

Borntrager Residence, 32100 RCR #5, Routt County, Colorado, OWTS Notes

1. Septic tank to be approved heavy duty reinforced polymer, minimum 1250 gallon capacity, with 2 chambers with risers from each chamber to finished grade and with a sealed lid on each riser plus a 500 gallon reinforced polymer dosing tank equipped with an automatic siphon with a riser to finished grade with a sealed riser.
2. Recommend foam insulation over at least the top surface of the tank.
3. Distribution box to be reinforced polymer with individually adjustable outlet ports. Outlet ports to be set at equal elevations using a laser level.
4. All sewer and effluent lines to be run in 4 inch diameter D-3034 (aka SDR-35) PVC pipe with either glued or bell and spigot gasketed joint connections.
5. Bed and cover all sewer and effluent lines with select granular material.
6. Run all sewer and effluent lines with a minimum slope of 1%, with no dips or humps.
7. Fill surface above leach field approximately 6" above surrounding terrain so as to divert surface water away from the absorption field.
8. If any livestock are likely to be present on the site, they MUST be fenced off of the absorption field.
9. Absorption trenches shall have Infiltrator Quick 4 chambers, wrapped with corrosion resistant steel mesh, per the typical trench section shown on the drawing.
10. Each absorption trench shall be fitted with a vertical inspection port consisting of 4 inch diameter PVC pipe rising to a cap above the finished grade at each end of each trench.
11. The bottom of each trench shall be level within plus or minus 0.25%.
12. All sewer and effluent lines shall be provided with clean-outs spaced no more than 100 feet apart along the lines and shall be run at no less than 1% slope.
13. All system components to be installed in reasonable proximity to the locations shown on the drawing.

