

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  
CDP'S 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 S., Denver, CO 80246-1500 | P: 303.692.2000 | [www.colorado.gov/cdphe/](http://www.colorado.gov/cdphe/) | [www.colorado.gov/cdphe/](http://www.colorado.gov/cdphe/) | [www.colorado.gov/cdphe/](http://www.colorado.gov/cdphe/)  
John W. Hickenlooper, Governor | Larry W. Hahn, 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



**Are you a good neighbor to your environment?**

Everyone plays a part in protecting water quality. Washing and dumping waste into storm drains is direct travel to our lakes and streams. By leaving a neighborhood with clean water and clear sleeping areas, you play a big part in keeping our lakes and streams clean and healthy. Please report illegal and accidental dumping to your local authorities. To find out how to properly dispose of chemicals, contact your local agency.

Local state or federal agencies are working up to bring you. It is message. We take the responsibility that we make this another than send you to a garbage in the rain.

One thing is clear: our creeks, rivers and lakes depend on you.

**THIS MESSAGE BROUGHT TO YOU BY**

One Thing Is CLEAR  
A Commitment for Local Communities of Excellence & Responsibility  
onethingisclear.org

Visit [onethingisclear.org](http://onethingisclear.org) to:

- Report accidental and illegal dumping to your local agency
- Search local volunteer events
- Find more helpful tips

**NO DUMPING**  
on illegal dumpsites

Never dump anything in the storm drain that you yourself would not drink or swim in.

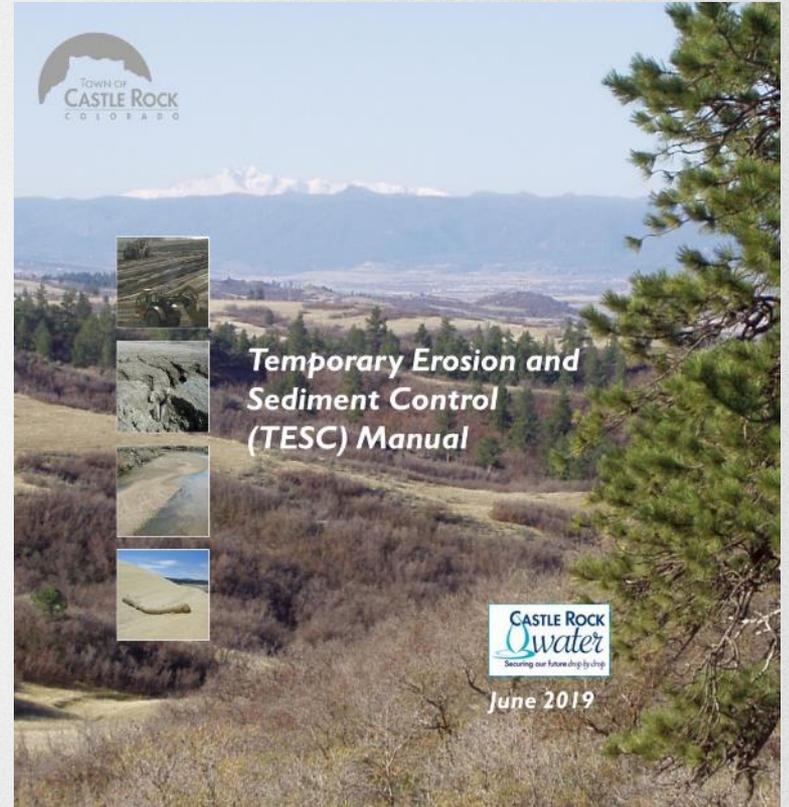
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# 2019 STORMWATER CRITERIA

## TESC MANUAL

### OVERVIEW OF CHANGES

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

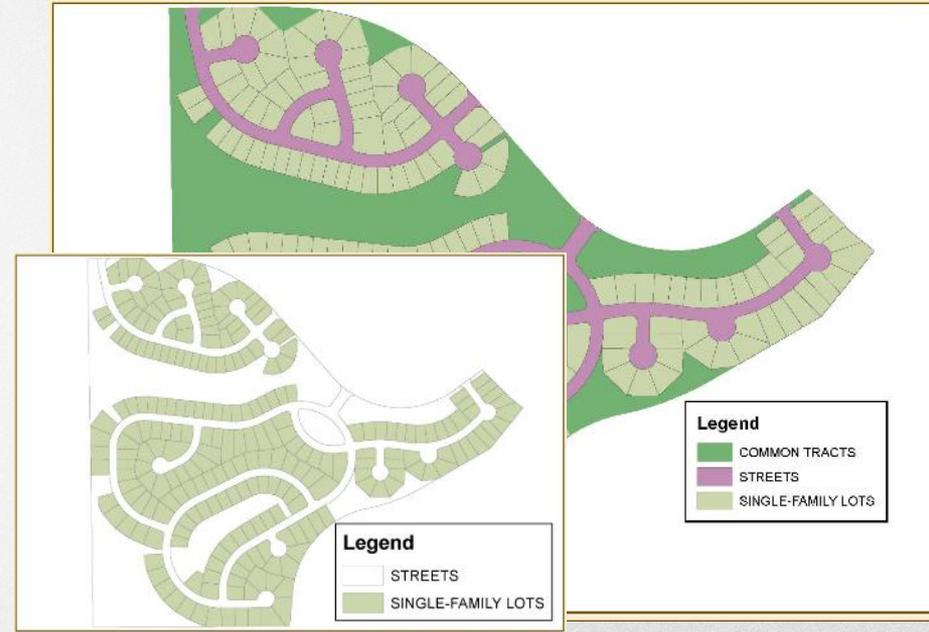


# 2019 STORMWATER CRITERIA

## 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



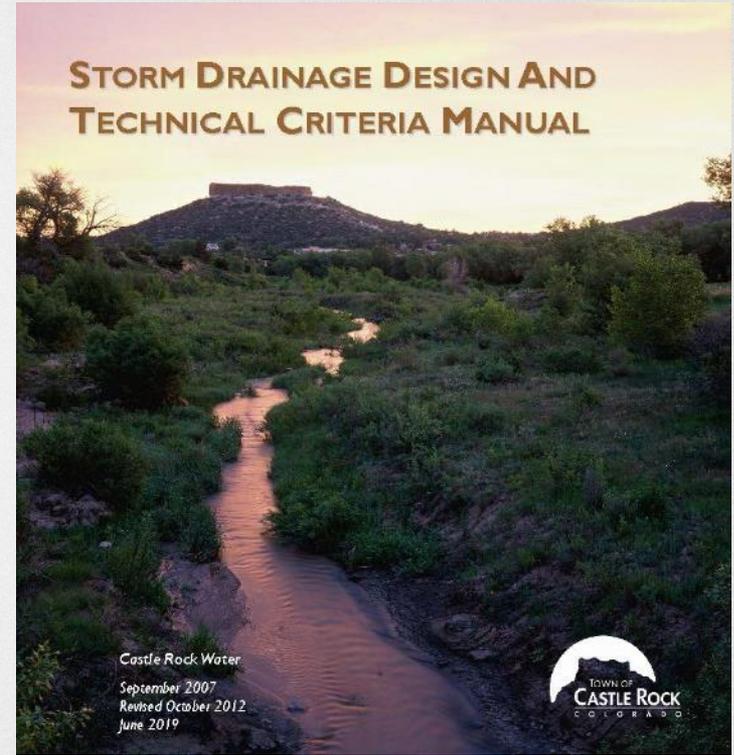
**TESC coverage area during vertical residential construction**

# 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.”*