ON-SITE WASTE DISPOSAL PERMIT COUNTY OF JOHNSON - STATE OF WYOMING 756 PERMIT NO. AMOUNT \$ 50 00 This is to certify that the individual sewage disposal system located at 22 Antelope Deise Subdivision Lot 16 Red Hills Rand. NE & Block See. 27 T50 NR8/ W Constructed for Gordon Burch field installed by Pehringer Const. date 8/18/05 has been designed, constructed, and installed in compliance with the minimum requirements of Johnson County Regulations. These regulations meet minimum requirements of D.E.Q. and this certificate does not warrant or otherwise guarantee the continued performance of this system. Tiel Johnson County Sanitarian Johnson County Health Officer Dated this 20 day of 1)ce., 2005



August 12, 2005

P.O. Box 1004 • 381 N. Main • Buffalo, WY 82834 (307) 684-7029 • Fax (307) 684-0109 E-Mail: grizzly@vcn.com

Rick Durfee Johnson County Sanitarian 76 North Main Street Buffalo, WY 82834

Rick:

Attached is the application with appropriate drawings for the proposed septic system to be located at 22 Antelope Drive (Lot 16 of the Red Hill Ranches Subdivision).

The system is designed for a three (3) bedroom home, or 450 gallons per day.

Three percolation tests were conducted with the slowest of 41.7 minutes per inch used for design. Using an absorption system loading rate of 0.343 gallons per day per square foot, the minimum absorption area is 1312 square feet.

Conventional trench systems using either 6" or 12" washed rock below the invert and an Infiltrator Chamber Unit trench system have been designed. Any of the systems may be installed—Owners option.

If you have any questions, please contact me.

Sincerely,

xc:

Keith A. Neustel, PE

Gordon Burchfield

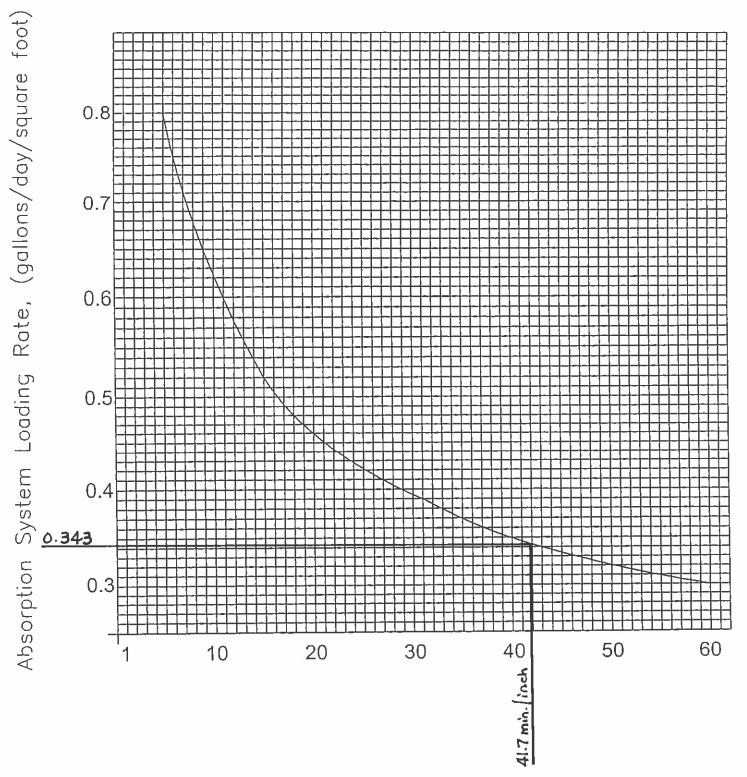
Perhinder

APPLICATION FOR INDIVIDUAL SEWAGE DISPOSAL SYSTEM JOHNSON COUNTY, WYOMING

TO: JOHNSON COUNTY SANITARIAN
76 NORTH MAIN
BUFFALO, WY 82834 PH: 307/684-7102

Αp	plicant:	Gora	lon Burg	:hfi	·cld_				
Ma	ailing Addre	ess:	22 Antelo,	De .	Drive	Bu	ffalo	Wy	82834
Ph	one #:	865 -	Street 776 - 587	19		To	PLH	State	Zıp Code
			VE'4 SW'4 22 Ar				T 50N		R <u>81W</u>
Su	bdivision: <i>j</i>	Red b	tills Ra	nchi	<u>.</u>	, B	lock N/A	, Lot	16
				₹0	סד סד סד	**	סד סד סד		
M	ingle Family Home:								<u>3</u>
								Private Well	X
				-1 0	-0 -0 -0	-0 -0 -0	TO TO TO		
			: <u>5 acr</u> oosal Field A			/. +	uthwesterly		
So	oil Type:	Clay-	loam			0 - 30	U.Charsteriy		
Percolation Test Results (min./inch): 1 20.8 ; 2 41.7 ; 3 27.8									
Depth to Seasonal High Water Table: Over 15'									
	Depth to Bedrock or Impervious Layer: Over 15' How were these determined: Usel Vogs								
П	ow were the	ese dete	i iiiiiieu.		uvela 10	95			
				70		מר מר מר נ	סד סד סד		
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	pprox. Dim						n fibergla :, (D)		:
T	ype of Inlet	:	_PVC_		:,	Тур	e of Outlet:	PVC	
Sh	all mee	t DE	O reguire	neat	ರ _{್ ಇ} -	סוד סוד סוד ס	יסר סר סר		
r	Disposal Syst	tem:	Bed				., Other		:
r	Description (of other	Both C	onv.	entiona	d and	Infiltrator	Chamber	Unit
ľ	Bed Dimensi	ons:	(W)	sys	stems .	,	(L)	- Compers (<u> </u>
-	rench Dime		• •		,	(W)	, (L)		
			ate draw ock Below In				dimensions. Conventional)	
7	otal Infiltra	ative Su	rface Provide	ed (sq	. ft.):	1312			
I	Depth from 1	Bottom	of Bed/Trend	h to (Ground Su	ırface: 🔏 .	<u>5'</u>		
				70	יי סיי סיי	o -o -o -o	מר מר מר		
	Registered Er	_				el, WY PE&L	S 2085		
E	Ingineering I	Firm:			gly Enginee 30x 1004	ering			
				Buff	alo, WY 82				
				PH:	307/684	-7029			
	1								
	Sordon J. Buch! Il								
1	Applicant:	-/-/		-	/)				
	Date:	5/15/0.	5		<u>U</u>	The state of the s			

ABSORPTION SYSTEM LOADING RATE TABLE Soil Absorption System Sizing

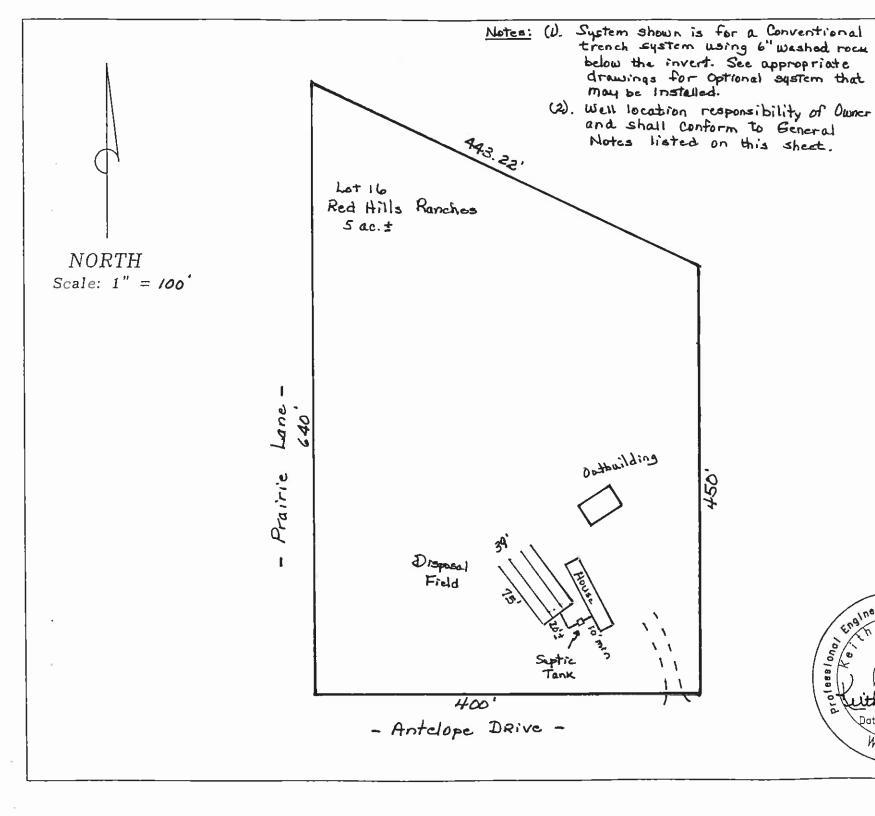


Percolation Rate, (min/inch)

<u>APPLICANT</u>

Gordon Burchfield 22 Antelope Drive Johnson Co., Wy.





APPLICANT

Gordon Burchfield 22 Antelope Drive Johnson Co., Wy.

GENERAL NOTES

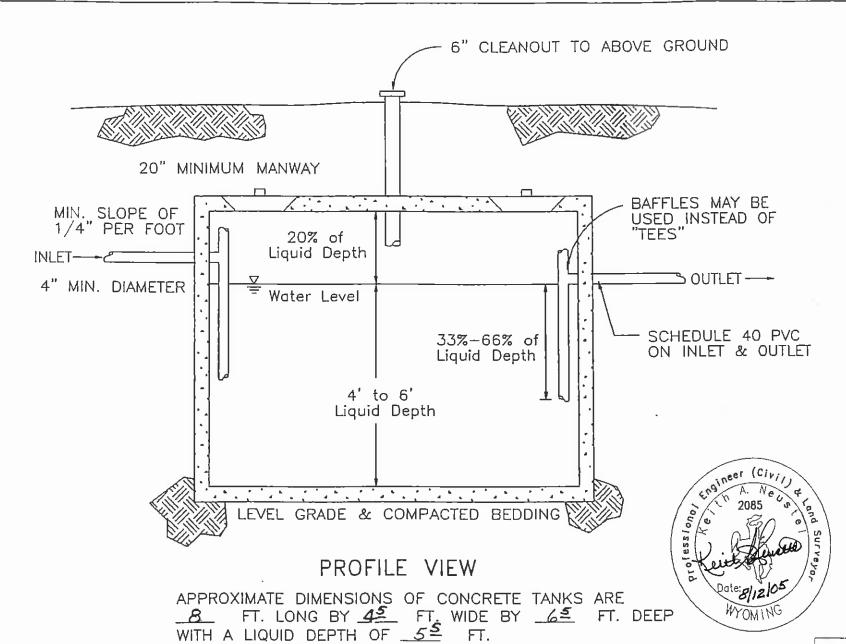
- 1. Septic tanks shall have the following minimum separation distances:
- 5 ft. from dwelling 50 ft from any water well 50 ft. from waterways
- 25 ft. from water lines
- 10 ft. from property lines
- 2. Disposal field must meet the following minimum seperation distances:
 100 ft. from any water well
 50 ft. from waterways
 25 ft. from drinking water lines
 10 ft. from dwelling or building

 - 10 ft. from septic tank
 - 10 ft. from property lines
- 3. All methods and materials used in septic system construction shall conform to the Wyoming Department of Environmental Quality, Water Quality Rules and Regu-Iolions, Chapter XI.



CONSULTING ENGINEERS and LAND SURVEYORS
P.O. BOX 1004
BUFFALO, WYOMING 82834
307/684-7029

DATE OF AUTHORIZATION:



APPLICANT

Gordon Burchfield 22 Antelope Drive Johnson Co., Wy.

GENERAL NOTES

- 1. The septic tank shall be constructed of durable material not subject to excessive corrosion or decay and structurally cap-able of supporting the loads to which it will be subjected.
- 2. The septic tank shall be watertight.
- Minimum liquid volume of septic tanks shall be 1000 gallons for residences up through four bedrooms. Additional capacity of 250 gallons per bedroom shall be provided for each bedroom over four.
- 4. The septic tank shall have length to width ratio of not less than two to one, or be partitioned to protect against short circuiting. If partitioned, the volume of the first compartment must be at least 50% of the total required volume.
- A manway access shall be provided to each compartment. Inlet and outlet devices must be accessible. A cleanout shall also be provided to each compartment and must extend to the ground surface and be capped.
- Septic tank supplier and/or manufacturer shall be DEQ approved.



CONSULTING ENGINEERS and LAND SURVEYORS P.O. BOX 1004 BUFFALO, WYOMING

307/684-7029

STANDARD SEPTIC DETAIL SHEET

DATE OF AUTHORIZATION:

NOTE: TANKS CONSTRUCTED OF MATERIAL OTHER THAN CONCRETE MAY BE USED AS LONG AS THEY ADHERE TO ALL CONDITIONS CONTAINED WITHIN THE GENERAL NOTES LISTED ON THIS SHEET.

MINIMUM CAPACITY = 1000 GAL

A Fiberalass Tank is proposed - See General Notes.

