

# SECTION 1

## PURPOSE, DEFINITIONS AND ABBREVIATIONS (PD)

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# SECTION 1

## PURPOSE, DEFINITIONS AND ABBREVIATIONS (PD)

- 1-1 **PURPOSE** – The purpose of these Public Facility Improvement Standards is to provide **minimum** standards for the construction of improvements, which are to be dedicated to the public, and accepted by the City for maintenance and/or operation. These Public Facility Improvement Standards may also apply to certain private works, as well as improvements to be installed within existing rights-of-way and easements. This is necessary to provide for coordinated development of required facilities to be used by and for the protection of the health, safety and welfare of the public. These Public Facility Improvement Standards will apply to, regulate, and guide construction of streets, bikeways, alleys, traffic signals. Grading and site access, drainage facilities, sewage collection and treatment facilities, water distribution and treatment systems, and the related public improvements, and will set guidelines for all private works which involve drainage, grading, trees and related improvements.
- 1-2 **CONSTRUCTION PRACTICE** – Because it is virtually impossible to anticipate all situations that may arise, or to prescribe specifications applicable to every situation, any items or situations not included in these Public Facility Improvement Standards will be constructed in accordance with approved project improvement plans, accepted construction practices, the City of Lincoln “Design Criteria & Procedures Manual”, the State of California Department of Transportation (Caltrans) Construction Manual, the State of California Department of Transportation (Caltrans) Standard Plans, and/or other standards and as specified by the City Engineer.
- 1-3 **DOCUMENT CONFLICTS** – Should conflicts arise between documents, the approved project improvement plans will govern over these Public Facility Improvement Standards. These Public Facility Improvement Standards will govern over the Caltrans Standard Specifications. In the event of conflict between applicable documents and/or plans, the most restrictive will prevail.
- The City Engineer may require additional specifications and/or regulations when deemed necessary to protect the health, safety and welfare of the public. All reference to specifications, standards, or other publication refer to the most current issue.
- 1-4 **MATERIALS** – Materials have been specified in the related sections of these Public Facilities Improvement Standards. There may be a product name and part number specified. This has been done to maintain the efficiency and compatibility necessary for the City of Lincoln’s various systems. If a particular item is not listed, it is not a negative reflection on that item, but merely that it is inefficient for both warehousing and maintenance purposes.
- 1-5 **DEFINITIONS** – Whenever these terms or titles are used in these specifications, or in any document or instrument where these specifications govern, the intent and meaning will be defines as:

- A. **Applicant** – The Developer or their consulting engineering working on their behalf.
- B. **Approved Plans** – All plans prepared for the construction of improvements, reviewed, approved and signed by the necessary Departments within the City of Lincoln.
- C. **Best Management Practices (BMP)** – Usually related to storm water pollution prevention management practices (SWPPP).
- D. **City** – The City of Lincoln and applicable Departments
- E. **City Engineer** – The City Engineer or designated representatives of the City of Lincoln, acting either directly or through the staff of the appropriate divisions of the Engineering Department.
- F. **Competent Person** – One who is capable of identifying existing and predictable hazards in the surrounding or working conditions which are unsanitary, hazardous, or dangerous to employees, and who has authorization to take prompt corrective measure to eliminate them.
- G. **Compaction** – The increase in density of a soil or rock fill by mechanical means.
- H. **Consulting Engineer** – Any person(s), firm(s), partnership(s), corporation(s), or combination of, legally and currently registered, licensed and authorized to practice professional engineering in the State of California who prepares or submits improvements plans and specifications for approval by the City Engineer of the City of Lincoln.
- I. **Contractor** – Any person(s), firm(s), partnership(s), corporation(s) or combination of currently licensed to perform the type of work involved, who has entered into a contract with any person, corporation or company, or their legal representatives, for the construction of any approved improvement, or portion of any public improvement, within the City of Lincoln.
- J. **Department of Public Works** – The Department of Public works of the City of Lincoln. Any person(s), firm(s), partnership(s), corporation(s) or combination of who has entered into a contract with the City of Lincoln to provide engineering or inspection services for the construction of any approved improvement, or portion of any improvement, within the City of Lincoln. Including the Department of Public Services and Engineering Department.
- K. **Details** – The detail drawings in these Public Facility Improvement Standards as approved or as amended by the City Engineer.
- L. **Developer** – Any person(s), firm(s), partnership(s), corporation(s) or combination of, financially responsible for the work involved.

- M. **Development** – The act of process of any construction on properties as well as subdivision improvements. The standard detail drawings in these Public Facility Improvement Standards as approved or as amended by the City Engineer are listed in the report Sections 2.10, 3.10, 4.16, 5.16, 6.12, 7.6, 8.14, 9.39, and 10.17. It is the Contractor’s and/or Developer’s responsibility to identify the appropriate standard details from these section lists. If clarification is needed for any of the applicable Standard Details, then it is the Contractor’s and/or Developer’s responsibility to contact the City Engineer to obtain the necessary clarification.
  
- N. **Domestic Origin** – All manufacturing processes involved in the production of the product will occur within the United States for the product to be considered as being of “domestic origin”. With steel/iron products this includes smelting or any subsequent process, which alters the material’s physical form, shape, or chemical composition, such as bending, drilling, coating, etc. Coatings include epoxy, galvanizing, painting, etc. and will be included in the production process. The manufacturing process will include all grinding, drilling, and finishing of the steel/iron project and is considered complete when the item is ready for use (i.e., fencing, posts, girders, pipe, manhole covers, etc.).
  
- O. **Environmental Review** – The California Environmental Quality Act (CEQA) and the City may require the preparation of environmental documents concerning a proposed project. Work in and around streambeds may require Department of Fish and Wildlife or Clean Water Act permits. Any required environmental review will be completed before the project improvement plans are approved.
  
- P. **Erosion Control Plan Manual** – The latest edition of the “Erosion & Sediment Control Guidelines for Developing Areas of the Sierras” published by the High Sierra Resource Conservation & Development Council for use in the preparation of erosion and sediment control plans.
  
- Q. **Fees** – The schedule of fees and costs will be those established and adopted by the City Council from time to time by resolution or ordinance.
  
- R. **Geotechnical Engineer** – A professional engineer, currently licensed by the State of California as qualified in the field of soil mechanics and soil engineering, and use the title “soil engineer” or “geotechnical engineering consultant.
  
- S. **Green Book** – The latest edition of the “Standard Specifications for Public Works Construction” published by BNI.
  
- T. **Grid Coordinates** – California State Plan Zone II, NAD 83, NGVD 29 coordinate projection.
  
- U. **Ground Coordinates** – Local Plane coordinate system used by the engineer on a given project.

- V. Hazards** – Any work or condition on private or public property that constitutes a hazard to public safety; endangers property; adversely affects the safety, use, or stability of adjacent property; an overhead or underground utility, or a public way, watercourse or drainage channel; or could adversely affect the air quality, or the water quality of any water bodies or water courses.
  
- W. Improvements** – Refers to the street work, bridges, sidewalk, curb, gutter, driveways, sanitary sewer, water, water storage facilities, reclaimed water, storm drainage, traffic signals, public utilities, landscaping, irrigation, parks, fences, walls, and other facilities to be constructed or installed, by the developer within an existing or future public right-of-way or easement, private areas, and other improvements that the City of Lincoln is responsible to inspect.
  
- X. Improvement Standards** – The latest adopted version with all amendments and revisions of the City of Lincoln Public Facility Improvement Standards.
  
- Y. Laboratory** – Any testing agency or testing firm, which has been approved by the Public Services Department or City Engineering.
  
- Z. Manual of Traffic Controls** – The “Manual on Uniform Traffic Control Devices” (MUTCD), of the State of California, Department of Transportation (Caltrans), latest edition.
  
- AA. National Pollutant Discharge Elimination System (NPDES)** – A Federal permit administered by the State Water Resource Control Board and the Regional Water Quality Control Boards (Region 5S–Central Valley).
  
- BB. Notice of Completion (NOC)** – The acceptance of the constructed improvements by the City Council of the City of Lincoln.
  
- CC. Notice of Intent (NOI)** – The notification of the State Water Resources Control Board necessary to comply with the NPDES General Permit if the project area results in the disturbance of one–acre or more of total land area, or which is part of a larger common area of development or sale.
  
- DD. Operations** – The Public Services operates the City’s water and sewer systems, repairs streets, cleans storm drains, maintains City parks, and collects garbage.
  
- EE. Owner** – The legal owner of the property on the latest equalized assessment roll in the office of the County assessor.
  
- FF. Community Development Director** – The Community Development Director of the City of Lincoln, acting either directly or through the staff of the appropriate Divisions of the Community Development Department or their authorized representatives.
  
- GG. Permit** – An official document or certificate issued by a government agency authorizing performance of a specified activity.

- HH. Public Works** – Construction of streets, sewers, water supply, etc., for public use.
- II. Public Facilities** – Streets, sewer water supply, etc., for public use.
- JJ. Rainy Season** – For the purposes of the Public Facility Improvement Standards, the rainy season is defined as October 1<sup>st</sup> to April 30<sup>th</sup>.
- KK. Relative Compaction** – The result of processing soil and moisture in the most effective manner to obtain the maximum density and stability (or as a minimum, the required percentage of compaction). All relative compaction testing will reference ASTM D–1557–1578 and/or CTM–216.
- LL. Safety Rules/Orders** – The State of California Construction Code Regulations that are reprinted in part in the CALOSHA Construction Safety Orders by BNi Building News.
- MM. Soils Report** – A report prepared by any person(s), firm(s), partnership(s), corporation(s) currently legally licensed to prepare “Soils Reports” in the State of California.
- NN. State** – As used in the State Specifications, is the City of Lincoln. If a state in the USA, is the State of California.
- OO. State Highway Design Manual** – The “Highway Design Manual” of the State of California, Department of Transportation (Caltrans), latest edition.
- PP. State Standard Plans** – The “Standard Plans” of the State of California, Department of Transportation (Caltrans), latest edition.
- QQ. State Standard Specifications** – The “Standard Specifications” of the State of California, Department of Transportation (Caltrans), latest edition.
- RR. State Traffic Manual** – The “California Manual on Uniform Traffic Control Devices” (CA MUTCD) of the State of California, Department of Transportation (Caltrans), latest edition.
- SS. State Construction Manual** – The “Construction Manual” of the State of California, Department of Transportation (Caltrans), latest edition.
- TT. Stop Work Notice** – An order issued by the City Engineer to suspend the Contractors work until an illegal or hazardous situation can be resolved.
- UU. Stormwater Management Manual** – The latest edition of the “Stormwater Management Manual” published by the Placer County Flood Control & Water Conservation District.

**VV. Survey Control Monument Network** – Network of Survey Control Monuments and published coordinates as shown in Book 16 of Surveys, page 105.

**WW. Storm Water Pollution Prevention Plan (SWPPP)** – The plan required by the National Pollutant Discharge Elimination System (NPDES) permit. This will include BMPs for stormwater management, including revegetation and winterization plan for review and approval.

**XX. Subdivision Ordinance** – The “Subdivision Ordinance” of the City Code as adopted by the City Council of the City of Lincoln.

**YY. Zoning Ordinance** – The “Zoning Ordinance” of the City Code as adopted by the City Council of the City of Lincoln.

**1-6 ABBREVIATIONS** – These abbreviations may be used in these Public Facility Improvement Standards:

|          |  |
|----------|--|
| AASHTO   | American Association of State Highway and Transportation Officials |
| AB       | Aggregate Base   |
| ABS      | Acrylonitrile–Butadiene–Styrene                                    |
| AC       | Asphalt Concrete and Alternating Current                           |
| ASB      | Aggregate Subbase  |
| ANSI     | American National Standards Institute                              |
| APWA     | American Public Works Association                                  |
| ARV      | Air Release Valve  |
| ASTM     | American Society for Testing and Materials                         |
| AWG      | American Wire Gauge  |
| AWWA     | American Water Works Association                                   |
| BCR      | Beginning of Curb Return   |
| BMPs     | Best Management Practices  |
| BO       | Blow Off   |
| CAL OSHA | State of California Occupational Safety and Health Act             |
| CalTrans | California Department of Transportation                            |
| C & G    | Curb and Gutter  |
| C–C      | Center to Center   |
| CDD      | Community Development Department                                   |
| CEQA     | California Environmental Quality Act                               |
| C.F.     | Cubic Feet   |
| CIP      | Cast–in–place  |
| C/L      | Centerline   |
| C.M.P    | Corrugated Metal Pipe  |



|         |                                    |
|---------|------------------------------------|
| Const.  | Construction                       |
| CST     | Construction                       |
| CTM     | California Test Method (State Lab) |
| Ctrs    | Centers                            |
| Cu. Ft. | Cubic Feet                         |
| DET     | Detail                             |
| Dia.    | Diameter                           |
| DIP     | Ductile Iron Pipe                  |
| DLC     | Detector Lead-in Cable             |
| DR      | Drainage                           |
| Dwg     | Drawing                            |
| EVA     | Emergency Vehicle Access           |
| Fdn.    | Foundation                         |
| FL      | Flowline                           |
| Ga.     | Gauge                              |
| Gal.    | Gallon                             |
| Galv.   | Galvanized                         |
| GR      | Grading                            |
| Horz.   | Horizontal                         |
| Hz      | Hertz                              |
| IBOC    | Internal Battery Operated Clock    |
| ID      | Inside Diameter                    |
| LED     | Light Emitting Diode               |
| LS      | Landscape                          |
| LMA     | Luminaire Mast Arm                 |
| MAS     | Mast-Arm Side mount                |
| MAT     | Mast-Arm Top mount                 |
| Max.    | Maximum                            |
| Mil.    | Millimeter                         |
| Min.    | Minimum                            |
| M.P.    | Metal Plate                        |
| NEV     | Neighborhood Electric Vehicle      |
| NOC     | Notice of Completion               |
| NOI     | Notice of Intent                   |

|           |   |
|-----------|---|
| NPDES No. | National Pollutant Discharge Elimination System Number  |
| O.C.      | On Center   |
| OD        | Outside Diameter  |
| OSHA      | Occupational Safety & Health Act  |
| P.C.C.    | Portland Cement Concrete  |
| PEI       | Photoelectric Unit  |
| P.O.C.    | Point of Connection   |
| PPB       | Pedestrian Push Button  |
| ppm       | parts per million   |
| psi       | pounds per square inch  |
| PVC       | Polyvinyl Chloride  |
| PWD       | Public Works Director/Department, Public Services Director/Department, and Engineering Department/City Engineer |
| RCP       | Reinforced Concrete Pipe  |
| RCV       | Remote Control Valve  |
| Rwd.      | Redwood   |
| RWQCB     | California Regional Water Quality Control Board–Central Valley Region 5S  |
| R.P.      | Radius Point  |
| R/W       | Right-of-Way  |
| Sch.      | Schedule  |
| SDMH      | Storm Drain Manhole   |
| SMA       | Signal Mast Arm   |
| SS        | Sanitary Sewer System   |
| SSMH      | Sanitary Sewer Manhole  |
| ST        | Street  |
| STD       | Standard  |
| SWPPP     | Storm Water Pollution Prevention Plan   |
| SWRCD     | State Water Resources Control Board   |
| TS        | Traffic Signals and Markings  |
| Typ.      | Typical   |
| UBC       | Uniform Building Code   |
| UL        | Underwriters' Laboratory, Inc.  |
| U.S.A     | Underground Service Alert   |
| VA        | Volts ampere  |

|       |                     |
|-------|---------------------|
| Var.  | Variable            |
| VCP   | Vitrified Clay Pipe |
| Vert. | Vertical            |
| WWF   | Welded Wire Fabric  |
| WWM   | Welded Wire Mesh    |

**1-7 City Observed Holidays**

The City of Lincoln observes the following holidays:

- New Year's Day
- Martin Luther King, Jr. Birthday
- Presidents Day
- Memorial Day
- 4th of July
- Labor Day
- Veterans Day
- Thanksgiving Day
- Day after Thanksgiving
- Christmas Day

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