

## ***ON-SITE SYSTEM DESIGN REQUIREMENTS***

*(Reference: Rule 410 IAC 6-8.3 or Rule 410 IAC 6-10.1, whichever is applicable)*

Recorded Deed with legal description of site & copy of Plat

House floor plan, including number of jetted tubs 125 gal or more

Recorded Easement if any part of the on-site system is not on the property (this may include the dispersal area)

Recorded Easement if any part of the subsurface drain is not on the property

System Design Criteria:

- Number of bedrooms in residence, including out buildings with plumbing
- Type of absorption field
- Provide any worksheets (including those provided by manufacturers) used for system design/sizing
- Drainage type required (both surface and subsurface)

Locations of all of the following:

- Easements including, but not limited to: utilities, roads, railroads, drainage
- Surface drainage characteristics of property
- All structures existing and proposed, including but not limited to, buildings, foundations, slabs, garages, patios, barns, pools (above/in ground), decks
- Lot lines (front, rear & side) as per County Zoning Ordinance
- Bodies of water, drainage ways, and drainage tiles
- Private or public wells
- Pressurized water lines
- Dispersal Area
- Soil boring
- Septic tank
- Dose tank
- Distribution box
- Soil absorption field
- System drainage
- Alternate (set-aside) Site

Specifications for:

- Tanks (septic & dose) – including size, material & manufacturer, including gallons per inch for the dose tank
- Distribution box – including size, material & manufacturer
- Pumps – including size, material, model number, pump curve, and manufacturer
- Outlet Filter – including manufacturer, model, GPD, and specification sheet
- All lines, pipes, and force mains – including sizes and specifications
- Risers – manufacturer, size, location
- Aggregate - including sand
- Barrier material
- Soil absorption area – product used in trench/bed, manufacturer, model #, lengths, widths, on center spacing, depths

Drawing of On-Site System Including Correct Elevations Provided For:

- Location and elevation of Temporary Benchmark (TBM)
- Identify whether shots are inverts or grade
- Land contours – Soil Absorption Field Contours (minimum 3 shots per trench – both ends & middle)
- House outlet
- Septic tank inlet
- Septic tank outlet
- Distribution box inlet
- Distribution box outlets
- Pump (Dose) tank inlet
- Pump on, off, and high water alarm levels
- Pump (Dose) tank outlet
- Subsurface drainage inlet
- Subsurface drainage outlet
- Subsurface drain – any other bends/corners

Cross Sections

- Septic tank
- Dose tank
- Distribution box
- Trench
- Subsurface drain
- Sand bed absorption area

If drawing is not to scale distances MUST be provided, including but not limited, to the following:

- House outlet to tank inlet
- Tank outlet to dose tank
- Dose tank to distribution box
- Distribution box to trenches
- Subsurface drain, including length between elevation points