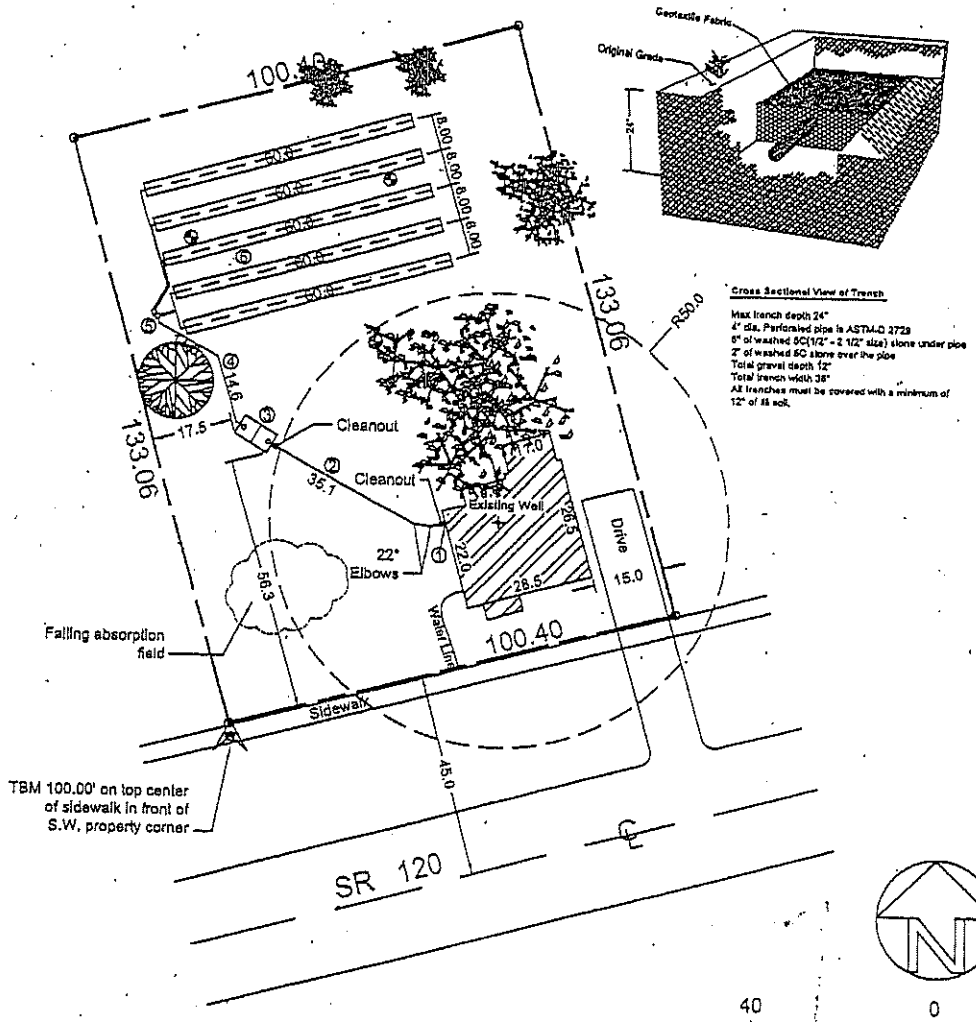
EXAMPLE



Cross Sectional View of Trench

Max trench depth 24"
4" dia. Perforated pipe is ASTM-D 2729
6" of washed 5C(1/2" - 2 1/2" size) stone under pipe
2" of washed 5C 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 99.56'
2. Sewer exits house at I.E. 99.66', enters septic tank at I.E. 99.59'
3. Septic tank inlet I.E. 99.59', Outlet I.E. 99.74'
4. Sewer exits septic tank at I.E. 99.74', enters D-Box at I.E. 99.64' (1.2" fall)
5. D-Box inlet I.E. 99.64', Outlet I.E. 99.56'
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 99.06'
   All perforated pipes are level at I.E. 99.56'