



# **CH. 19 FLOODPLAIN ORDINANCE**

**HOUSTON PUBLIC WORKS**

**FEBRUARY 2018**

# APPROACHES TO REDUCE RISK

- **future development + redevelopment**
  - ordinance + regulations
  - building codes + design guidelines
- **existing development**
  - CIP projects
  - buyouts, elevations, demo-rebuild

# CHAPTER 19

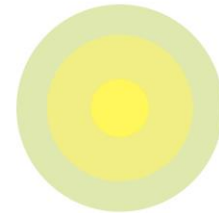
reduces the risk of flood loss in Houston

## **CURRENT CODE**

- applies to property in the 100 year floodplain
- only protects 1 foot above 100 year flood elevation

# PROPOSAL

- applies to property in the 500 year floodplain
- protects X feet above 500 year flood elevation
- no net fill in 500 year floodplain



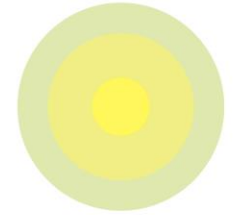
**Before 1981**  
Prior to floodplain regulation

**Current Regulations**  
Protected to 1 FT. Above 100 Year

## Floodplain & Probability

Different flood events have different chances of occurring in any given year, in any given location.

■ 100-Year Flood    1% Chance



1% Flood (100yr)

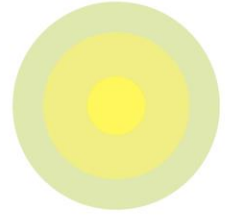
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## Floodplain & Probability

Different flood events have different chances of occurring in any given year, in any given location.

- 100-Year Flood 1% Chance
- 500-Year Flood 0.2% Chance





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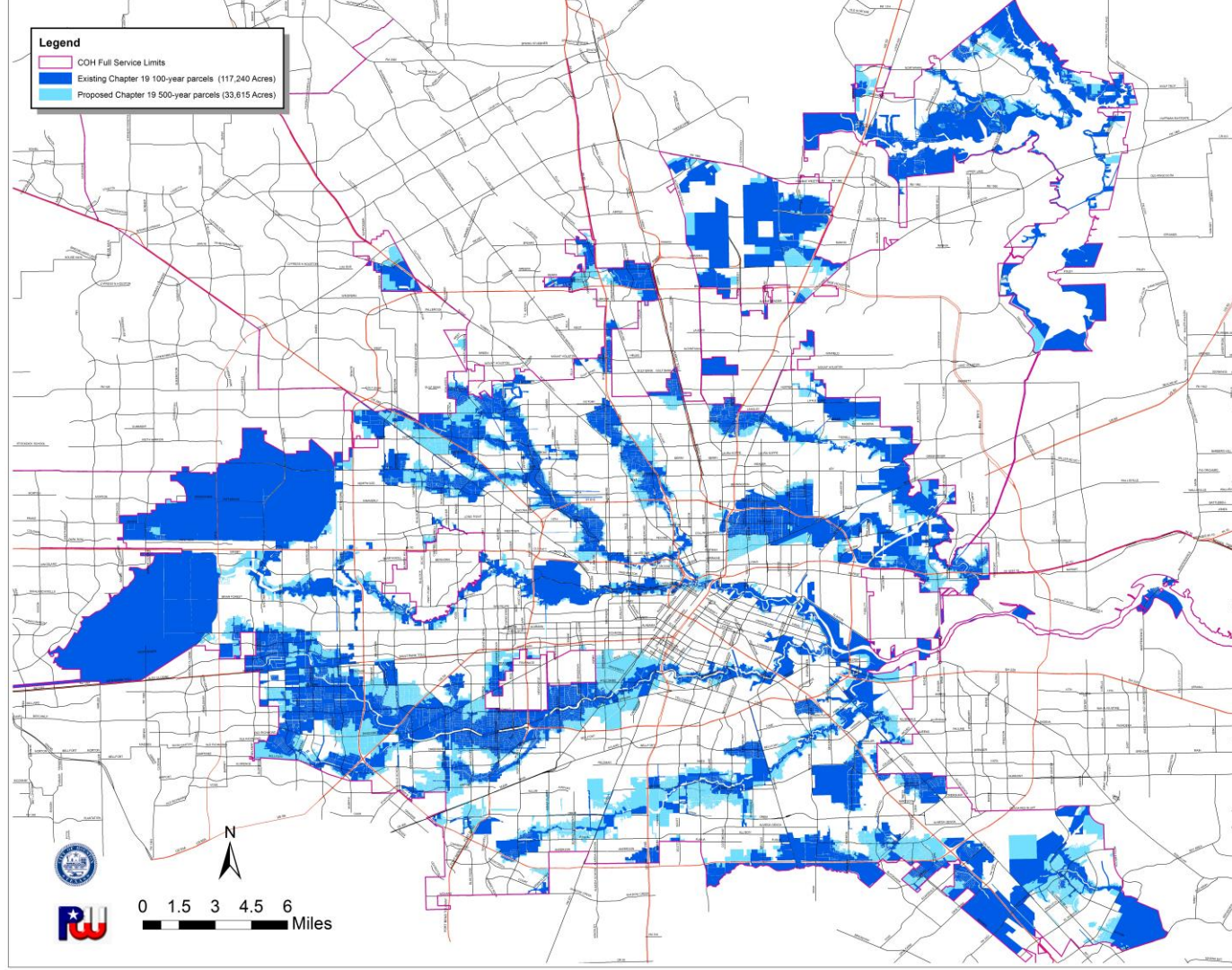


RULES	EXISTING	PROPOSED
REGULATED AREA	100 year	100 + 500 year
ELEVATION	100 year + 1 foot	500 year + X feet
ZERO NET FILL	100 year	100 + 500 year
SUBSTANTIAL IMPROVEMENTS	100 year	100 year
ELEVATION OF ADDITIONS	100 year + 1 foot	500 year + X feet
FOUNDATION	All types permitted outside floodway	All types permitted outside floodway

# Impacted Area + Acreage

■ 100 year =  
117,240 Acres

■ 500 year =  
33,615 Acres



# IMPACTED PARCELS




	EXISTING	PROPOSED
100 YEAR	101,246	101,246
500 YEAR	0	85,739
TOTAL	101,246	186,985

# CITY VS. COUNTY

	CITY	UNINCORPORATED HARRIS COUNTY (conforming)*	UNINCORPORATED HARRIS COUNTY (non-conforming)
REGULATED AREA	100 + 500 year	100 year	100 + 500 year
ELEVATION	500 year + X feet	100 year + 0 - 1.5 feet	500 year + 0 feet

\*most developments since 1984

## NEXT STEPS

1. release draft ordinance  Feb. 13
2. receive public input  through Feb. 19
3. present ordinance to Mayor & Council  Feb. 28

**THANK YOU**

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