

# **City of Kenmore Small Site Drainage Review Requirements**

All drainage requirements reference Appendix C of the 1998 King County Surface Water Design Manual (KCSWDM) and City of Kenmore Ordinance No. 02-0132.

If a project adds 500 to 5,000 square feet of new impervious surface, a Small Site Drainage Review is required. A Targeted Drainage Review may be required in addition to the Small Site Drainage Review. See page C-1 in Appendix C for more information. The following are the minimum requirements for Small Site Drainage Review. Please see page C-36 of KCSWDM Appendix C for the complete list of requirements.

## **1. Small Site Drainage Plans**

- An 8 ½" x 11", 8 ½" x 14", or 11" x 17" paper
- Scale (standard 1" = 20'; minimum 1" = 50')
- North Arrow
- Property lines, easements and building setback lines all dimensioned
- Street Names and existing and/or proposed property address
- Show topography (2' minimum contours)
- Sensitive Areas and associated buffers (i.e. steep slopes, landslide, erosion, wetlands, streams)
- Show proposed flow control system (see pages C-7 through C-22)
  - Infiltration is the method of preference
  - Dispersion to be used if soils are unsuitable for infiltration
  - Use small site retention trench and connect drainage system to existing storm main if the first two methods are not feasible.
  - Show location of any vegetated flowpaths or buffers required for flow control systems
- Show location of all existing and proposed ditches, swales, pipes, roof downspout systems, etc.

## **2. Small Site Erosion Control Plans**

- Basemap (same as for drainage plans)
- Show type and location of erosion and sediment control facilities (i.e. silt fence, rock construction entrance, etc.)

## **3. Soils Report**

- Include one soils log for each proposed infiltration trench location
- Each log should be a minimum of 4 feet deep (6 feet for drywells)
- May be prepared by an onsite sewerage designer or other suitably trained professional engineer.
- May be waived for small site proposals adding less than 2,500 square feet of new impervious surfaces if dispersion trenches or small site retention trenches can be used.

## **4. Written Drainage Assessment (Example on page C-39)**

- Describe site conditions, proposed flow control selection process and erosion control measures.