



2021 DESIGN & CONSTRUCTION STANDARDS

PUBLIC WORKS DEPARTMENT



**CITY OF KENT
PUBLIC WORKS DEPARTMENT**



**2021
DESIGN AND CONSTRUCTION
STANDARDS**

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Interim Deputy Public Works Director/City Engineer



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Request for Change to Design and Construction Standards

With a publication of the complexity of the City of Kent's Design and Construction Standards there may be errors or omissions that must be periodically corrected. Standards and product types and names also change.

The City strives for accuracy and consistency in these standards.

Users of this manual are encouraged to recommend changes to the City of Kent's Design and Construction Standards utilizing this form.

From: _____

Date: _____
Phone: _____
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Comment and provide marked-up copy of requested change(s):

SECTION 1: GENERAL CONDITIONS AND REQUIREMENTS

SECTION 2: CONSTRUCTION CONTROL AND INSPECTION

SECTION 3: STANDARDS FOR WATER SYSTEM IMPROVEMENTS

SECTION 4: STANDARDS FOR SANITARY SEWER SYSTEMS

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**APPENDIX D: SAMPLE ENGINEER COST ESTIMATE AND
BOND QUANTITYWORKSHEET D-1**

**APPENDIX E: MEET ME ON MEEKER – STREETSCAPE
DESIGN AND CONSTRUCTION STANDARDS E-1**

APPENDIX F: DOWNTOWN DESIGN GUIDELINES F-1

POLICY AND PURPOSE

The City of Kent has adopted these Design and Construction Standards (hereinafter “Standards”) for two primary reasons:

1. To the extent practicable, to set forth the minimum requirements for specific and consistent construction of, and improvements to: public and private streets, water utilities, sewer utilities, and storm water utilities; placement and operation of any utilities in rights-of-way; and all excavation and grading in the City. These Standards include procedures for inspection, acceptance, warranty and deviations.
2. To establish uniform criteria to guide the City’s own design, construction and improvement of City streets and utilities.

These Standards are crafted to enable the City to achieve goals for neighborhood and transportation connectivity, transportation safety, affordable housing, storm water management, environmental protection, and cultural resource enhancement in balance with sound and efficient development.

With respect to transportation, the City requires consistent standards to assure, so far as practical, that motoring, bicycling, transit, and pedestrian safety needs are met in compliance with requirements for public safety, convenience, aesthetics, surface water drainage, economical maintenance, and cultural and environmental resource protection.

Given that the City must have flexibility to carry out its paramount duty to provide for the diverse and changing needs of the traveling public, these Standards are not intended to represent the legal standard by which the City’s duty to the traveling public is to be measured.

These Standards cannot provide details for all situations. They are intended to guide, but not to substitute for, competent work by licensed professional surveyors, architects and engineers. The City recognizes that these professionals must use their best judgment and skill in design and construction decisions, and must consider many factors including, but not limited to, environmental constraints, existing geometry and sub-surface conditions. For its own projects, the City faces the additional factor of limited economic resources which are constrained by limits upon taxing authority.

These Standards are not intended to be so inflexible as to limit the economies of lower impact development alternatives or other innovative or creative designs that could result in equivalent or improved safety, quality, and maintainability. At the same time, environmental conditions may require more limiting design parameters than would be otherwise required by these Standards. Any proposed variance from the Standards will be evaluated as to the likelihood that such variance will produce a compensating or comparable result as would the application of the original standard under typical conditions and be safe and adequate for the public in every way. The final decision on any proposed variances will be made by the Public Works Director/City Engineer or his or her designee (hereinafter “Engineer”).

This document does not require that existing facilities not subject to any public or private development be rebuilt to comply with these Standards, but the Engineer reserves the right to require upgrades in any particular circumstances where warranted and as required by applicable law.