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Storm Drainage Fees Proposed Changes

CITY COUNCIL – May 18, 2021

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AGENDA

- Proposed changes vs. what stays the same
- ↓
- Purpose of Brighton Stormwater Program
- ↓
- Impervious Area and Calculation
- ↓
- Compare Surrounding Jurisdictions

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Proposed Changes vs. What Stays the Same


- No change to residential fee - \$5.50 per month
- No change to impact fee - \$4,580 per SFD
- All other development based on impervious area and billed \$5.50/EQR on a monthly basis, three year phase in
- Credit program for eligible properties with certain private on-site storm drainage improvements

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Brighton Stormwater Program

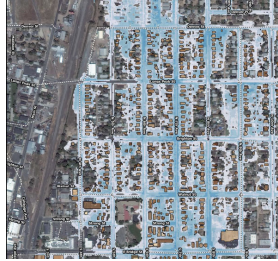
- The purpose of the City's Stormwater Program is to:
 - Coordinate the implementation and enforcement of the program areas listed on the next slide
 - To protect the city's natural resources, ensure public safety, and to continue to improve the quality of life of all residents
 - To ensure compliance with State and Federal regulations



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Brighton Stormwater Program


- MS4 Permit Requirements:
 - Public Education and Outreach
 - Illicit Discharge Detection and Elimination
 - Construction oversight
 - Permanent water quality treatment
 - Oversight of municipal operations to ensure environmental compliance
- Reduce the amount of flooding through Capital Improvement Projects



2D Flow Modeling to find locations of flooding


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Brighton Stormwater Program



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MS4 Permits




- "Municipal Separate Storm Sewer Systems"
Outcome of the Federal Clean Water Act
- Allows us to discharge storm drainage into streams, lakes, and other surface waterbodies
- Requirements
 - Reduce the amount of pollutants reaching Waters of the State of Colorado

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City Issues

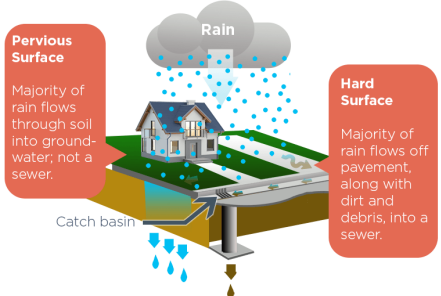
- Development occurring at upstream end of drainage basin or in locations without natural watercourses
- Need to build conveyance systems due to lack of natural drainageways
- Retention Ponds
- Undersized existing roadway crossings on Second and Third Creek



Flooding at Denver and North Main Streets. Flooding reduced by Capital Improvement Project in 2018.

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Impervious vs. Pervious Areas



Pervious Surface
Majority of rain flows through soil into groundwater, not a sewer.

Hard Surface
Majority of rain flows off pavement, along with dirt and debris, into a sewer.

Impervious area creates more stormwater runoff that must be conveyed to the South Platte River. Development largely increases the runoff amounts.

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Calculation Per Rate Study

Single Family Home	Non-Residential
Always measured as the average or 1 EQR	1 EQR = 3,164 sq. ft. Imp. Area
\$5.50 per month	Measured Imp. Area/3,164
	EQR's * \$5.50 = Monthly Charge

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Example Calculation Per Rate Study

Let's do the math

- Measured Impervious Area = 87,841
- 1 EQR = 3,164 sq. ft.
- $87,841 \div 3,164 = 27.7626$ EQR's
- $27.7626 \text{ EQR's} * \$5.50 = \$152.69$

