



STORMWATER
ENTERPRISE

POLICY STATEMENT AND CLARIFICATION

SUBJECT: PRIVATE STORM SEWER CRITERIA
DATE: JUNE 12, 2020

OVERVIEW:

It is understood that many private storm sewer systems need some flexibility from the minimum criteria set forth in the City's Drainage Criteria Manual (DCM). This document is intended to clarify criteria regarding private storm sewers.

DETAILS:
DCM Volume 1

Chapter 1, Section 3.0 Jurisdiction

This Manual shall apply to all land within the incorporated areas of the City of Colorado Springs, including any public lands, except as may be exempted by state or federal laws. This Manual shall apply to all storm drainage systems and facilities constructed in or on public rights-of-way, easements dedicated for drainage across public or private property, easements or tracts for public use, and to all privately owned and maintained Stormwater conveyance, detention, retention, or water quality facilities.

Chapter 9, Section 9.3.2 Minimum Pipe Size

The minimum allowable pipe size for storm sewers located within rights-of-way, public easements or tracts shall be 15-inch for laterals and 18-inch for trunk lines that collect flows from laterals or from upstream trunk lines.

Chapter 9, Section 9.5.2 Alignment

Alignments may also be adjusted horizontally using prefabricated bends of no more than 45 degrees for pipes 30 inches in diameter or larger.

Chapter 9, Section 9.6.1 Required Locations (Manholes)

Manholes are required whenever there is a change in size, direction, material type, or grade of a storm sewer pipe to provide a hydraulic transition and maintenance and inspection access, except in special conditions as noted above with the use of prefabricated fittings or bends. A manhole shall also be constructed when there is a junction of two or more sewer pipes.

POLICY:

Private storm sewer systems that are equal to or less than 12" in diameter (minor systems) will not be reviewed or inspected to the same level of detail as the remaining storm system. It is incumbent on the engineer of record and contractor to ensure that these minor systems are designed and constructed in

conformance with manufacturer's specifications and the remaining clarifications below. Private storm systems greater than 12" in diameter will be reviewed and inspected for conformance with the DCM.

The minimum allowable pipe size for private storm sewers is 4-inches. PVC will be allowed for pipe sizes ranging from 4 inches up to and including 12 inches. Parallel pipes may not be used to avoid larger pipe sizes.

Private alignments may be adjusted horizontally using prefabricated bends of no more than 45 degrees for pipes of any dimension as long as maximum manhole spacing requirements are met.

When there is a junction of three or more private pipes, precast structures may be used if all joining pipes have diameters of 12 inches or below. Inlets as junctions may be used if they are privately maintained and not in the public ROW.

All other design criteria shall apply to private storm systems.

Requirements for public storm sewers are not affected by this clarification.