

## **SECTION 1 PURPOSE AND DEFINITIONS**

### **1.01 PURPOSE**

The purpose of these Design Standards is to provide certain minimum standards for the design, construction, repair and alteration of streets, roadways, alleys, drainage, sewerage, parks, landscaping, irrigation, water supply facilities, and all appurtenances thereto, within the City of West Sacramento, where any portion of such improvement is to be dedicated to the City of West Sacramento and accepted for operation and/or maintenance.

Any items which are not included in these Standards shall be designed in accordance with the current editions of the following documents:

- The current edition of the California State Highway Design Manual;
- The current edition of the California Manual of Traffic Control Devices (CAMUTCD);
- California State Traffic Operations Manual;
- City of West Sacramento Municipal Code (as hereinafter defined);
- City General Plan, City Master Plans, and any applicable Specific Plan(s) of the City of West Sacramento;
- Generally accepted engineering practices; and
- As directed by the City Engineer.

At the City's professional discretion, these minimum standards may be modified by written request and subsequent approval of the City Engineer.

### **1.02 DEFINITIONS**

In these Design Standards, Private Development Standards, the Standard Construction Specifications, and the Standard Details, the intent and meaning of the terms that are used shall be as defined in the General Conditions , except as modified or added hereafter.

- A. AUTHORIZED MATERIAL LIST (AML) - List of currently approved manufactured materials and equipment installed and maintained throughout the City infrastructure.
- B. CAPITAL IMPROVEMENT PLANS - Improvement plans directly prepared by the City or through a Consultant Design Engineering Contract with the City for construction of public improvements and all other work performed within City rights-of-way, easements, or City property.
- C. CITY - Shall mean the City of West Sacramento, a municipal corporation.
- D. CITY ENGINEER - Shall mean the City Engineer of the City of West Sacramento, California, or their representative.
- E. CITY INSPECTOR - Capital Projects Department, Construction and Facilities Develop-

ment Division Inspector/Representative responsible for the inspection of all Capital Improvement Projects, and Development Improvement Projects and On-Site Improvement Projects constructed by Developers within the City.

- F. CONSULTING ENGINEER - Any person or persons, firm, partnership, or corporation legally authorized to practice Civil Engineering in the State of California who prepares or submits development improvement plans and specifications on behalf of a Developer, Specific Plans, Master Plans, Utility Studies, etc., for the Community Development Department or Capital Projects Department of the City of West Sacramento for approval.
- G. DEVELOPER - Shall mean any person, firm, corporation, partnership, or association engaged in the development of private property in part or in whole by the placing of any improvements thereon and any development related public infrastructure improvements to be accepted by the City, whether the property was previously developed in whole, in part, or at all.
- H. DEVELOPMENT - Shall mean the act or process of construction on real property, residential, commercial, offices, multifamily, or industrial subdivisions as well as buildings on individual lots or parcels. Development also includes construction of public improvements within public rights-of-way required as a condition of approval for a private development project.
- I. DEVELOPMENT IMPROVEMENT PLANS (Sometimes referred to as “Drawings,” “Public Improvement Plans,” or “Construction Plans) - Shall mean engineering drawings detailing street alignment, grade, geometric section, and structural section; sanitary sewer alignment, grade, and size; water system alignment, size, valving, and fire hydrant assembly and location; storm drain alignment, grade, and size; landscaping; streetlighting and traffic signal improvements; and other miscellaneous improvements prepared by a California Registered Professional Engineer, Architect or Landscape Architect, as required and approved by the City Engineer.
- J. EASEMENT - Shall mean an easement dedicated to the City or Public Utility, which shall be continuing and irrevocable unless formally vacated.
- K. ENGINEERING DIVISION - Shall mean either the Development Engineering Division of the Community Development Department, also referred to in this document as DE Division (Private Development Conditions Setting and Improvement Plan Checking), or the Construction and Facilities Development Division of the Capital Projects Department (Construction Inspection) of the City of West Sacramento, as appropriate.
- L. GRADING ORDINANCE - Shall mean the latest edition of the “Grading Ordinance” of the City Municipal Code as adopted by the City Council of the City of West Sacramento.
- M. IMPROVEMENTS - Refers to structures, street work, sidewalk, curb, gutter, driveways, water mains, sanitary sewer, storm drainage, streetlighting, traffic signals, public utilities, landscaping, irrigation, parks, fences, and other related infrastructure or facilities to be constructed or installed by the Developer/Contractor within an existing or future public right-of-way or easement and other improvements. City approval of the design of Developer Public Improvement Plans are the responsibility of the

Community Development Department (Improvement Plan Checking). Capital Projects Department is responsible for the design of City Capital Improvement Projects and construction inspection of all public construction projects with the City.

- N. LATEST EDITION - Shall mean the most recent edition of the subject document, which has been adopted by the City of West Sacramento.
- O. MANUAL OF TRAFFIC CONTROLS - Shall mean the "California Manual of Traffic Control Devices" (CAMUTCD), of the State of California, Department of Transportation, latest edition.
- P. ON-SITE DEVELOPMENT IMPROVEMENT PLANS - Plans for construction of improvements for commercial, industrial, multi-family, and single-family residential development located outside of City rights-of-way or public easements.
- Q. PUBLIC IMPROVEMENT PLANS - Plans prepared for construction of public improvements required of subdivisions and all other work performed within the City rights-of-way or easements.
- R. RECORD DRAWING - Plan sheet(s) depicting the "as-built" condition of all public improvements constructed, highlighting, and detailing any changes that were made from the originally approved design, as constructed by the Contractor, reviewed by the Design Engineer, and approved by the City Engineer. Such revisions may include, but are not limited to, water, sewer and storm drain improvements (including plans & profile revisions), and curb, gutter sidewalk, roadway, and landscaping improvements.
- S. SOILS REPORT - Shall mean a report as prepared by any person, persons, firm, partnership, or corporation legally licensed to prepare said document in the State of California.
- T. SOILS (GEOTECHNICAL) ENGINEER - Shall mean a person, persons, firm, partnership, or corporation legally licensed and qualified to perform Geotechnical Engineering in the State of California.
- U. STANDARD CONSTRUCTION SPECIFICATIONS - Shall mean Division IV, "Standard Construction Specifications" of the City Standard Specifications of the City of West Sacramento, latest edition.
- V. STANDARD DETAILS - Shall mean Division V, "Standard Details" of the City Standard Specifications of the City of West Sacramento.
- W. STATE HIGHWAY DESIGN MANUAL - Shall mean the "Highway Design Manual" of the State of California Department of Transportation, latest edition.
- X. STATE TRAFFIC MANUAL - Shall mean the "California Manual of Traffic Control Devices (CAMUTCD)," of the State of California, Department of Transportation, latest edition.
- Y. STATE STANDARD SPECIFICATIONS - Shall mean the "Standard Specifications" of the State of California, Department of Transportation, Latest Edition, unless otherwise stated.
- Z. STATE STANDARD PLANS - Shall mean the "Standard Plans" of the State of California, Department of Transportation, Latest Edition, unless otherwise stated.

- AA. SUBDIVISION ORDINANCE - Shall mean the "Subdivision Ordinance," being Title 16 of the City Municipal Code, as adopted by the City Council of the City of West Sacramento, including all subsequent approved updates.
- BB. WATER EFFICIENT LANDSCAPE ORDINANCE (WELO) - Title 13, Section 13.04, Article X of the City Municipal Code. as adopted by the City Council of the City of West Sacramento, including all subsequent City approved updates.
- CC. ZONING ORDINANCE - Shall mean the "Zoning Ordinance" of the City Municipal Code as adopted by the City Council of the City of West Sacramento, including all subsequent City approved updates.

### **1.03 CONFLICTS WITH STANDARD SPECIFICATIONS, STATE STANDARD PLANS, AND CALIFORNIA BUILDING STANDARDS CODE/FIRE CODE**

Should there be any conflict identified between the City Standard Specifications and the latest edition of the State Standard Specifications, Standard Plans and California Building Standards Code/Fire Code by the Bidder, Developer, Consultant Engineer, or Construction Contractor, the identified conflict shall be brought to attention, in writing, to the City Engineer for resolution. The City Engineer's determination or direction will be final.