

#1563

SITE PLAN DRAWING AREA

(If additional space is needed, please attached separate drawing.)

Use a straight edge and include all required elements in the site plan drawing.

HOW DO I LAYOUT THE SYSTEM?

1. When you choose an area for the leachfield or trench, be sure the area is at least 100 feet from all wells and springs, 10 feet from all property lines, 25 feet from all buildings, 25 feet from water lines, 10 feet from the septic tank, 15 feet from steep slopes, 50 feet from streams and lakes including streams that are seasonal. If all distances cannot be met, contact the Park County Planning Department.
2. The bottom of the leachfield or trench must be at least four (4) feet above high groundwater. If the depth to groundwater is less than required, contact the Park County Planning Department.
4. The slope in the area should not be over 15% or fifteen (15) vertical feet for every one hundred (100) horizontal. If the slope is greater than 15% or the percolation rate is slower than 40 minutes/inch, contact the Park County Planning Department.

DRAWING THE SITE PLAN?

When preparing a site plan, use black ink and a straight edge. The following items must be shown on the site plan drawing:

1. The location of the septic tank and leachfield or trench.
2. The location of all structures on the property, and wells, streams, irrigation ditches, springs, driveways, parking areas within 200 feet of the leachfield or trench, and the distances from each to the septic tank and leachfield or trench.
3. All property lines within 100 feet of the leachfield or leach trench.
4. North Arrow.
5. The lay out of the leach lines and the length of each line, and a location for a replacement area.

CONSTRUCTION

All construction shall meet or exceed the Uniform Plumbing Code and the Park County Sewage Disposal System Regulations. Some general guidelines include (See regulations for more inclusive list):

1. Building sewer line and the sewer lines to 10 feet on the outlet side of the tank must be 4" Schedule 40.
2. Building sewer line shall slope a minimum of 1/4" per foot and the tank must be level.
3. Distribution lines must be layed level.
4. Straw, geo-fabric, or untreated building paper must be placed over gravel prior to backfilling.

INSPECTIONS

1. Inspections are required. Twenty-four (24) hours notice shall be given to schedule an inspection. The inspector shall have a 2-hour grace period from the time of the scheduled inspection prior to the installer backfilling the system without an inspection. If approval is granted to backfill without an inspection or the inspector fails to inspect, the installer shall submit as-constructed drawings and certify that the system was installed in accordance with all regulations. If backfilled without approval or without permitting the inspector an adequate grace period, the system shall be exposed at installer's expense for inspection.
2. The following shall be completed and available for inspection: building sewer, septic tank, effluent line. Leachfield must be complete to the paper/straw/fabric level. Reinspections will be charged at \$25.00 each.

FOR OFFICE USE ONLY

RECEIPT #: 2404

PERMIT TO CONSTRUCT

PERMIT #: 1563

AUTHORIZED BY: Rob O'Connell

DESIGNATED LOCAL OFFICIAL

DATE OF ISSUANCE: 3/31/97

This Permit To Construct shall be effective for a period of one (1) year from the date of authorization and issuance. Nothing in the Permit to Construct constitutes an endorsement of the design or the construction of the sewage disposal system described in the application. The issuance of the Permit to Construct shall not preclude the institution of any legal action or relieve the applicant, their heirs, successors or assigns, from any responsibilities, liabilities or penalties established pursuant to any Wyoming state law or Park County regulations, and does not convey any property rights in either real or personal property, any exclusive privileges, nor does it authorize any injury to private property or invasion of personal rights, nor any infringement of federal, state or county laws or regulations.

Permit # 1563

PARK COUNTY SEWAGE DISPOSAL SYSTEM

APPLICATION & PERMIT

Park County Planning Department
Park County Courthouse
1002 Sheridan Avenue
Cody, Wyoming 82414
Telephone No.: 587-2204 or 754-5171

PARK COUNTY SEWAGE DISPOSAL SYSTEM
APPLICATION AND PERMIT

Fee: NEW INSTALLATION \$150.00
REPAIR/REPLACEMENT \$75.00

GENERAL INFORMATION

Property Owner's Name: Paul A. Keeshin TRUST
Mailing Address: 40 Castle Rock RD.
City: Cody State: Wyo Zip: 82414
Phone No. (daytime): 527-5843

Legal Description of Property:

Subdivision: _____ Lot: _____ Block: _____
or

Metes and Bounds (include lot or tract, quarter/quarter section, township, and range to the nearest 10 acres) ONLY FOR NON-SUBDIVIDED LAND:

LOT _____, T. 51 N., R. 104 W. or
_____ 1/4, _____ 1/4, SECTION _____, T. _____ N., R. _____ W.

NOTE: If the property is a portion of a Lot or 1/4, 1/4 Section, attach a detailed legal description of the property

SITE CHARACTERISTICS

Percolation Rate: 0651 0406 3160 02

HOW DO I RUN A PERCOLATION TEST?

1. Dig a minimum of three (3) holes to the expected depth of the trench in the area where the leachfield or trench is to be located. Maintain vertical sides in the holes. If using Deep Trench Design, the percolation rate of soils at bottom of trench must be tested.

2. Presoak the holes by filling the holes with water and letting the water seep away. After the water has seeped away, fill the holes again. Let the holes stand for approximately 12 hours, before beginning the test.

3. Fill the holes with water to a fixed reference point at least six inches above the bottom of the hole. Measure the water level drop at constant time intervals (e.g. every 10 minutes) to the nearest 1/8 inch. Refill the hole as necessary. Start new measurements each time the hole is refilled. When the drop is consistent for three consecutive measurements, the test may be ended.

4. The percolation rate is the time interval in minutes divided by the slowest consistent drop in inches of the three holes. For example, if the three holes had consistent drops for three consecutive intervals of 1/2" in hole #1, 1/2" in hole #2, and 1/4" in hole #3 and the time interval was 10 minutes, the percolation rate would be 10 minutes/1/4" or 40 minutes/inch. In other words, in 40 minutes the water in the hole would drop 1 inch. If there are any questions, contact the Park County Planning Department.

The table below is provided for your convenience in recording percolation rate measurements.

Hole	Drop in Inches Every <u>15</u> Minutes							
#1	3 3/4	3 1/2	2 7/8	2 1/4	2 1/8	2 1/8	2 1/8	2 1/8
#2	4 7/8	4 1/4	3 3/4	3 3/8	3 1/4	3	2 7/8	2 7/8
#3	4 3/4	4 1/2	4	3 3/4	3 1/4	2 7/8	2 1/2	2 1/2

Percolation Rate: 1 minutes per inch

Depth to Groundwater: 20 1/2 feet
well data

Water Source:

☐ Community (e.g. Municipal Water)

☒ Private (e.g. well, spring, etc.)
cistern

I, _____, (owner, contractor, engineer) hereby certify that the site characteristics reported in this application are accurate and are based on site specific information. I also hereby certify that the percolation rate and depth to groundwater have been established by approved methods and are accurate to within reasonable tolerance.

Robert M. Burdick
Signature

Date

ABSORPTION AREA CALCULATIONS

Type of Structure to Be Served:

☒ Single-Family Residence
☐ Other: _____

Type of System:

☒ Standard Trench Design
☐ Other: _____

Table 1. Absorption Area
Circle the Absorption Area Square Footage Required

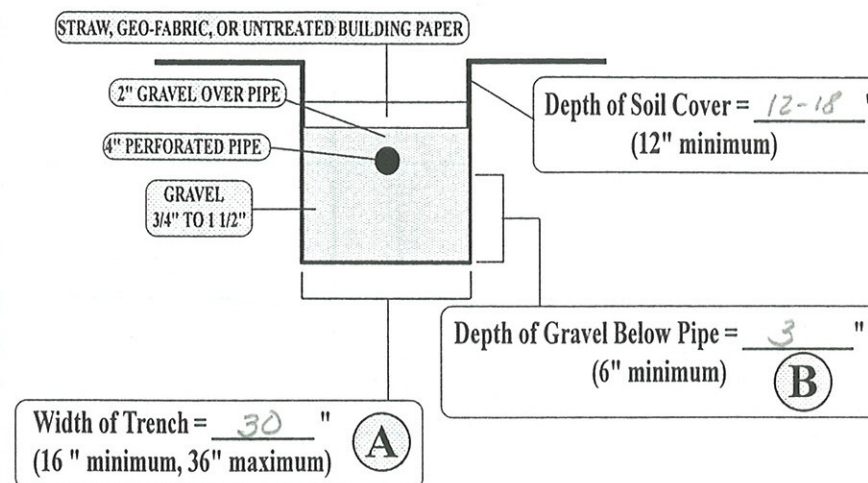
Percolation Rate (minutes/inch)	Number of Bedrooms					
	1	2	3	4	5	6
1-5	200	400	600	800	1000	1200
6-10	250	500	750	1000	1250	1500
11-20	333	667	1000	1333	1667	2000
21-30	429	857	1286	1714	2143	2571
31-60	500	1000	1500	2000	2500	3000

If using an absorption area not listed in Table 1 or for uses other than a single family residence, please explain how flows and absorption area were calculated:

This is going to be a 1 bedroom house but we are designing the field for a 3 bedroom house.

ABSORPTION TRENCH DESIGN

Figure 1. Typical Trench Cross-Section
Fill in the dimensions in each of the unshaded boxes below.



Length of Trench: 90 feet [Absorption Area Circled in Table 1 divided by the total of (A) + (B) + (B). Be sure to convert both (A) and (B) to feet before dividing.]

NON-TRENCH OR RAISED DISPOSAL DESIGNS

If using a non-trench design or if using a raised system design, please describe the design in detail:

TANK INFORMATION

Tank Manufacturer's Name: Cody Precast
Tank Liquid Capacity: 1000 gallons (1000 gallons + 250 gallons for each bedroom over 4)
Type: ☒ Concrete ☐ Polyethylene ☐ Fiberglass ☐ Other _____
Other: _____

I certify that the above-described sewage disposal system has been submitted and designed in accordance with county and state rules and regulations, and that said system shall be constructed as authorized under the provisions of the permit and all applicable rules and regulations.

Paul A. Keeshin 3/20/97
Property Owner Date

#1563

PARK COUNTY SMALL WASTEWATER PROGRAM INSPECTION CHECKLIST

PERMIT NO. 1563
OWNERS NAME Paul A. Keeshin Trust

REPRESENTATIVES
ON SITE: Rob Oswald
COUNTY

24 51N 104W.
SEC. TNSHP. RNG.

Bob's Backhoe
CONTRACTOR

SUBD. LOT BLK.

OWNER

CHECKLIST

BUILDING SEWER PIPE	Materials <u>4" Sch 40</u>	<u>MS</u>	AR	NS	DM
	Slope <u>1/4"</u> in <u>1</u> ft.	<u>MS</u>	AR	NS	DM
	Cleanouts	<u>MS</u>	AR	NS	DM
SEPTIC TANK	Type <u>Cody Pre cast 1000 gallon</u>	<u>MS</u>	AR	NS	DM
	5 ft. from BUILDINGS	<u>MS</u>	AR	NS	DM
	50 ft. from WATER WELLS <u>Cistern</u>	<u>MS</u>	AR	NS	DM
	50 ft. from WATERWAYS	<u>MS</u>	AR	NS	DM
	25 ft. from WATERLINES	<u>MS</u>	AR	NS	DM
	10 ft. from PROP. LINES	<u>MS</u>	AR	NS	DM
	Cleanouts to ground surface	<u>MS</u>	AR	NS	DM
	Pipe to solid ground <u>12' 4" Sch 40</u>	<u>MS</u>	AR	NS	DM
ABSORPTION SYSTEM	SOIL TYPE as represented	<u>MS</u>	<u>AR</u>	NS	DM
	PERC RATE ind. of soil type	<u>MS</u>	<u>AR</u>	NS	DM
	Ground SLOPE	<u>MS</u>	<u>AR</u>	NS	DM
	Seasonally high GROUNDWATER depth	<u>MS</u>	<u>AR</u>	NS	DM
	Trench DEPTH (at least 2') <u>7' 8"</u>	<u>MS</u>	AR	NS	DM
	Trench WIDTH (at least 16") <u>30"</u>	<u>MS</u>	AR	NS	DM
	GRAVEL size <u>1" leach rock 32 yds</u>	<u>MS</u>	AR	NS	DM
	Depth of gravel UNDER pipe <u>3'</u>	<u>MS</u>	AR	NS	DM
	(at least 6")				
	Depth of gravel OVER pipe <u>4" 5"</u>	<u>MS</u>	AR	NS	DM
	(at least 2")				
	Sq ft DISPOSAL AREA/ft of pipe <u>8 1/2'</u>	<u>MS</u>	AR	NS	DM
	Length of pipe installed <u>90'</u>	<u>MS</u>	AR	NS	DM
	Bottom of trench level	<u>MS</u>	AR	<u>NS</u>	DM
	Pipe grade (max. = 3" per 100')	<u>MS</u>	AR	NS	DM
	Building <u>paper</u> or straw or cloth	<u>MS</u>	AR	NS	DM
	100' from WELLS <u>Cistern</u>	<u>MS</u>	AR	NS	DM
	50' from WATERWAYS	<u>MS</u>	AR	NS	DM
	25' from DRINKING WATER LINES	<u>MS</u>	AR	NS	DM
	10' from DWELLING OR BUILDING	<u>MS</u>	AR	NS	DM
	10' from SEPTIC TANK	<u>MS</u>	AR	NS	DM
	10' from PROPERTY LINES	<u>MS</u>	AR	NS	DM
	Trench sep. <u>30' 3'</u> or 1.25x depth	<u>MS</u>	AR	NS	DM
	6" of rock btwn bed wall & pipe	<u>MS</u>	AR	NS	DM
	(bed system)				
	10' betwn leach pipes maximum	<u>MS</u>	AR	NS	DM
	(bed system)				

KEY

MS- Meets Specifications
AR- As represented in application or better
NS- Not seen at time of inspection
DM- Does not meet specifications
* - To be taken care of by Contractor

*****CAUTION: Driving
over system is not
advisable*****

INSPECTION NOTES: Constructed as shown on reverse

D.L.O. Rob Oswald DATE 4-8-97 am 4:00 pm

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