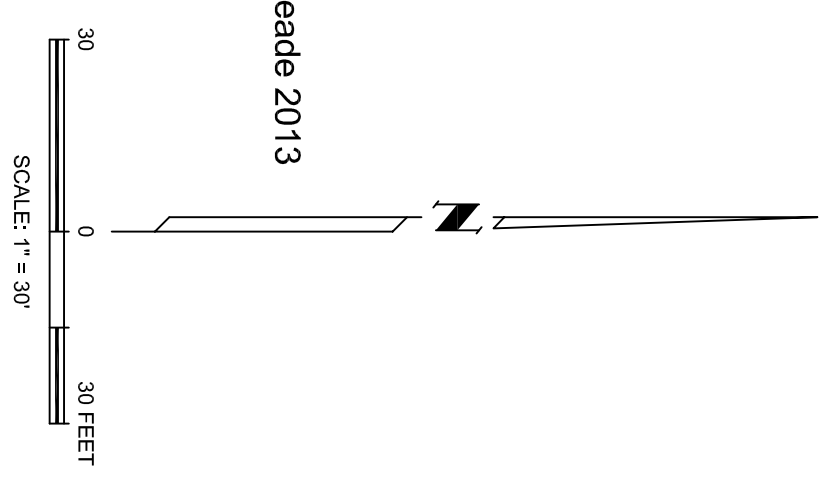


**A** = Elevation Bench Mark 100.00'  
**B** = Location of Soil Borings  
 ● = Existing Grade Elevations

All corners of the mound are flagged on-site with orange Meade Septic Design Flags  
 All new tanks must have secondary safety lids - Per Indiana State Law



**General Information**

Number of Bedrooms: 3

**Design Per Health Department Requirements:**  
 Overall Sand Dimensions: 91 feet x 32 feet

Bed Dimensions:  
 Width ft.: 5  
 Length ft.: 75  
 Bed sq ft.: 375

Basal Dimensions:  
 Width ft.: 24  
 Length ft.: 75  
 Basal sq.ft.: 1800

Average Slope at Mound: 5.25%  
 Proposing Sim Tech Pressure Filter in dosing Tank

Soil borings by: ISDH

- Material Key:**
- 1 Gravity Sewer: ASTM-D 3034 SDR 26 with Gasketed Compression-type Joints 10 feet of 4 inch dia.
  - 2 Septic Tank: 1500 gal. Two Compartment Septic Tank with Riser to the Surface. Tank Must be Equipped with an NSF 46 Effluent Filter Rated to Accommodate 1.5 Times the Capacity Tank. Septic Tank by Becker & Screens Concrete Products Hillsdale WI 517-437-4250
  - 3 Effluent Sewer: ASTM-D 3034-08 SDR 35 76 feet of 4 inch dia. Becker & Screens 1000 gal. with Riser to the Ground Surface See Page Two for Details
  - 4 Dosing Tank: ASTM-D 1785 33 Feet of Force Main from Pump to Manifold Force Main Must Drain Back to the Dosing Tank Between Doses 25.5 Feet of 3" dia. From Dosing Tank to Manifold and 7.5' of 2" dia. Inside of the Dosing Tank
  - 5 Force Main: ASTM-D 1785 3 feet of 2 inch dia
  - 6 Manifold: ASTM-D 1785 Dia. of Laterals 1.25" 4 x 36 feet long laterals
  - 7 Laterals: ASTM-D 1785

**Elevation Key:**

**TBM 100.00' on Top S.E. Corner of Concrete Slab**

1 Gravity Sewer Exits Building at I.E.	99.02
Slope in Gravity Sewer (inches):	6
2 Septic Tank: Inlet I.E.	98.52
Outlet I.E.	98.27
3 Slope in Effluent Sewer (inches):	30.60
4 Dosing Tank: Grade Elev	97.72
Inlet I.E.	95.72
Outlet I.E.	95.47
Top of Tank	96.72
Depth of Riser	1
Tank Floor	91.47
Pump Off	92.63
5 Force Main: Dosing Tank Outlet I.E.	95.47
Connects to Manifold at I.E.	98.31
6 Bottom of Bed: Highest Grade Elevation Under Bed.	97.85
Manifold Invert Elev	98.27
7 Lateral Invert Elev	98.35
Top of Laterals:	98.46

**See Page Two for Hydraulics Information:**

10/02/13 Corrected Gravity Sewer Specs, Added Lateral with Holes, Added new Borings

**MEADE SEPTIC DESIGN Inc.**  
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DATE	REVISION
09/17/13	ANDREWS1_2756.DWG
SCALE 1" = 30"	PAGE 1 of 2 JOB# 2756

Do not install this system unless this version of the plan has been approved by the Health Department.

Note: The area of the proposed absorption field must be protected from compacting, grading, filling or other types of soil disturbances that may adversely affect the soil's structure and drainage properties.

Utilities are not shown on this design and must be located before excavation begins. This is the responsibility of the person doing the digging. Call 811 to have Utilities Located. Excavator must confirm the location of all wells before construction begins. Subject to Right-of-Ways, Easements and Restrictions of Record. This plan was created for the purpose of septic design only. This is not a survey.

The use of antibacterial products (including soaps) may adversely impact your septic tank.

Give all pipe to manufacturer's specifications.

This septic system is sized using an estimated daily flow rate as designated by the Indiana State Septic Rule. Actual flow rates in excess of this daily design rate and/or high strength waste will likely cause premature failure of the system.

**Effluent Sewers:** Effluent sewer pipes shall be stabilized bedded and backfilled without damaging the pipe with debris-free soil material to prevent the movement of effluent along the outside of the pipe.

**Barrier Material:** Barrier material must meet the requirements of 410 IAC 5-8.3 and your local health department.

**Vegetation:** "Excessive vegetation at the soil absorption field site shall be cut and removed prior to installation without causing compacted soil". Remove all vegetation in accordance with State and County Health Department requirements.

**Pumps:** "Installed in a manner as to allow for removal without entering or damaging the the dose tank". Pumps shall be provided with a suitable means of quick, convenient disconnection from the discharge piping. "Fittings and valves shall be of compatible corrosion resistant material."

**Electrical Connections:** All electrical connections should be located outside the tank and riser and inside a weather proof junction box. Junction boxes inside the riser shall be rated as a NEMA 4X National Electrical Manufacturers Association, NEMA 250-2003. All connectors to the junction box shall from a watertight seal."

**Mound Construction:** Before construction check with your local Health Department to see what filling techniques are allowed in your county. Also, be sure you understand when inspections are required.