2011 purple code

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

Property Own	er: Peter Brown	Date: 9/18/2018
Site Address:	41427 390th St. Aitkin MN 56431	PID: 01-0-015600
Comments:	Type III Mound	
nstructions:	= enter data = adjust if des	sired = computer calculated - DO NOT CHANGE!
2 bedroo	n Type I Residential	System
300 GPD de	sign flow	
No Garbag	e disposal or pumped to septic Install	1650 Jacobson Compartment tank
1000 Gal Sep	tic tank (code minimum) 1120	Gal Septic tank (design size / LUG req'd) Tank options: Effluent filter & alarm req'd
1.2 GPD/ft		pading rate of 12 req's a min 25 ft. long rockbed
10.0 ft rock	bed width 25.0 ft rockbed length	
3.0 ft later	al spacing 3.0 ft perforation spacing end feed	(maximum of 3 for both) manifold connection
3 laterals	23.0 feet long 8.0 perfs / (1/2 a perf mer	lateral 24 perfs total ans the first perf starts at the middle feed manifold)
1/4" inch pe		0.74 gpm flow rate per perforation
for this perf size	& spacing, & pipe size on line 12, max perf	s/lateral = 16 , line #8 must be less> OK
7.0 doses p	er day (4 minimum)	
43 gallons	per dose (treatment volume)	
1.50 inch dia	meter laterals must be used to meet "4x pipe	1.50 5x e volume" requirement
		2.00 3x
60 feet of	2.0 inch supply line leads to	10 gallons of drainback volume (Tip: "top feed" manifold to control the drainback)
53 gallons	FOTAL pump out volume (treatment + drainb	pack)
13 feet ver	tical lift from pump to mound laterals, leads	to a:
18 GPM @	19 feet of head, Pump requireme	
500 gal Dose		e tank (design size / LUG req'd) at 12.69 gpi
(this deliv	ng on Demand float, or timed dosing of ers Average flow, =70% of Peak design flow)	
	rom bottom of tank to "Pump OFF" float	
The second secon	rom bottom of tank to "Pump ON" float, or rom bottom of tank to "Hi Level" float, or	12 inches to "Timer ON" float if time dosed 29 inches to "Hi Level" float if time dosed
281 gallons	eserve capacity (after High Level Alarm is	activated)