

GRANT COUNTY HEALTH DISTRICT

CHECKLIST FOR GRAVITY SEPTIC SYSTEM INSTALLATION USING CHAMBERS

FROM DWELLING TO TANK

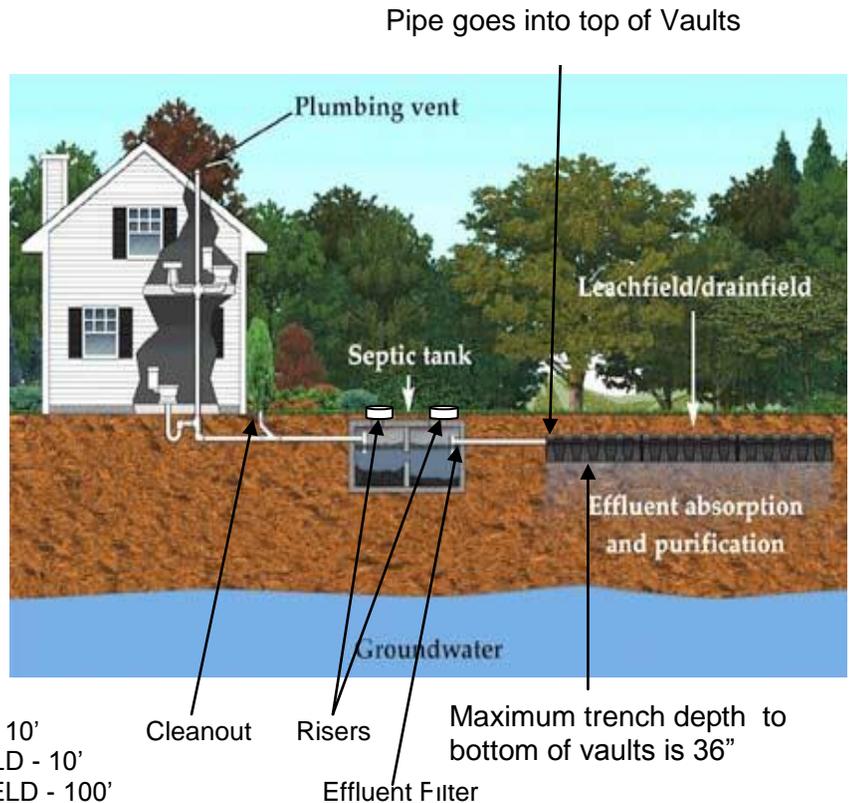
1. Proper pipe –ASTM 3034, or Schedule 40, Four Inch-4” No thin wall pipe is allowed in system except perforated sections.
2. Grade: 1/8” to 1/4” drop per foot.
3. No 90 degree turns – use 2- 45 degree turns, with cleanout encouraged
4. Sealed connections to tank.
5. Cleanout within 24” of house. ±
6. Piping shall be bedded with soil or sand. Bedding shall be 4” under and 6” above pipe.

SEPTIC TANK – MUST BE A STATE APPROVED SEPTIC TANK

1. Minimum of 5 feet from building - encourage 10 feet.
2. Access risers to grade over each lid for cleaning.
3. Two compartments - two-thirds in first compartment.
4. Proper tees or baffles - minimum of 6” below surface on inlets, effluent filter on outlet.
5. Outlet approximately 3” lower than inlet.
6. Top of inlet and outlet baffles or tees extend above scum level.
7. Minimum of 1” air space between top of baffle or tee and the underside of tank top.
8. No leaks or cracks in tank.

DRAINFIELD

1. Fall from septic tank to drain field 2” minimum.
2. Minimum of 5 feet solid line between the tank and chambers (encourage 10 feet).
3. Sealed connection to the tank.
4. Distribution box or tee placed level.
5. Required amount of square footage of trench bottom. (As stated on permit)
6. Minimum of two laterals - equal length in each.
7. Maximum length of each trench - 100 feet.
8. Maximum Trench width – 3 feet
9. Pipe material: from septic tank to drainfield, ASTM 3034, or Schedule 40, Bedded-see above
10. 4.5 feet minimum separation between trenches.
11. Maximum trench depth - 36”.
12. Bottom of each trench to be level.
13. Trench depth may be 6” minimum with 18 inches of capping fill.
14. Do not install in fill area.
15. Filter fabric is not required.
16. Pipe goes into top of Chamber.
17. Backfill over vaults must be 3” minus material



SETBACKS
FROM WATER LINES
BUILDINGS
PRIVATE WELLS
LAKES AND STREAMS
PROPERTY LINES &
EASEMENTS

DISTANCE
TANK AND FIELD - 10'
TANK - 5' AND FIELD - 10'
TANK - 50' AND FIELD - 100'
TANK - 50' AND FIELD - 100'
TANK - 5' AND FIELD – 5'