2011 purple code

Mound Design - Aitkin county www.SepticResource.com (vers 15.2)

	Property Owner:	Lyle Carr	Date: 5/20/2019
	Site Address:	34918 444th Pl. Aitkin MN 56431	PID: 01-0-077712
	Comments:		
instruc	ctions: = ente	er data = adjust if desired	= computer calculated - DO NOT CHANGE!
1)	3 bedroom	Type I Residential	System
2)	450 GPD design fl	ow	
3)	No Garbage dispo	osal or pumped to septic Install Jacobs	on 1650 compartment tank
4)	1000 Gal Septic tar		eptic tank (design size / LUG req'd) options: Effluent filter & alarm req'd
5)	1.2 GPD/ft ² mour	nd sand loading rate contour loading a	rate of 12 req's a min 37.5 ft. long rockbed
6)	10.0 ft rockbed w	ridth 37.5 ft rockbed length	
7)	3.0 ft lateral space		(maximum of 3 for both) old connection
8)	3 laterals	35.5 feet long 12.0 perfs / latera (1/2 a perf means the	l 36 perfs total e first perf starts at the middle feed manifold)
9)	1/4" inch perfs at	1 feet residual head gives 0.74	gpm flow rate per perforation
	for this perf size & sp	oacing, & pipe size on line 12, max perfs/later	ral = 16 , line #8 must be less> OK
10)	7.0 doses per day	(4 minimum)	
11)	64 gallons per do	ose (treatment volume)	
12)	1.50 inch diameter	r laterals must be used to meet "4x pipe volur	ne" requirement 2.00 3x
13)	45 feet of	2.0 inch supply line leads to 8	gallons of drainback volume
14)	72 gallons TOTA	L pump out volume (treatment + drainback)	(Tip: "top feed" manifold to control the drainback)
15)		lift from pump to mound laterals, leads to a:	
16)	27 GPM @	feet of head, Pump requirement	(note: >50gpm may require an extra 3-6' of head)
17)	500 gal Dose tank leads to a	(code minimum) 533 gal Dose tank	(design size / LUG req'd) at 12.69 gpi
18)		Demand float, or timed dosing of 2.7 verage flow, =70% of Peak design flow) 5.1	min ON (confirm pump rate with drawdown hrs OFF test and adjust as necessary)
19)	12 inches from b	pottom of tank to "Pump OFF" float	
20)		bottom of tank to "Pump ON" float, or 12 bottom of tank to "Hi Level" float, or 31	inches to "Timer ON" float if time dosed inches to "Hi Level" float if time dosed
21)			
22)	267 gallons reserv	ve capacity (after High Level Alarm is activa	ted)