



Ronald Onslow, Mayor
Sandra Day, Councilmember
John Main, Councilmember
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Administrative Changes to 2008 Engineering Standards Effective March 9, 2015

Effective immediately the following changes are made to the City's April 2008 Engineering Standards for Public Works Construction.

Volume 1: Design and Planning

General:

Remove Chapter 4 in its entirety. Sanitary sewer service in the City is now provided by Clark Regional Wastewater District, and the District's design standards must be followed. The District Standards can be found at <http://www.crwwd.com/documents/DesignManual-2010.pdf>. Any references to sanitary sewer design standards should default to the District's Standards.

2.26 Street Illumination:

Replace item F, G and H with the following:

- F. For new subdivisions and short plats all street lights shall be decorative acorn single fixture on a cast aluminum decorative pole. Details per city standard plan T-2.18A or T-2.18B. The pole shall be a single piece cast aluminum pole, 14' tall and 4" diameter with a fluted shaft and 17" decorative base with anchor bolts. Pole and fixture housing finish shall be polyester powder coat for corrosion resistance. Pole shall be Holophane part number WDA 14 F4C 17 P07 ABG BK or approved equal

The luminaire shall be LED in 3000K with minimum output of 5450 lumens (T-2.18A) or minimum 5000 lumens (T-2.18B) with maximum wattage of 60W. L70 shall exceed 100,000 hours. Lumen depreciation shall be a maximum of .75 per TM21 calculations for 100,000 hours at 25C ambient. Driver shall be 120-277V and have life expectancy of 50,000 hours when installed in luminaire in 25C ambient environment. Optic shall have an internal reflector to redirect light downward and have a type 3 prismatic refractor. Optic shall have decorative gold vertical slot band with 4 black medallions. Driver, photocell receptacle and surge protector (Class C

10kV/5kA) shall be mounted on removable tray with access through hinged door for easy maintenance. Fixture shall be DLC listed.

Luminaire shall be Holophane part number AWDE 60 3K AS M B 3 M R G G RFD 184501 / GVD 60 3K AS M B 3 R R G RFD 184502 or approved equal.

- G. Street lights for city collectors and arterials shall be cobra head lights with poles per city standard plan T-2.11 and T-2.12. The luminaire shall be LED in 4000K with a minimum output of 9450 lumens and a maximum wattage of 100W. Lumen depreciation shall be a maximum of .96 per TM21 calculations for 100,000 hours at 25C ambient. Driver shall have life rating of 100,000 hours when installed in fixture at 25C ambient. Fixture shall be 3G vibration rated and black polyester powder coat paint finish for corrosion resistance. Fixture to use Long life LED photocell. Fixture shall have BUG B2U0G2 cutoff and be DLC listed. Luminaire shall be American Electric ATB2 40BLEDE70 MVOLT R3 or approved equal.
- H. City pathway lights shall be decorative post top fixture on a cast aluminum decorative pole per city standard plan T-2.19. The pole shall be a single piece cast aluminum pole 14' tall and 4" diameter with a fluted shaft and 17" decorative base with anchor bolts. Pole and fixture housing finish shall be polyester powder coat for corrosion resistance. Pole shall be Holophane part number WDA 14 F4C 17 P07 ABG BK or approved equal.

The luminaire shall be LED in 3000K with minimum output of 1367 lumens with maximum wattage of 25W. L70 shall exceed 100,000 hours. Driver shall be 120-277V and have life expectancy of 50,000 hours when installed in luminaire in 25C ambient environment. Optic shall be acrylic with a type 2 refractor. Luminaire shall be Holophane part number 247L 10LEDE70 MVOLT 3K R2 AY PCLL or approved equal.

2.27 Traffic Control and Signing:

Replace item F with the following:

F. Design Requirements

1. **Traffic Control Devices.** All traffic control devices shall conform to the Manual on Uniform Traffic Control Devices (M.U.T.C.D.) as adopted by the Washington State Department of Transportation (WSDOT).
2. **Signing.** Sign sizes shall conform M.U.T.C.D standards. WSDOT Standard Drawings shall be used for typical installations and details. Sign posts shall be constructed of 2"x 2" square aluminum post per the WSDOT Standard Plans.

- i. Street name signs shall be green with a white boarder. Lettering shall follow MUTCD guidance. On residential street name signs, the initial upper case letters shall be 6" tall with subsequent lower case letters 4.5" tall. Street signs should be flat aluminum and double sided.

Volume 2: Construction Specifications and Details

General:

Remove Chapter 4 in its entirety. Sanitary sewer service in the City is now provided by Clark Regional Wastewater District, and the District's design standards must be followed. The District Standard Details can be found at <http://www.crwwd.com/documents/StandardDrawings-2010.pdf>. Any references to sanitary sewer design standards should default to the District's Standards.

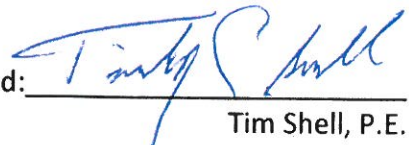
Standard Detail T-2.10

Delete this detail in its entirety.

Standard Detail T-2.11

Delete note 3 in its entirety.

Signed: _____



Tim Shell, P.E.
Public Works Director
City of Ridgefield