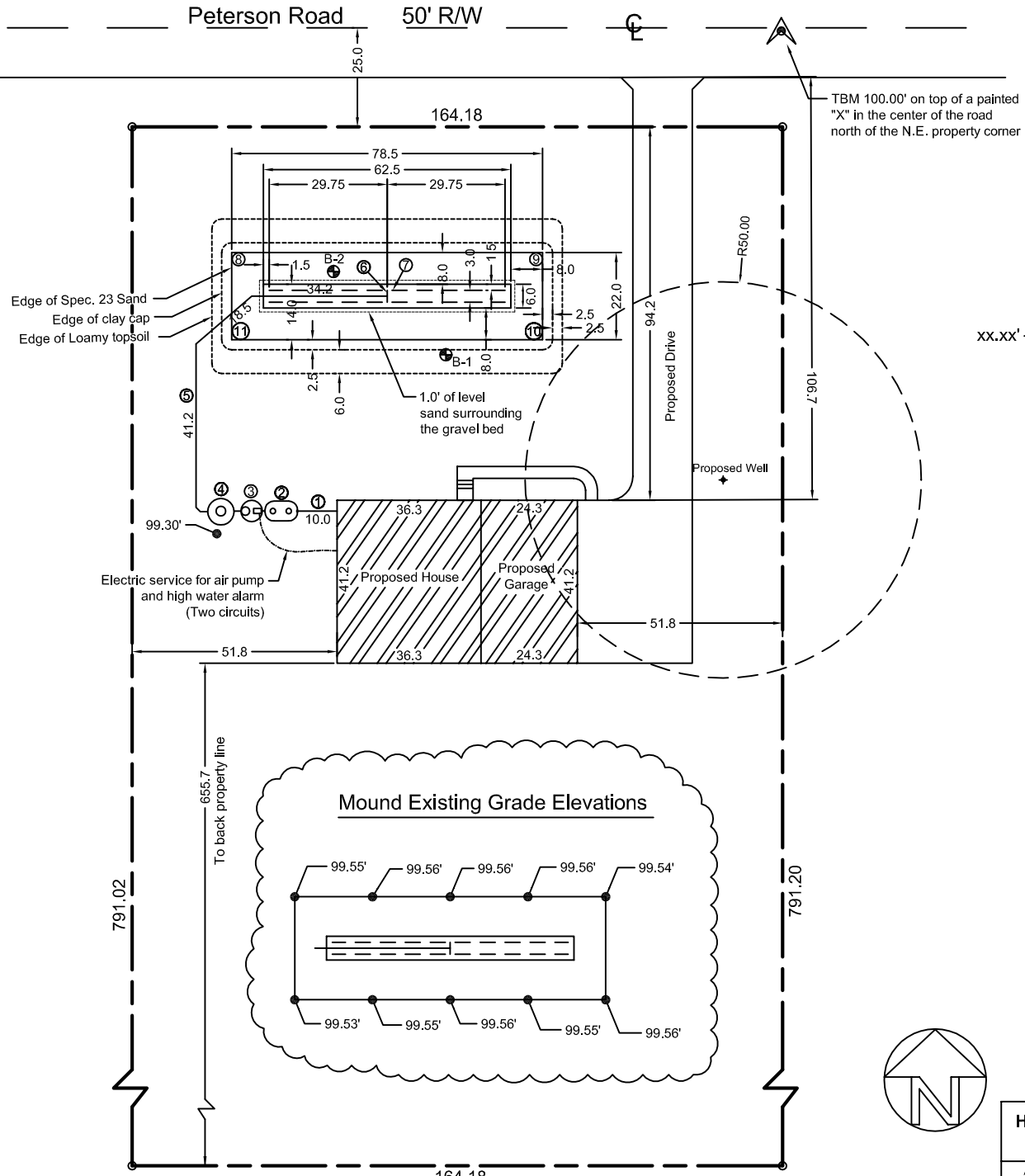

General Information

- 3 Bedroom House
- **Septic System Requirements**
  1000 Gal. septic tank
  800 Gal. Dosing tank
  Mound: 1000 Sq. Ft. Basal 375 Sq. Ft. Bed

- **Design:**
- Bed: 6' x 62.5' = 375 Sq. Ft.
- Basal: 62.5' x 22' = 1375 Sq. Ft
- 1000 Gal. Septic Tank by AK Industries with riser
- AP-500 Aerobic Treatment Unit by HYDRO-ACTION
- 750 Gal. Dosing Tank by AK Industries with riser
- The slope in the area of the mound system is .2% (flat)
- The four corners of the sand mound are flagged on-site with Meade Septic Design Flags.

⊕ = Location of Soil Borings
xx.xx' = Existing Grade elevations

Be sure to establish a grass cover over the top of the mound system once all Health Department inspections are completed.

Material Key

1 10' of 4" dia. ASTM-D 2665 Sch 40 sewer pipe to septic tank (also between the tanks)
2 1000 Gal. septic tank by AK Industries with riser to the ground surface
3 HYDRO-ACTION AP-500 Aerobic Treatment Unit (ATU) complete with diffusers, air pump and high water alarm (ready to set)
4 750 Gal. dose tank by AK Industries with riser ground surface
5 104.50' of ASTM-D 1785 delivery line from pump to manifold (7.5' of 2" dia. inside of dosing tank / 97' of 3" dia. from tank to manifold)
6 3' of 3" dia. ASTM-D 1785 manifold
7 4 reducers to 1.25" dia. ASTM-D 1785 Laterals. Lats. are 29.75' long ASTM-D 1785
8 North West corner of mound
9 North East corner of mound
10 South East Corner of mound
11 South West corner of mound

Glue all piping to the manufacturer's recommendations

Elevation Key

= TBM 100.00' on top of painted "X" in the center of the road north of the north East property corner

1 Sewer exits house at I.E. 98.02', enters septic tank at I.E. 97.52' (slopes 6" to tank)
2 Sewer enters septic tank at I.E. 97.52', Outlets tank at I.E. 97.27'
3 Sewer enters ATU at I.E. 97.11', Outlets ATU at I.E. 96.86'
4 Grade at dosing tank 99.30', Inlet I.E. 96.70', Outlets at I.E. 96.45', Top of tank 98.30', Tank floor 93.30 (at bottom of pump), Pump off 94.46'
5 Force main exits dosing tank at I.E. 96.45', connects to manifold at I.E. 101.22'
6 Manifold I.E. 101.22', Bottom of Bed is level at I.E. 100.57'
7 Lateral I.E. 101.31'
8 - 11 See drawing for existing grade elevations

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 Cell 574.215.9289 Fax 574.534.8687

All measurements must be confirmed by the excavator prior to Installation. Surface Inspection shows no signs of buried obstructions.

DATE 05/12/09	HYDRO1_MOUND_2190.DWG
SCALE 1" = 40'	PG 1/2 Job# 2190