

**SOUTHERN NEVADA HEALTH DISTRICT**  
280 S DECATUR BLVD, LAS VEGAS, NV 89107  
**RESIDENTIAL SEPTIC TANK PERMIT APPLICATION REQUIREMENTS**

**\*\*\*PLEASE CALL 702-759-0660 PRIOR TO YOUR VISIT TO SCHEDULE AN APPOINTMENT\*\*\***

**OUR REGULATIONS REQUIRE THAT PERMISSION TO CONSTRUCT A SEPTIC SYSTEM BE DENIED IF GRAVITY CONNECTION TO PUBLIC/COMMUNITY SEWER IS AVAILABLE WITHIN 400 FEET OF NEAREST PROPERTY LINE.**

1. One set of building plans.
2. Tax Assessor's parcel number.
3. Copy of *recorded* deed for property.
4. Plot plan which must include: **MUST BE DRAWN TO SCALE (ENGINEER OR ARCHITECT ONLY)**
  - Lot lines, including dimensions
  - All structures (house, garage, storage shed, temporary trailer, pool, pool equipment, etc.)
  - All driveways
  - Location of well and/or neighboring wells, *if applicable*.
  - Water meter and water lines
  - Watercourses (wash, flood control channel, irrigation ditch, etc.)
  - Street name(s)
  - Directional arrow
  - Distance from septic system to house, well, property lines, water line, proposed swimming pool, etc.
  - **Location of all septic tanks and leach fields on the property (SEE SAMPLE PROVIDED) \***
5. Municipal water - if property is served by municipal water (other than LVWWD), a *will serve* letter is required.
6. Private well - Copy of Well Driller's Report.
7. Community well - Copy of Well Driller's Report
8. If property has been divided, need copy of *recorded parcel map or recorded subdivision map*.
9. *Additional information may be required and will be determined on an individual basis.*

\* If installing a chamber (infiltrator) type field please request an information packet with applicable details.

**NOTE: No portion of the septic system can be under a driveway or any area subject to vehicular traffic or within ten (10) feet of any tree.**

**All permits will be reviewed at the time of submission, but permits will not be released until the applicable sewer authority has responded to the proposed installation of a septic system at the property. The release time is expected to be one or two business days.**

**Cash, money orders, and cashier's checks are acceptable forms of payment, but personal checks are not accepted.**

**TELEPHONE NUMBER: 759-0660      HOURS: 8:00 A.M. - 3:30 P.M.      FEE: \$551.00**

(SEE REVERSE SIDE)

**CALCULATION SHEET FOR SIZING OF  
RESIDENTIAL INDIVIDUAL SEWAGE DISPOSAL SYSTEM (ISDS)**

<u>FIXTURE UNIT CALCULATION</u>			
Water Closets *	2 ea x	_____	= _____
Bathtubs	2 ea x	_____	= _____
Showers	2 ea x	_____	= _____
Double lavs	2 ea x	_____	= _____
Single lavs	1 ea x	_____	= _____
Dble sink kit	2 ea x	_____	= _____
Wet bar	1 ea x	_____	= _____
Clothes Washer	2 ea x	_____	= _____
Laundry tub	1 ea x	_____	= _____
Bidet	2 ea x	_____	= _____
Floor drain	2 ea x	_____	= _____
Veggie sink	1 ea x	_____	= _____
TOTAL FIXTURE UNITS			_____
Min. Septic Tank Size (Gallons)			_____
Min. Leach Field (Sq. Ft)			_____

\*If existing, the fixture count may be different

NOTES(S):

Rough plumbing stub-out will determine depth of ISDS. (See Footnotes Below)

<u>SIZE REQUIREMENTS</u>		
FIXTURE UNITS SERVED	MIN TANK SIZE	LEACH FIELD SQ. FT <sup>1</sup>
0 – 20	1,000	775
21 – 25	1,200	935
26 – 35	1,500	1,165
36 – 45	2,000	1,550
46 – 55	2,250	1,745
56 – 60	2,500	1,940

<u>RECOMMENDED DIMENSIONS OF LEACH FIELD</u>	
<u>775 Sq. Ft.</u>	<u>935 Sq. Ft.</u>
12 x 65	12 x 78
18 x 43	18 x 52
24 x 33	24 x 39
30 x 26	30 x 31
<u>1,165 Sq. Ft.</u>	<u>1,550 Sq. Ft.</u>
18 x 65	18 x 86
24 x 49	24 x 65
30 x 39	30 x 52
	36 x 43
<u>1,745 Sq. Ft.</u>	<u>1,940 Sq. Ft.</u>
18 x 97	24 x 81
24 x 73	30 x 65
30 x 58	36 x 54
36 x 49	42 x 47

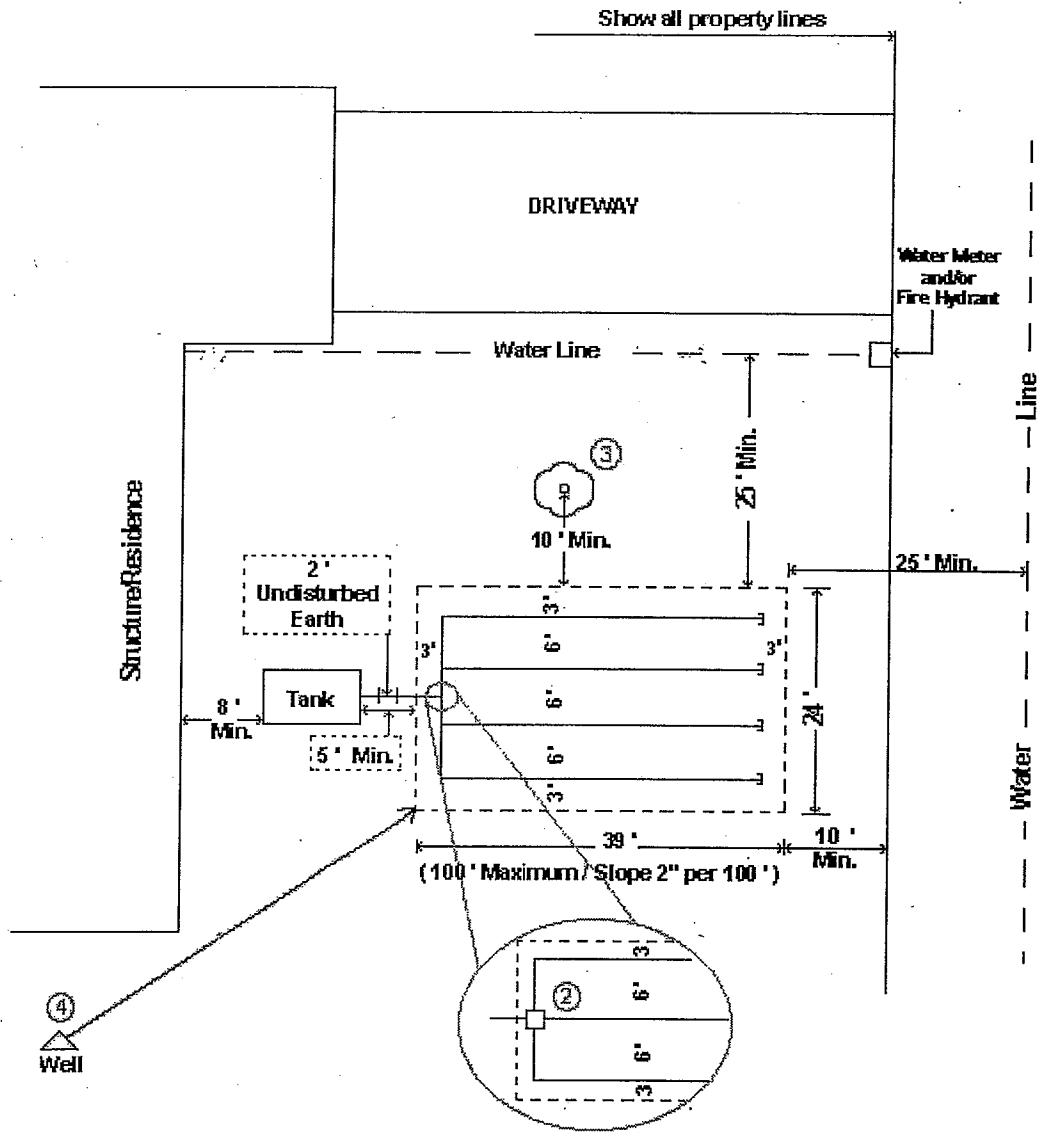
<u>Minimum Horizontal Separation Distance From:</u>	<u>Shallow<sup>2</sup></u>		<u>Deep<sup>3</sup></u>
	<u>Septic Tank</u>	<u>Absorption System</u>	<u>Absorption System</u>
Building or Structure	8 Ft.	8 Ft.	20 Ft.
Property Line	10 Ft	10 Ft	10 Ft
Water Supply – Wells	100 Ft.	100 Ft.	150 Ft.
Streams or Watercourses	100 Ft.	100 Ft.	150 Ft.
Soil Disposal Systems	5 Ft.	---	---
Community Water Main Lines	10 Ft	25 Ft	25 Ft
Individual Water Service Lines	10 Ft	25 Ft	25 Ft
Swimming Pool/Spa Water Lines and Equipment	10 Ft	25 Ft	25 Ft

<sup>1</sup> Utilizing standard 15 min. percolation rate for shallow absorption systems less than 4' deep

<sup>2</sup> Four feet (4') deep or less from ground surface to bottom of system

**SOUTHERN NEVADA HEALTH DISTRICT  
TYPICAL PLOT PLAN  
FOR  
INDIVIDUAL SEWAGE DISPOSAL SYSTEM (ISDS)**

Scale  
(1" = 20')

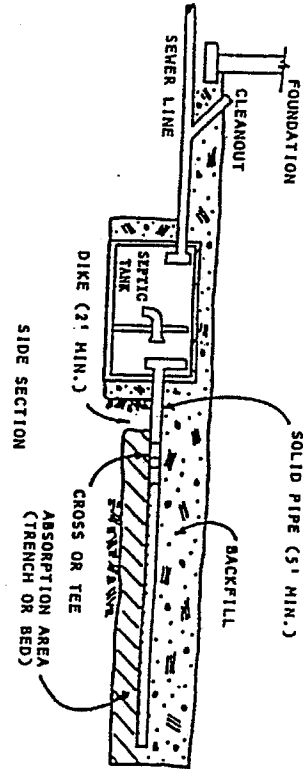


- 1 All plot plans submitted must be **drawn to scale**. (Engineering or Architectural)
- 2 A **Distribution Box** is required with any ISDS greater than 2000 gallons or a system utilizing an odd number of leach lines or trenches. (Inlet hole will be higher than the outlet holes.)
- 3 **No trees** within ten (10) feet of any portion of ISDS.
- 4 Shallow septic systems must be a minimum of 100 feet from all wells. Deep soil absorption systems must be a minimum of 150 feet from all wells.

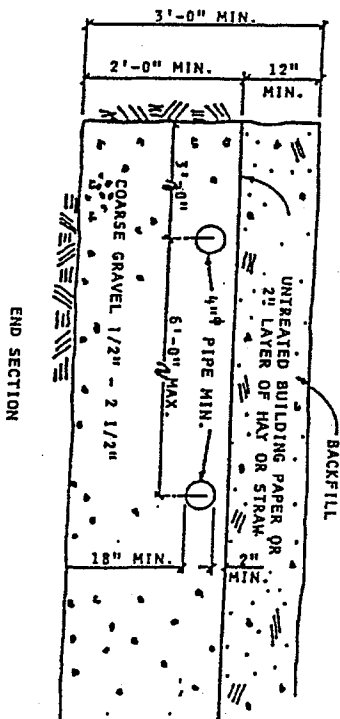
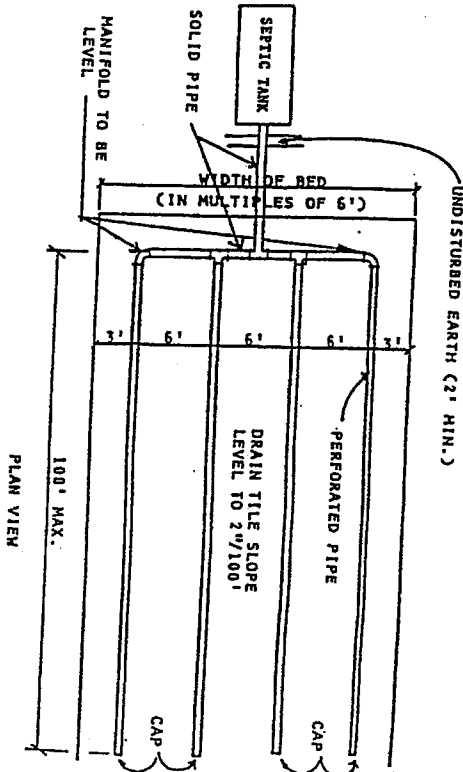
**NO paving and No vehicular traffic allowed over the ISDS**

(SEE REVERSE SIDE)

CLARK COUNTY HEALTH DISTRICT  
INDIVIDUAL SEWAGE DISPOSAL SYSTEM



RECOMMENDED SCHEDULE OF SEPTIC TANK INSIDE DIMENSIONS				
CAPACITY GALLONS	TANK WIDTH	TANK LENGTH	LIQUID DEPTH	TOTAL DEPTH
1000	4' - 0"	8' - 0"	4' - 6"	5' - 6"
1200	4' - 6"	8' - 6"	4' - 6"	5' - 6"
1500	4' - 6"	10' - 0"	4' - 6"	5' - 6"
2000	5' - 6"	11' - 0"	4' - 6"	5' - 6"
2250	5' - 6"	11' - 0"	5' - 0"	6' - 0"
2500	6' - 0"	12' - 0"	4' - 9"	6' - 0"



TYPICAL SEEPAGE BED