

MEMORANDUM

To: Planning Commission

From: David Van Dellen, Stormwater Manager

Date: May 9, 2019

Title: Storm Drainage Design and Technical Criteria Manual

Attached is a draft memo being presented to Town Council, seeking approval of an Ordinance Amending Title 15.36 of the Castle Rock Municipal Code Adopting by Reference as a Primary Code the Town of Castle Rock, Colorado Storm Drainage Design and Technical Criteria Manual. This item is scheduled for a first reading at Town Council on May 21, 2019, and a second reading on June 18, 2019.

The draft Storm Drainage Design and Technical Criteria Manual will be posted online at CRgov.com/stormwater as soon as it is available for review.

w/o Attachments



Town of Castle Rock

DRAFT

Agenda Memorandum

Agenda Date: 5/21/2019

Item #: 14. **File #:** TMP 2019-267

To: Honorable Mayor and Members of Town Council

From: Mark Marlowe, P.E., Director of Castle Rock Water

An Ordinance Amending Title 15.36 of the Castle Rock Municipal Code Adopting by Reference as a Primary Code the Town of Castle Rock, Colorado Storm Drainage Design and Technical Criteria Manual - First Reading

Executive Summary

The purpose of this memorandum is to request approval of an Ordinance (**Attachment A**) amending Title 15.36 of the Castle Rock Municipal Code, adopting by reference as a Primary Code the Town of Castle Rock, Colorado Storm Drainage Design and Technical Criteria (Storm Drainage) Manual (**Attachment B**) - First Reading. Changes to the Storm Drainage Manual generally include modifications to align with the current Phase II Stormwater Discharge Permit the Town is regulated under through the Colorado Water Quality Control Division, add underdrain requirements for lot-to-lot residential applications, and other criteria revisions to reduce the maintenance burden on storage and water quality treatment facilities.

Notification and Outreach Efforts

Town staff provided public notification on April 26, 2019 to the local Home Builders Association and Economic Development partners outlining the proposed changes and a copy of the draft revisions was made available on the Town's website on April 26, 2019.

Public notice was provided on this item in accordance with Municipal Code.

History of Past Town Council, Boards & Commissions, or Other Discussions

The Storm Drainage Manual was originally adopted by Municipal Code in 2006 and updated in 2012.

This topic was presented to the Castle Rock Water Commission at their meeting on April 24, 2019. The Commission voted unanimously to recommend approval to Town Council.

This topic was presented to the Planning Commission at their meeting on May 9, 2019. The Commission voted_____.

Discussion

Staff recommends the following amendments to the Storm Drainage Design and Technical Criteria (Storm Drainage) Manual:

1. Modify the definition for Redevelopment Sites in accordance with current Stormwater Phase II Permit requirements.
2. Allow for up to twenty percent of the site, not to exceed one acre, bypassing a water quality capture volume facility when site constraints make this unfeasible.
3. Add design standards for water quality treatment including water quality capture volume standard, pollutant removal standard, runoff reduction standard, regional water quality capture volume standard, and constrained redevelopment sites standard.
4. Add criteria for required release volumes in accordance with Colorado Revised Statute 37-92-602(8) "Concerning a Determination that Water Detention Facilities Designed to Mitigate the Adverse Effects of Storm Water Runoff Do Not Materially Injure Water Rights."
5. Prohibit the use of well screens on stormwater outlet structures.
6. Add clarifying language regarding maintenance access for detention facilities.
7. Add requirement for sub-surface drainage collection systems in residential neighborhoods where lot-to-lot drainage is designed.

Budget Impact

There are no budget impacts associated with this revision.

Staff Recommendation

Staff recommends approval of an Ordinance amending Title 15.36 of the Castle Rock Municipal Code, adopting by reference as a Primary Code the Town of Castle Rock, Colorado Storm Drainage Design and Technical Criteria Manual.

Proposed Motion

"I move to approve the Ordinance as introduced by title."

Attachments

Attachment A: Ordinance
Attachment B: Storm Drainage Manual