

# Chapter 15

## Public Works Construction Details

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### Section 15.1 Purpose of This Chapter

The purpose of this Chapter is to establish construction details for all public facility improvements.

### Section 15.2 Authorization for Adoption of This Chapter

The regulations contained in this Chapter have been adopted under the following authority:

1. *Chapter 212 – Municipal Regulation of Subdivisions and Property Development of the Texas Local Government Code*, which authorizes a municipality to adopt rules governing plats and subdivisions of land within the municipality's jurisdiction.
2. *Chapter 51 – General Powers of Municipalities of the Texas Local Government Code*, which authorizes a municipality to adopt ordinances, rules, or police regulations that are for the good government, peace, or the trade and commerce of the municipality.
3. *The Home Rule Charter of the City of Colleyville*, which authorizes the City Council to exercise all powers granted to municipalities by the Constitution or the laws of the State of Texas.

### Section 15.3 Applicability of This Chapter

The provisions of this Chapter shall be applicable to all public improvements owned and maintained by the City of Colleyville and to any semi-public improvements owned and maintained by a property owner's association that are intended to serve and function as a public improvement.

### Section 15.4 Variances and Appeals

The Director of Public Services may consider a waiver of a regulation or to substitute an alternative proposal of a regulation contained in this Chapter in order to achieve the best overall design. When considering such a request, the Director of Public Services shall determine that the approval, disapproval or modification will not be detrimental to the public safety, health, or welfare or injurious to other property. The applicant shall provide information to support a claim that there are extraordinary hardships or practical difficulties which may result from strict compliance with the regulation or that the public interest may be better served by an alternative proposal.

Any person seeking approval of a development as required by this Land Development Code may appeal a decision of the Director of Public Services using the procedures described in *Chapter 1 – General Provisions* of this Land Development Code.

### Section 15.5 Construction Standards

The construction standards and details contained in the drawings in this Chapter and listed in the following tables are adopted as a part of this Land Development Code.

All drawings and details contained in this Chapter which include references to "item numbers", "specs" and "types" shall be governed by the latest version of "Standard Specifications for Public Works Construction, North Central Texas" of the North Central Texas Council of Governments ("COG"), with all amendments thereto, and shall constitute the technical specifications, except as amended by this Land Development Code.

**15.5.A PAVING DETAILS**

Detail Title	Detail Number	Revision Date
Concrete Street Sections	P-1A	April 2000
Asphalt Street Sections	P-1B	April 2000
Steel Layout Plan	P-2	April 2000
Intersection Joint Spacing	P-3A	April 2000
Concrete Pavement Joints	P-3B	April 2000
Concrete Pavement Joints	P-3C	April 2000
Standard Curb and Gutter	P-4A	April 2000
Mountable Curb and Gutter	P-4B	April 2000
Laydown Curb and Driveway	P-5	April 2000
Street Header	P-6	April 2000
Wheelchair Ramp	P-7	April 2000
Sidewalk & Pathway Standards	P-8A	April 2000
Concrete Sidewalks	P-8B	April 2000
Concrete Sidewalk	P-8C	April 2000
Manhole and Water Valve Boxout	P-9A	April 2000
Water Valve Boxout - Asphalt	P-9B	April 2000
Curb and Gutter, Sidewalk, and Driveway Typical Joint Layout	P-10	April 2000
Median Nose	P-11	April 2000
Left Turn Lane in Median	P-12	April 2000
Right Turn Lane without Channelization	P-13	April 2000
Right Turn Lane with Channelization	P-14	April 2000
Concrete Valley	P-15	April 2000
Dead End Barricade	P-16	April 2000
Metal Beam Guardrail	P-17	April 2000
Standard Wooden Fence	P-18	April 2000
Standard Masonry Fence	P-19	April 2000

**15.5.B WATER DETAILS**

Detail Title	Detail Number	Revision Date
Standard Water Line Embedment & Backfill	W-1A	April 2000
Standard Water Line Embedment & Backfill	W-1B	April 2000
Fire Hydrant Installation	W-2	April 2000
Gate Valve Installation	W-3	April 2000
Air Release Valve Assembly (Type 1)	W-4A	April 2000
Air Release Valve Assembly (Type 2)	W-4B	April 2000
Water Service Assembly	W-5A	April 2000
Meter Boxes	W-5B	April 2000
Flushing Valve Installation	W-6	April 2000
Horizontal Blocking	W-7	April 2000
Vertical Thrust Block	W-8	April 2000
Concrete Cradle at Vertical Bends	W-9	April 2000
Typical Ring Connection	W-10	April 2000
Water Line Installation Bore Detail	W-11	April 2000
3 inch and Larger Meter Vault	W-12	April 2000
Blow-off Installation	W-13	April 2000
Service Line Encasement	W-14	April 2000

**15.5.C SANITARY SEWER DETAILS**

Detail Title	Detail Number	Revision Date
Standard Sanitary Sewer Embedment & Backfill	S-1A	April 2000
Standard Sanitary Sewer Embedment & Backfill	S-1B	April 2000
Precast Sanitary Sewer Manhole	S-2	April 2000
Cast-in-place Sanitary Sewer Manhole	S-3	April 2000
Drop Sanitary Sewer Manhole	S-4	April 2000
Manhole Frame and Cover	S-5	April 2000
Extension Ring Installation	S-6	April 2000
4 inch Sanitary Sewer Service	S-7	April 2000
Sanitary Sewer Main Line Cleanout	S-8	April 2000
Abandonment of Existing Manhole	S-9	April 2000
		April 2000

**15.5.D STORM SEWER DETAILS**

Detail Title	Detail Number	Revision Date
Storm Sewer Embedment and Backfill	D-1A	April 2000
Storm Sewer Embedment and Backfill	D-1B	April 2000
Storm Sewer Embedment and Backfill	D-1C	April 2000
Storm Sewer Subsurface Drain	D-2	April 2000
Storm Sewer Inlet General Notes	D-3	April 2000
Storm Sewer Curb Inlet	D-4	April 2000
Storm Sewer Recessed Curb Inlet	D-5	April 2000
Storm Sewer Curb Inlet	D-6	April 2000
Storm Sewer Drop Inlet	D-7	April 2000
Storm Sewer Manhole	D-8	April 2000
Storm Sewer Reinforced Concrete Collar	D-9	April 2000
Storm Sewer Curbed Flume and Pilot Channels	D-10	April 2000
Storm Sewer Concrete Riprap	D-11	April 2000
Storm Sewer Sloping Headwall	D-12	April 2000
Storm Sewer Vertical Headwall	D-13	April 2000
Storm Sewer Culvert	D-14A	April 2000
Safety End Treatments	D-14B	April 2000
Erosion Control Plan	D-15A	April 2000
Erosion Control Barriers	D-15B	April 2000
Erosion Control Barrier	D-15C	April 2000

**Section 15.6 Amendments to This Chapter**

*Reserved for listing of amendments to this Chapter.*

Ord. Number	Date	Subject