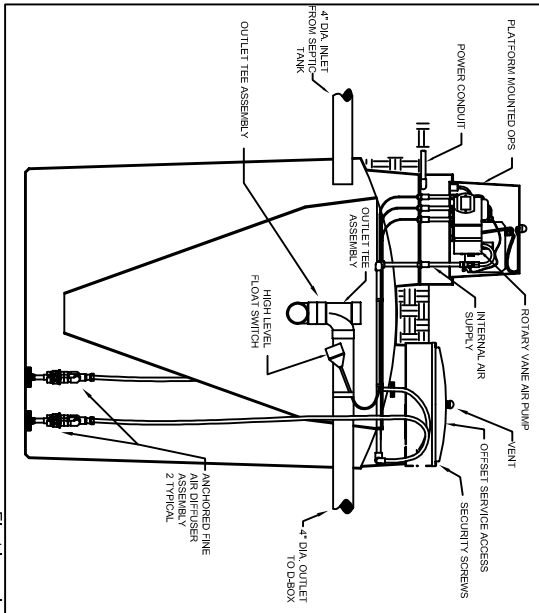
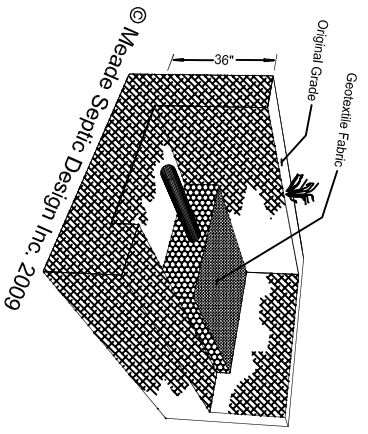


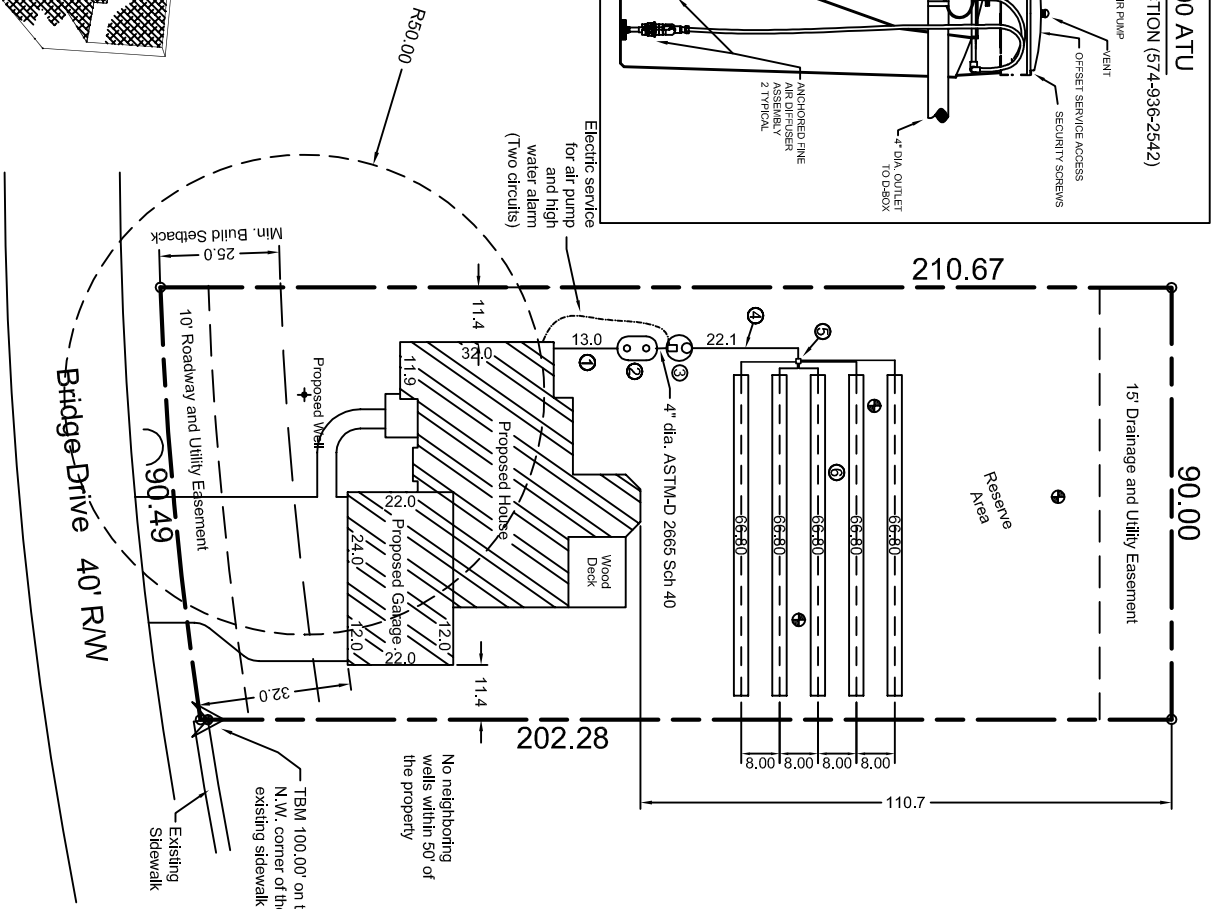
**HYDRO-ACTION AP-500 ATU**  
HYDRO-ACTION (574-936-2542)



**Cross Section of Trench**  
 Maximum trench depth 36"  
 4" Perforated ASTM-D 2729 pipe,  
 6" of washed 5C stone under the pipe,  
 2" of washed 5C stone over the pipe,  
 Total trench width 36"  
 Total gravel depth 12"



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**General Information**

- 3 Bedroom House
- **Septic System Design**
- **Gravity flow (conventional) septic system**
- **HYDRO-ACTION AP-500 Aerobic Treatment Unit**
- 1000 Gal. septic tank with riser to the ground surface
- 1000 Sq. Ft. / 36" Max Trench Depth
- Five trenches 66.8' long each x 3' wide = 1002 Sq. Ft.
- The beginnings and ends of each trench are flagged on-site with orange Meade Septic Design flags
- ⊕ = The soil borings

**Material Key**

- 1 13' of 4" dia. ASTM-D 2666 Sch 40 to septic tank
- 2 1000 Gal. septic tank by AK Industries with a riser to the ground surface
- 3 Hydro-Action AP-500 Aerobic Treatment Unit complete with air pump, alarm and diffusers (ready to set)
- 4 24' of 4" dia. ASTM-D 2665 or Sch 40 sewer pipe between ATU and proposed D-Box
- 5 Approved 6 outlet distribution box
- 6 Absorption field:  
Five trenches 66.8' long each x 3' wide = 1002 Sq. ft.  
Max trench depth 36"

**Elevation Key**

- ▲ = TBM 100.00' on top of the N.W. corner of sidewalk
- 1 Sewer exits house at I.E. 100.14', enters septic tank at I.E. 99.47'
- 2 Sewer enters septic tank at I.E. 99.47', Outlets tank at I.E. 99.22'
- 3 Sewer enters AP-500 ATU at I.E. 99.06', Outlets at I.E. 98.81'
- 4 Sewer exits ATU at I.E. 98.81', enter D-Box at I.E. 98.31' (slopes 6" to D-Box)
- 5 Sewer enters D-Box at I.E. 98.31', Outlets D-Box at I.E. 98.23'
- 6 The highest elevation in the area of the trenches = 100.73'
- The lowest elevation in the area of the trenches = 100.54'
- All trench bottoms are level at 97.73'
- All perf. pipe I.E. 98.23'



DATE \_\_\_\_\_ CHANGE \_\_\_\_\_

**MEADE SEPTIC DESIGN INC.**  
WWW.SEPTICDESIGN.COM

**Hydro-Action Industries 574-936-2542**  
Sample Drawing only. Not for Construction

Stuart J. Meade stuart@septicdesign.com  
312 River Vista Drive Goshen, IN 46526-4830  
574-533-1470 Fax 574-534-8687

DATE 05/12/09 HYDRO\_CONV. 2192.DWG  
SCALE 1" = 40' PG 1/1 Job 2192

All enclosed measurements must be confirmed by the excavator prior to installation. Surface inspection shows no signs of buried obstructions.  
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