DESCHUTES COUNTY
COMMUNITY DEVELOPMENT
PO Box 6005, Bend, Oregon 97708
117 NW Lafayette Avenue, Bend, OR 97703
Telephone (541)388-6575, Fax (541)385-1764

SEPTIC SYSTEMS
APPLICATION REQUIREMENTS

FOR ALL SYSTEMS:

SUBMIT A SCALED PLOT PLAN PROVIDING:

- Four copies of each drawing, submitted on at least 8 ½ X 11 inch sheets of paper.
- For large parcels: provide a scaled drawing of the 2 acre development area.
- Parcels 2 acres or less are required to be entirely drawn to scale.
- Arrow indicating north.
- Property description, including township, range, section, and tax lot number and subdivision name, lot, and block number where applicable.
- Direction and percent of slope.
- Location of all major features (i.e.: canals, irrigation ditches, rock ledges, etc.).
- Names and location of all streets or roads adjacent to the property.
- Location, size, and intended use of **ALL** structures (existing and proposed).
- Location of driveways (existing and proposed).
- Location of any public utility or other easements (canals, overhead power lines/poles).
- Location of water source/well on property.
- Location of wells on adjacent properties.
- Location of test holes used for the site evaluation report.
- Dimensions of all property lines.
- Location of septic tank.

FOR STANDARD, CAPPING FILL, AND PRESSURE DISTRIBUTION SYSTEMS INCLUDE:

- Locations of initial and replacement drainlines, showing dimensions and spacing of leachlines. (Identify location of risers on pressure distribution lateral.)
- Distances from septic tank or drainlines to the nearest property lines.

ALL of the following elevations are required for the initial and replacement drainfields:

- Elevation of the native soil surface at the proposed septic tank location.
- Elevation of the native soil surface at both ends of all trenches and one in the center of all trenches.

Elevations are required for the initial and replacement drainfields.

FOR PRESSURE DISTRIBUTION AND SAND FILTER SYSTEMS INCLUDE:

- The pump model to be used and the pump curve for that pump.
- Hydraulic calculations used in determining Total Dynamic Head and Net Discharge (Flow Rate). This may be obtained from pump supplier, manufacturer, or consultant.
- Maintenance agreement
- Identify the control and alarm systems to be used.
- The length, diameter, and type of pipe to be used in the transport line. Distribution laterals and the manifold. Include diameter of discharge assembly.
- Orifice spacing and size.
- Approximate elevation change from pump location (low water operating level located approximately 2 feet from top of septic tank) to distribution laterals, showing which level is higher.
- Location of antisiphon valve if tank sits higher than drainfield.
- Dosing septic tank capacity and manufacturer.

FOR SAND FILTER SYSTEMS ALSO INCLUDE:

- The type of filter container to be used - concrete or plywood. Concrete containers require a building permit from Deschutes County Building Division.
- Drawing of the general design of the sand filter (18' X 20', 10' X 36" . . .).
- Maintenance agreement
- Type and location of filter fabric.
- Distance from septic tank and initial/reserve sand filter to property lines and all wells.
- Identify elevations in the manner prescribed previously for disposal trenches if lined sand filter with drainfield is applicable. Include elevation of filter boot invert.
- Sand supplier's name. Supply sieve analysis at time of installation.
- Supply underdrain media (pea gravel) and sieve analysis at time of installation is needed.