

## Mound Design Notes - Aitkin county

Property Owner: Todd Jellum

Date: 10/14/2019

Site Address: 41902 251st PL. McGregor MN 55760

PID: 14-1-071900

Comments: Type I Pressure Bed / 3 bedroom

- 1 This is a type I Pressure Bed for a proposed 3 bedroom House.  
Soil separation is at 74" with a North slope of .2ft. across pressure bed area.
- 2 There is an existing shallow well , under trailer house that will be abandon.  
Shallow well is Approx. 32 ft. South of North end, and 13 ft. East of West side of trailer.
- 3 Proposed Deep Well should be Approx. 35 ft. NE of trailer house. It Must meet setbacks.
- 4 Bench Mark ( Elv. = 100' ) is nail on Power Meter Post, SE of proposed pressure bed.  
Designer used pressure bed because it is the smallest area for a drainfield.
- 5 The Pressure bed area will be 16 ft. wide and 36.1 ft. long. Bottom of rock Elv 95'.  
Bottom of Rockbed may be higher elevation.  
Cover rock bed with fabric and 12" to 18" of soil.
- 6 Installer to double check bench mark. Installer should confirm bench mark height Elv. with inspector.  
Installer should record bench mark Elv. and bottom of rockbed height on installation inspection form.  
It is important that the soils do not get compacted, and area stays protected.
- 7 Install a clean-out near dwelling, Owner will have to plumb sewer pipe to the West side of trailer house
- 8 The Jacobson 1650 Combo tank will be gravity flow from dwelling. Install the pump for 6 demand doses per day. approx. 78 gallons per dose, 6.1 inches of tank level. Install alarm at 3 inches from pump on level.  
Install pump with 34 GPM and 16 Ft. head. Install effluent filter on septic tank outlet.
- 9 Install all manholes, inspection pipes and clean-outs to grade or above, insulate tank top.
- 10 Install a 2" supply pipe from tank to end manifold in rock bed, install so pipe drains back to tank.
- 11 Install 1.5" laterals with 9" of rock under them. Install clean-outs at far end of laterals. ( 12" total inches of rock)  
**Drill 7/32" perf holes spaced 3 ft. apart.**  
Install inspection pipe to bottom of rock bed, secure in rock bed and raise to above final grade.
- 12 Installer will pressure test and squirt height laterals when finished. Give info to owner.
- 13 Owner is responsible to maintain protection of bed area through construction of house and septic system.
- 14 There will be two alarms on system one on the Effluent filter and one on the Pump tank.

Designed to Aitkin Co. and MPCA recommendations and requirements.

  
Designer Signature

Brummer Septic LLC.  
Design Company

L-1347  
License#