

**CITY OF VACAVILLE
DEPARTMENT OF PUBLIC WORKS
DESIGN STANDARDS
SECTION DS 1**

GENERAL

DS 1-01 PURPOSE: The purpose of the City Standard Specifications is to provide minimum standards for the design, construction, repair and alterations of streets, roadways, alleys, drainage, sewage, street lighting, water supply facilities and all appurtenances thereto and all other improvements which will be accepted by the City Council of the City of Vacaville for ownership, operation, and maintenance. The City Standard Specifications establishes the minimum values for the design and construction of public improvements. The word “minimum” implies the lowest acceptable limit in design. Improved design or improved materials may be required by the City Engineer/Director of Public Works.

It is recognized that it is not possible to anticipate all design situations. The Design Standards are intended to cover only normal or typical situations encountered in design. Therefore, any situations not included in the City Standard Specifications shall be designed in accordance with acceptable engineering practice and as specified by the City Engineer and the Director of Public Works. Specifically, the latest edition of the following manuals shall be used, in order of precedence:

1. *Caltrans Highway Design Manual.*
2. *Federal Highway Administration Manual of Uniform Traffic Control Devices with the California Supplement..*
3. *A Policy of Geometric Design of Highways and Streets, AASHTO*

The City Standard Specifications are necessary in order to provide for coordinated development of required public facilities to be used by and for the protection of the public. The City Standard Specifications shall apply as of the date of approval or revision as noted on the document and are not considered retroactive.

DS 1-02 DEFINITIONS: Whenever the following terms or titles are used in the Design Standards, Construction Standards, and Standard Drawings, or in any document or instrument where these standards govern the intent and meaning shall be as herein defined:

- A. **CALIFORNIA TEST PROCEDURES** – Shall mean the most current edition of the State of California Department of Transportation California Test Methods.
- B. **CALTRANS STANDARD SPECIFICATIONS or STATE SPECIFICATIONS** – Shall mean the most current edition of the State of California, Department of Transportation Standard Specifications.
- C. **CITY** – Shall mean the City of Vacaville, Solano County, State of California, a municipal corporation.

- D. CITY ENGINEER** - Shall mean the City Engineer, acting either directly or through properly authorized agents, such agents acting within the scope of the particular duties entrusted to them.
- E. CITY ENGINEER/DIRECTOR OF PUBLIC WORKS** - Shall mean either the City Engineer and/or the Director of Public Works, each acting within the scope of responsibilities entrusted to them.
- F. CITY STANDARD SPECIFICATIONS or CITY STANDARDS** - Shall mean the most current edition of the City of Vacaville Standard Specifications which includes the Design Standards, Construction Standards, and the Standard Drawings.
- G. COMPACTION** – Unless otherwise specified, shall mean the Modified Proctor method for measuring compaction performed in accordance with ASTM D1557.
- H. CONSTRUCTION STANDARDS** – Shall mean the total volume of text of the City of Vacaville Standard Specifications which includes the Construction Standards and the Standard Drawings.
- I. CONTRACTOR** - Shall mean any person or persons, firm, partnership, corporation, or combination thereof, licensed to perform the type of work involved, who has entered into any contract for the construction of any improvement or portions of any improvement within the City of Vacaville.
- J. DEPARTMENT** – The Department of Public Works of the City of Vacaville.
- K. DESIGN** - Shall mean any improvement or portion of any improvement within the public right-of-way or easement, as required by the City Engineer or Director of Public Works.
- L. DESIGN ENGINEER** – Any person or persons, consulting engineer, firm, partnership, or corporation legally authorized to practice engineering in the State of California who prepares or submits Project Plans, specifications, or other engineering documents such as but not limited to masterplans, special studies, or reports to the City Engineer/Director of Public Works for approval.
- M. DESIGN STANDARDS** – Shall mean the most current total volume of text of the City of Vacaville Standard Specifications which includes the Design Standards.
- N. DEVELOPER** - Shall mean any person, firm, corporation, partnership or association engaged in the development of property in part or in whole by the placing of any improvements thereon, whether the property was previously developed in whole, in part, or at all.
- O. DEVELOPMENT** – The act, process, or result of any grading of land, utility installation, street or building construction on property.
- P. DIRECTOR OF PUBLIC WORKS** - Shall mean the Director of Public Works, acting either directly or through properly authorized agents, such agents acting within the scope of the particular duties entrusted to them.
- Q. EASEMENT** - Shall mean an easement dedicated to the City or Public Utility.

- R. INSPECTOR** - All persons employed by the City to be responsible to the Director of Public Works and under his direction to inspect the work as the construction proceeds.
- S. IMPROVEMENTS** - Refers to any construction, facility, or item to be installed by the developer on land to be used for public owned lands, right-of-way or easement.
- T. LAND SURVEYOR** - Shall mean any person or persons, firm, partnership, or corporation legally authorized to practice land surveying in the State of California.
- U. PROJECT PLANS** – (also referred to as Improvement Plans, Construction Plans and Plans) Shall mean the Project Plans and Standard Drawings, project files , typical cross sections, working drawings and supplemental drawings or reproductions thereof approved by the City Engineer /Director of Public Works, which show the location, character, dimensions and details of the work to be performed. All such documents are to be considered as part of the Project Plans whether or not reproduced as a part of the Project Plans or Special Provisions.
- V. SOILS REPORT** - Shall mean a report as prepared by any person or persons, firm, partnership, or corporation legally licensed to prepare “Soils Reports” in the State of California.
- W. SPECIAL PROVISIONS** – The special provisions are specific clauses setting forth conditions or requirements peculiar to the work and supplementary to the City Standard Specifications.
- X. STANDARD DRAWINGS** - Shall mean the most current Standard Drawings of the City of Vacaville included with the Standard Specifications.