

Division V

Section 5400 Storm Sewers Systems & Facilities Design



**DIVISION V
CONSTRUCTION AND MATERIAL SPECIFICATIONS**

SECTION 5400 STORM SEWERS SYSTEMS AND FACILITIES DESIGN

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SECTION 5400 DESIGN CRITERIA

5400 STORM SEWERS SYSTEMS & FACILITIES DESIGN

5401 GENERAL

5401.1 Purpose

The purpose of these specifications is to provide uniformity in the City of Manhattan for Public Works storm sewers systems, concrete reinforced boxes, drainage studies, detection facilities, energy dissipaters, and open channel structures which are designed and constructed.

5401.2 Scope

These specifications are intended to cover the construction procedures and materials for the storm sewer systems and facilities design and other miscellaneous storm water items routinely constructed within the City Limits of Manhattan. Procedural and administrative items covered in Division I, General Provisions and Covenants of these specifications shall supersede such items covered in the specifications referenced below unless specifically noted in the project Special Provisions.

5402 DESIGN CRITERIA

5402.1 The City's current standard for this section is the current adopted edition of the 1995 Stormwater Management Master Plan Appendix I from the City of Manhattan; that the City Commission has adopted shall apply. This manual is available from:

City of Manhattan
1101 Poyntz Avenue
Manhattan, KS 66502

5402.2 Section 9.2 of the Stormwater Management Master Plan is no longer an acceptable method for determining allowable release rates. The new criteria for both new subdivisions and infill developments shall provide stormwater detention on site and the post development condition shall have stormwater release rates equal to or less than the predeveloped condition. Developers should continue to have licensed professional engineers prepare drainage studies on all new developments and infill projects to determine the impact and mitigating methods to keep post developed conditions for the 2 year, 10 year, and 100 year storm equal to or less than the pre-developed condition.