

Proposed Sewage System Design

Class of System:	2 or 3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>	<input type="checkbox"/> Install <input type="checkbox"/> Repair	Test Hole Ready:	Yes <input type="checkbox"/>	No <input type="checkbox"/>
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Water Supply:

- ☐ Existing
- ☐ Proposed
- ☐ Drilled Well
- ☐ Dug Well
- ☐ Surface Water
- ☐ Other: _____

Soil Conditions:

Est. Perc Rate _____ min/cm

Bedrock Level _____ m

High Water _____ m

Level _____

Date of Assessment: _____

SOIL CONDITION

Depth (metres)	Soil Type
0	
0.5	
1.0	
1.5	

Show Rock Elevation _____

Show Water Table _____ W _____

Site Information

Fixture Unit Type	Number	Fixture Unit Value	Total
Bathroom Group (3+ Fixtures)		6	
2 Piece Powder Room		5.5	
Clothes Washer		1.5	
Laundry Sink		1.5	
Kitchen Sink		1.5	
Other			

Total Fixture Units:

Total Number of Bedrooms (includes bunkies, lofts, etc.): _____

Total Area of Living Space on Property (includes bunkies, lofts, etc.): _____ m²

Daily Sewage Flow Calculation:

A. Base Flow from Number of Bedrooms: _____ L (max. 5)

B. Additional Bedrooms over 5: _____ x500 = _____ L

C. Each Additional Fixture Unit over 20: _____ x50 = _____ L

D. Living Space up to 200m²:

i. Each 10m² over 200m² up to 400m² : _____ x100 = _____ L

ii. Each 10m² over 400m² up to 600m² : _____ x75 = _____ L

iii. Each 10m² Greater Than 600m² : _____ x50 = _____ L

Total Daily Sewage Flow(Q): (A + B, C, or D) = _____ L/day

Tank(s)	Minimum Required	Proposed
Septic Tank Size: Daily Sewage Flow(Q) x2	= _____ L	= _____ L

Filter Bed

Filter Bed Area: <3000L/day DSF÷75= _____ m² Proposed _____ m²

>3000L/day DSF÷50= _____ m² Proposed _____ m²

No of Pods: _____ Arranged as _____ x _____ m²

Distribution Type: ☐ Pipe ☐ Chamber

Expanded Contact Area: QT÷850= _____ m² Proposed _____ m²

If Raised, Height above existing grade to bottom of stone layer: _____ m

OR

Conventional Trench

Daily Sewage Flow (DSF) x T÷200 = _____ m Proposed: _____ m

Request for Reduction: Type _____ DSF x T÷300 = _____ m

Percolation Rate of Fill (if required): _____ min/cm

If Raised, Height above existing grade to bottom of stone layer: _____ m

Loading Rate Area

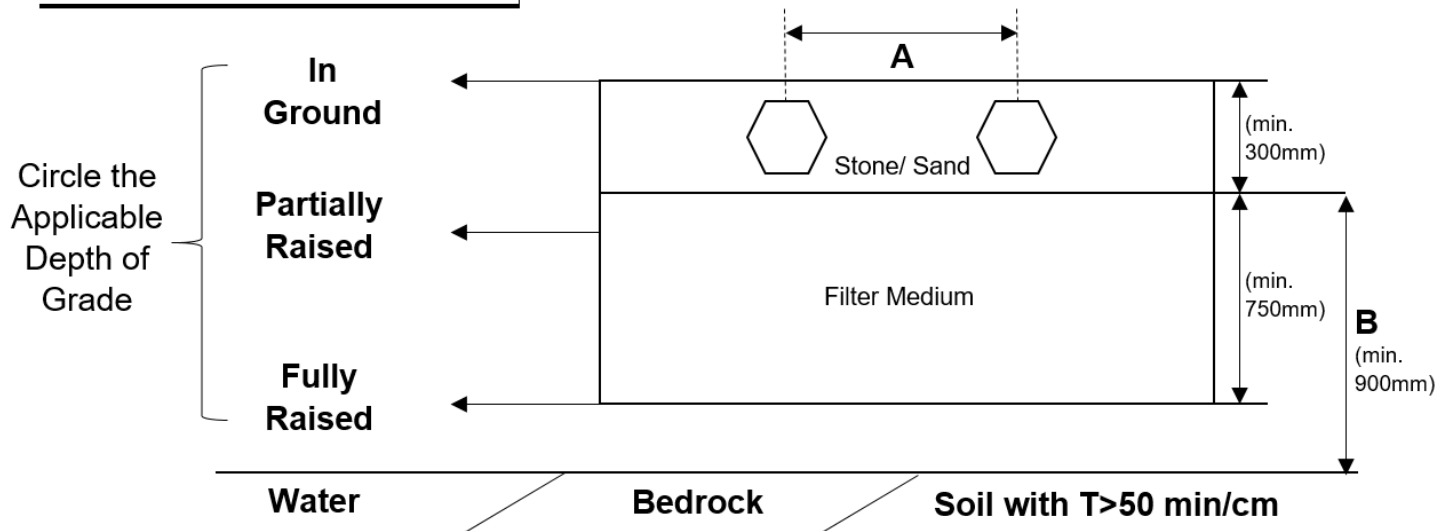
Daily Sewage Flow ÷ Loading Rate Factor = _____ m² Proposed: _____ m²

Receiving Soil Percolation Rate	Loading Rate Factor
$1 < T \leq 20$	10
$20 < T \leq 35$	8
$35 < T \leq 50$	6
$T > 50$	4

15m Extended Mantle Required: ☐ Yes ☐ No ☐ Native

Higher Treatment Level Proposed? (Details):

Cross Section – Filter Bed



A – Proposed horizontal offset Distance between Runs _____ m

B – Proposed depth of Excavation to Water Table/ Bedrock _____ m