

Cross Sectional View of Trench
 Max trench depth 24"
 4" dia. Perforated pipe is ASTM-D 2729
 6" of washed 50(1/2" - 2 1/2" size) stone under pipe
 2" of washed 50 stone over the pipe
 Total gravel depth 12"
 Total trench width 36"
 All trenches must be covered with a minimum of 12" of fill soil.

General Information

- 3 Bedroom House
- Septic system requirements
 - 1000 Gal. coated two compartment septic tank with riser (by Hartford Concrete)
 - 900 Sq. Ft. / 24" Max trench depth Gravity System
- Design:
 - Five Trenches 60' long each x 3' wide = 900 Sq. Ft.
 - Max. trench depth 24"
- ⊕ = Location of County Health Department soil borings

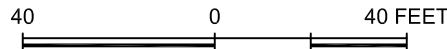
Note: The beginnings and ends of each trench are flagged on-site with orange flags

Material Key

- 1 Sewer line exits house
- 2 46" of 4" dia. ASTM-D 3034 SDR 26 with gasketed compression-type joints to septic tank (within 50' well radius)
- 3 1000 Gal. septic tank with riser.
- 4 19" of 4" dia. ASTM-D 2665 sewer line to D-Box
- 5 Approved distribution box with an elbow that extends within 2" of the bottom of the box on the inlet. Inlet elbow must have a 3/8" dia. vent on it's top side.
- 6 Absorption Trenches
 - Five trenches 60' long each x 3' wide = 900 Sq. Ft.
 - Max trench depth 24"
 - Perforated pipes are ASTM-D 2729.
 - All pipes must be glued in accordance with the manufacturers recommendations
 - Gravel trenches must be covered with a minimum of 12" of fill soil.
 - Establish a grass cover over the septic system once the final cover is inspected and approved by the Health Department

Elevation Key

- ▲ = TBM 100.00' on top center of sidewalk next to S.W. property corner
- 1 Sewer exits house no lower than 99.66'
- 2 Sewer exits inlet at I.E. 99.66', enters septic tank at I.E. 98.99'
- 3 Septic tank inlet I.E. 98.99', Outlet I.E. 98.74'
- 4 Sewer exits septic tank at I.E. 98.74', enters D-Box at I.E. 98.64' (1.2" fall)
- 5 D-Box inlet I.E. 98.64'. Outlet I.E. 98.56'
- 6 Absorption Trenches
 - The highest elevation in the area of the trenches = 100.06'
 - The lowest elevation in the area of the trenches = 99.39'
 - All trench bottoms are level at 98.06'
 - All perforated pipes are level at I.E. 98.56'



SCALE: 1" = 40'