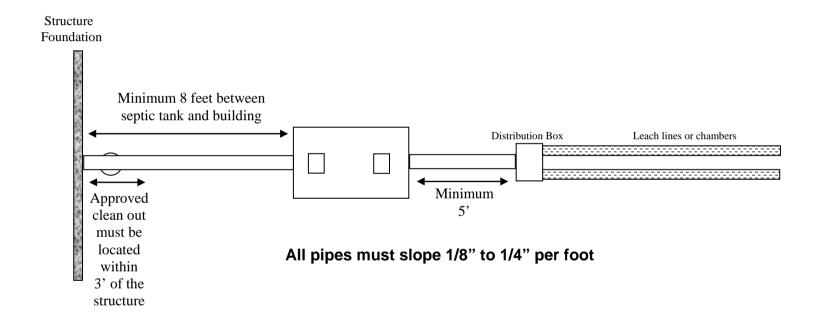
CHURCHILL COUNTY BUILDING DEPARTMENT 155 N. Taylor St. #170, Fallon, NV 89406 775-428-0264

REQUIREMENTS FOR APPLICATION TO CONSTRUCT OR REPAIR A SEPTIC SYSTEM

It is essential to our record keeping that all applications for a permit to construct or repair an individual sewage disposal system (septic system) be filled out completely and accurately before a permit can be issued. The following items are REQUIRED:

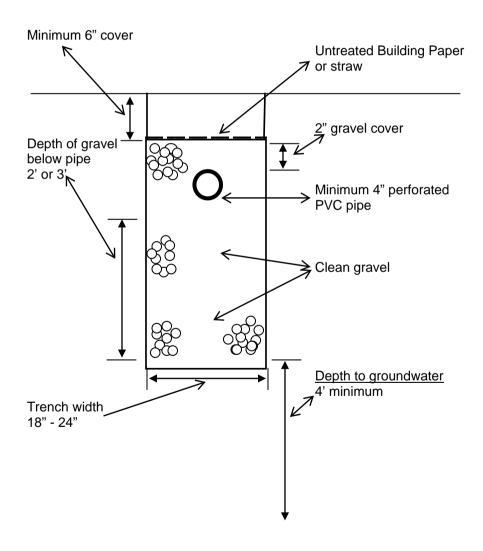
- 1. A soil profile is required as part of each application. Dig a soil test to ground water or a maximum of 10' deep. ONCE YOU HAVE DUG THE SOIL TEST PIT, CALL THIS OFFICE TO REQUEST A SOIL PROFILE INSPECTION.
- 2. Two complete percolation tests are required for each application. The percolation tests should be located at approximately opposite ends of the proposed soil absorption (leach) field. THIS OFFICE DOES NOT NEED TO WITNESS THE PERCOLATION TESTS.
- 3. The application must include a plot plan that is DRAWN TO SCALE and includes all the items required by Nevada Administrative Code (NAC) Chapter 444.874. (The required items are listed in the attached application.)
- 4. The fee for a septic permit, including plan check and all inspections is \$200.00

A properly completed application will save a great deal of time in processing your permit. Incomplete or inaccurate applications will be returned for correction before a permit will be issued



TYPICAL SEPTIC SYSTEM

TYPICAL TRENCH



NOTES:

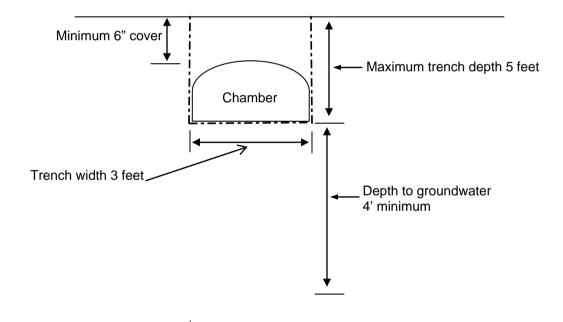
All lines must be of equal length.

No line may be longer than 110 feet.

Distribution boxes must be used to divide effluent.

TYPICAL CHAMBER SYSTEM

(May be used when soil conditions or high ground water prevents the use of a standard rock system)



NOTES:

All lines must be of equal length.

No line may be longer than 110 feet.

Distribution boxes must be used to distribute the effluent evenly.

6 feet between trenches

SET-BACK INFORMATION

Minimum horizontal distance in clear, required from:	Building sewer drain	Septic Tank	Disposal Field (shallow)
Building or structure	-	8'	8'
Property lines	10'	10'	10'
Public water supply wells	50'	150'	150'
Water supply wells sealed to 50 fe	eet 50'	100'	100'
Water supply wells not sealed to	50' 50'	100'	150'
Streams or watercourse	50'	100'	100'
Drainage channels	25'	25'	25'
Large trees or shrubs		10'	10'
Disposal (leach) fields		5'	
Community water main line	10'	10'	25'
Individual water service line	10'	10'	25'
Dry Wells	-	6'	20'

SIZE OF SEPTIC SYSTEM

	3 OR LESS BEDROOMS 1000 GALLON TANK			4 BED 1200/1	; LLON TANK	5 OR 6 BEDROOMS 1500 GALLON TANK				
PERC RATE	FEET OF GRAVEL BELOW LEACH PIPE			FEET OF GRAVEL BELOW LEACH PIPE			FEET OF GRAVEL BELOW LEACH PIPE			
(min/in)	1 ft	2 ft	3 ft	1 ft	2ft	3ft	1 ft	2 ft	3 ft	
PERC RATE (min/in) 0 - 10 11 - 15 16 - 20 21 - 25 26 - 30 31 - 40 41 - 50	Lineal Feet of Leach Trench			Lineal Feet of Leach Trench				Lineal Feet of Leach Trench		
0 - 10	312'	156'	104	375	188	125	469	235	156	
11 - 15	384	192	128	462	231	154	577	289	192	
16 - 20	454	227	151	545	273	182	682	341	227	
21 - 25	500	250	167	600	300	200	750	375	250	
26 - 30	556	278	185	667	333	222	834	417	279	
31 - 40	625	312	208	750	375	250	938	469	313	
41 - 50	714	357	238	857	429	286	1072	536	357	
51 - 60	835	417	277	1000	500	333	1250	625	417	

If the percolation rate of the soil is greater than 60 minutes per inch, the system must be designed by an engineer.

Soil test pit # 1				Soil test pit # 2						
Date of Test			Date of Test							
<u>D</u> 6	epth in Feet		Soil Tex	<u>ture</u>	Depth in Feet Se		Soil Tex	oil Texture		
DEPTH TO G	ROUNDWATER	2			DEPTH TO GF	ROUNDWATER				
Percolation 1	Fest # 1				Percolation Te					
Time	Time Interval in Minutes		Drop in water level in inches	Percolation rate minutes per inch	Time	Time Interval in Minutes	Measurement in inches	Drop in water level in inches	Percolation rate minutes per inch	
	te = interval in minut				Percolation rate (Divided time in	e = nterval in minute	minu es by the drop in	tes per inch. n inches		

PLOT PLAN