Mound Design Notes - Aitkin county

P	roperty Owner: Lyle Carr		Date:	5/20/19		
	Site Address: 34918 444th Pl. Aitki	n MN 56431	PID:	01-0-077712		
			Auto fill form			
	Comments: Mound design may not follow Altkin co. Auto fill form for mound design.					
1	This is a type I mound for a 3 bedroom House. Existing deep well location is South of House.					
	Existing Mound is ** ** ** ** ** ** ** ** ** ** ** ** **					
3	Existing tanks will be pumped, collapsed, filled or removed.					
	Paral Mark Street					
	Bench Mark Elevation is a nail on a tree South of mound area.					
5	Install Jacobson 1650 Compartment tank for gravity flow from house (Existing inlet Elv.= 96.9').					
Tank will meet 10ft. Setback from lien on garage.						
6	6 Elevation contour of rock bed upslope edge is 98'. The area size of the rock bed is 10' x 38' . Absorption area is 38' x 36.5'. Sand absorption area is 10.4 ft. up slope + 10 ft. rockbed + 16.2 downslope = approx. 36.5 ft. wide sand bases.					
Berms are 14ft. Upslope, 21ft. Down slope, 10ft. Rock bed = approx. 45ft. Wide. End Berms are 1					Dase.	
	Overall mound size is approx. 45' wide x 74' long and approx. 4' high.					
7 The bench mark is the nail on the tree near mound area, BM = Elv. 100'.						
	Installer to double check bench mark. Installer should confirm bench mark and sand height Elv. with inspector.					
	Installer should record bench mark Elv. and sand height on installation inspection form.					
8	The top of the washed sand and bottom of rock bed is Elv. 100'.					
	It is important that the soils do not get compacted, and that clean washed sand is used.					
9 The Jacobson 1650 compartment tank will be gravity flow from dwelling. Install the pump f					oses	
	per day. approx. 72 gallons per dose, 5.7 inches of tank level. Install alarm at 3 inches from pump on level.					
Install all manholes, inspection pipes and clean-outs to grade or above, insulate top of tank.					700	
10 Install Effluent filter on septic tank outlet, install electric alarm on filter.						
	Install a 2" supply pipe from tank to end manifold in rock bed, install so pipe drains back to tank.					
	Install 1.5" laterals with 9" of rock under	aterals.				
	Drill 1/4" holes for Perf sizing,					
Install inspection pipe to bottom of rock bed, secure in rock bed and raise to above final grade.						
11 Installer will pressure test and squirt height laterals when finished.						
Designed to Aitkin Co. and MPCA recommendations and requirements.						
	^ ///					
	() ht//breeze	Brummer Septic LLC.		L-1347		
Dg	ng per signature	Design Company		License#		