



## **SYSTEM PLAN REQUIREMENTS FOR ALL SYSTEMS**

- ☐ A single copy of a plot plan drawn to scale on the "System Design" sheet included in this packet or on an 8.5" X 11" (or no larger than 11" X 17") sheet of paper. Parcels larger than two (2) acres should include a detailed enlarged diagram of the area where the septic system components are located.
- ☐ Write the owner's name, acreage, and map and tax lot number on the plot plan.
- ☐ On the plot plan include date completed and signature of person that drew it.
- ☐ Map all property line dimensions. Include an arrow indicating north direction.
- ☐ Indicate number of bedrooms for proposed home.
- ☐ Location of approved test pits from the "Site Evaluation" process.
- ☐ Direction and percentage of slope(s) within the approved initial drainfield and the replacement drainfield areas.
- ☐ Location, size, and material of all septic system components (i.e. tanks, transport lines, distribution boxes, treatment units, monitor ports, drainlines, replacement area, etc.)
- ☐ Distances of septic system components from each other including distance between drainlines and their length.
- ☐ Elevations of the native soil surface at the septic tank and both ends and middle of all drainlines. For the replacement area, (4) corner elevations are sufficient.
- ☐ Locations and distances from septic system components to all of the following that apply:
  - ☐ Surface waters – seasonal and year round (i.e. lakes, rivers, streams, ponds, springs, etc.)
  - ☐ Wells and waterlines on your property (both irrigation and potable)
  - ☐ Property lines and easements
  - ☐ Utility lines (both underground and overhead)
  - ☐ All structures
  - ☐ Roads and driveways
  - ☐ Escarpments, manmade cuts, and fills
  - ☐ Field tiles
  - ☐ Swales
  - ☐ Neighboring wells or springs within 100 feet of property lines.

**Additional Information Required for Pressure Distribution, Sand Filters, and ATT Systems**

- ☐ Hydraulic calculations determining the total dynamic head (in feet) and net discharge rate (in gallons per minute)
- ☐ Make, model, and a pump curve for the pump(s) to be used.
- ☐ Make and model of control panel and float system to be used.
- ☐ Length, diameter, and location of discharge assembly, transport line, manifold, and distribution laterals.
- ☐ Orifice diameter and spacing
- ☐ Septic tank(s) capacity with a side view cross section showing pump, float configuration, discharge assembly, etc.
- ☐ Comparative elevations between low water level of tank and distribution laterals to determine if an anti-siphon valve is necessary.

**Additional Information Required for Sand Filters**

- ☐ Type of container used for sand filter, concrete or plywood. (Engineered plans are required for proposals utilizing concrete containers).
- ☐ Overhead drawings of sand filter distribution layout. (Include transport pipe, manifold, laterals, orifice and cleanout locations as well as lateral and orifice spacing, etc.)
- ☐ Side view drawings of the sand filter. (Include under drain collection pipe, media and sand depth, pump basin, details, etc.)

**Additional Information Required for ATT Systems**

- ☐ Make, model, and mode of ATT system to be utilized.
- ☐ Completed, signed and dated copy of certified maintenance provider contract. (This document must be submitted before a permit can be issued.)
- ☐ Top and side view cross sections of the ATT treatment unit to be utilized.
- ☐ Location(s) of access/monitoring ports for operation and maintenance of the proposed ATT system.