

WAC 468-34-150 Design. (1) The utility company shall be responsible for the design of the utility facility. The department shall review and approve the utility's plans with respect to location and the manner in which the utility facility is to be installed and measures to be taken to preserve safe and free flow of traffic, structural integrity of the roadway or highway structure, ease of highway maintenance, appearance of the highway and the integrity of the utility facility.

(2) Utility installations on, over or under the rights of way and utility attachments to highway structures shall as a minimum comply with the following standards and/or amendments thereto:

(a) Electric power and communication facilities shall conform with the currently applicable National Electric Safety Code and/or Washington State Safety Code.

(b) Water lines shall conform with the current Standard Specifications for Road, Bridge, and Municipal Construction including but not limited to:

Welded Steel Water Pipe	AWWAC201 & ASTM A 120 AWWAC203 AWWAC205
Reinforced Concrete Water Pipe	AWWAC300 AWWAC301 AWWAC302
Cast Iron Water Pipe	AWWAC106 AWWAC108 AWWAC111
Wrought Iron Water Pipe	ASTMA72

(c) Pressure pipeline shall conform with the currently applicable sections of Standard Code for Pressure Piping of the American National Standards Institute and applicable industry codes, including:

(i) Power Piping, ANSI B 31.10

(ii) Petroleum Refinery Piping, ANSI B 31.3

(iii) Liquid Petroleum Transportation Piping Systems, ANSI B 31.4

(iv) C.F.R. 49, Part 192, Transportation of Natural and Other Gas by Pipeline - Minimum Federal Safety Standards

(v) Liquid petroleum pipelines shall conform with the currently applicable recommended practice of the American Petroleum Institute for Pipeline Crossings Under Railroad and Highways. (API RP 1102)

(d) Sewer pipe shall conform with the current Standard Specifications for Road, Bridge, and Municipal Construction.

(e) Drainage pipe shall conform with the current Standard Specifications for Road, Bridge, and Municipal Construction.

(3) Ground mounted utility facilities shall be of a design compatible with the visual quality of the specific highway section being traversed.

(4) All utility installations on, over, or under highway right of way and attachment to highway structures shall be of durable material designed for long service life expectancy and relatively free from routine servicing and maintenance.

(5) On new installations or adjustment of existing utility lines, provision shall be made for known or planned expansion of the utility facilities, particularly those located underground or attached to structures. They shall be planned so as to minimize hazards and interference with highway traffic when additional overhead or underground lines are installed at some future date.

(6) Government or industry codes required by law or regulation shall be followed in addition to rules and regulations referred to herein. This shall include any highway design standards which the department shall deem necessary to provide adequate protection to the highway, its safe operation, appearance and maintenance.

[Statutory Authority: Chapter 47.44 RCW. WSR 89-05-022 (Order 119), § 468-34-150, filed 2/10/89. Statutory Authority: 1977 ex.s. c 151. WSR 79-01-033 (DOT Order 10 and Comm. Order 1, Resolution No. 13), § 468-34-150, filed 12/20/78. Formerly WAC 252-04-115.]