunity to file a claim on this water right until June 30, 2019. You are not required to file a claim. If you don't file a claim, your right to use water will be subordinate (junior) to all other filed water rights. Contact your regional office for additional information.

Water Right Number: 76LJ 38100-00 EXEMPT NOTICE
Version: 1 -- ORIGINAL RIGHT
Version Status: ACTIVE

Owners: MONTANA, STATE OF DEPT OF TRANSPORTATION
REAL ESTATE SERVICES SECTION
PO BOX 201001
HELENA, MT 59620-1001

Priority Date: NOVEMBER 29, 1969
Enforceable Priority Date: NOVEMBER 29, 1969

Purpose (use): DOMESTIC
Maximum Flow Rate: 99.00 GPM
Maximum Volume: 1.50 AC-FT
Source Name: GROUNDWATER
Source Type: GROUNDWATER

Point of Diversion and Means of Diversion:

ID	Govt Lot	Qtr Sec	Sec	Twp	Rge	County
1		NWNW	12	28N	22W	FLATHEAD

Period of Diversion: JANUARY 1 TO DECEMBER 31
Diversion Means: WELL

Purpose (Use): DOMESTIC
Households: 0
Volume: 1.50 AC-FT
Period of Use: JANUARY 1 to DECEMBER 31

Place of Use:

ID	Acres	Govt Lot	Qtr Sec	Sec	Twp	Rge	County
1			NWNW	12	28N	22W	FLATHEAD

Remarks:

EXEMPT NOTICE INFORMATION

A PERSON EXEMPT FROM FILING IN THE ADJUDICATION PURSUANT TO § 85-2-222, MCA, AND WHO FILED A FORM 627 (NOTICE) WITH THE DNRC WAS THEREAFTER ABLE TO RECEIVE NOTIFICATION FROM THE DNRC OF PERMIT APPLICATIONS, CHANGE AUTHORIZATIONS, OR RESERVATIONS THAT MIGHT AFFECT THE OWNER'S EXEMPT OR OTHER WATER RIGHT(S). FILING OF THE NOTICE AND ACCEPTANCE BY THE DNRC DID NOT CONSTITUTE THE ESTABLISHMENT OF OR CONFIRM THE EXISTENCE OF A VALID EXISTING WATER RIGHT.

OWNERSHIP UPDATE RECEIVED

NOTICE OF WATER RIGHT TRANSFER RECEIVED 02/18/87.

OWNERSHIP UPDATE RECEIVED

OWNERSHIP UPDATE TYPE 608 # 61443 RECEIVED 08/04/2008.

FILE

EXEMPT RIGHT

76LJ

38100

00

Box Bar Code _____

File Bar Code _____

Date/Initials _____

INTERUNIT JOURNAL CODE SHEET

at 10:55 am, Apr 26, 2019

Revised: 12/12/2018

ENTERED BY - Electronic Stamp Section

ENTERED

By Lyn Gicos at 12:54 pm, Apr 26, 2019

APPROVED BY - Electronic Stamp Section

APPROVED

By Jamie Cain at 2:46 pm, Apr 26, 2019

REVIEWED/AUTHORIZED - Electronic Stamp Section

REVIEWED/AUTHORIZED - Electronic Stamp Section

Prepared By: Jennifer Soliday JS **Date:** 4/19/2019

Authorized By: Catherine Ries CR **Date:** 4/19/2019

The signatures above certify that the goods were received.

Fiscal year IUJ will be posted to:

Agency: DNRC

Business Unit: Attn: Water Rights Division

Invoice #: Filing Fee for Statement of Claim for Existing Water Right EXEMPT DOMESTIC USE

Contract/PO #: Water Right #76LJ 38100-00

Project	Agr	CARES Account	Class	WK	Org Unit	SABHRS Account	QTY	UOM	Unit	Track Type	Track Number	SABHRS Fund	SABHRS Sub-cls	Program Year	Amount	Reference Open Item Key
02038	060	9202			059060	64107	1	33				02422	450H1	2019	130.00	Parcel
																56-85
																Hard copy
																of backup
																data will
																be mailed
																to DNRC.
															130.00	