

CHAPTER 7 WATER

7.1 GENERAL REQUIREMENTS AND POLICIES

Water within the City Limits of Sedro-Woolley is provided by Skagit P.U.D. #1.

7.1.1 Water Plan Set Requirements

- A. The water plan set shall contain water plans in plan over profile format, showing all utility crossings in profile.
- B. All utility crossings shall show clear distance from crown of bottom utility to invert of top utility, called out in box or balloon format.
- C. Water plans shall be shown on their own plan sheet(s) and shall be emphasized with other utilities shown screened back.
- D. Concurrence shall be obtained by the applicant or agent of the applicant by the Sedro-Woolley Fire Department (S.W.F.D.), the Skagit P.U.D. #1, and the Director of Public Works / City Engineer. Approval shall be sought in the following order: Fire Chief; Skagit P.U.D. #1; Director.
- E. “Looping” of the water system is to be maximized. Dead-end lines are permitted only when circumstances specifically do not allow “looping.”
- F. The location of the nearest fire hydrant(s) shall be clearly indicated on the plan with length and direction to hydrant listed.
- G. Fire hydrant detail shall list hydrant with “Storz” fitting and showing the hydrant barrel painted red and the caps painted white, as approved by the Sedro-Woolley Fire Department.

7.1.2 Fire Hydrant Requirements

- A. Fire hydrants are owned and operated by the Sedro-Woolley Fire Department (S.W.F.D).
- B. Fire hydrants shall be placed in conjunction with the International Fire Code, Section 508 – Fire Protection Water Supplies.
- C. All new fire hydrant installations or repositionings shall be Clow ‘Medallion’. Repositioned fire hydrants shall be examined and certified acceptable prior to re-installation.
- D. Fire hydrants shall be painted Safety Red with White top and caps.
- E. Fire hydrants shall be placed so that the farthest portion of any and all structures are within four-hundred feet (400’) **as measured by an approved route around the exterior of the facility or building** (IFC 508.5.1) with no exceptions; that being a line between and around the perimeter of obstacles and buildings. Fire hydrants shall also be placed as designated by the City Engineer / Director of Public Works and/or Fire Chief.

- F. A certificate of water availability from the Skagit P.U.D. #1 shall be submitted with all land use applications, certifying that satisfactory fire flow is available.
 - 1. If satisfactory fire flow is not available at the time of the water availability certificate, the applicant shall submit plans representing proposed improvements to the water system which will allow satisfactory fire flow.
- G. A blue double-sided reflector shall be placed in the center of the adjacent pavement immediately perpendicular to the fire hydrant to indicate its location.