MINERAL COUNTY BUILDING DEPARTMENT
105 South "A" St. Hawthorne, NV.
Office: 775-945-3671 Cell: 775-316-0145

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) are 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. Instructions for percolation test procedures may be found at: www.leg.state.nv.us/NAC/NAC-444.html#NAC444Sec796

4. 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.)

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.

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SEPTIC APPLICATION
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FOR OFFICE USE ONLY

PERMIT # _____

DATE ISSUED _____

Permit Fee: _____ Plan Check Fee: _____ Septic Fee: _____ Total Fees: _____

Authorized Signature: _____

GENERAL INFORMATION: Valuation: _____

APPLICANT _____ TELEPHONE _____

MAILING ADDRESS _____ CITY _____

CONSTRUCTION ADDRESS _____

ASSESSOR'S PARCEL # _____ LOT SIZE _____ NO. OF BEDROOMS IN DWELLING _____

WATER SOURCE:

(CHECK ONE) ☐ PRIVATE WELL ☐ PUBLIC WATER SYSTEM ☐ SHARED WELL

NAME OF PUBLIC WATER SYSTEM _____

SEPTIC TANK: (see page 5 for size required)

SIZE _____ PURCHASED WHERE? _____ MANUFACTURER _____

DISTANCE FROM WELL _____ DISTANCE FROM NEAREST NEIGHBORING WELL(S) _____

DISTANCE FROM FOUNDATION OF DWELLING _____

LEACH FIELD: (see page 5 to determine length)

NUMBER OF LINES _____ LENGTH OF EACH LINE _____ TRENCH WIDTH _____

DISTANCE BETWEEN LINES _____ DEPTH OF TRENCH BEFORE ROCK IS PLACED _____

AMOUNT OF ROCK YOU ARE INSTALLING UNDER EACH PIPE _____ OVER EACH PIPE _____

CHAMBER SYSTEM:

NUMBER OF LINES _____ NUMBER OF CHAMBERS EACH LINE _____

TOTAL NUMBER OF CHAMBERS _____ DEPTH OF TRENCH (BOTTOM OF CHAMBER) _____

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COVER MATERIAL: (CHECK ONE) ☐ UNTREATED BUILDING PAPER ☐ STRAW ☐ FILTER FABRIC ☐ UNCOVERED

INSTALLER INFORMATION:

WHO IS INSTALLING THIS SEPTIC SYSTEM? _____

ADDRESS _____ TELEPHONE NUMBER _____

WELL INFORMATION:

NOTE: THE WELL MUST BE DRILLED PRIOR TO FINAL SEPTIC INSPECTION.

WELL CONTRACTOR _____ ADDRESS: _____

WELL CONSTRUCTION: DIAMETER _____ DEPTH _____ CASING DEPTH _____

CONTRACTOR LICENSE NO: _____

APPLICANT'S SIGNATURE _____ DATE _____

PLOT PLAN INFORMATION: (NAC 444.784)

THE FOLLOWING ITEMS SHALL BE SHOWN ON THE PLOT PLAN: (use page 3 to draw plot plan)

1. Location as to roads and streets.
2. Location and distance to well and sewage systems on surround lots (if vacant, so indicate)
3. Direction of North clearly indicated.
4. The distance to any watercourse (pond, lagoon, stream, irrigation ditch or drain ditch) within 500 feet.
5. The location of the percolation test sites and the soil profile test pit must be shown on the plans.
6. The location and depth of the well (existing or proposed). Indicate the depth of the casing or surface grout seal.
7. All septic system components must be properly marked and located at the specified distances.
8. The distance to community sewerage. If none, so indicate.
9. Distance of septic system components and well to the property line.
10. Plans must be drawn to scale (1 inch = 30', 40', 50, etc.)
11. The capacity of the septic tank.
12. The maximum slope across the absorption system (leach field) area.
13. Lot dimensions.
14. Depth, length and width of trenches and distance between trenches (between center lines of trenches)
15. Water supply lines and sewer lines.
16. Location of all structures, paved areas and areas of vehicular traffic.

PLOT PLAN

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Soil test pit # 1

Date of Test_____

Depth in Feet	Soil Texture

DEPTH TO GROUNDWATER_____

Soil test pit # 2

Date of Test_____

Depth in Feet	Soil Texture

DEPTH TO GROUNDWATER_____

Percolation Test # 1

Performed by_____

Time	Time Interval in Minutes	Measurement in inches	Drop in water level in inches	Percolation rate minutes per inch

Percolation rate =_____ minutes per inch.
(Divided time interval in minutes by the drop in inches)

Percolation Test # 2

Performed by_____

Time	Time Interval in Minutes	Measurement in inches	Drop in water level in inches	Percolation rate minutes per inch

Percolation rate =_____ minutes per inch.
(Divided time interval in minutes by the drop in inches)

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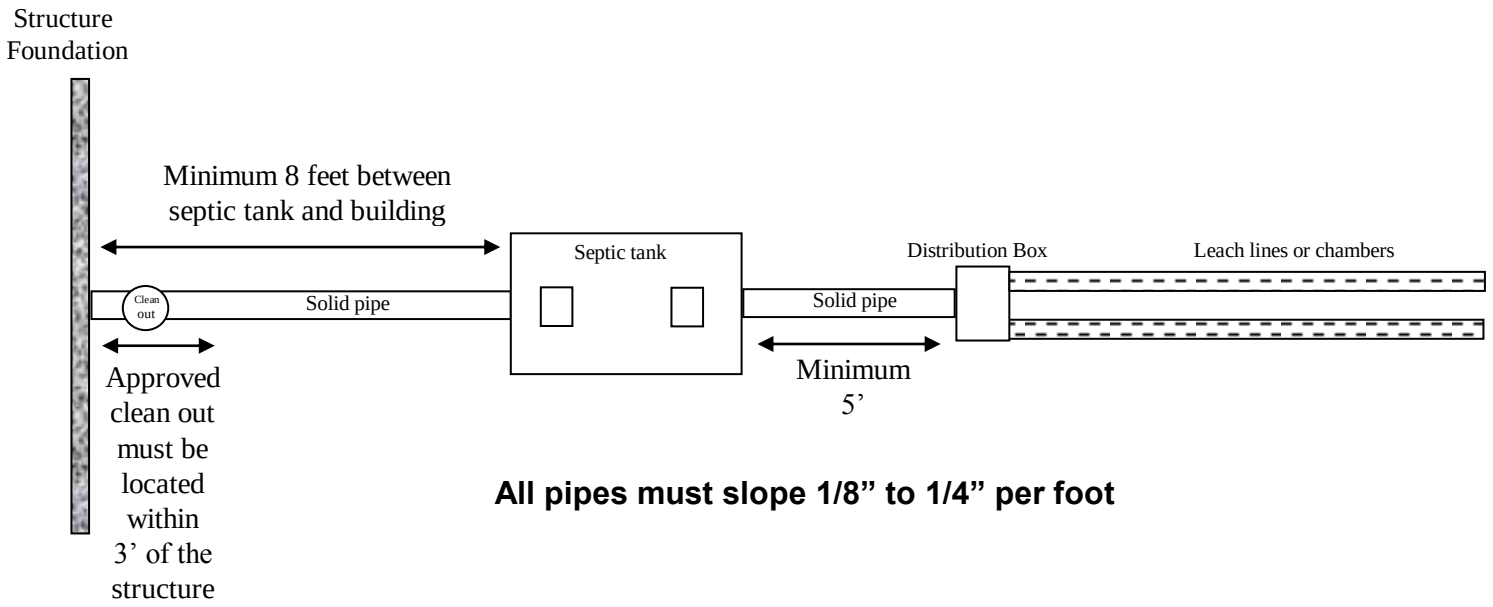
PERC RATE (min/in)	3 OR LESS BEDROOMS 1000 GALLON TANK FEET OF GRAVEL BELOW LEACH PIPE			4 BEDROOMS 1200/1250 GALLON TANK FEET OF GRAVEL BELOW LEACH PIPE			5 OR 6 BEDROOMS 1500 GALLON TANK FEET OF GRAVEL BELOW LEACH PIPE		
	1 ft	2 ft	3 ft	1 ft	2ft	3ft	1 ft	2 ft	3 ft
	Lineal Feet of Leach Trench			Lineal 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

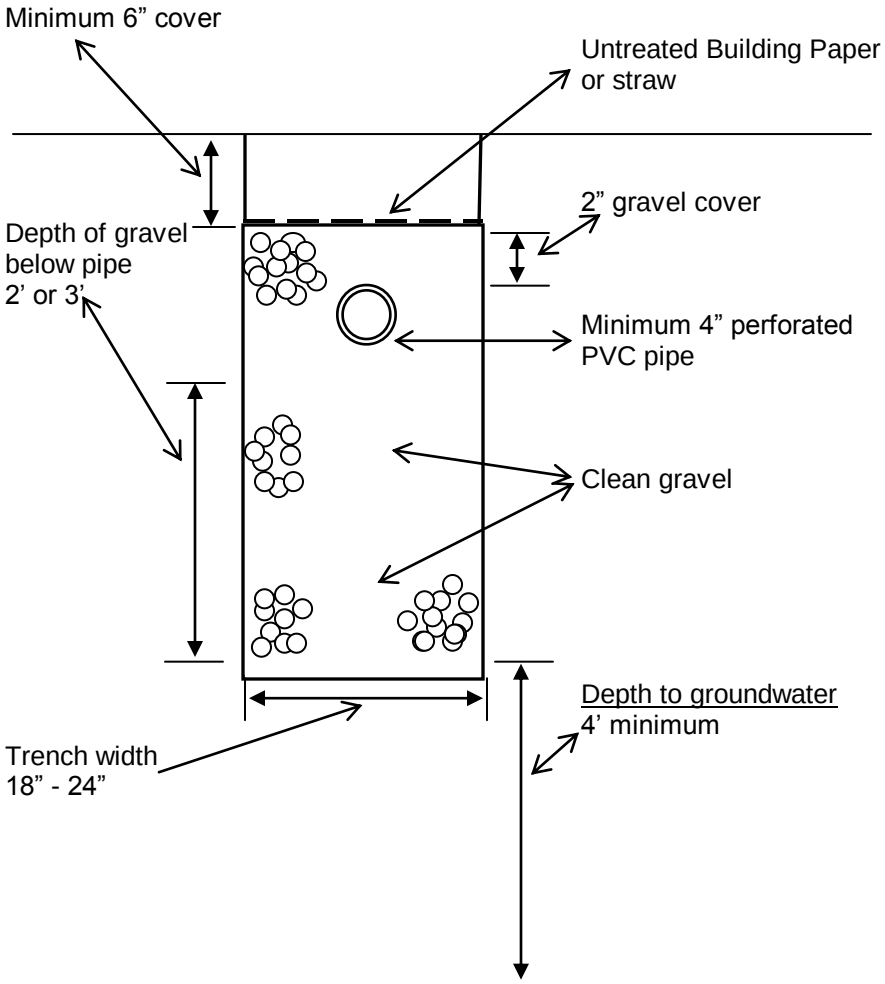
If the percolation rate of the soil is greater than 60 minutes per inch, the system must be designed by an engineer.



All pipes must slope 1/8” to 1/4” per foot

TYPICAL SEPTIC SYSTEM

TYPICAL TRENCH



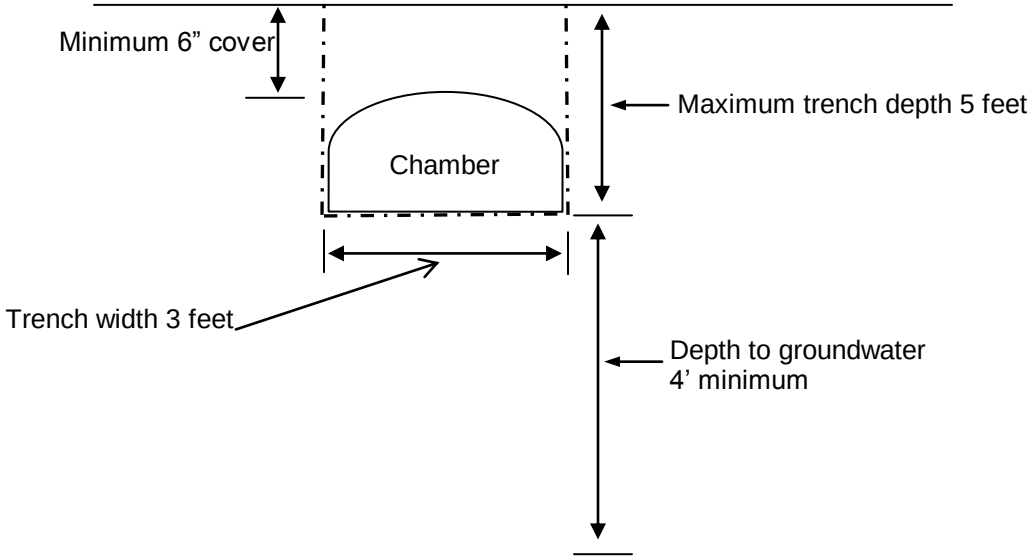
NOTES:

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



NOTES:

All lines must be of equal length.

No line may be longer than 110 feet.

Distribution boxes must be used to divide effluent.

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 feet	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’