

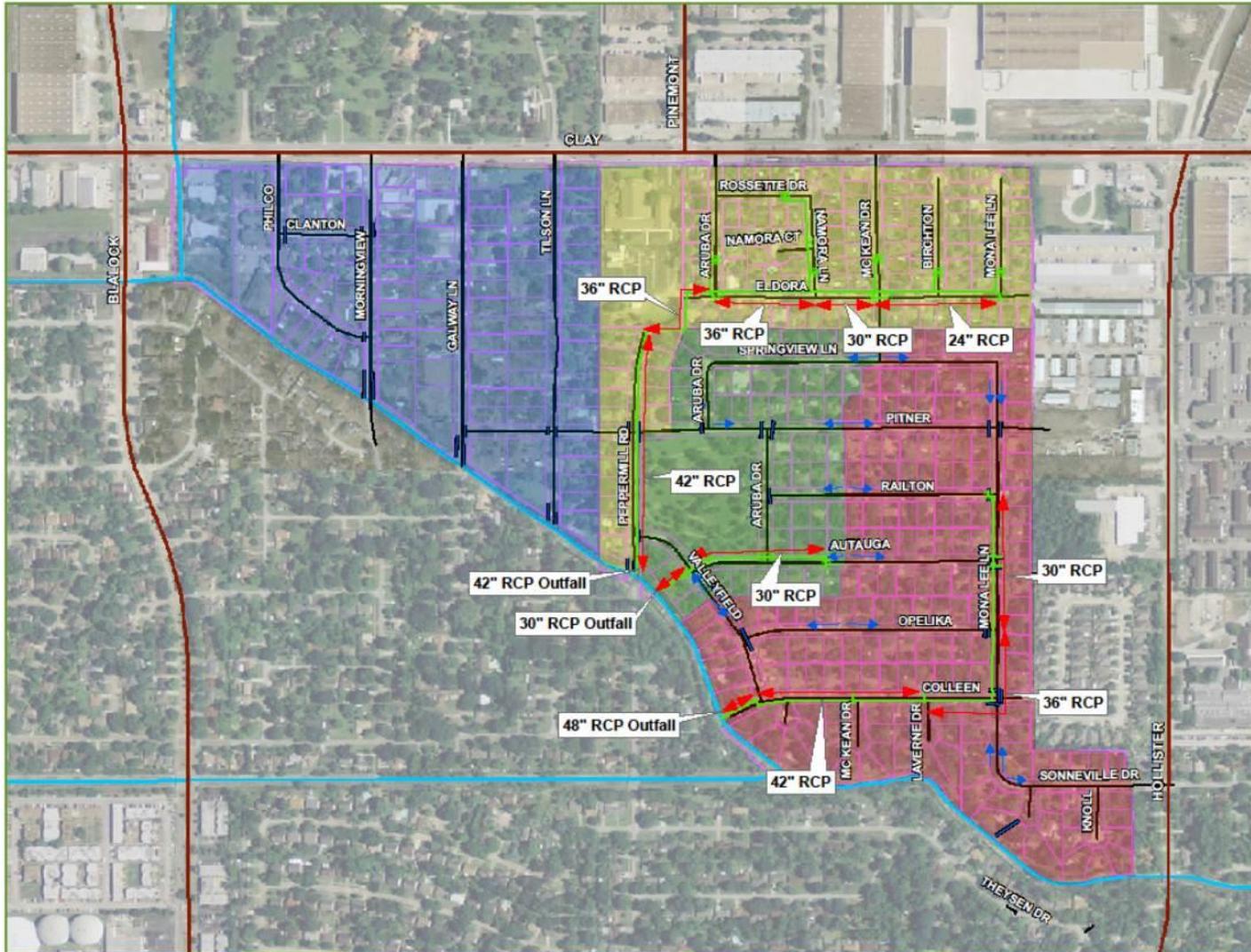


**Binglewood Civic Club**  
**Binglewood Drainage & Paving**  
**M-000293-0001-3, Council District A**  
**May 9, 2015**

**Department of Public Works and Engineering**  
**Engineering and Construction Division**  
**Engineering Branch**  
**Storm Water Engineering Section**  
**Dane P. Schneider, P.E. – Managing Engineer**  
**Jeffrey T. Hall, P.E. – Project Manager**



# Binglewood – Existing Conditions



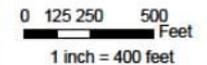
**Binglewood  
Drainage and Paving  
City of Houston**

**Exhibit 3  
Existing Storm Sewer  
Networks**

**Legend**

- Ditch Flow
- Existing Storm Inlets
- Existing Storm Sewer
- Existing Culverts
- Network Drainage Areas**
- Colleen Network
- Autauga Network
- Eldora Network
- Offsite
- Drainage Channels
- Parcels

Note:  
See Appendix F for storm  
sewer network details.



Data Source: City of Houston, TSARP, GIS, HRCreen, FEMA, BingMaps  
Projection: NAD\_1983\_StatePlane\_Texas\_South\_Central\_FIPS\_4204\_Feet  
Date Published: September 2012  
Author: ALG, DWM, JK



# Binglewood – Existing Conditions (continued)



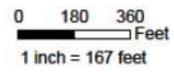
**Binglewood  
Drainage and Paving**  
City of Houston  
**Exhibit 2  
Existing Street**

**Legend**

- Curb & Gutter, No Sidewalk
- Curb & Gutter\* with Sidewalk
- Roadside Ditches
- Roadside Ditch\* with Sidewalk

\* Existing Sidewalk on One Side of Street Only

**Note:**  
Entire Project Region is in City Council District "A"

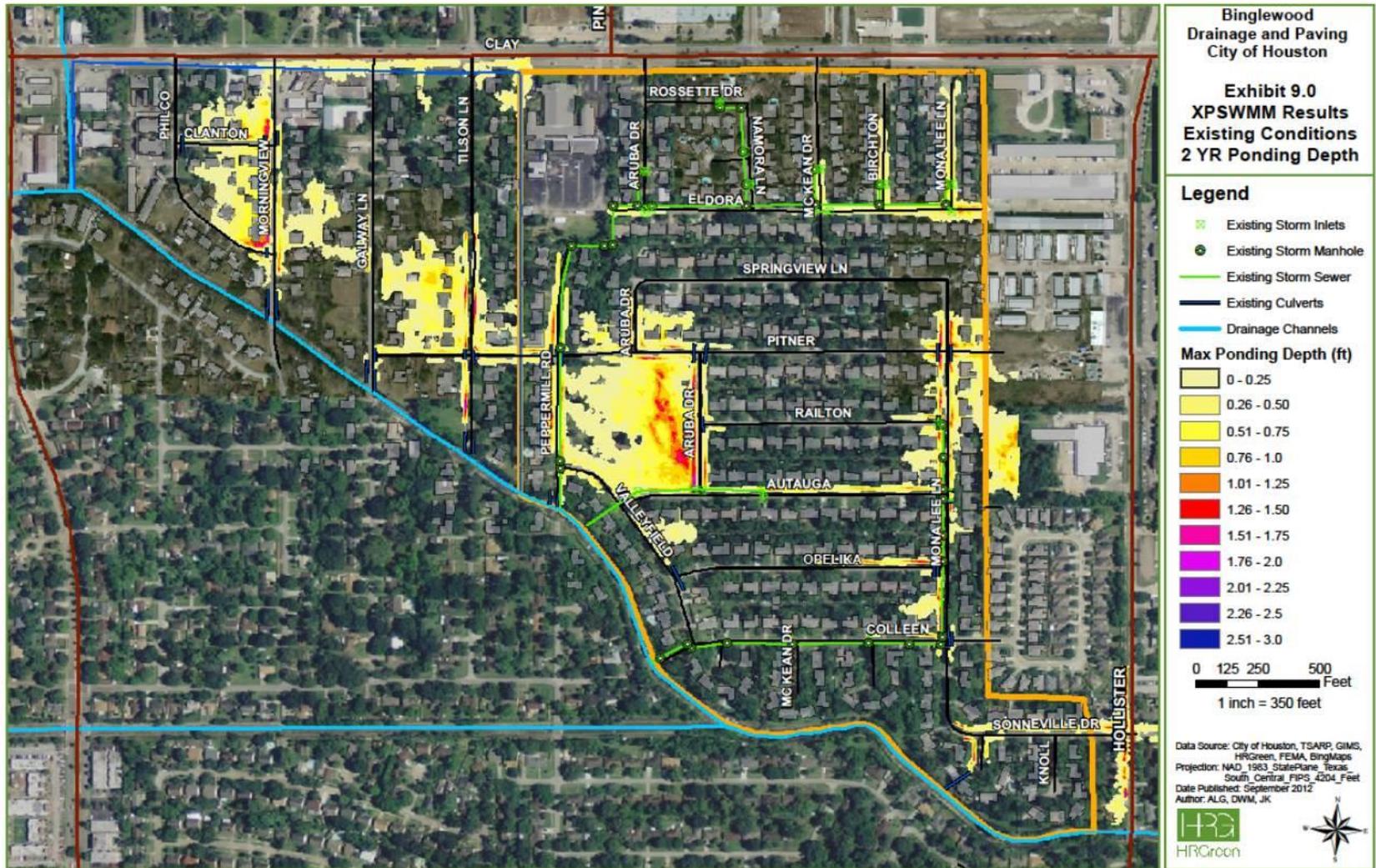


Data Source: City of Houston, TSARR, GIS, HRGreen, FEMA, BingMaps  
Projection: NAD, 1983, StatePlane, Texas, South Central, FIPS\_4204, Feet  
Date Published: January 2015  
Author: MSL & PML



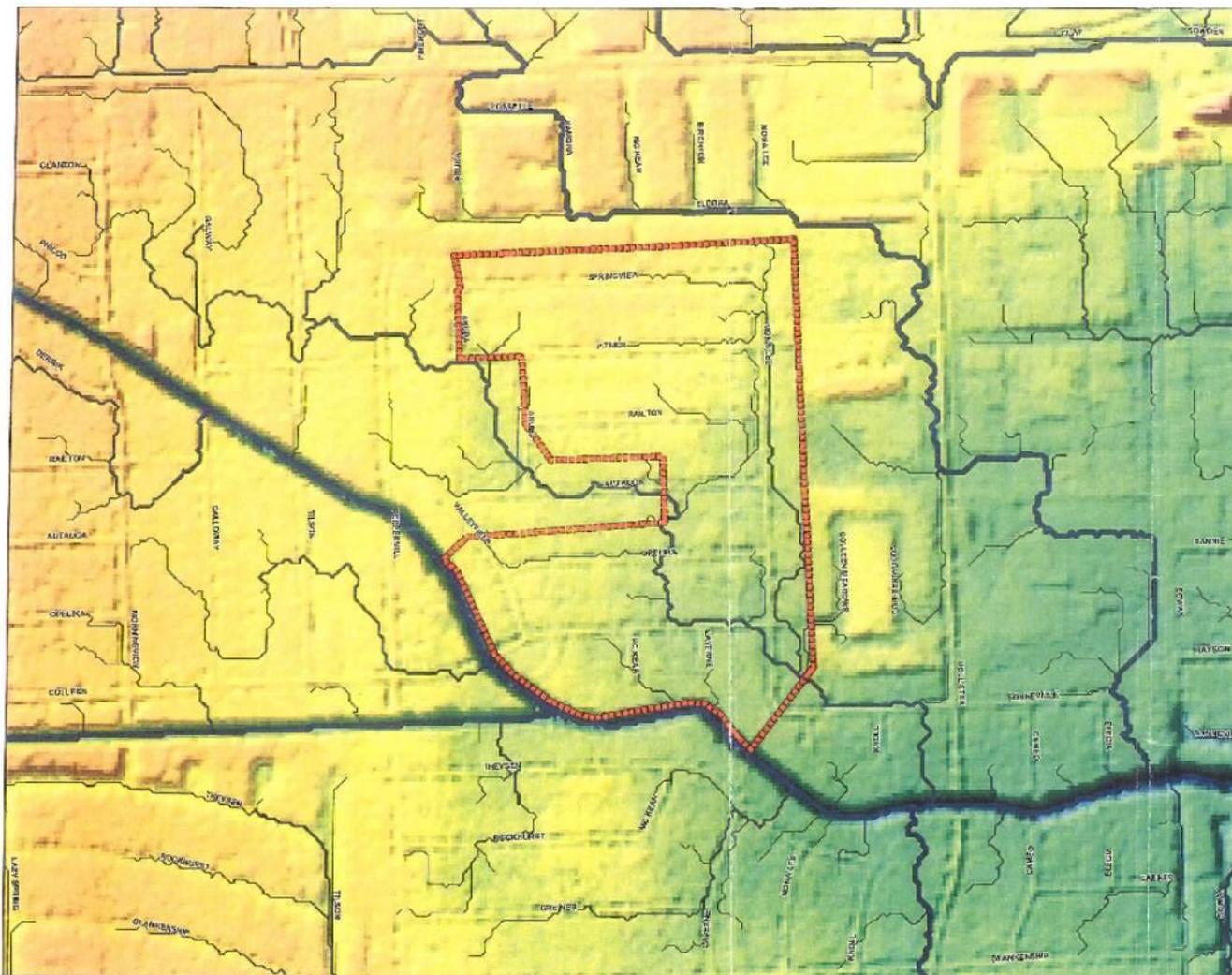

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# Binglewood – Existing Ponding (2-yr Event)



5 homes reported structural flooding since 2002 (FEMA)

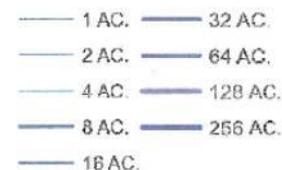
# Binglewood – Overland Flow Paths



## Binglewood Overland Flow & LIDAR

### Legend

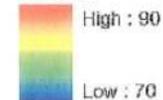
#### Overland Flow



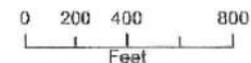
\*Note: Overland flow line widths are based on the contributing drainage area. The line begins when the drainage area reaches the specified acreage.

#### Elevation Shade

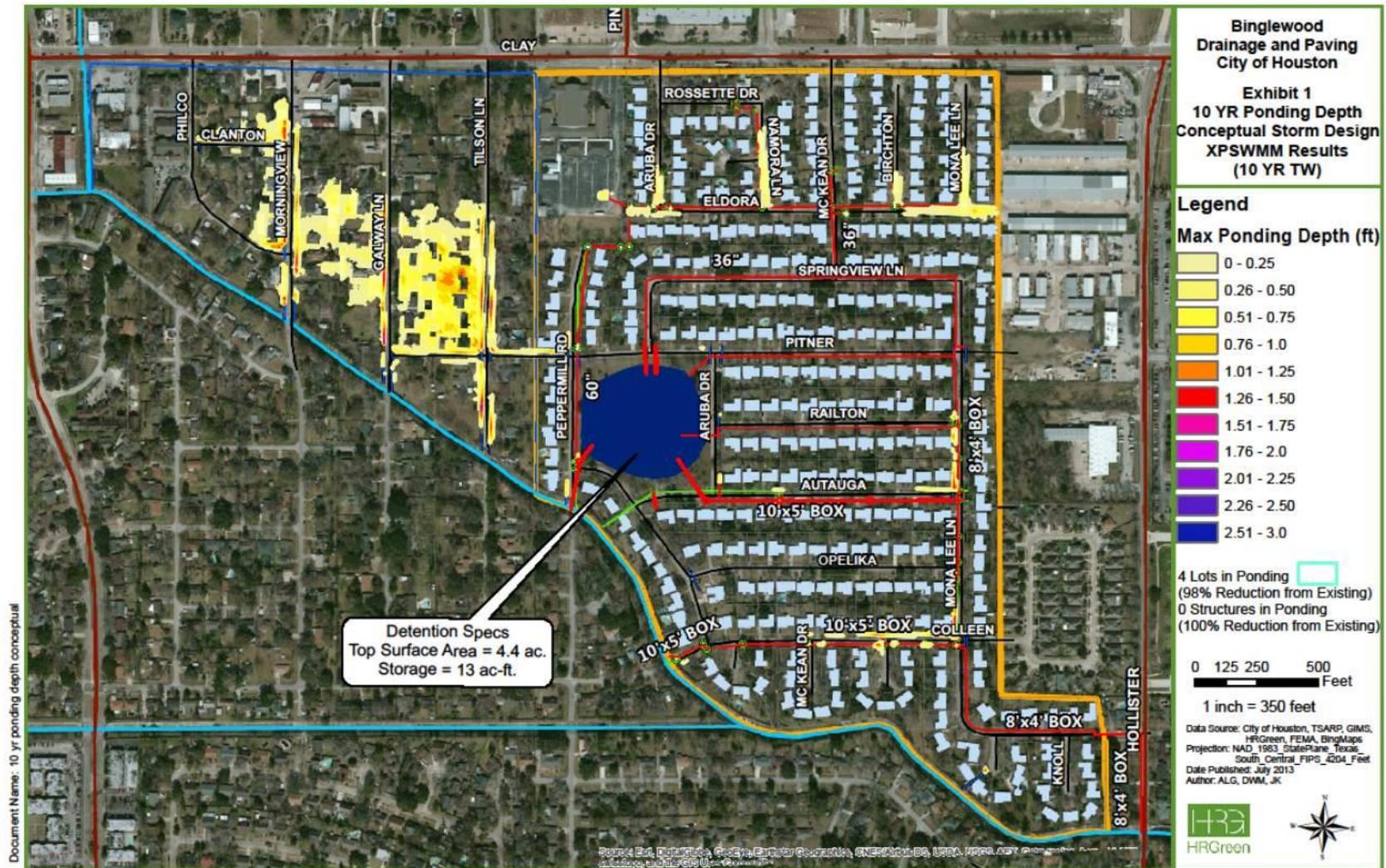
Ft. MSL



Project Area



# Binglewood – Planned Improvements (10-yr Event)



Document Name: 10 yr ponding depth conceptual

Source: City of Houston, TSARP, GIMS, HRGreen, FEMA, BingMaps  
Projector: NAD, 1983, StatePlane, Texas, South Central\_FIPS\_4204\_Feet  
Date Published: July 2013  
Author: ALG, DWM, JK

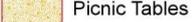
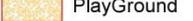
# Binglewood – Multi-Use of Jim Lee Park – Concept 1



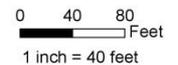
## Binglewood Drainage and Paving

### City of Houston Exhibit 5 Park with Conceptual Improvements

#### Legend

-  Storm Inlet
-  Basin
-  Underground Storm Sewer
-  Trails
-  Picnic Tables
-  Playground

Note:  
Entire Project Region is in  
City Council District "A"



Data Source: City of Houston, TSARP, GIMS,  
HRGreen, FEMA, BingMaps  
Projection: NAD\_1983\_StatePlane\_Texas\_South\_Central\_FIPS\_4204\_Feet  
Date Published: September 2014  
Author: ALG, MSL



# Binglewood – Multi-Use of Jim Lee Park – Concept 2



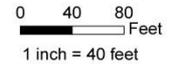
## Binglewood Drainage and Paving

### City of Houston Exhibit 5 A Park with Conceptual Improvements

#### Legend

- Storm Inlet
- Basin
- Underground Storm Sewer
- Trails
- Picnic Tables
- PlayGround

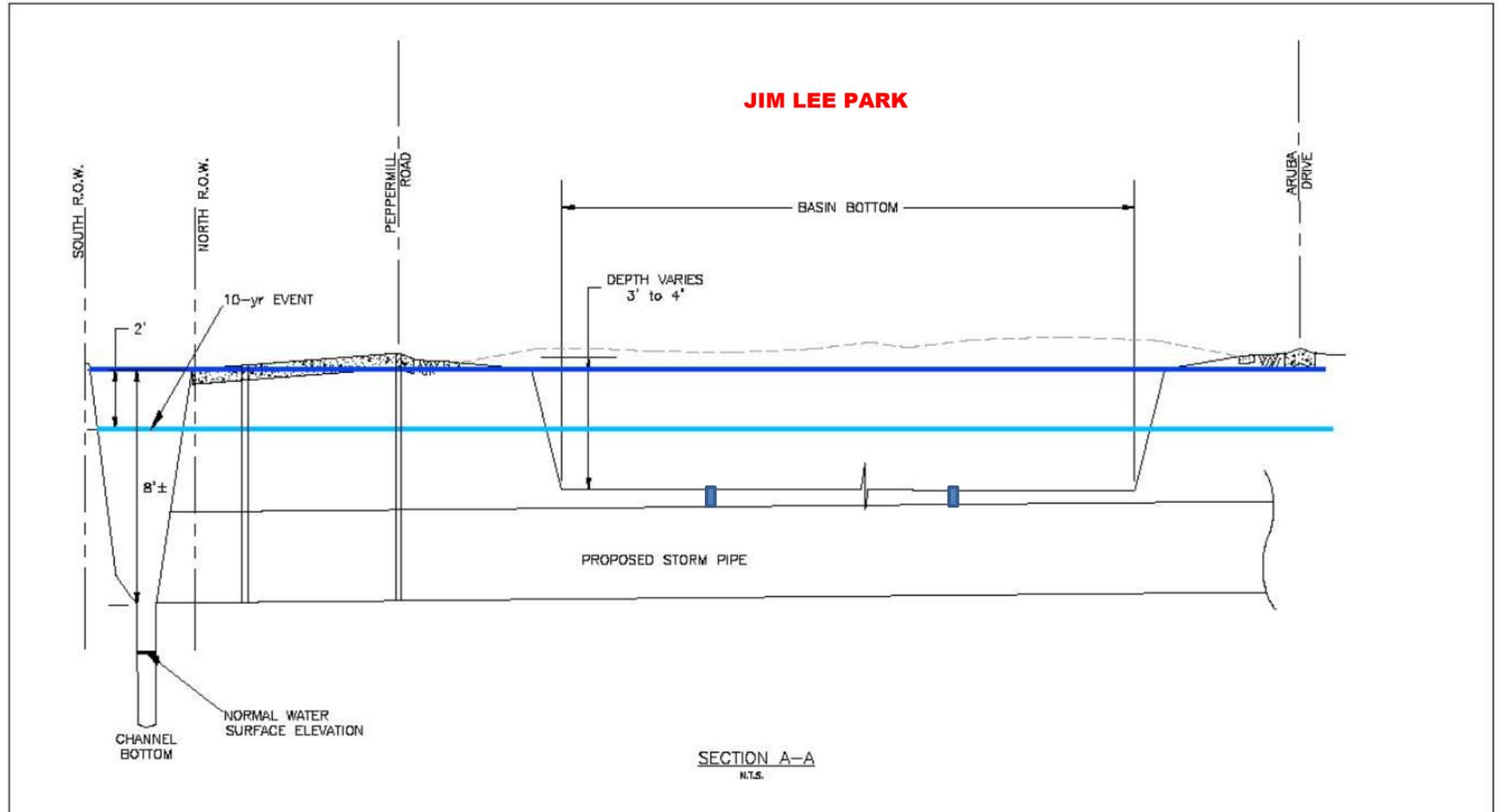
Note:  
Entire Project Region is in  
City Council District "A"



Data Source: City of Houston, TSARP, GIMS,  
HRGreen, FEMA, BingMaps  
Projection: NAD\_1983\_StatePlane\_Texas\_South\_Central\_FIPS\_4204\_Feet  
Date Published: April 2015  
Author: ALG, MSL



# Binglewood – Planned Drainage Profile thru Park



 <p>11011 REQUIRED BY DATE 279          HOUSTON, TX 77002          (713) 865-9633          (713) 865-9644 FAX          HRGREEN.COM          FIRM No. F-11278</p> <p>FILENAME: D:\2011\1047\PROP\CP\PLAN 10 PARK SECTION.dwg          DATE: 5/6/15</p>	<p>CITY OF HOUSTON          BINGLEWOOD          DRAINAGE &amp; PAVING</p>	<p>DRAINAGE SYSTEM PROFILE          SECTION A-A</p>
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# Binglewood – Proposed Street Section



# Binglewood – Project Summary

- CAPITAL IMPROVEMENT PLAN PROJECT for FISCAL YEAR 2016
- ESTIMATED CONSTRUCTION COST W / PARK DETENTION: \$10.5 M
- ESTIMATED CONSTRUCTION COST W/O PARK DETENTION: \$13.3 M
- FINAL DESIGN: Estimated Start in June 2015
- CONSTRUCTION AWARD: Estimated Award in June 2016
- CONSTRUCTION: Estimated Start in August 2016
- CONSTRUCTION DURATION: 12 to 18 Months

# Binglewood – Community Decisions

1. Use of Jim Lee Park for Detention
2. Sidewalks or No Sidewalks
  - ✓ 75% resident approval, or
  - ✓ HOA approval, or
  - ✓ Council Member approval



QUESTIONS?