

# Site Plan Review Checklist

## Soil Analysis by a Soil Scientist

1. Depth to limiting layer
2. Depth to seasonal high water table
3. Slope percent, direction
4. Presence or absence of roots
5. Topographic position of septic site

## Site Plan

6. Directional arrow
7. Scale of drawing
8. Design must be based on the number of bedrooms in the home \*see definition of bedroom in Rule IAC 410 6-8.2 and Hendricks County On site Sewage Disposal Ordinance 2004-4
9. Use most restrictive soil loading rate within 24 inches of proposed trench bottom when sizing system
10. System design must provide for equal distribution of effluent throughout the absorption field.
11. Sizes of all piping
12. Correct amount of fall in system piping
13. Invert elevations of house out, septic tank in/out d-box in/out trench bottom
14. Ground elevations at four corners of field
15. Subsurface drain invert elevations on four corners of system and outlet (Daylighting requires ten feet of solid walled pipe, rip rap and animal guard)
16. Septic system drawn on contours
17. Length of laterals
18. Distance between laterals
19. Side schematic of trench and subsurface drain with measurements
20. Topo lines
21. Location of well
22. Location of soil borings
23. 100 year flood elevation, if applicable

## Dose Tank Sizing

24. Internal dimensions of the dose tank and capacity per foot of dose tank
25. Elevations of dose tank in/out pump on/off high alarm float on
26. 12 inches of effluent must be present at all time to submerge pump
27. Enough volume in dose tank should include 12 inches + daily design flow + drainback and additional for freeboard
28. All drainback calculations must be shown

## Pump Sizing

1. Pump size is determined by taking the average of dose volume divided by 10 min. and dose volume divided by 20 min. then plotting the TDR and the TDH.
2. Manufacturer's pump curve

## Chambers

1. Manufacturer, model and number of chambers proposed per lateral and total

## Pressure Header

1. Specifications on pressure header with orifice number, size and details

## Outlet Filter

1. Outlet filter specifications