

DESIGN STANDARDS + CHAPTER 19 GUIDELINES

HOUSTON PUBLIC WORKS

JULY 2018

DESIGN STANDARDS

**changes to Infrastructure Design Manual +
Building Code to adopt recommendations of
Redevelopment + Drainage Task Force**

DETENTION



allow payment of a fee in lieu of detention



allow sale of excess detention capacity



provide detention credit for green/low-impact developments



allow private sector involvement creating regional detention in parks/public land



eliminate detention credit for existing impervious cover during redevelopment

FILL



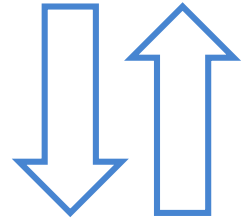
require protection
of sheet flow for
all developments



accommodate
natural drainage
patterns



clearly define
“engineered
grading”



change threshold
amount for
engineered
grading

ENCROACHMENTS

public roadside
drainage education
campaign



re-establish
drainage in City
right-of-way



CHAPTER 19

**companion to Floodplain Ordinance to
establish operational procedures**

NEW PROCEDURE HIGHLIGHTS

permits

temporary repair permit
small project expedited permit

design

simplified mitigation plan
flood opening calculations
sheet flow analysis

enforcement

non-compliance certificate
non-conversion agreement
Section 1316 – denial of FEMA flood insurance
mitigation facility recertification

EXISTING PROCEDURE CLARIFICATION

substantial
damage

only applies in 100-year floodplain
substantial damage determination request
substantial damage appeal
increased cost of compliance letter request

City Engineer

preliminary damage assessment
Community Rating System (CRS)
Plan for Public Information (PPI)
Floodplain Management Plan (FMP)
FEMA community letter requests

COMMUNITY ENGAGEMENT



10
OPEN
HOUSES

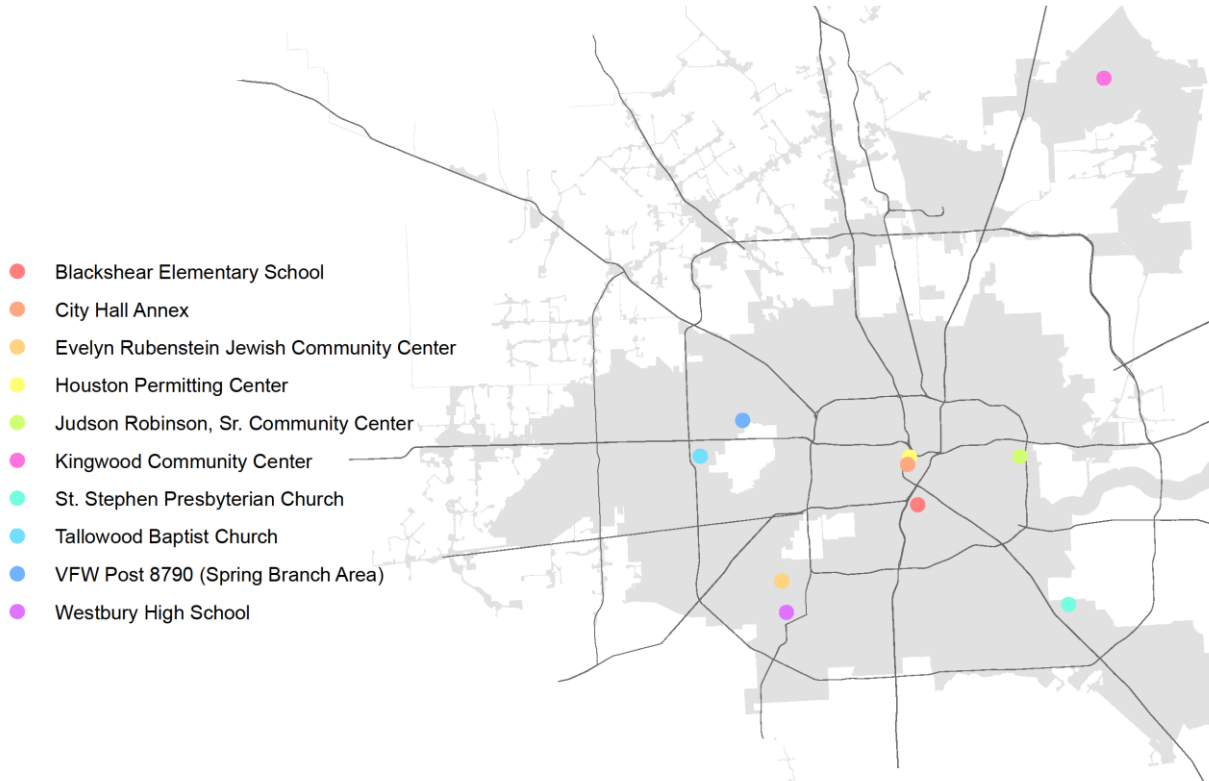


450+
ATTENDEES



450+
SURVEY
RESPONSES

OPEN HOUSE LOCATIONS

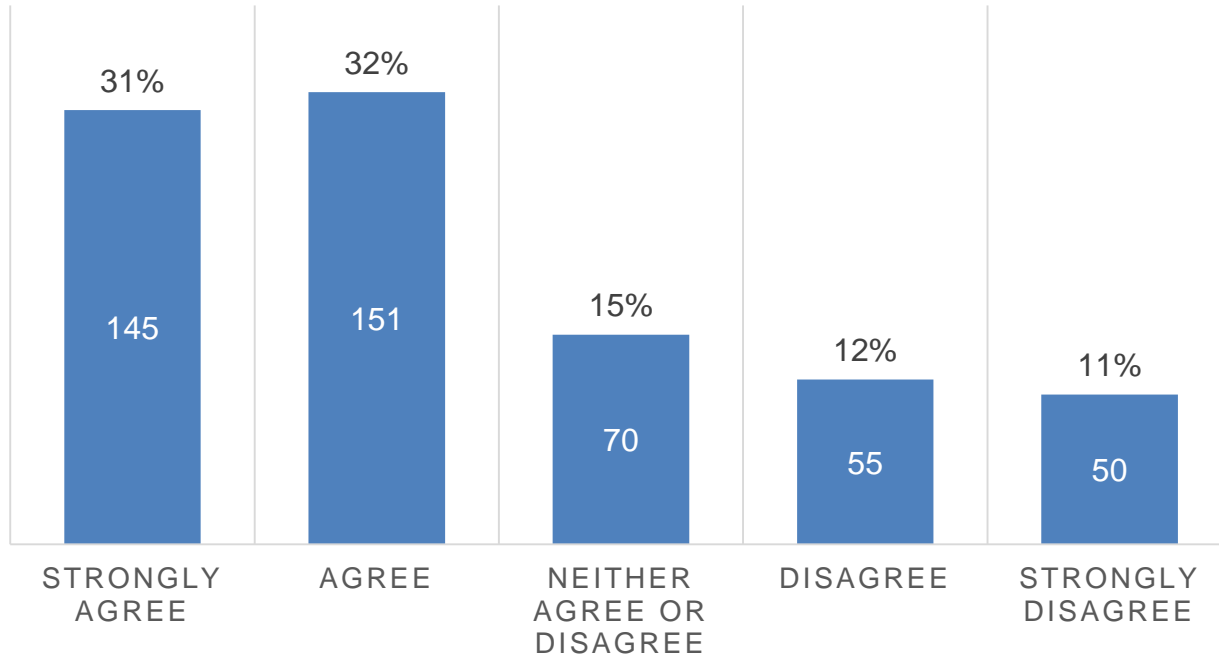


DESIGN STANDARDS

survey results

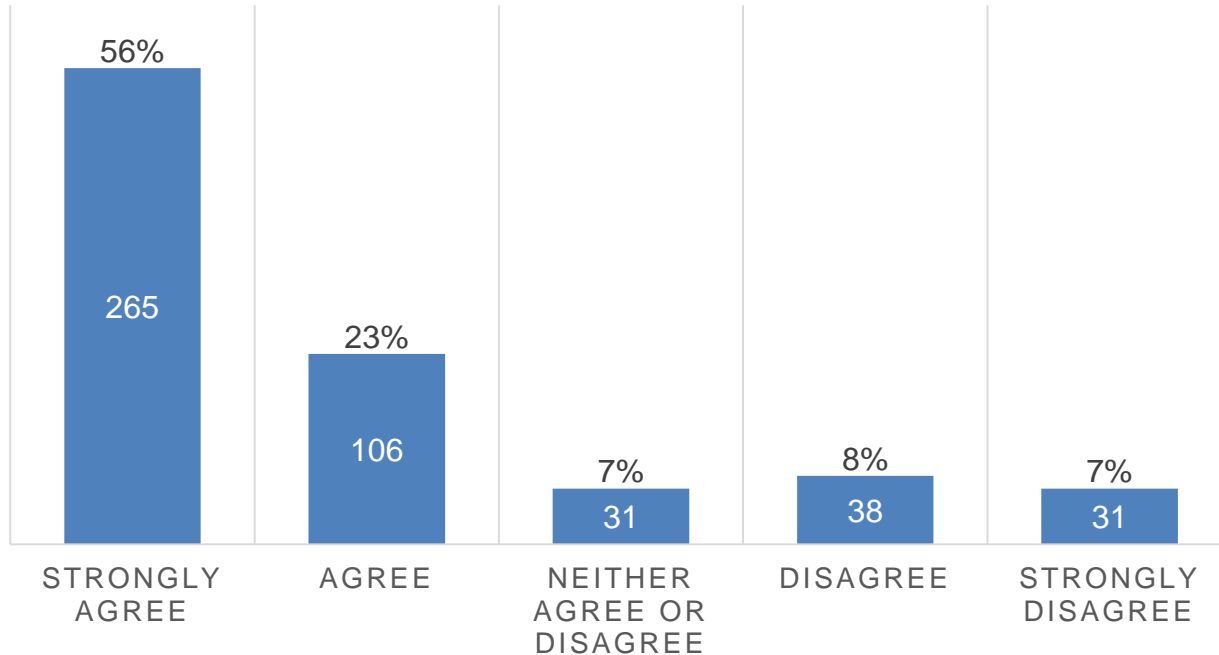
HOME ELEVATION

HOUSTON SHOULD INCREASE THE LOWEST FLOOR ELEVATION OF NEW HOMES OUTSIDE OF THE FLOODPLAIN



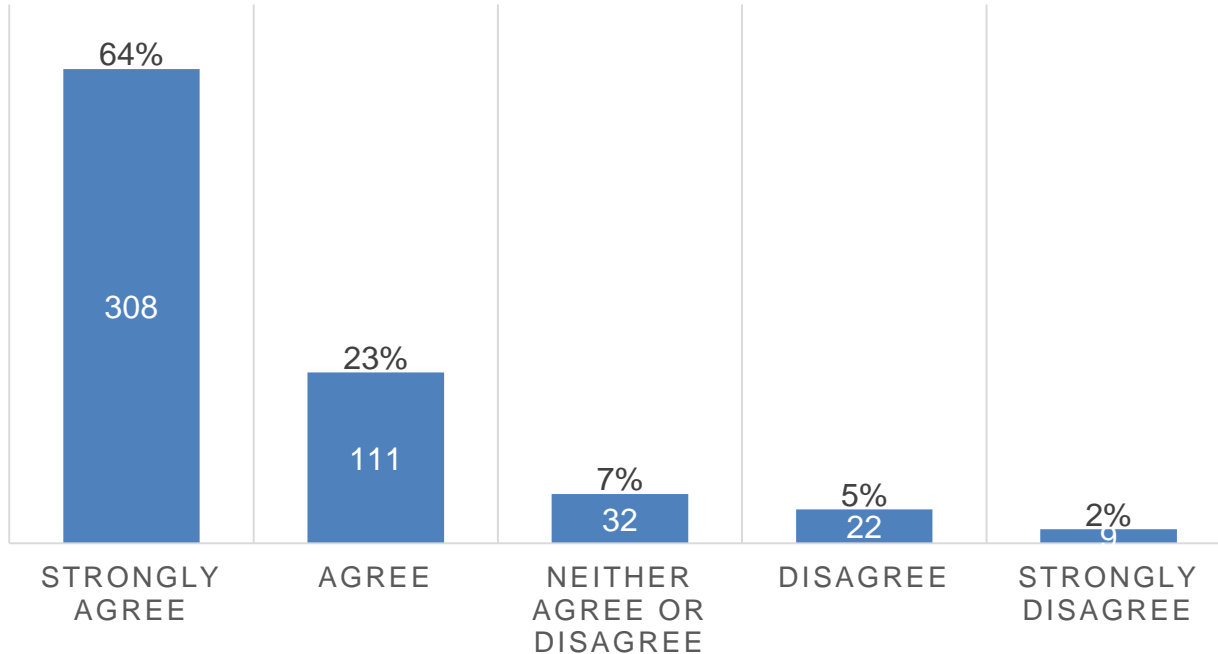
DETENTION

DEVELOPERS SHOULD FOLLOW THE SAME
DETENTION RULES FOR NEW DEVELOPMENT
AND REDEVELOPMENT



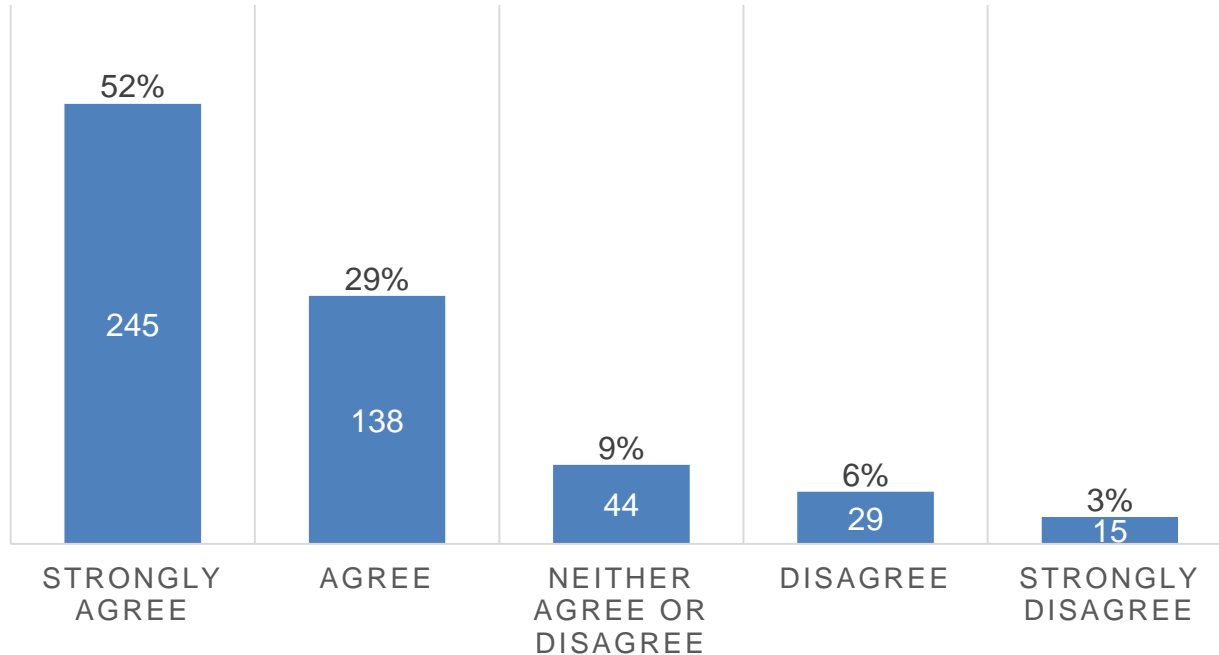
SHEET FLOW

HOUSTON SHOULD REQUIRE NEW DEVELOPMENT TO NOT BLOCK EXISTING SHEET FLOW



STORMWATER REGULATIONS

TOUGHER STORMWATER REGULATIONS ARE
NEEDED TO REDUCE THE RISK OF FLOODING
IN HOUSTON



SCHEDULE

Chapter 19 Guidelines – August 1st publication
Design Standards – August Council Action
Effective Date September 1st



DESIGN STANDARDS

WHAT: Final Report Issued
WHO: Redevelopment & Drainage Task Force

FEB

APR

CHAPTER 19

WHAT: Ordinance Amended
WHO: City Council

MAY 29

DESIGN STANDARDS

WHAT: Draft Revisions Posted
60 Day Public Input Begins
WHERE: [surveymonkey.com/r/HoustonDesignStandards](https://www.surveymonkey.com/r/HoustonDesignStandards)

DESIGN STANDARDS & CHAPTER 19

WHAT: Transportation, Technology & Infrastructure Committee
WHERE: City Hall, 901 Bagby St.

JUN 11

DESIGN STANDARDS & CHAPTER 19

WHAT: Open House
WHERE: Houston Permitting Center,
1002 Washington Ave.
Basement Training Room - B2
TIME: 2 - 4 PM

JUN 28

CHAPTER 19

WHAT: Draft Guidelines Posted
30 Day Public Input Begins
WHERE: pwe.director@houstontx.gov

DESIGN STANDARDS & CHAPTER 19

WHAT: Open House
WHERE: Evelyn Rubenstein Jewish Community Center of Houston
5601 S. Braeswood Blvd, Houston, TX 77096
TIME: 6 - 8 PM

DESIGN STANDARDS & CHAPTER 19

WHAT: Super Neighborhood Meeting
WHERE: City Hall Annex, 900 Bagby St.



CHAPTER 19

WHAT: Public Input Posted
WHERE: HoustonRecovers.org/Chapter19

JUN 29

JUL 2

DESIGN STANDARDS

WHAT: Open House
WHERE: Kingwood Community Center
4102 Rustic Woods Dr., Humble, TX 77345
TIME: 6 - 8 PM

CHAPTER 19

WHAT: 30 Day Public Input Closes
WHERE: pwe.director@houston.tx.gov

DESIGN STANDARDS

WHAT: Open House
WHERE: VFW Post 8790
1560 Foley Street, Houston, TX 77055
TIME: 6 - 8 PM

JUL 11

JUL 23

CHAPTER 19

WHAT: Transportation, Technology & Infrastructure Committee
WHERE: City Hall, 901 Bagby St.

DESIGN STANDARDS

WHAT: 60 Day Public Input Closes
WHERE: surveymonkey.com/r/HoustonDesignStandards

AUG 1

CHAPTER 19

WHAT: Final Guidelines Posted
WHERE: HoustonRecovers.org/Chapter19

DESIGN STANDARDS

WHAT: Council Action to Amend Building Codes & Approve IDM Updates
WHERE: City Hall, 901 Bagby St.

SEPT 1

CHAPTER 19

WHAT: Final Guidelines Posted + Go Into Effect
WHERE: HoustonRecovers.org/Chapter19

THANK YOU

houstonrecovers.org

[Bit.ly/houesignstandards.org](http://Bit.ly/houdesignstandards.org)