

**General Information**

- 3 Bedroom house
  - **Septic system requirements**  
1000 Gal. two compartment septic tank with riser.  
1200 Sq. Ft. / 31" Max. trench depth.
  - **Design:**  
- Five trenches 80' long each x 3' wide = 1200 Sq. Ft.
  - = Location of Soil Borings
- The beginnings and ends of the trenches are flagged on-site with orange Meade Septic Design flags.

**Material Key**

- ① 4" dia. sewer exits house
- ② Approx. 11' of 4" dia. ASTM-D 2665 or 1785 gravity sewer to septic tank.
- ③ 1000 Gal. two compartment septic tank by Hartford Concrete with risers.
- ④ Approx. 66' of 4" dia. ASTM-D 2665 or 1785 sewer pipe to D-box.
- ⑤ Approved distribution box (Header pipes are also 4" dia. ASTM-D 2665 or 1785) D-box must be fitted with a 3/8" hole vented 90° elbow on inlet Cut elbow so that it extends 2" off the bottom of the box
- ⑥ Absorption trenches "A" - "E"  
Five trenches 80' long each x 3' wide = 1200 Sq. Ft.  
Max trench depth 31"  
Be sure to cap the ends of the laterals

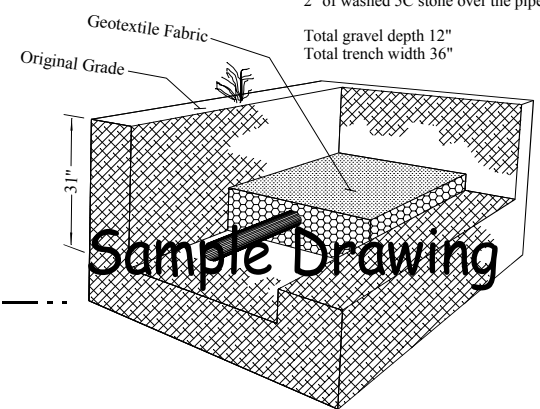
**Elevation Information**

- All elevations are at grade unless specified.  
⊕ = 100.00' BM elevation (on top of survey stake at N.W. prop. corner)
- ① Sewer exits house no lower than I.E. 103.20'
  - ② Sewer exits house at approx. I.E. 103.20', enters septic tank at I.E. 102.70' (6" of fall to septic tank.)
  - ③ Septic tank inlet I.E. 102.70'. Outlet I.E. 102.45'
  - ④ Sewer exits septic tank at I.E. 102.45', enters D-box at I.E. 102.12'. (4" of fall)
  - ⑤ D-box inlet I.E. 102.12'. Outlets I.E. 102.04'.  
Header is level to lateral "A". All other headers slope to other laterals.
  - ⑥ Trench elevations (Existing grade). Trenches are on contour.  
Beginning / Middle / End / Trench Bottom / Perforated pipe I.E.  
 Ⓐ 103.63' / 104.12' / 103.75' / Btm 101.54' / I.E. 102.04'  
 Ⓑ 103.47' / 103.88' / 103.47' / Btm 101.30' / I.E. 101.80'  
 Ⓒ 103.29' / 103.29' / 103.32' / Btm 100.74' / I.E. 101.24'  
 Ⓓ 103.11' / 102.91' / 103.28' / Btm 100.70' / I.E. 101.20'  
 Ⓔ 103.03' / 102.81' / 103.16' / Btm 100.58' / I.E. 101.08'

**Cross Section of Trench**

Maximum trench depth 31".  
4" Perforated ASTM-D 2729 pipe.  
6" of washed 5C stone under the pipe.  
2" of washed 5C stone over the pipe.

Total gravel depth 12"  
Total trench width 36"



# Sample Drawing

Square One Builders  
West side of C.R. 550 East 571' South of C.R. 275 North  
Sample, IN

All measurements taken by Meade Septic Design are field measurements and should be confirmed by the excavator at the time of installation. Surface inspection shows no evidence of buried obstructions.

|                                 |                     |
|---------------------------------|---------------------|
| DATE                            | CHANGE              |
| <b>MEADE SEPTIC DESIGN INC.</b> |                     |
| Stuart J. Meade 219/533-1470    |                     |
| DATE 07/22/99                   | KNOTEK.DW2          |
| SCALE 1" = 40'                  | Page 1 of 1 / R-495 |