

# SUNSET ACRES SUBDIVISION IMPROVEMENTS

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JANUARY 14, 2020

# Agenda

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- Project Background
- Mobility IH 35: SH123 improvement project
- Existing infrastructure
- Project scope
- Preliminary Engineering
- Detailed Design
- Project schedule

# Project background

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- ☐ Sunset acres traffic study
  - Neighborhood meeting: March 24, 2016
  - Neighborhood meeting: June 2, 2016



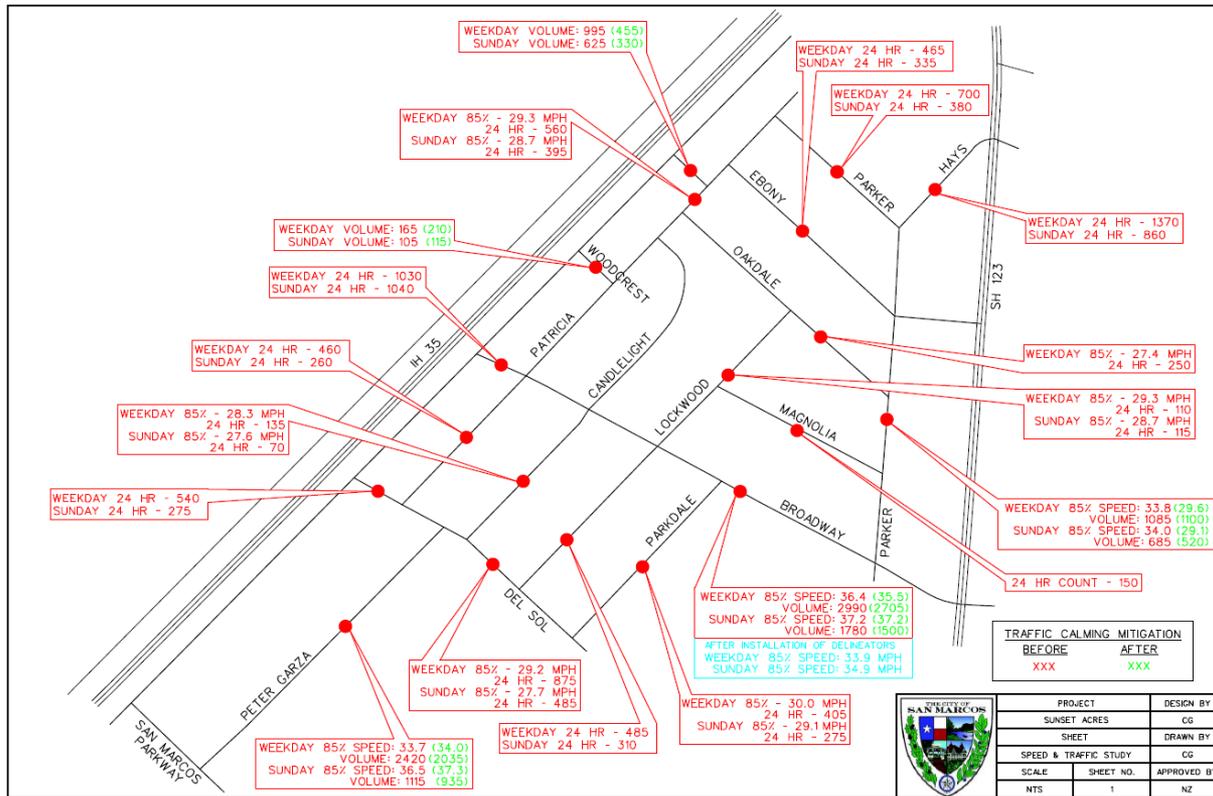
# Project background

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- Sunset acres traffic study – Citizens feedback
  - Traffic operations problems identified by citizens included SPEEDING, TRAFFIC VOLUMES, CUT-THROUGH TRAFFIC, PARKING & CRASHES
  - Intersection layout/geometry and school traffic are causing traffic problems
  - Substandard infrastructure features identified by citizens included LACK OF SIDEWALKS, LACK OF SAFER PEDESTRIAN CROSSING, LACK OF PROPER SIGNAGE, INTERSECTION ROADWAY GEOMETRY AND LACK OF DRAINAGE INFRASTRUCTURE

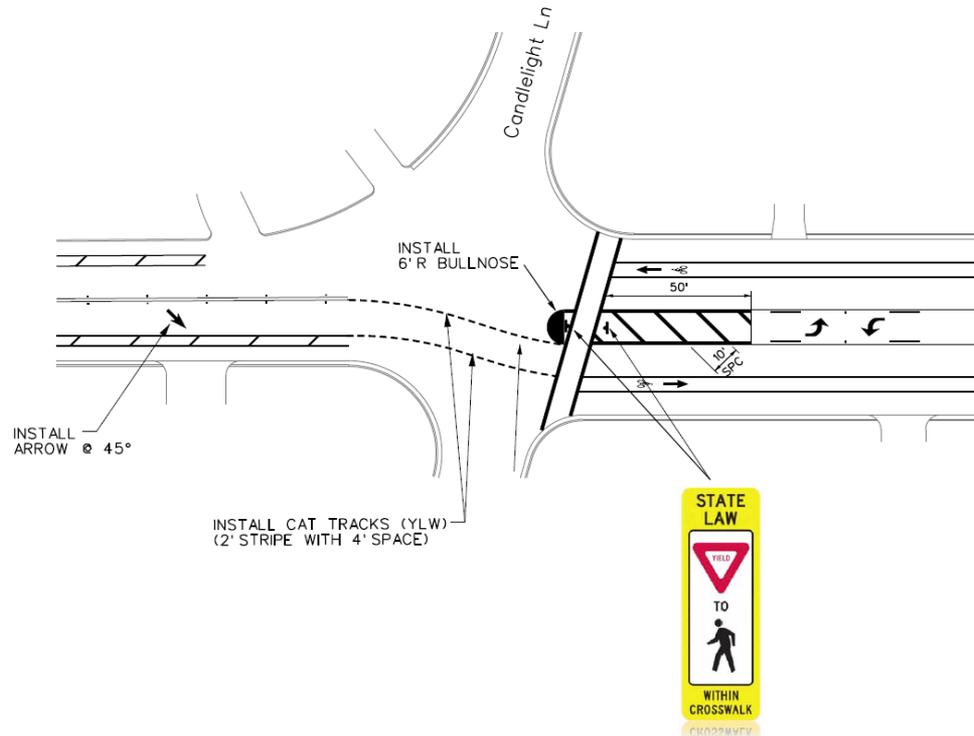
# Project background

## ☐ Sunset acres traffic study



# Project background

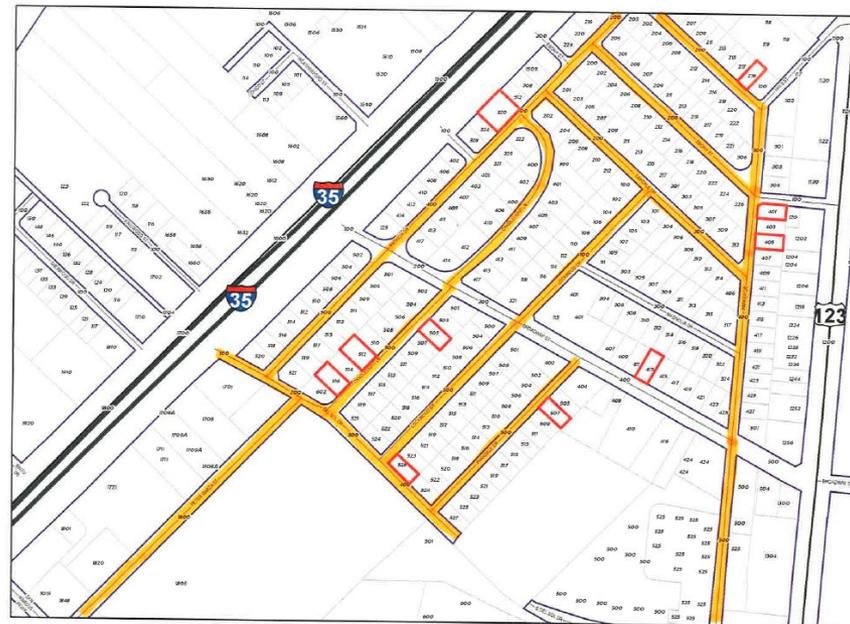
- Sunset acres traffic study: proposed improvements
  - Cross walk at Candlelight Ln



# Project background

- ☐ Sunset acres traffic study: proposed improvements
  - Speed limit reduction from 30 MPH to 25 MPH

Sunset Acres 25 mph speed limit



 Speed limits reduce from 30 mph to 25 mph

 Property supports the petition



# TxDOT Mobility IH35

## □ Mobility IH35: SH80 to RM12 project

- This project consists of intersection improvements at I-35 and SH 123 and ramp reversals between SH 80 and RM 12.
- Reconstruct and improve the SH 123 intersection
- Reverse two ramps along the northbound frontage road between SH 80 and SH 123
- Reverse one entrance ramp along the southbound frontage road between SH 80 and SH 123
- Realign the existing southbound exit ramp to SH 123 (CM Allen Parkway)
- Reconstruct the mainlanes and bridge over SH 123



# TxDOT Mobility IH35

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## □ Project Funding & Construction Costs

- Project development funded by TxDOT
- Construction funded by Capital Metropolitan Planning Organization and TxDOT
- Construction cost estimate: \$107 million

## □ Project Schedule

- Begin Plans, Specifications and Estimates (PS&E): August 2017
- Complete PS&E: mid-2021
- Construction letting: anticipated mid-2021
- Construction start: anticipated late 2021
- Construction completion: anticipated late 2023

# Existing Infrastructure

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## ☐ Drainage issues within the subdivision

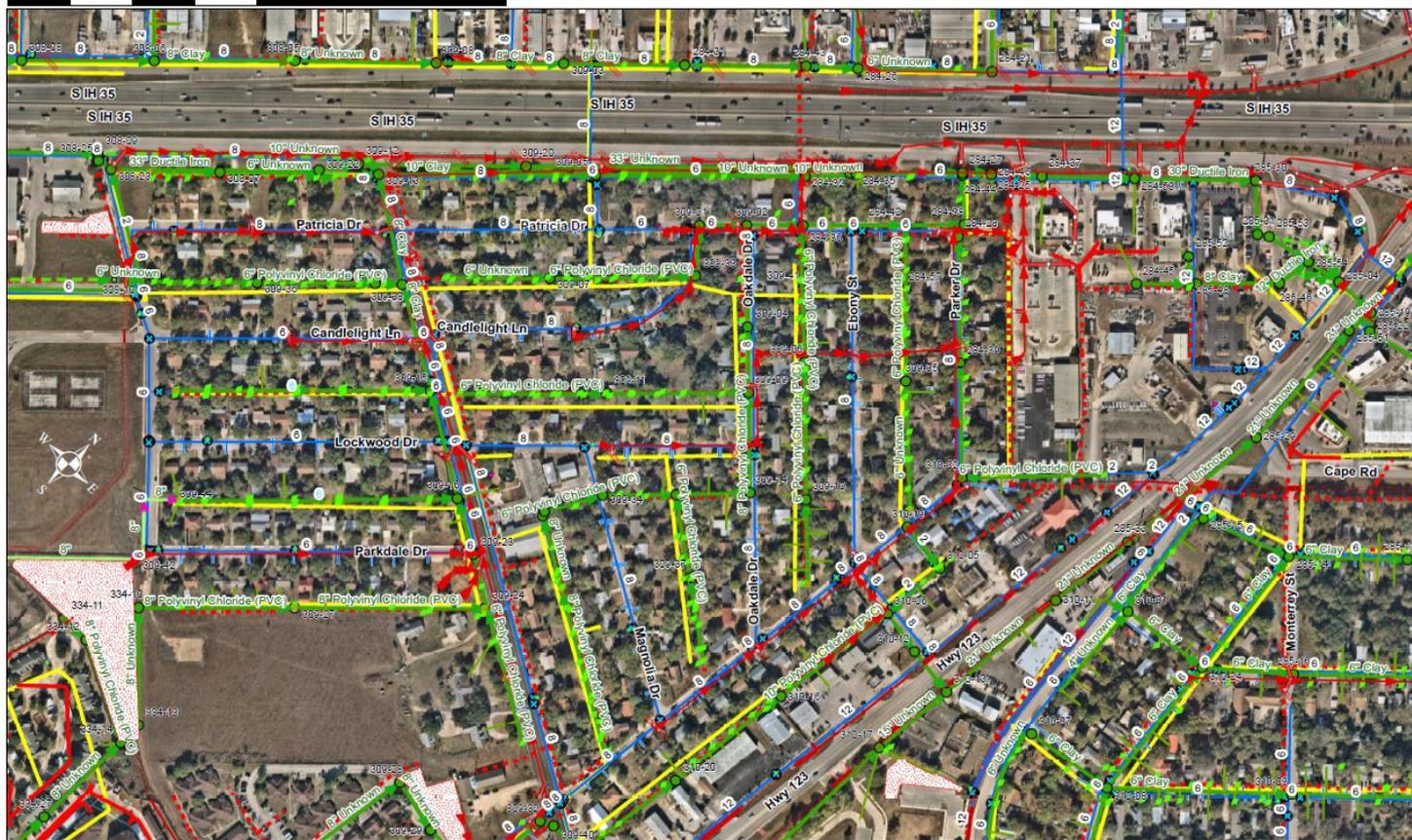
- Existing system is undersized
- Frequent flooding reported by Sunset Acres residents
- Existing system drains to a trunk line within TxDOT ROW
- City is working with TxDOT to upsize the system within the subdivision as well as TxDOT ROW

## ☐ Utilities & Streets

- Waterline along Patricia Drive
- Waste water line along Broadway and Parkdale
- Several streets are in bad shape and requires reconstruction

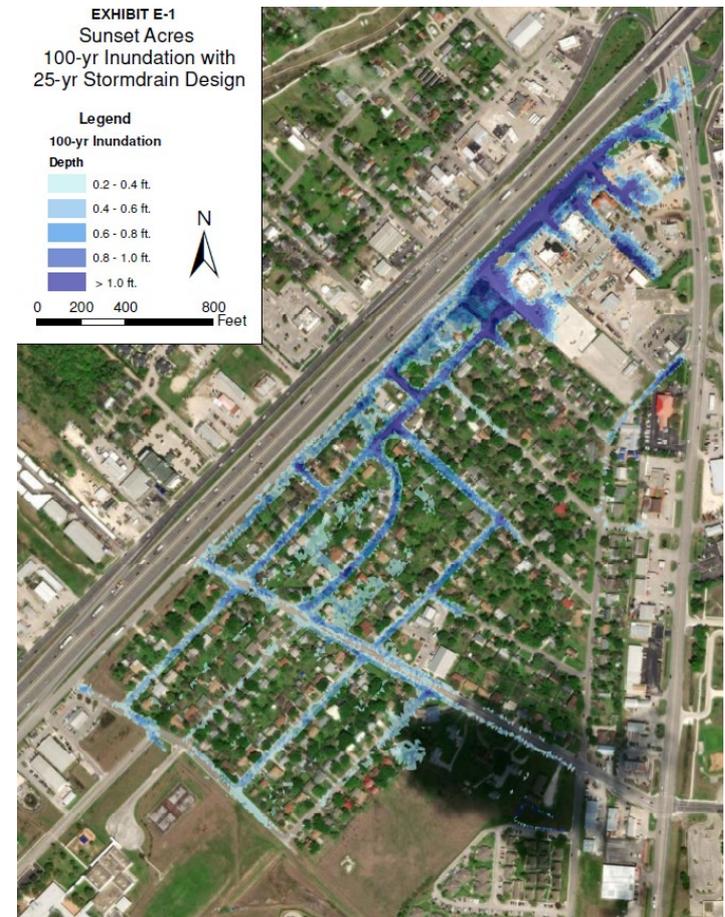
# Existing Infrastructure Map

720 360 0 720 Feet



# Project Scope

- Preliminary Engineering
- Design
- Bidding
- Construction



# Preliminary Engineering

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- Storm system upgrade options
- Detention pond options
- Patricia Dr water main replacement
- Parkdale St WW line replacement
- Broadway St WW line replacement
- Traffic calming options
- Water quality
- Construction cost estimate – \$11.1M
- Final report was submitted in July 2019





# Project Schedule

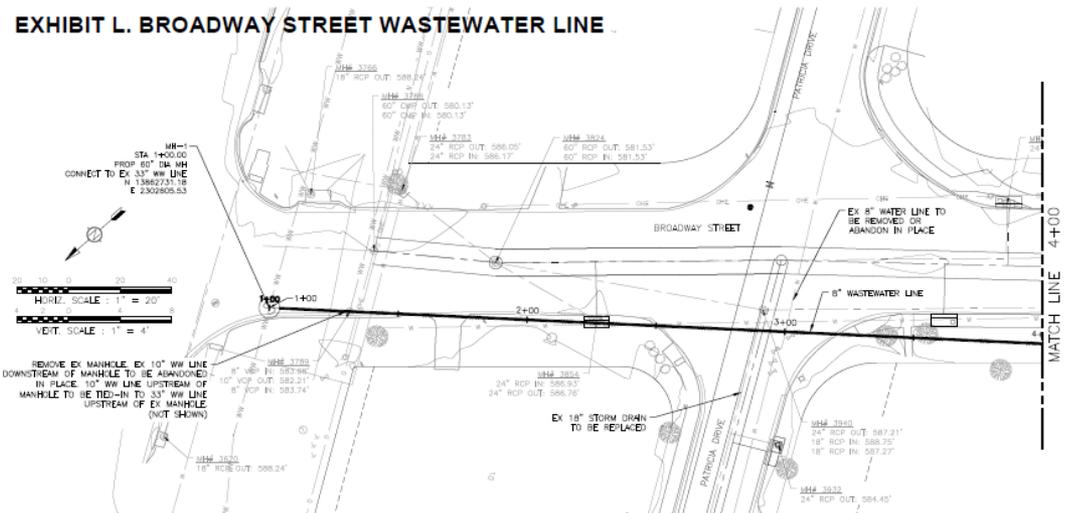
## ☐ Detention Pond

- Design – July 2020
- Bidding – November 2020
- Construction – June 2021

## ☐ Storm, Streets & Utilities

- Design – March 2021
- Bidding – August 2021
- Construction – July 2023

☐ TxDOT storm system improvements has to be constructed before drainage improvements proposed within the subdivision. Detention pond construction will reduce some flooding issues within the subdivision prior to proposed storm system improvements.



# Questions?

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