

Job Description:	HERITAGE HOME BUILDERS
Contact:	C.B
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Please fill in the shaded areas and drop down menus:
 This spreadsheet serves as a guide, and is not a complete hydraulic design.

Worksheet 1- Field Flow

Total field

Total Quantity of effluent to be disposed per day	700	gallons / day
Hydraulic loading rate	0.8	gallons / sq.ft. / day
Minimum Dispersal Field Area	657	square ft.
Total Dispersal Field Area	657	square ft.

Flow per zone

Number of Zones	1	zone(s)
Dispersal area per zone	657	square ft.
Choose line spacing between WASTEFLOW lines	2	ft. 1"
Choose emitter spacing between WASTEFLOW emitters	2	ft.
Total linear ft.per zone (minimum required)	329	ft. per zone
Total number of emitters per zone	164	emitters per zone
Select Wasteflow dripline (16mm)	Wasteflow PC - 1/2gph	dripline
Pressure at the beginning of the dripfield	20	psi
Feet of Head at the beginning of the dripfield	46.2	ft.
What is the flow rate per emitter in gph?	0.53	gph
Dose flow per zone	1.45	gpm

Note: A few States or Counties require additional flow for flushing. Please check your local regulations.
Flush velocity calculation below is for PC dripline. Classic dripline requires less flow to flush than PC.
Please refer to Geoflow's spreadsheet "Design Flow and Flush Curves" at www.geoflow.com or call 800-821-1111

If required, choose flush velocity	0.5	ft/sec
How many lines of WASTEFLOW per zone?	1	lines
Fill in the actual length of longest dripline lateral	329	ft.
Flush flow required at the end of each dripline	0.37	gpm
Total Flow required to achieve flushing velocity	0.37	gpm
Total Flow per zone- worst case scenario	1.82	gpm

Select Filters and zone valves

Select Filter Type	BioDisc Filter	
Recommended Filter (item no.)	BioDisc-150	1.5" Disc Filter 0-30gpm
Select Zone Valve Type	None	-
Recommended Zone Valve (item no.)	0	0

Dosing

Number of doses per day / zone:	6	doses
Timer ON. Pump run time per dose/zone:	80.23	mins:secs
Timer OFF. Pump off time between doses	2:39	hrs:mins
Per Zone - Pump run time per day/zone:	8:02	hrs:mins
All Zones - Number of doses per day / all zones	6	doses / day