

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

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

This image shows a full page of dot grid paper. The page is covered by a uniform grid of small dots. The dots are arranged in a precise 8x8 grid of larger squares, which translates to a total of 64 columns and 64 rows of individual dots. The dots are black and evenly spaced on a white background. There are no margins, text, or other markings on the page.

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.

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.

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.

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 #:

PERMIT TO CONSTRUCT

PERMIT #

AUTHORIZED BY:

DESIGNATED LOCAL OFFICIAL

DATE OF ISSUANCE:

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 # 3341

PARK COUNTY SEWAGE DISPOSAL SYSTEM

APPLICATION & PERMIT

**Park County Planning Department
Park County Courthouse
1002 Sheridan Avenue
Cody, Wyoming 82414
Telephone No.: 527-8540 or 754-8540**

PARK COUNTY SEWAGE DISPOSAL SYSTEM APPLICATION AND PERMIT

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

GENERAL INFORMATION

Property Owner's Name: David J. Crowther + Lorna R. Anderson
Mailing Address: 1817 Mountain View Dr.
City: Cody State: WY Zip: 82414
Phone No. (daytime): (307) 587-3950

Legal Description of Property:

Subdivision: Diamond Creek Properties Block: 2
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. N., R. 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: Test PD # 06520 2706 62002

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. Pre-soak 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>10</u> Minutes							
#1	1/2	3/8	3/8	1/4	1/4	1/4	1/4	1/8
#2	5/8	1/2	1/2	3/8	1/4	1/4	1/4	1/4
#3	3/4	5/8	1/2	3/8	3/8	1/4	1/4	1/4

Percolation Rate: 40 minutes per inch Depth to Groundwater: 29' feet

Water Source:

☒ Community (e.g. Municipal Water)

☐ Private (e.g. well, spring, etc.)

I, Lorna Anderson (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.

Signature Lorna Anderson

Date 10.24.06

Date

ABSORPTION AREA CALCULATIONS

Type of Structure to Be Served:

☒ Single-Family Residence
☐ Other:

Type of System:

☒ Standard Trench Design - oversized
☐ Other:

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

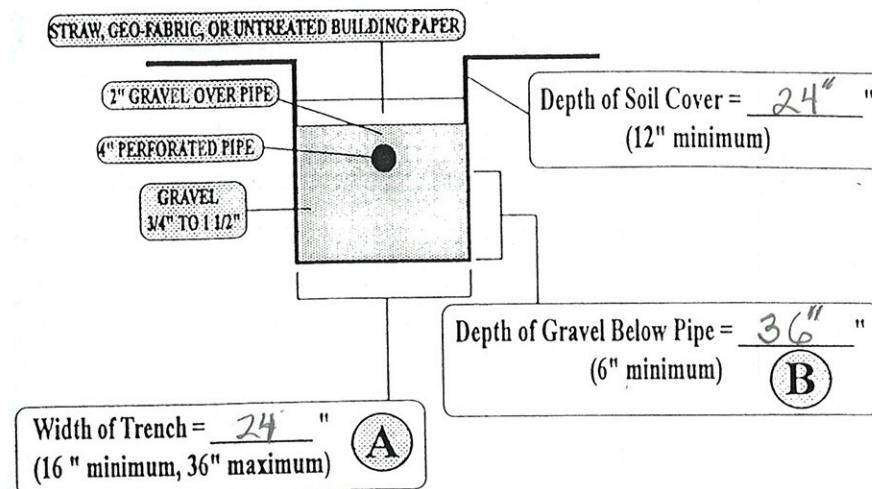
Percolation Rate (minutes/inch)	Number of Bedrooms					
	1	2	3	4	5	6
1-5	200	400	600	800	1000	1200
6-10	250	500	750	1000	1250	1500
11-20	333	667	1000	1333	1667	2000
21-30	429	857	1286	1714	2143	2571
31-60	500	1000	1500	2000	2500	3000

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:

Refered to PDA again. New 2702
250' is a bit long. PDA preference
is 1/4" per min. OK.

ABSORPTION TRENCH DESIGN

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



Length of Trench: 250' 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:

10.24.06 Linda will call & advise.

Design is 250' sq. ft.

TANK INFORMATION

Tank Manufacturer's Name: Big Horn Pre-Cast
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.

Signature Lorna R. Anderson Date 10.24.06
Property Owner

CODY CANAL

N71°14'14"W 701.53'

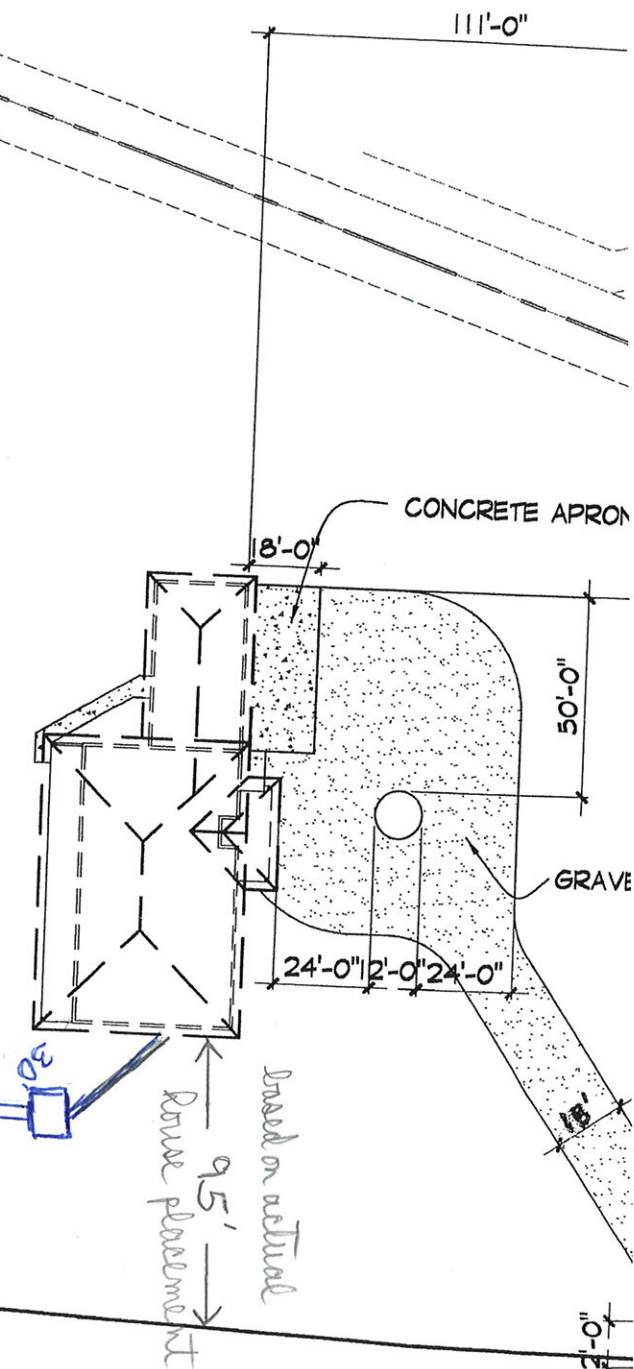
LOT 2

6.32 ACRES± NET
6.50 ACRES± GROSS

SPLIT P2 2
RUNS

per line
increase
further from
line side -
250' from
line is about
5' below the
line level

N87°11'06"W 810.40'



PARK COUNTY, WYOMING SMALL WASTEWATER INSPECTION CHECKLIST

3347

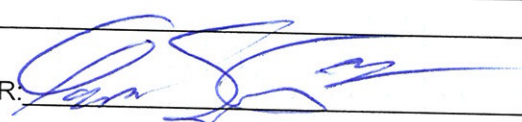
PERMIT NO. 3347 OWNER: David Crowther & Lorna Anderson
 CONTRACTOR: Charlie Smith
 Address: 31 6UU Diamond Basin
 NEW OR REPAIR: New

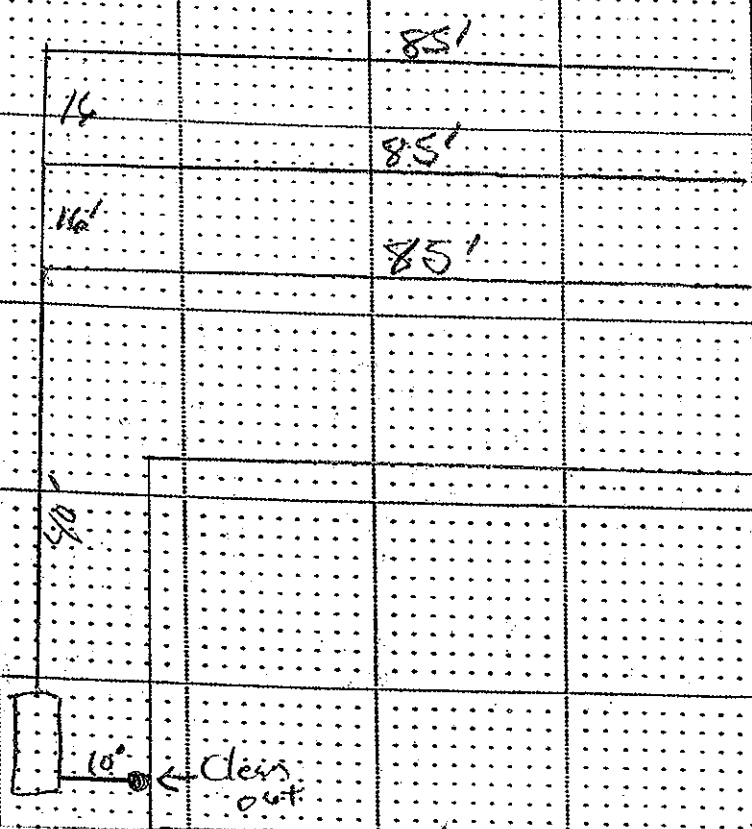
BUILDING SEWER PIPE	Materials: <u>Sch 40 PVC</u>	☒ MS	NS	DM	
	Slope: <u>3/4"</u> in <u>10'</u> (1/8"/1' min.)	☒ MS	NS	DM	
	Cleanouts	☒ MS	NS	DM	
SEPTIC TANK	MFR. <u>Be-Horn Plastic</u> Size <u>1000</u> gl	☒ MS	NS	DM	
	5 feet from Buildings <u>10</u>	☒ MS	NS	DM	
	50 feet from Water Wells <u>NRWD</u>	☒ MS	NS	DM	
	50 feet from Waterways	☒ MS	NS	DM	
	25 feet from Drinking Water Lines	☒ MS	NS	DM	
	10 feet from Property Lines	☒ MS	NS	DM	
	Cleanouts to cground surface	☒ MS	NS	DM	
PIPE TO LEACH FIELD	Materials: <u>Sch 40 PVC</u> <u>40'</u>	☒ MS	NS	DM	
	Slope: <u>1/4" +</u> in <u>1</u>	☒ MS	NS	DM	
ABSORPTION SYSTEM	Perc rate indictative of soil type	☒ MS	NS	DM	
	Ground slope <u>East to West 2%</u>	☒ MS	NS	DM	
	Seasonally high ground water depth	☒ MS	NS	DM	
	Trench Depth <u>42"</u>	☒ MS	NS	DM	
	Trench Width <u>24" +</u>	☒ MS	NS	DM	
	Gravel size <u>1/2"</u> No. of yards <u>48"</u>	☒ MS	NS	DM	
	Depth of gravel under pipe <u>24"</u>	☒ MS	NS	DM	
	Depth of Gravel over pipe <u>2 +</u>	☒ MS	NS	DM	
	Length of pipe installed <u>287'</u>	☒ MS	NS	DM	
	Square foot disposal area per foot of pipe: <u>6</u>	☒ MS	NS	DM	
	Bottom of Trench level	☒ MS	NS	DM	
	Pipe level (max. grade 3"/100')	☒ MS	NS	DM	
	Building <u>paper</u> or straw or cloth	☒ MS	NS	DM	
	100 feet from wells <u>NRWD</u>	☒ MS	NS	DM	
	50 feet from waterways	☒ MS	NS	DM	
	25 feet from Drinking Water Lines	☒ MS	NS	DM	
	10 feet/25 feet from Dwelling or Building	☒ MS	NS	DM	
	10 feet from Septic Tank	☒ MS	NS	DM	
	10 feet from Property Lines	☒ MS	NS	DM	
	Trench separation (3 feet or 1.25 X depth: <u>16'</u>	☒ MS	NS	DM	
	BED SYSTEMS	6 inches of rock between bed wall and pipe	☒ MS	NS	DM
		10 feet between leach pipes maximum	☒ MS	NS	DM
	CHAMBER SYSTEM	Length/Width of trench: <u> </u> X <u> </u>	☒ MS	NS	DM
Number of Units: <u> </u>		☒ MS	NS	DM	
Size of Units: <u> </u>		☒ MS	NS	DM	

CAUTION: Driving over any part of the system is not advisable

Key MS - Meets Specifications
 NS - Not seen at time of inspection
 DM - Does not meet specifications

INSPECTION NOTES: _____

INSPECTOR:  DATE: 5-17-2007 TIME: 12:30PM



(31) CR 6 U.U. Drainage Basin

NRWD

not to scale

MA