#### PSEFI October 8, 2015

Professional Surveyors Educational Foundation, Inc.

#### Platting and "Retrospect" Workshop



#### **SESSION 1.1**

#### "PLAT BASICS"

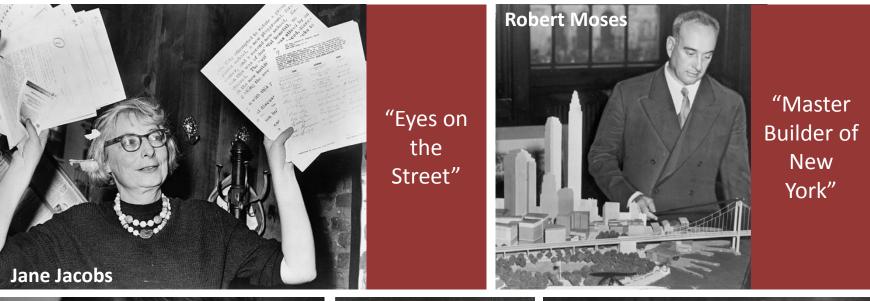
### PLANNING, WHAT'S OLD/NEW, FOUR FEASIBILITY FACTORS, PLAT CLASSIFICATIONS AND PLAT SUBMISSIONS

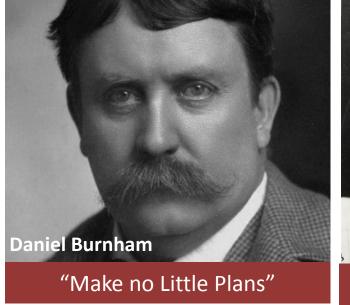
PRESENTERS:

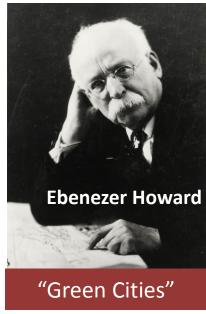
Homero Guajardo Alegria, Planner Chad Richard Miller, Planner

City of Houston Planning and Development Department, Development Services

#### Some Contributions to the Planning History







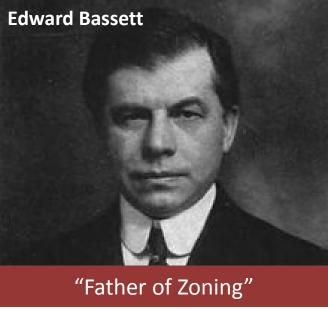


Figure 1 Contribution to the Planning History: Wikipedia. 2015. "Jane Jacobs, Robert Moses, Daniel Burnham, Ebenezer Howard and Edward Bassett."

Accessed September 10, 2015. https://en.wikipedia.org

#### Why Planning and Platting are important?

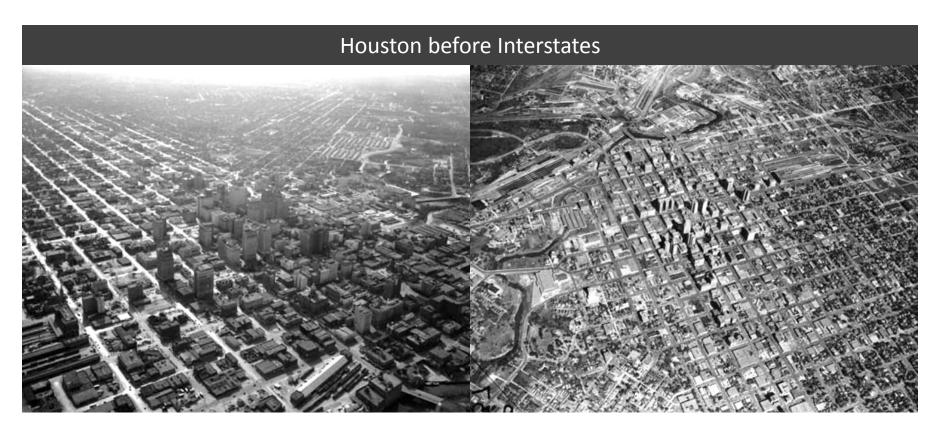


Figure 2 Houston Figure 3 Houston

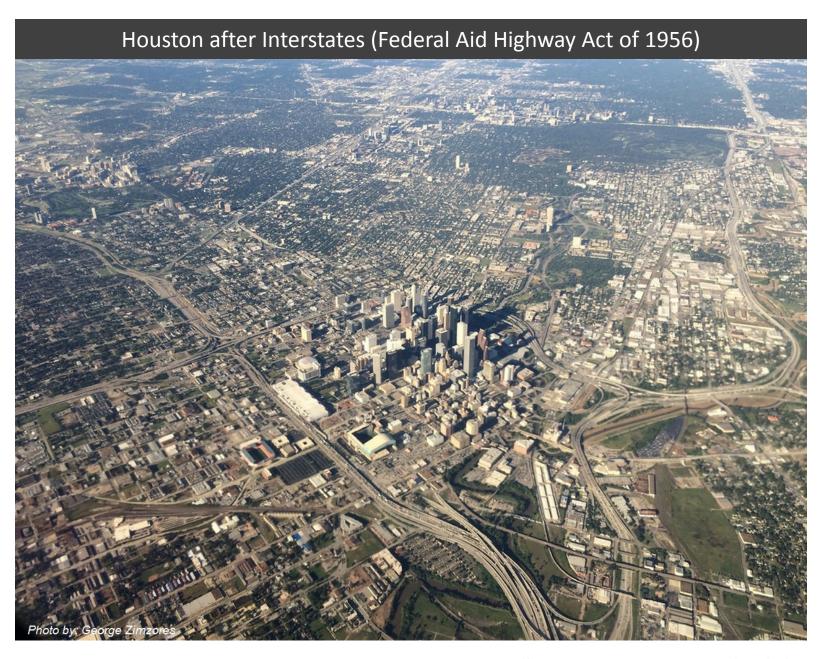


Figure 4 Houston Aerial: Dilemaxdotnet. 2014. Houston Aerial. Accessed September 10 2015. https://dilemmaxdotnet.files.wordpress.com/2014/10/houston-aerial-1.jpg

#### Through planning we can avoid past mistakes and manage, repair and guide the future growth of the city



Figure 5 Parking: URBANSTL. 2013. Houston . Accessed September 10 2015. http://urbanstl.com/forum/viewtopic.php?f=24&t=8000&start=15

Figure 6 Sprawl: Gallery Gogopix. 2015. Florida Sprawl . Accessed September 10 2015. http://gallerygogopix.net/florida+urban+sprawl

#### Planning and Platting

It's all about **preparing land** to be used for further development or construction

Per Chapter 42 Ordinance Regulations



Figure 7 Planning. Integrated Design Studio. 2015. Land Use . Accessed September 5 2015. http://urbanstl.com/forum/viewtopic.php?f=24&t=8000&start=15

#### May 24, 2015

All properties within the city limits are now treated under the prior urban rules.

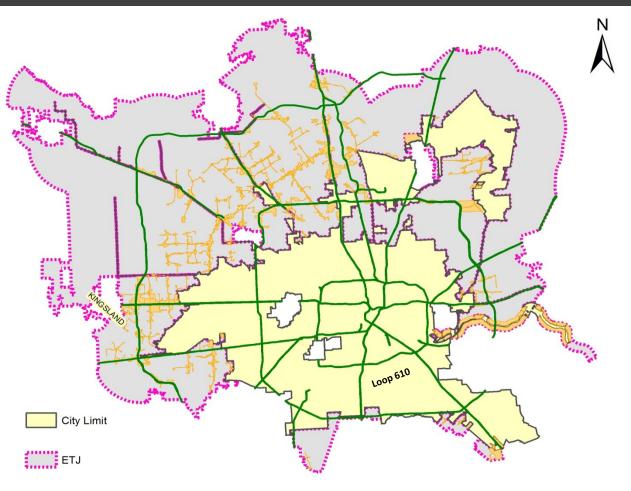


Figure 10 City limits and ETJ

#### Solid Waste Plan (Garbage Collection Plan)

A Solid Waste Plan is required for a development or subdivision that contains lots that take access from private streets, permanent access easements, or shared driveways located inside the City of Houston Corporate Limits, that proposes 25 residential units or less.

The drawing's base layer shall be a copy of the required existing conditions survey

A minimum of 10' of frontage on a public street is required for each residential unit.

Two distinct 5 foot by 5 foot square areas are required for each residential unit.

Containers shall not extend more than 5 feet into the roadway.

Containers do not obstruct any public amenities or services.

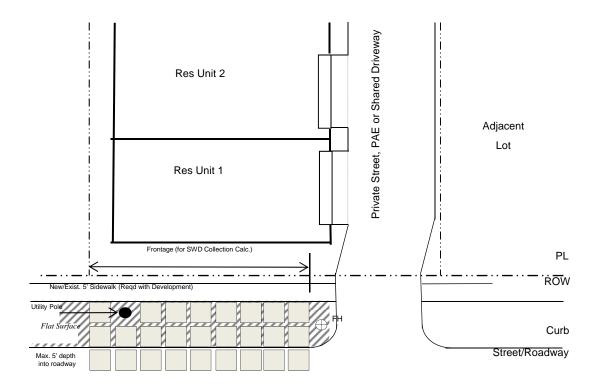
Containers are located on a flat surface and not obstructed by physical features.

Containers for pickup are not located on private property.

Include a note stating that the development does or does not meet eligibility for garbage collection.

#### Solid Waste Plan (Garbage Collection Plan)

If the 10' frontage per residential unit cannot be met, it is allowed to stock the containers on a flat surface without obstructing any public amenity or service and only extending 5 feet into the roadway



Acceptable individual containers (Regular or Recycle) spacing on 5' centers within the maximum container pod area)

#### Solid Waste Plan

If the 10' frontage per residential unit cannot be met, it is allowed to stock the containers on a flat surface without obstructing any public amenity or service and only extending 5 feet into the roadway

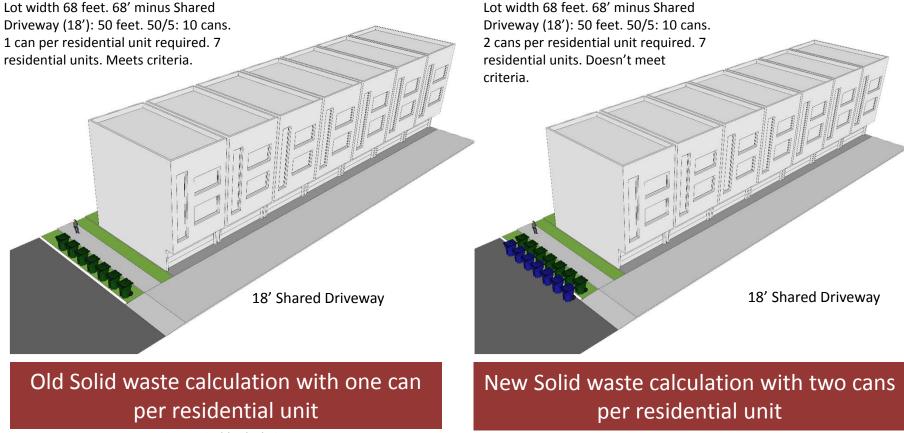


Figure 12 old calculation

Figure 13 New calculation

#### Encroaching into the visibility triangle

#### New note:

The building line for property adjacent to two intersecting streets shall not encroach into any visibility triangle. This area shall assure adequate visibility sight lines for vehicular traffic approaching the intersection. The maximum height of the visibility triangle shall be 20 feet as measured vertically from the ground.

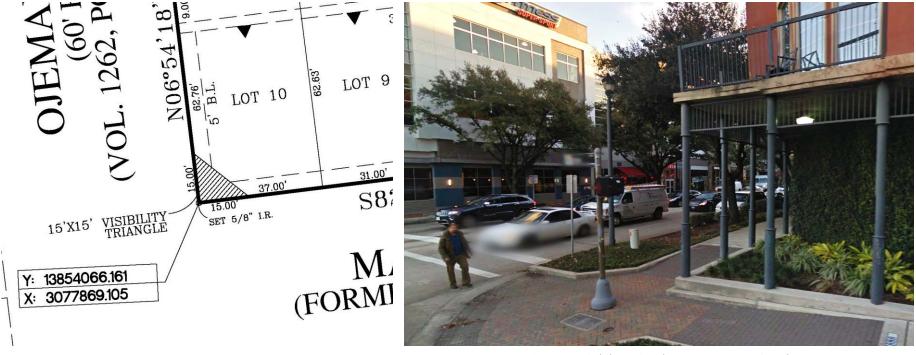


Figure 14 Visibility Triangle: Image source: Google Maps

#### Transit Corridor and Type A street - Opt in or not?

Property owner may build up to the property line abutting the transit corridor street or type A street, but no closer than 15 feet from the back-of-curb meeting all the requirements of Ch 42-402. If not, a building line of 25 feet is required.



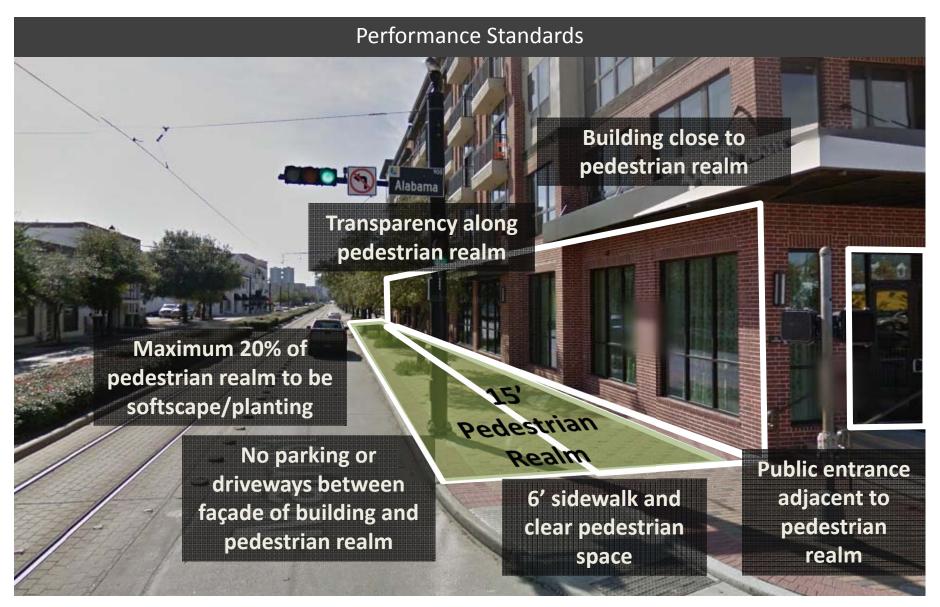


Figure 16 Transit Corridor: Image source: Google Maps

#### Transit Corridor or a Type A street - Opt in or not?

Property owner may build up to the property line abutting the transit corridor street or type A street, but no closer than 15 feet from the back-of-curb meeting all the requirements of Ch 42-402. If not, a Building line of 25 feet is required.

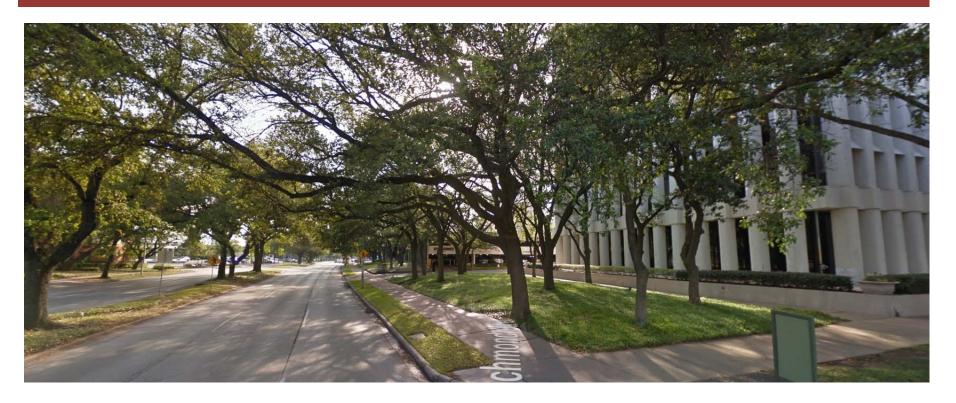


Figure 17 25 Feet: Image source: Google Maps

Four Feasibility Factors

#### Four Feasibility Factors

**STREETS** (ROW, MTFP and Hierarchy, Exceptions)

**LAND USE** (Lots/residential or Reserves/other)

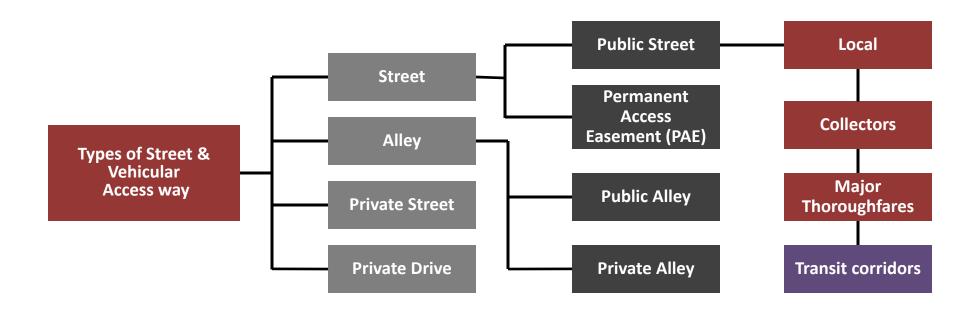
Building Lines & Easements (and Adjoiners)

FORMAT (class, presentation specifics, Dedicatory language)

1. Streets

#### **Streets**

#### **Types of Streets and Vehicular Access Way**



#### **Streets**



Figure 18 Types of Streets: Consolidated Transportation Planning. Accessed September 1, 2015. http://transect.org/transect.html

#### Streets Feasibility Considerations

Major Thoroughfare Plan (MTFP) http://www.houstontx.gov/planning/DevelopmentRegs/mobility/MTFP.htm

MTFP Hierarchy Table

**Street Width Exceptions** 

Existing ROW (document and/or survey)

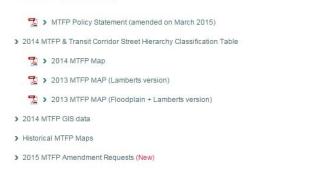
Dimensional (survey) tie(s)

#### Streets Feasibility Considerations

Major Thoroughfare Plan (MTFP)
http://www.houstontx.gov/planning/DevelopmentRegs/mobility/MTFP.htm



#### MAJOR THOROUGHFARE & FREEWAY PLAN (MTFP)



P&D HOME	
ANNEXATION	
COMPLETE STREETS	
DEMOGRAPHICS	
DEVELOPMENT REGULATIONS	~
FORMS	
GENERAL PLAN	
GEOGRAPHIC DATA	
HISTORICAL COMMISSION	
HISTORIC PRESERVATION	~
HOUSTON NUSA 2015	

Figure 19 MTFP: MTFP. Accessed September 1, 2015. http://www.houstontx.gov/planning/DevelopmentRegs/mobility/MTFP.htm

#### Details: Street Width Exception Areas





Figure 20 Street Width exception Area

Figure 21 Streets in Place

#### **Intersection Exceptions**

# Intersection Exceptions 42-130

Figure 23 MTFP: Wisconsin Watch. 2012. Frac sand boom creates thousands of jobs Accessed September 18, 2015. http://wisconsinwatch.org/2012/08/sand-boom-creates-jobs/

Figure 24 Pipe Line easement: Kana Pipe Line. 2015. Accessed September 18, 2015. http://www.kanapipeline.com/images/radius-pipeline.html/

#### Right of Way (ROW)

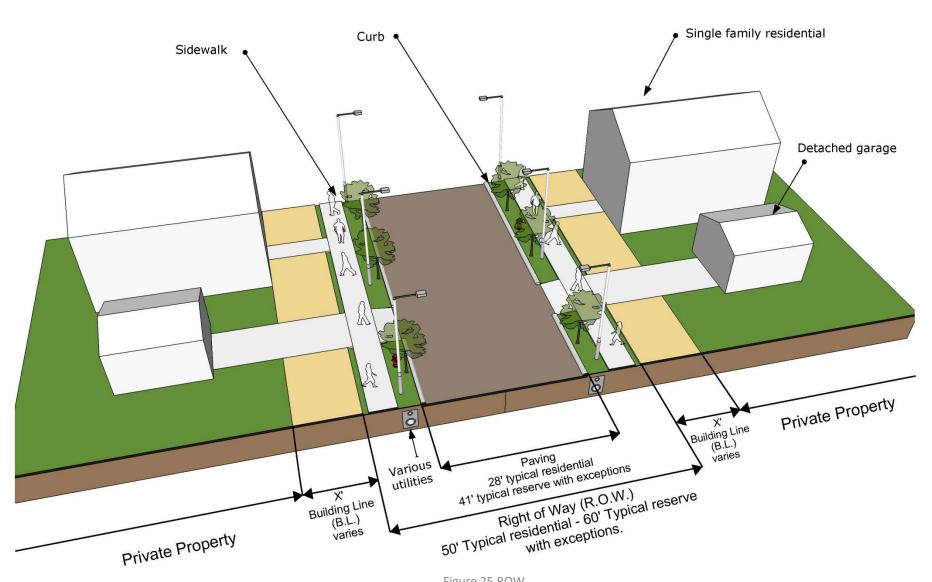
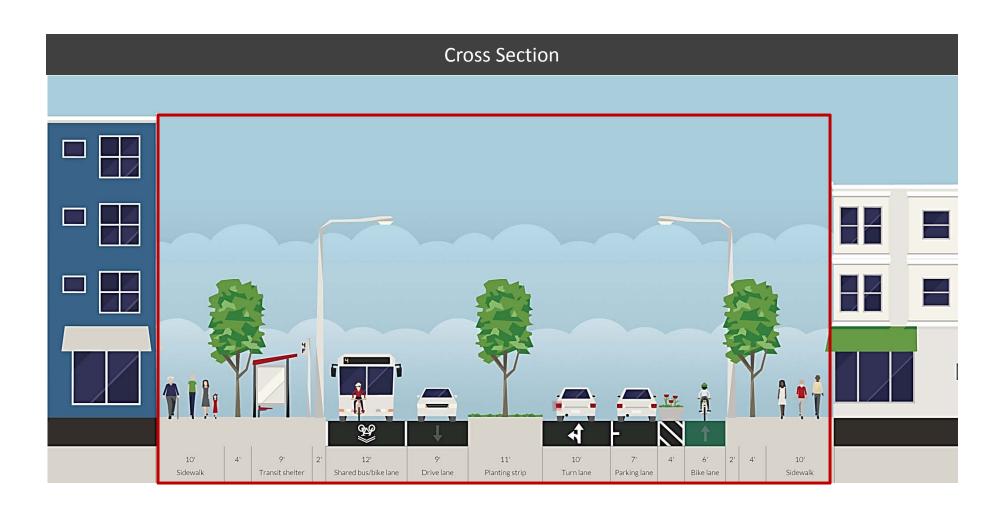


Figure 25 ROW

#### Right of Way (ROW)



2. Land Use

#### "No Zoning in Houston"

#### Platting Regulations!

Lots: Single family 42-180-189

- Minimum lot size: 5000 sf suburban (ETJ), 3500 urban (city).
- Minimum width lot: 20 feet.
- Minimum Building Line requirement: Sec 42-150.
- May not take access from a major thoroughfare, unless greater than 1 acre with a turn around.
- 2 points of access with 150+ lots

**Reserves:** A tract of land not restricted to single family residential 42-190

- Sec 42-190
- Minimum size
- Minimum Street width
- Street type
- Building Line requirement: Sec 42-150.
- Minimum street frontage

#### General Plan GP

#### General Plan (GP): Street pattern, connectivity, and future planning



The General Plan (GP) helps to address future street networks and issues such as excessive intersection spacing (internal and external).

#### General Plan GP

General Plan (GP): Street pattern, connectivity, and future planning

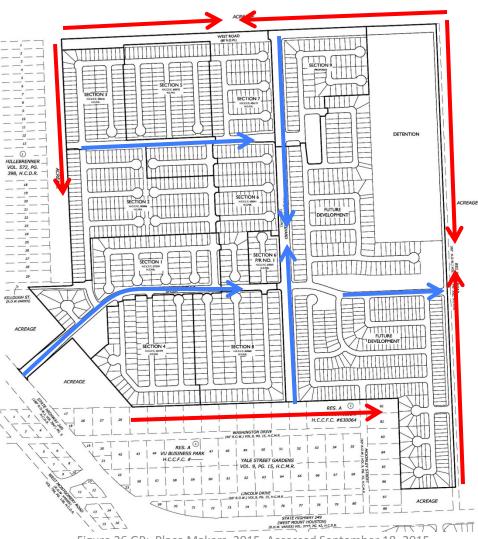


Figure 26 GP: Place Makers. 2015. Accessed September 18, 2015. http://www.placemakers.com/stories-from-the-fields/providence-calgary-alberta/

3. Building Lines & Easements (& Adjoiners)

#### **Building Lines & Easements**

#### Research and show on plat:

- Building Lines (platted, and per 42-150, etc.)
- Easements (any proposed, all existing)
- Adjoiners (all adjacent platted land uses).

If the adjacent plats are out of acreage the record information must include Acreage, Owner and Survey and Abstract number.

## Easements 483.72. N 83\* 54 31" E 1108\* APPROACH LIGHTING SYSTEMS OF THE LINE OF RUNWAY OF THE LINE OF

Figure 28 Easements. ANSLS. Accessed Sept 9, 2015. http://www.ansls.ca/easements.htm

#### **Building Lines BL**

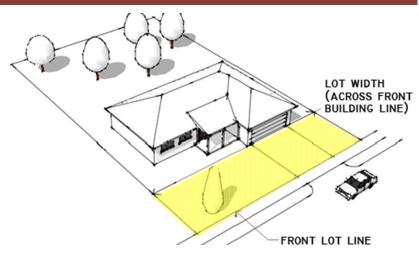


Figure 27 Building line. Encodeplus. 2010. Accessed Sept 9, 2015. http://online.encodeplus.com/regs/centennial/acc/doc-view.aspx?tocid=003.002.003

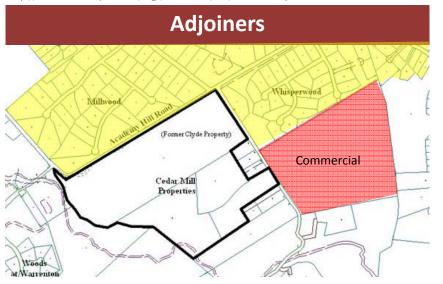
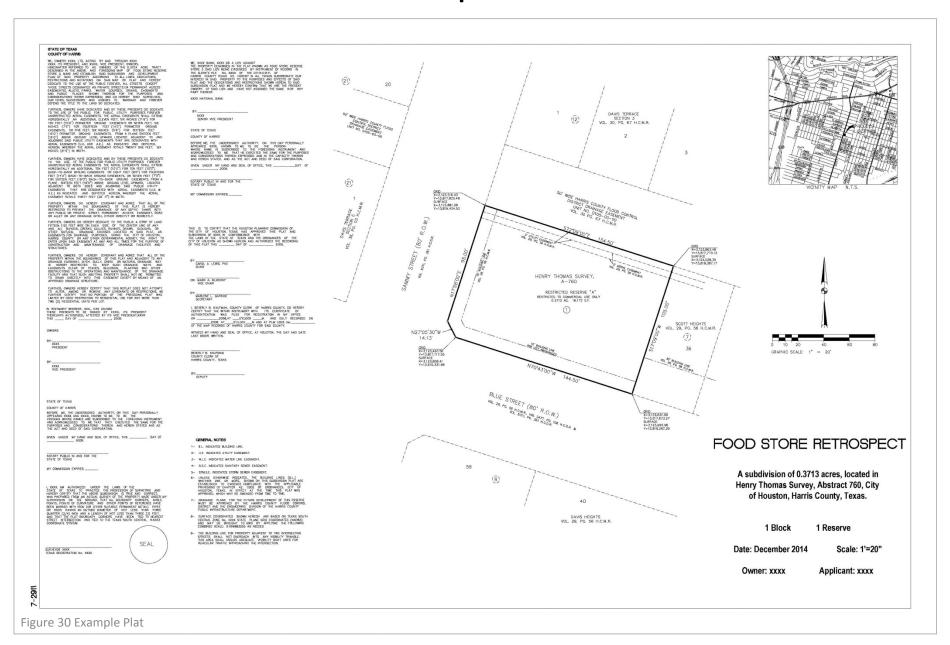


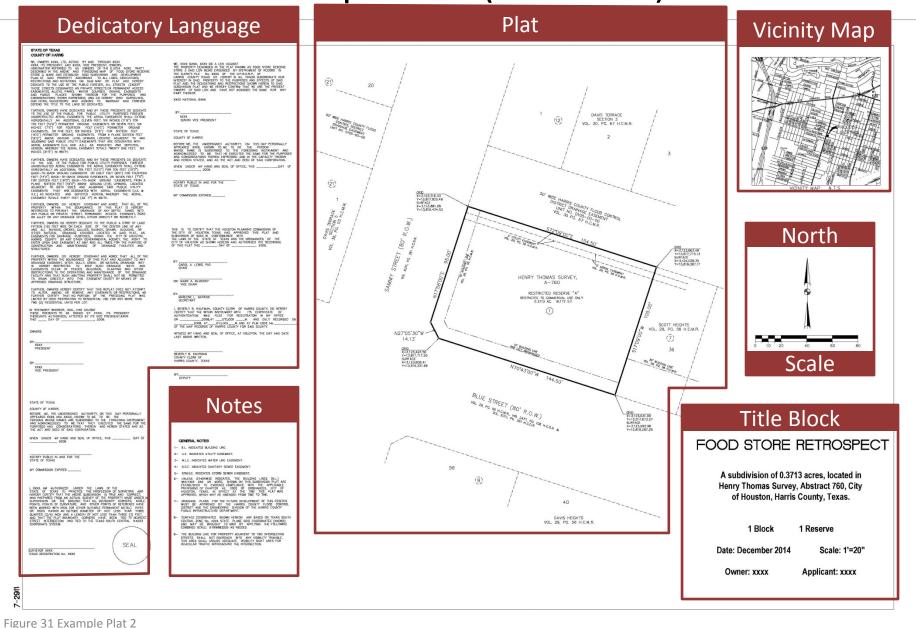
Figure 29 Adjoiners

4. Format

#### **Example Plat**

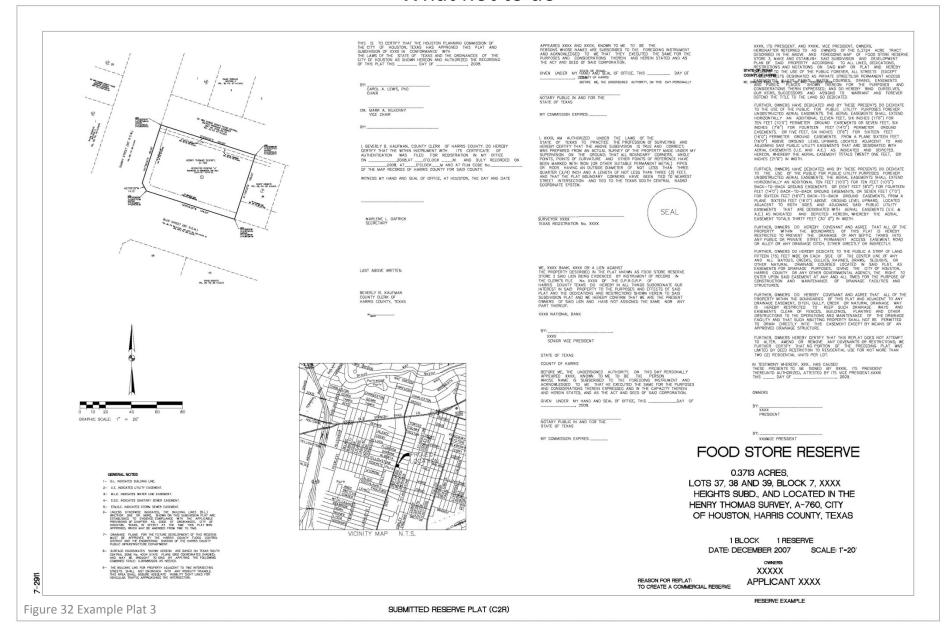


Example Plat (Elements)



#### **Example Plat**

#### What not to do



**NEXT: Consent Plat Classifications** 

# Plat or Replat?

**Plats** are from Acreage; Abstracts or Tracts

**Replats** have Record information (i.e. Volume and Page OR a Recorded Map)

**Plat Classification 42-23** 

**C1** (Amending or Four Criteria)

C2 (No easements or ROW)

**C3** (Preliminary and Finals; plats and replats) Includes C3N (Notice; for preliminary public hearing)

# Class 1 (C1)

Ordinance Chapter 42-1; 42-23 Local Government Code 212.016

Purpose is to amend a scrivener's error; to move or remove lot lines on a recorded plat.

Applicable when applicant has a recorded subdivision plat and a surveyor has incorrect distances, bearings, call-outs, misspellings, misspelled street names on a recorded plat and would like to correct proven typos or small graphic amendments. See Code for details.

## C2 and C3

**Class 2 - C2** 

Not dedicating Streets

Not dedicating Easements

Plat is from Acreage -or-

From existing subdivision (Class 2 Replat)

**Class 3 – C3** 

Can dedicate Streets

Can dedicate Easements

Plat is from Acreage (abstract)

-or-

From existing subdivision (Class 3 Preliminary (C3R) Replat or Public Hearing)

Class 3 replats require both preliminary & final submission

## **OTHERS:**

Street Dedication Plats,
Reconsiderations,
Extension of Approvals (EOA) and
Name Changes (NC)

## Street Dedication Plats (SP)

- Create public street ROW (only)
  - No reserves or lots within SP
    - Must have approved GP

### Reconsiderations

- Reconsideration of Requirements.
- Option if plat approved with conditions.
- Concurrent Variance Requests accepted.
- Only variance fee if applicable.

### **Extension of Approvals**

- Submit application during regular check – in through Plat
- Would extend the life of the plat one year before recordation.
- It must be approved by PC within a year of the original approval.

### Name Changes

- A NC request is made to the Planning Commission for action.
- Request may be submitted after (final) plat approval and before recordation.
- Submit application using PLATTRACKER during regular check-in

## **IMPORTANT:**

**Consent Submission Items** 

## **Consent Submission Items**

CPL (City Planning Letter) or Title Report (C2, C2R, C3R and C3F)

Existing conditions survey (lots within the city)

DWG subdivision file - PDF subdivision plan - DWG Registry drawing

Drainage Plan

Solid waste plan (Shared Driveways and PVT or PAE with less than 25 lots in the city)

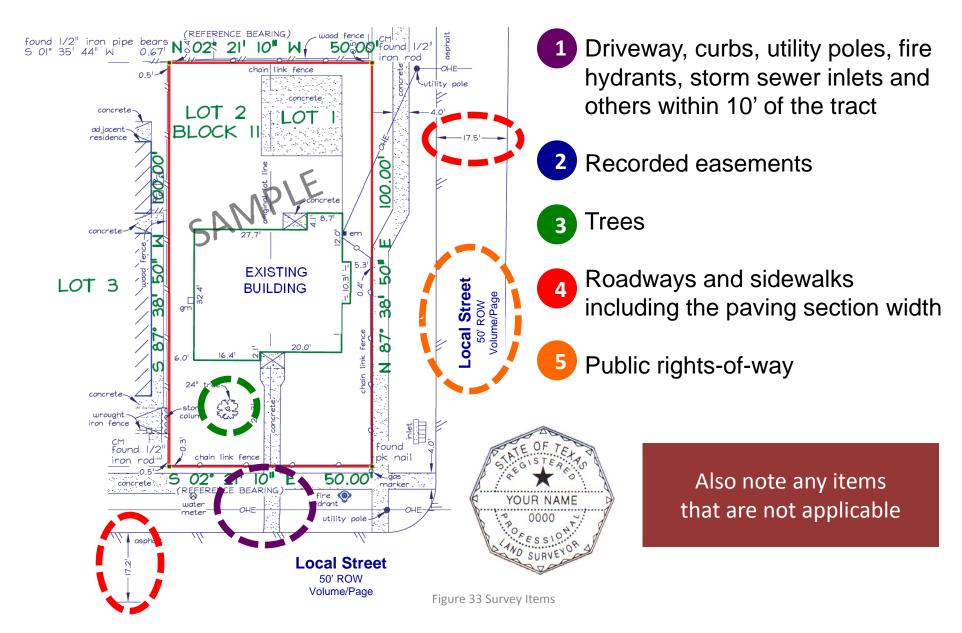
Original plat for replats

Payment



# **Existing Conditions Survey**

Sec. 42-56



# **Drainage Submissions**

The **100-year floodplain** is the land that is predicted to flood during a**100-year** storm, which has a 1% chance of occurring in any given **year**.

#### Characteristics of a Floodplain

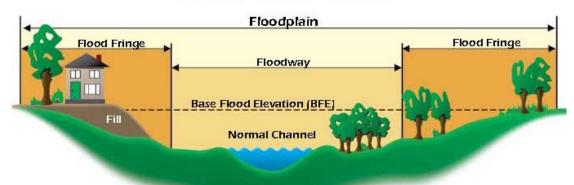


Figure 34:100 year Flood Plain: Umatilla County. 2009. Accessed August 28, 2015. http://www.co.umatilla.or.us/planning/floodhazard.htm

If a plat is inside the floodplain in the City, an approved Drainage Plan is required.

# DRAINAGE PLAN FOR FLOODPLAIN PROJECT

FLOODPLAIN GROUP APPROVED FOR PLAT

By: (\$22) 301(00)

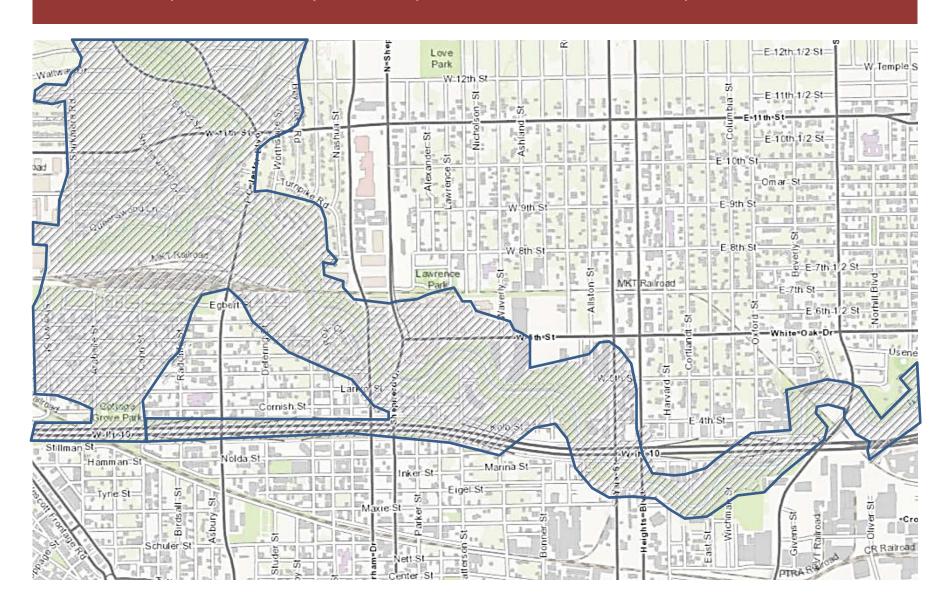
ENGINEERING SERVICE SECTION APPROVED FOR PLAT

Date: 35.15

By: Sam Habibi

Figure 35 Drainage Plan Signature

### Example of the 100 year flood plain on Consolidated Transportation Plan



**Registry Drawing** 



## **Example of Registry Drawing Locating Incorrectly**

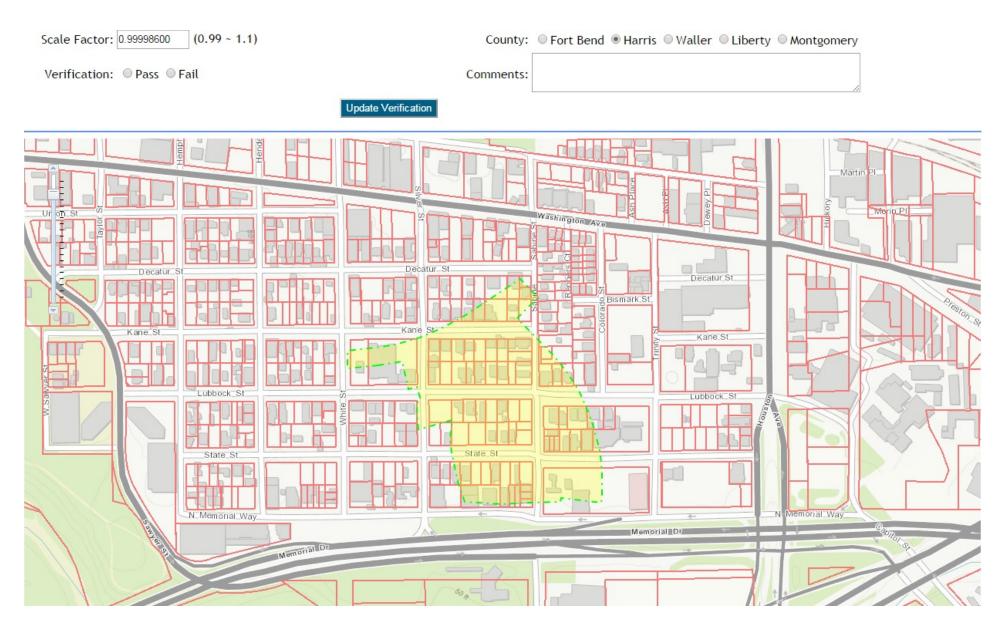


Figure 38 Registry Drawing Location

### **Registry Drawing – Template**

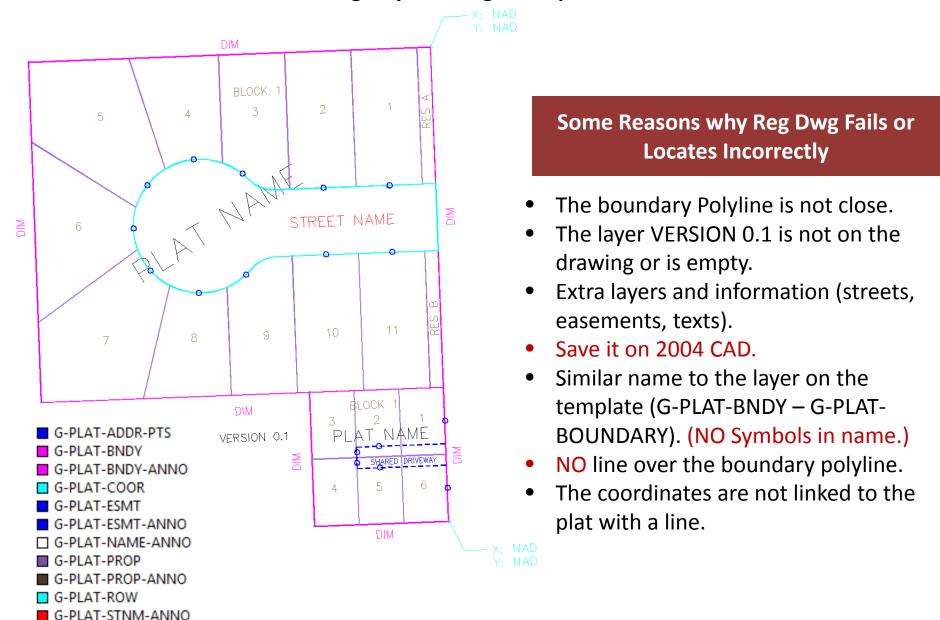


Figure 39 Registry Drawing Template

☐ VERSION 0.1

## **Parks Submissions**

Two ways to meet the parks requirement: Dedicate park land (private or public) OR pay parks fee.

Applicable to all plats
For Single Family in the city limits.
Ch. 42 - 252

### Required Parks Table and Notes for Single Family Lots not Dedicating Park Land

- This property is located in Park Sector number "xx"
- No land is being established as Private Park or dedicated to the public for park purposes.
- No building permit or other permit, except permits for construction of public improvements, will be issued by the City of Houston, Texas, for construction within the subdivision until such time as the funds required under provisions of Section 42-253 of the Code of Ordinances of the City of Houston, Texas, has been submitted and accepted by the City.
- This percentage (\_\_%) shall be applied to the then-current fee in lieu of dedication.
- The then-current fee in lieu of dedication shall be applied to this umber (\_\_units) of dwelling units.

I he	reby certify that the information provided	herein is tru
Α	Number of Existing Dwelling Units (DU)	1
В	Number of Proposed DU	6
С	Net Number of DU	5

### Required Parks Notes for Unrestricted Reserves in the City Limits

- This property is located in Park Sector "xx"
- If this plat is proposed to be multifamily residential, it is subject to the Parks and Open Space requirements of 42-251. A fee per unit will be assessed at the time of permitting at the then-current fee rate. If a private park is to be proposed or public park land is to be dedicated, park land reserves or land dedication must be shown on the face of the plat at this time.

**Application Process** 

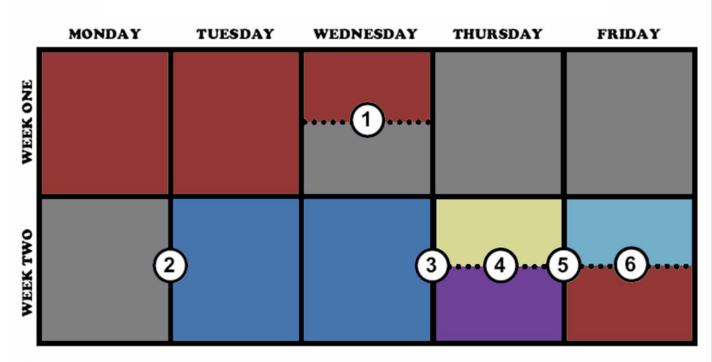
## Plat Tracker



For every new applicant an account has to be created on PLATTRACKER https://edrc.houstontx.gov/edrc/login.aspx

# Planning Staff Timeline:

### **The Plat Application Process**



- Staff Transition from CHECK-IN to REVIEW
- 2 Staff Transition from REVIEW to RECOMMENDATION
- 3 Staff Transition from RECOMMENDATION to COMMISSION PREPARATION
- Staff Transition from COMMISSION PREPARATION to COMMISSION ACTION
- Staff Transition from COMMISSION ACTION to ACTION FORM GENERATION
- 6 Staff Transition from ACTION FORM GENERATION to CHECK-IN

#### **CHECK - IN**

The staff determines if the application meets the submittal requirements of Chapter 42.

#### **REVIEW**

The staff determines if the application meets the all requirements of Chapter 42. Planners research property history, review applicable restrictions and receive input from other departments & agencies.

#### RECOMMENDATION

The planner meets with management on findings and recommendation. The staff notifies the applicant of recommendation.

#### **PREPARATION**

The staff prepares presentation material for the planning commission meeting. The agenda and supporting exhibits are finalized.

#### **COMMISSION ACTION**

The staff presents the findings to the planning commission. The commissioners may act on the application or defer decision for two-weeks if determined necessary.

#### ACTION FORM

Based on the planning commission's action, the staff generates Action Forms to close out applications on which final action has been taken. Deferred applications must address comments and/or provide requested info prior to noon on the following Wednesday.

# Timing & Terminology:

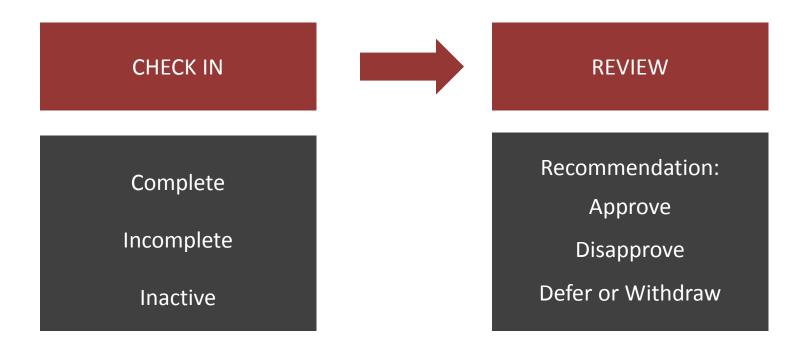
### **CHECK IN**

CHECK IN ("first week"; thru
Tuesday)
Results in Incomplete (INC),
Inactivation (IA)
OR Completed and Promoted to
agenda for review by another
Planner

### **REVIEW**

REVIEW ("second week")
Results in recommendation for
Planning Commission action
(Approve, Defer, Disapprove or
Withdraw)

# **Application Process**



No refund at anytime.

# CHECK IN ("Week One")

**CHECK IN** 

Submission window open from Friday following PC until Monday at 11 am Holiday schedule on line; typically 11 am Tuesdays

Staff reviews applications for completeness
-Incomplete applications are sent e-mail notification of incomplete items

Applicant may request Inactive Status

# REVIEW ("Week Two")

**REVIEW** 

Completed apps are reviewed for Ch. 42 and Ordinance compliance

Staff may recommend approval, deferral or disapproval

Applicant may send an e-mail to request withdrawal or deferral

## For more Information:

POD: Planner of the Day (832) 393-6000

October: PSEFI Workshops

My City (GIS Resources) http://mycity.houstontx.gov

PD Web Page: www.houstontx.gov