

CASTLE ROCK WATER

ORDINANCE 2019-013 ILLICIT DISCHARGE, EROSION CONTROL AND STORM DRAINAGE REVISIONS-1ST READING

MAY 21, 2019



2019 STORMWATER CRITERIA

OVERVIEW



- Updates driven by new state standards for stormwater management under the Phase II MS4 Permit
- Amending Illicit Discharge and Connection Code
- Repealing and reenacting Temporary Erosion and Sediment Control Manual, adoption by reference
- Repealing and reenacting Storm Drainage Design and Technical Criteria Manual, adoption by reference

 **COLORADO**
Department of Public Health & Environment

**CERTIFICATION TO DISCHARGE UNDER
CDPS GENERAL PERMIT COR080000
STORMWATER DISCHARGES ASSOCIATED WITH
MUNICIPAL SEPARATE STORM SEWER SYSTEMS (MS4)**

Certification Number: **COR080012**

This Certification to Discharge specifically authorizes:

Town of Castle Rock
to discharge stormwater from its MS4
(including the entire area within its jurisdictional boundary)
to
East Plum Creek - Plum Creek

Certification modified, issued, and effective: 4/5/2018
Modification 1 to update description of discharge area
Originally Issued 4/15/2016 Originally effective 7/1/2016
Expiration Date : 6/30/2021

This certification under the permit requires that specific actions be performed at designated times. The certification holder is legally obligated to comply with all terms and conditions of the permit.

Approved by
Margo Griffin
Acting Permits Unit 1 Manager
Water Quality Control Division

4000 Cherry Creek Drive E., Denver, CO 80246-1500 P 303-692-2000 www.colorado.gov/cdphe/wqcd
John W. Hickenlooper, Governor | Larry W. Williams, MD, MPH, Executive Director and Chief Medical Officer

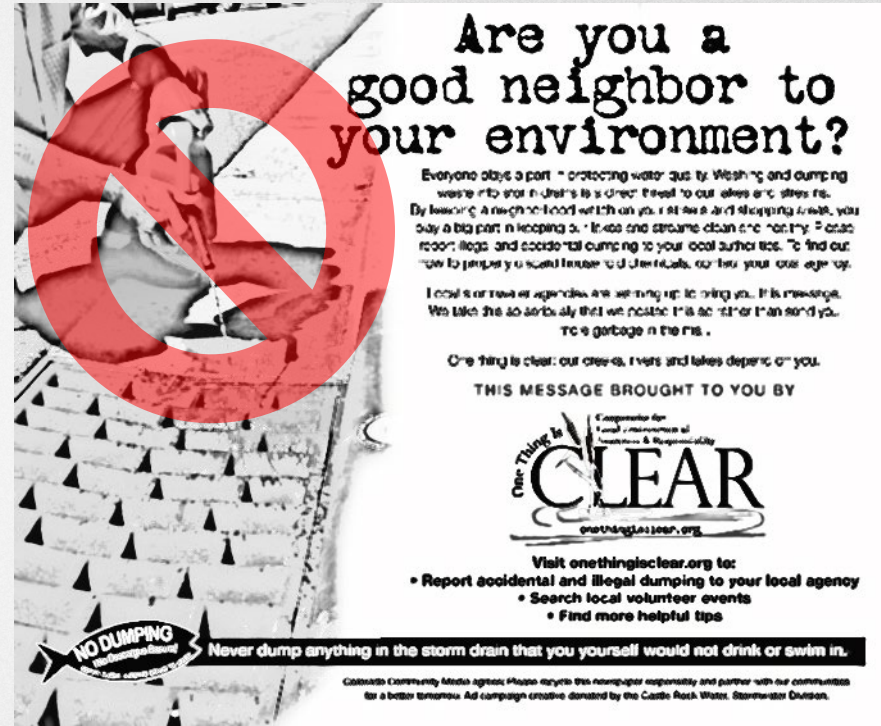


2019 STORMWATER CRITERIA

ILLICIT DISCHARGE AND CONNECTION

SUMMARY OF CHANGES

- Last updated in 2012
- Update allowable discharge list in accordance with state standards
- Examples include hydrant flushing, dye testing and de minimis discharges
- Continue administering existing programs to protect water quality and drinking water supplies

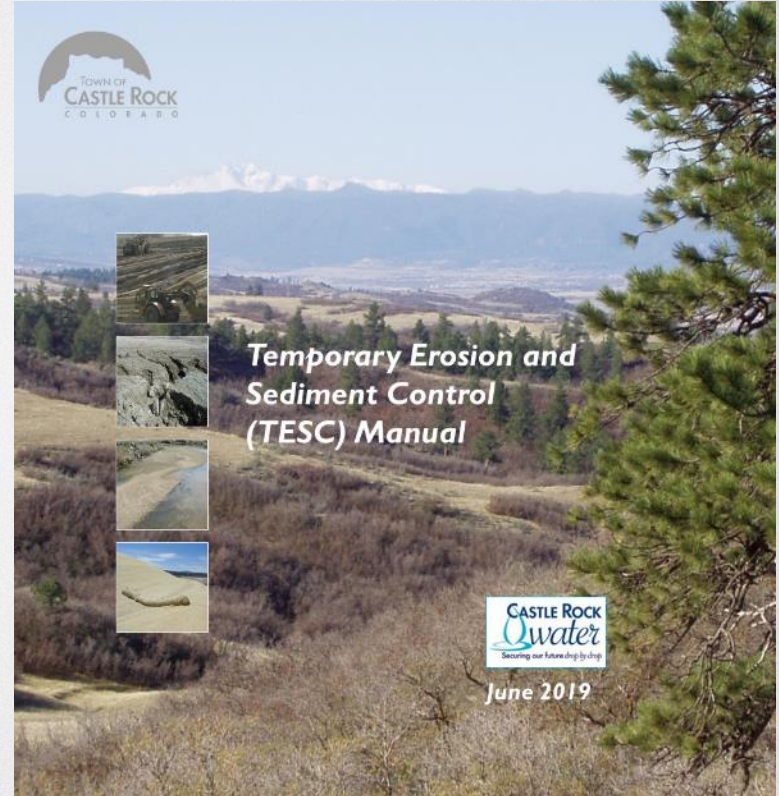


2019 STORMWATER CRITERIA

TESC MANUAL

OVERVIEW OF CHANGES

- Last updated in 2015
- Primarily compliance driven changes
- Changing name for clarity
- Program adjustments for efficiencies and effectiveness

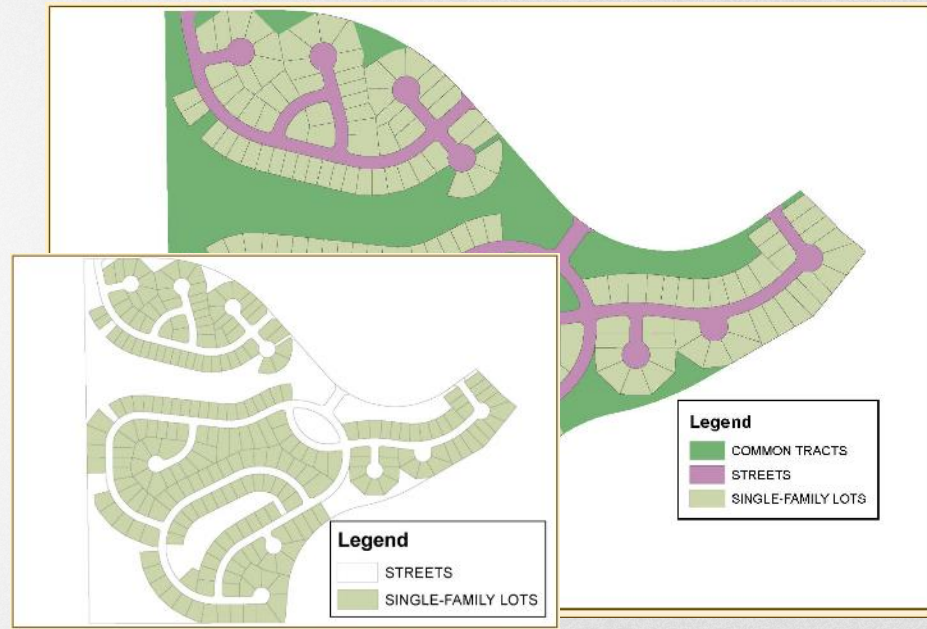


2019 STORMWATER CRITERIA

TESC MANUAL

VERTICAL RESIDENTIAL CONSTRUCTION

- Discontinuing DESC permits on individual lots to reduce resource demands (45 day inspections)
- New TESC Permit for residential subdivisions during vertical construction to match industry practices



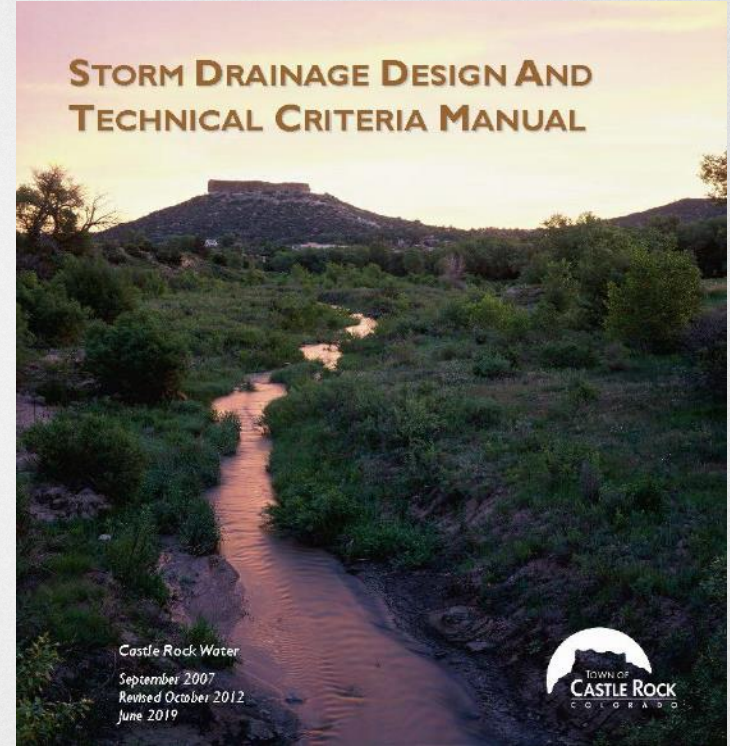
TESC coverage area during vertical residential construction

2019 STORMWATER CRITERIA

STORM DRAINAGE DESIGN CRITERIA

OVERVIEW OF CHANGES

- Last updated in 2012
- Primarily compliance driven changes
- Addressing groundwater concerns in residential development



2019 STORMWATER CRITERIA

STORM DRAINAGE DESIGN CRITERIA

CHANGES IN DESIGN STANDARDS

- New exclusions from water quality treatment on certain types of development (roadways, trails, etc.)
- Expanding alternatives for water quality treatment and adopting measurable standards
- Discouraging underground treatment (by variance only)
- Constrained redevelopment is getting tighter and more defined
- More specificity and guidance for operation and maintenance



Subsurface Proprietary Systems by variance only

2019 STORMWATER CRITERIA

STORM DRAINAGE DESIGN CRITERIA

ADDRESSING GROUNDWATER CONCERNS

- Impacts to streets due to surfacing groundwater
- Chase drains help but are not a long-term solution
- New criteria discourages lot to lot drainage where issues generally arise
- Requires installation of subsurface drains where lot to lot drainage is unavoidable or where significant open space occurs
- Benefits life cycle of streets and reduces nuisance drainage concerns for residents



Subsurface Drain retrofit layout in impacted street

2019 STORMWATER CRITERIA

OUTREACH, RECOMMENDATIONS AND SCHEDULE

- Notifications to local Home Builders Association and Economic Development Council
- Presentations at local contractor luncheon and Developers Roundtable
- Recommendations for approval by Water Commission and Planning Commission
- Staff recommends approval
- Schedule – Second Reading on June 18, 2019



THANK YOU

QUESTIONS

- Recommended Motion: *"I move to approve Ordinance as introduced by title."*