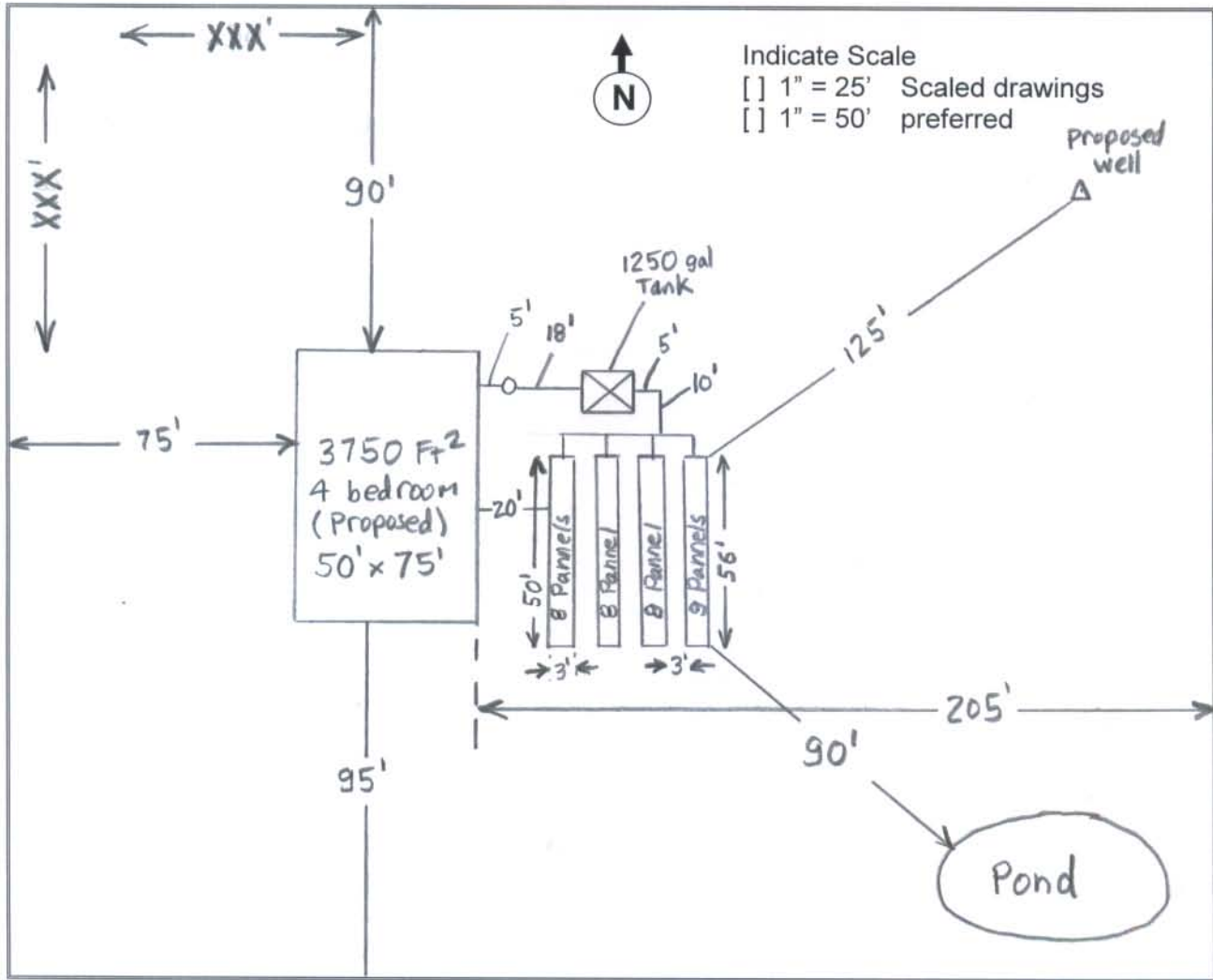# Schematic of Lot or Tract of Land

Show: Detailed plans of OSSF (Use a <u>ruler</u> with a pen or mechanical pencil)

Write legibly, **do not** cross out mistakes, **draw 1 line** through the mistake and **initial it** or redo drawing.

[ ] Illustrate cleanout   [ ] Illustrate soil test sites   [ ] Property dimensions (ft)
[ ] Lengths of all piping   [ ] Illustrate legend   [ ] Adjacent streets
[ ] Distance between trenches   [ ] Compass North   [ ] Block numbers of streets
[ ] Length of trenches
[ ] Distance from site and adjoining water wells to site's proposed septic tank & drainfield, within 150 ft.
[ ] Distance from trench & septic tank to existing and proposed site structures (at least 5 feet).
[ ] Distance to all property lines from existing and proposed site structures
[ ] Locations & distances of all easements swimming pools, waterlines, other structures where known or proposed.
[ ] Location of natural, constructed, or proposed drainage ways, water impoundment areas, cut or fill bank, sharp slopes, and breaks.
[ ] Indicate slope or provide contour lines from the structure to the farthest location of the proposed soil adsorption or irrigation area.

(Sewage flow) ÷ (absorption rate) ÷ (absorptive area) x (0.6 [leaching chamber efficiency]) = trench length

$$\underset{Q}{\underline{450}} \text{ divided by } \underset{Ra}{\underline{0.25}} \text{ divided by } \underset{AA}{\underline{5}} \text{ multiplied by } 0.6^{**} = \underset{L}{\underline{216}} \text{ Ft}$$

$$\underset{Ft}{\underline{216}} \text{ divided by } \underset{\text{length of panel}}{\underline{6.25}} = \underset{\text{# of panels}}{\underline{35}}$$

Tank Size (in gals.): 1250
Lot size (in acres): 1.25

Q = gallons per day (sewage flow)   Ra = Rate of absorption for soil class (Table I)
AA = Absorptive Area of soil (typically, 3 feet excavation bottom + 1 foot for each sidewall)
ELC = Efficiency allowed when using leaching chambers without water saving devices
L = Trench length needed
** NOTE: Do Not Multiply by 0.6 if doing a soil substitution

NOTE: EXAMPLE ONLY, DOES NOT CORRESPOND TO LOT DIMENSIONS

Revised 04/2009