



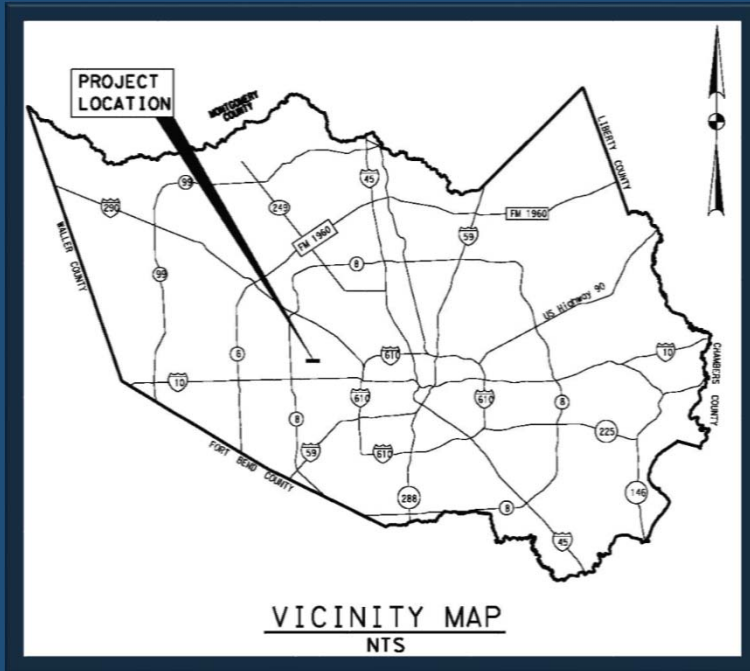
# *Neuens Road Improvements From Gessner Rd. to Blalock Rd.*

*Harris County Precinct 4*

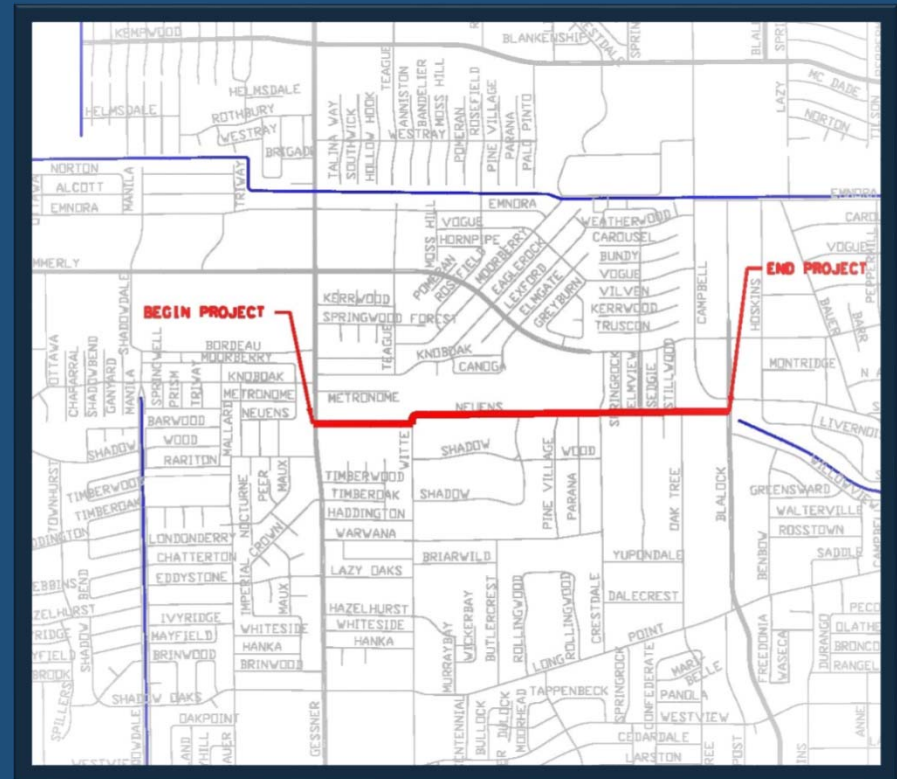
*UPIN 18104MF0UE01*



# Project Location



Harris County, Pct. 4  
City of Houston, Council District A  
Key Map Pages: 450 S&T



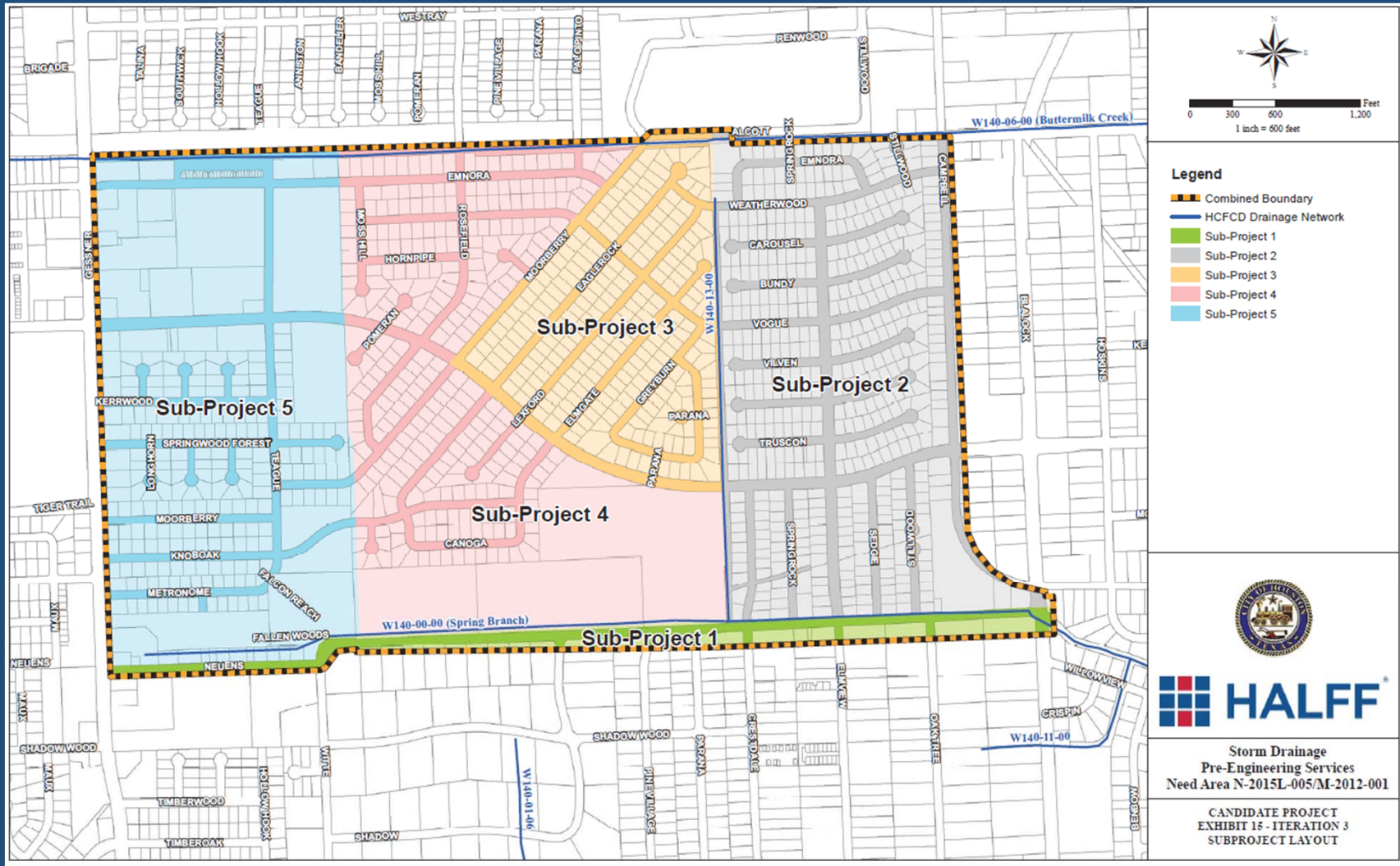
Project Limits: *from Gessner Rd to Blalock Rd*  
Length: 6,500 ft. (1.2 Mi.)

# Master Agreement

Executed on March 27, 2018

- COH and HC desire to cooperate on projects
- HC may elect to contribute funds towards financing a project located in COH
- Either HC or COH may be the “Project Lead”
- Neuens Project Lead- HC
  - Required to plan, design, and construct the project
  - Must have sufficient funds to complete the projects until reimbursed
- COH Responsibilities:
  - Allocation of necessary funds to reimburse the Project Lead for the project
  - Payments within 45 days

# Project Agreement

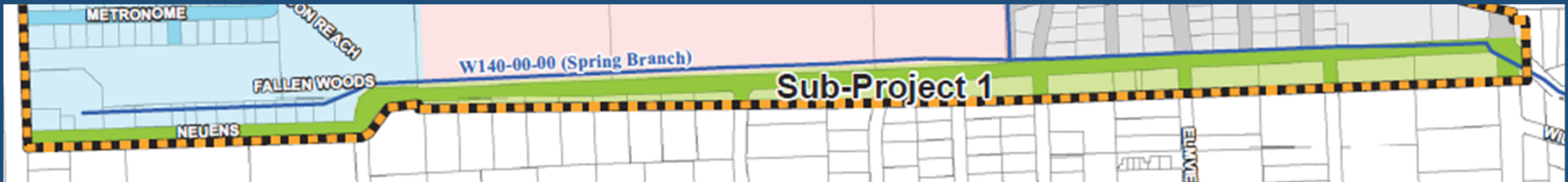


**HALFF**

Storm Drainage  
Pre-Engineering Services  
Need Area N-2015L-005/M-2012-001

CANDIDATE PROJECT  
EXHIBIT 15 - ITERATION 3  
SUBPROJECT LAYOUT

# Project Agreement



# Project Agreement

Signed June 29, 2018

- Neuens- Sub Project 1
- COH Responsibilities :
  - Pay for all betterments such as sidewalks, water lines etc.
  - Lead public engagement/outreach
  - Provide project input/feedback within 10 working days
- HC Responsibilities :
  - Professional services
  - Maintenance of road for 5 years after construction completion
  - Lead engagement with Spring Branch ISD

# Existing Conditions

- Neuens Rd. runs East/West with 11 intersecting side streets
- Existing Roadway
  - Asphalt Roadway
  - 2-lanes; 10 FT to 11 FT wide
  - Posted Speed Limit - 30 MPH
  - Auxiliary lane at schools
  - Sidewalks at various locations
  - Speed bumps
- Roadside ditches (3 FT to 5 FT deep)
- Underground storm sewer (96" RCP to 2-8x'8' RCB)



RCP – Reinforced Concrete Pipe

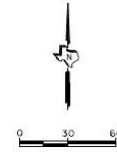
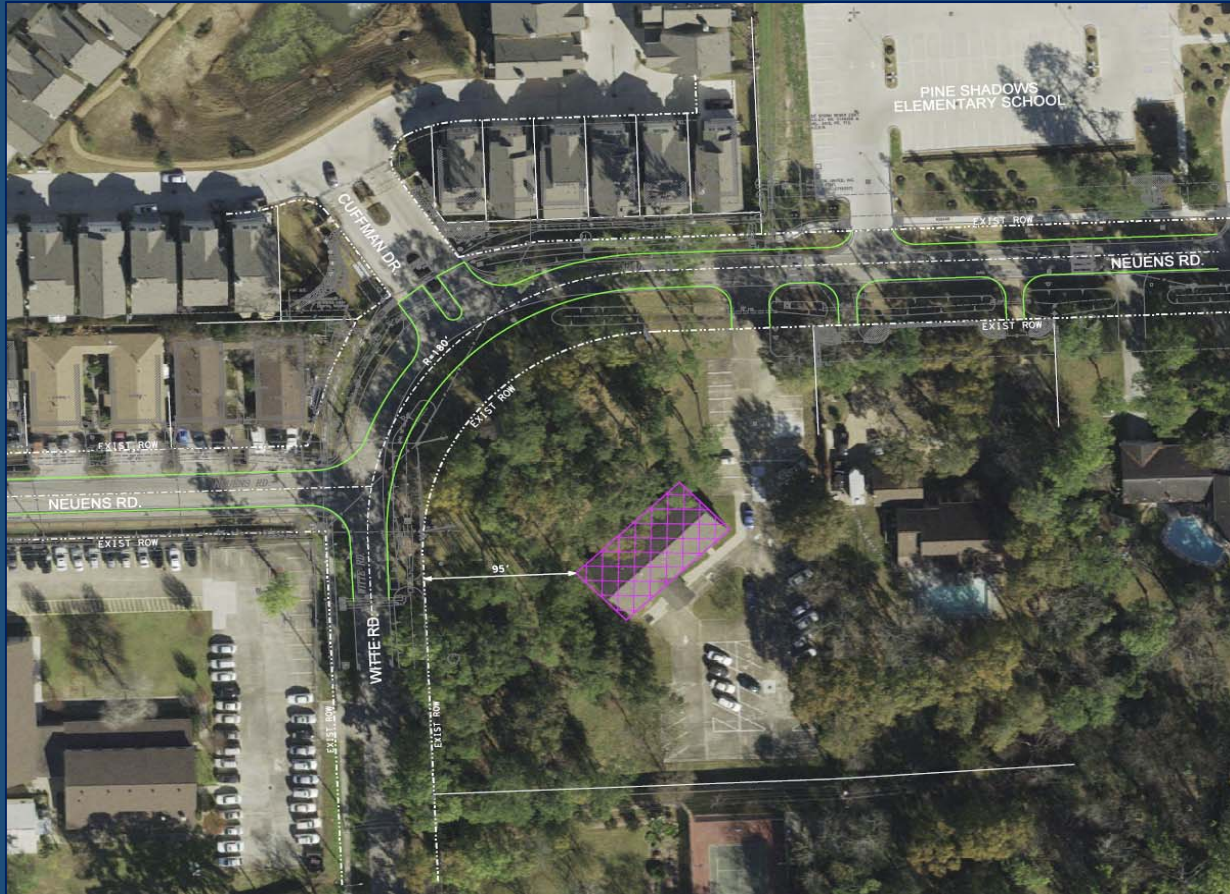
RCB – Reinforced Concrete Box

# Proposed Road Conditions

- Generally follows existing alignment
- Improved curve at Witte Road/Implement All-way Stop
- Proposed Roadway
  - 2-lane; 11 FT lanes w/curb & gutter
  - Roadside ditch w/grate inlets
  - Proposed sidewalks
  - Replace auxiliary lane at schools
- Major Intersections:
  - Gessner Road
  - Blalock Road



# Proposed Road Conditions



- NOTES:
1. INTERSECTION OF NEUENS AND WITTE ROAD WILL BE ALL-WAY STOP CONTROLLED.
  2. ELEVEN (11) TREES WITHIN EXISTING RIGHT-OF-WAY BETWEEN NEUENS ROAD AND THE CURCH PROPERTY WILL BE REMOVED FOR PROPOSED CONSTRUCTION.

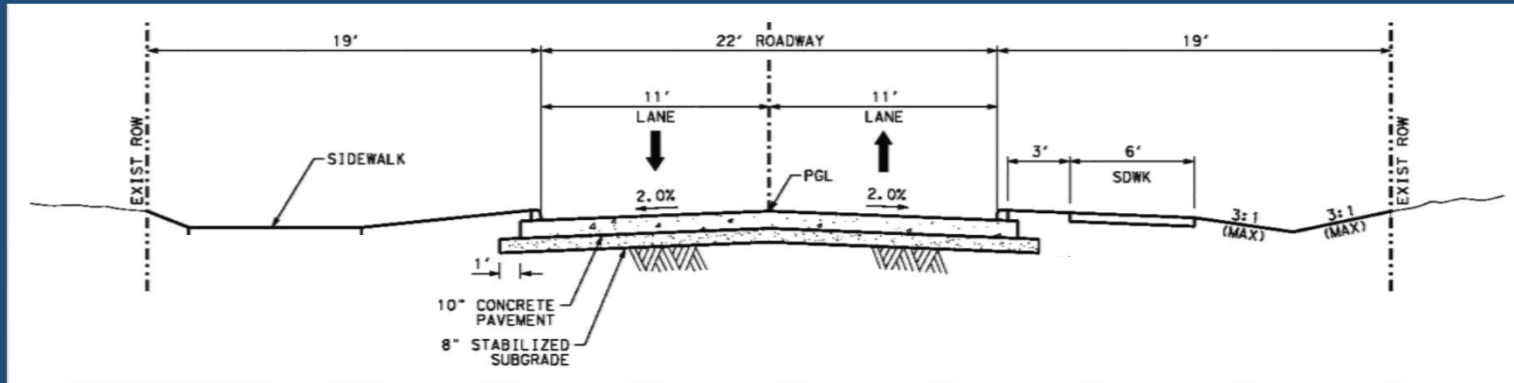
**CivilTech Engineering Inc.**  
11821 Tidge Road  
Cypress, Texas 77429  
C(281)304-0200  
F(281)304-0210  
Firm Registration No. 16032

NEUENS ROAD IMPROVEMENTS  
ALTERNATIVE ALIGNMENT NO. 1

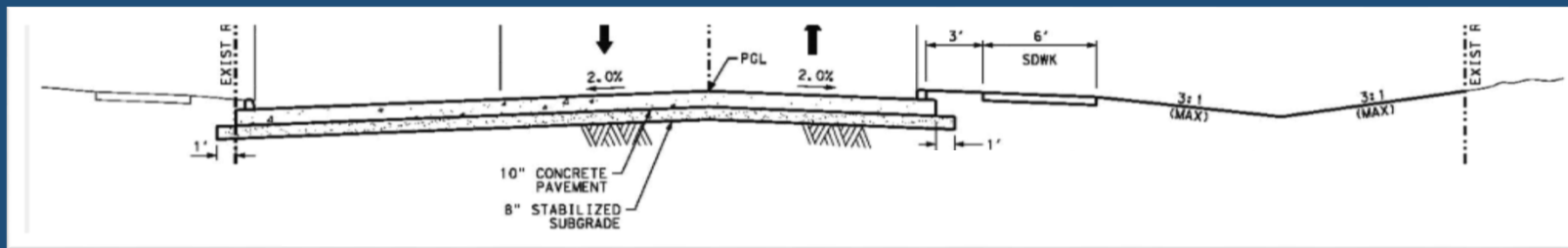
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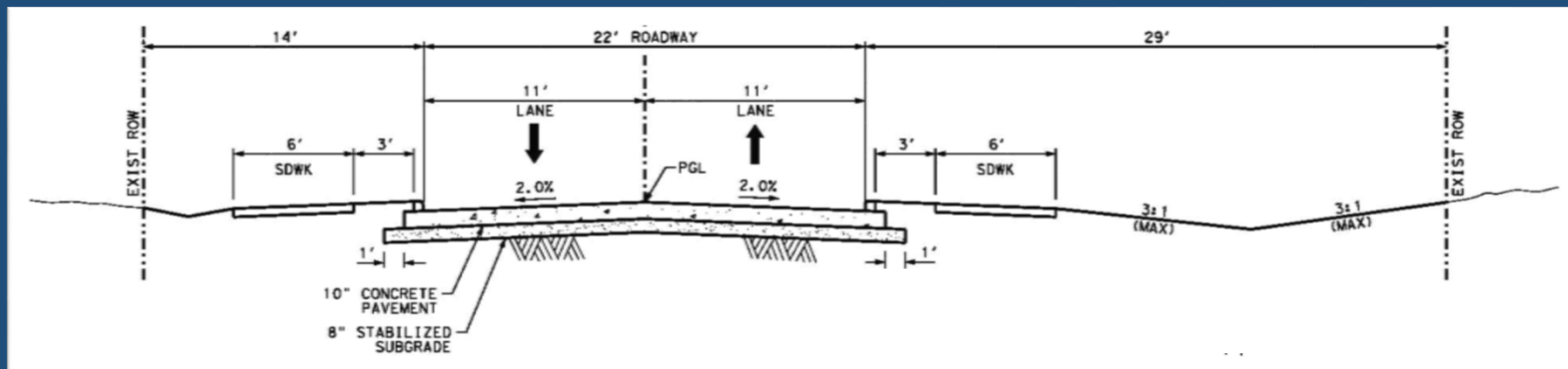
## Typical Section: Gessner Rd. to Witte Rd.



## Typical Section: Witte Rd. to Parana Dr.

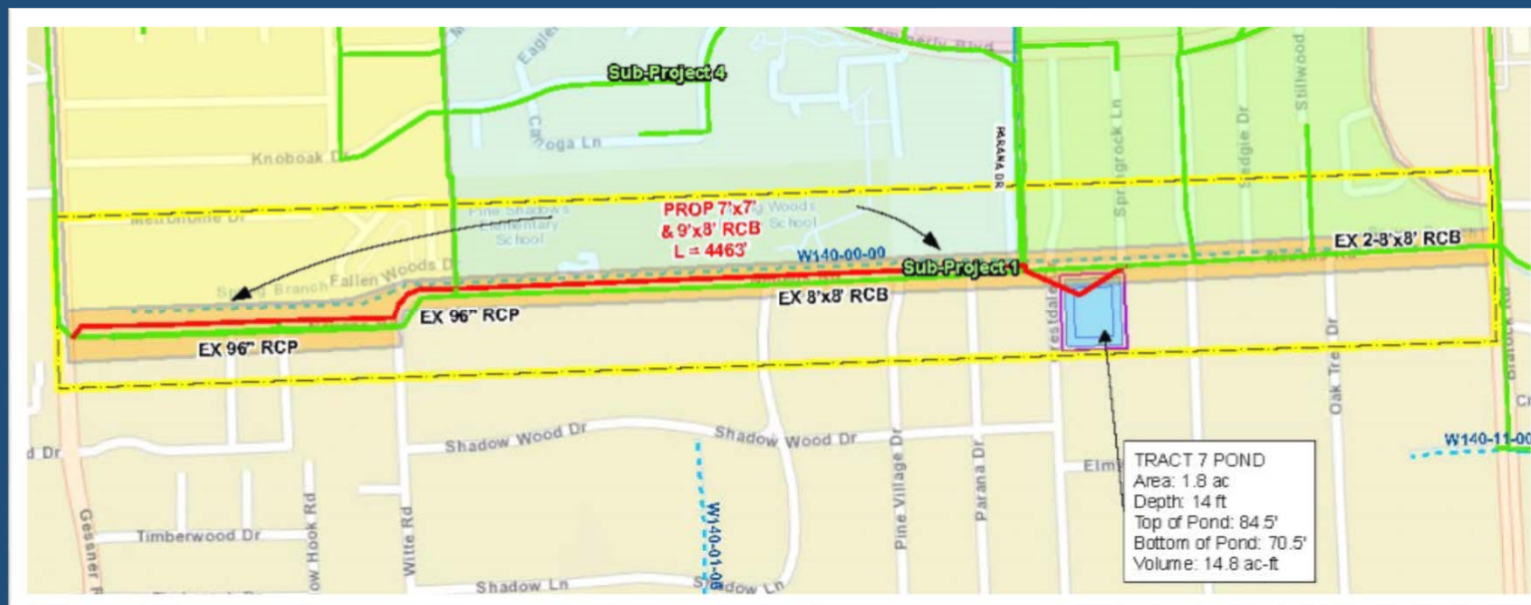


## Typical Section: Parana Dr. to Blalock Rd.



# Proposed Drainage

- Half Need-Area Analysis Modeling as a Base Condition
  - Optimize & maximize detention
- Detention Pond
  - Approximately 15 Ac-ft. of volume provided
- In-Line Detention (within ROW)
  - Approximately 12.5 Ac-ft.

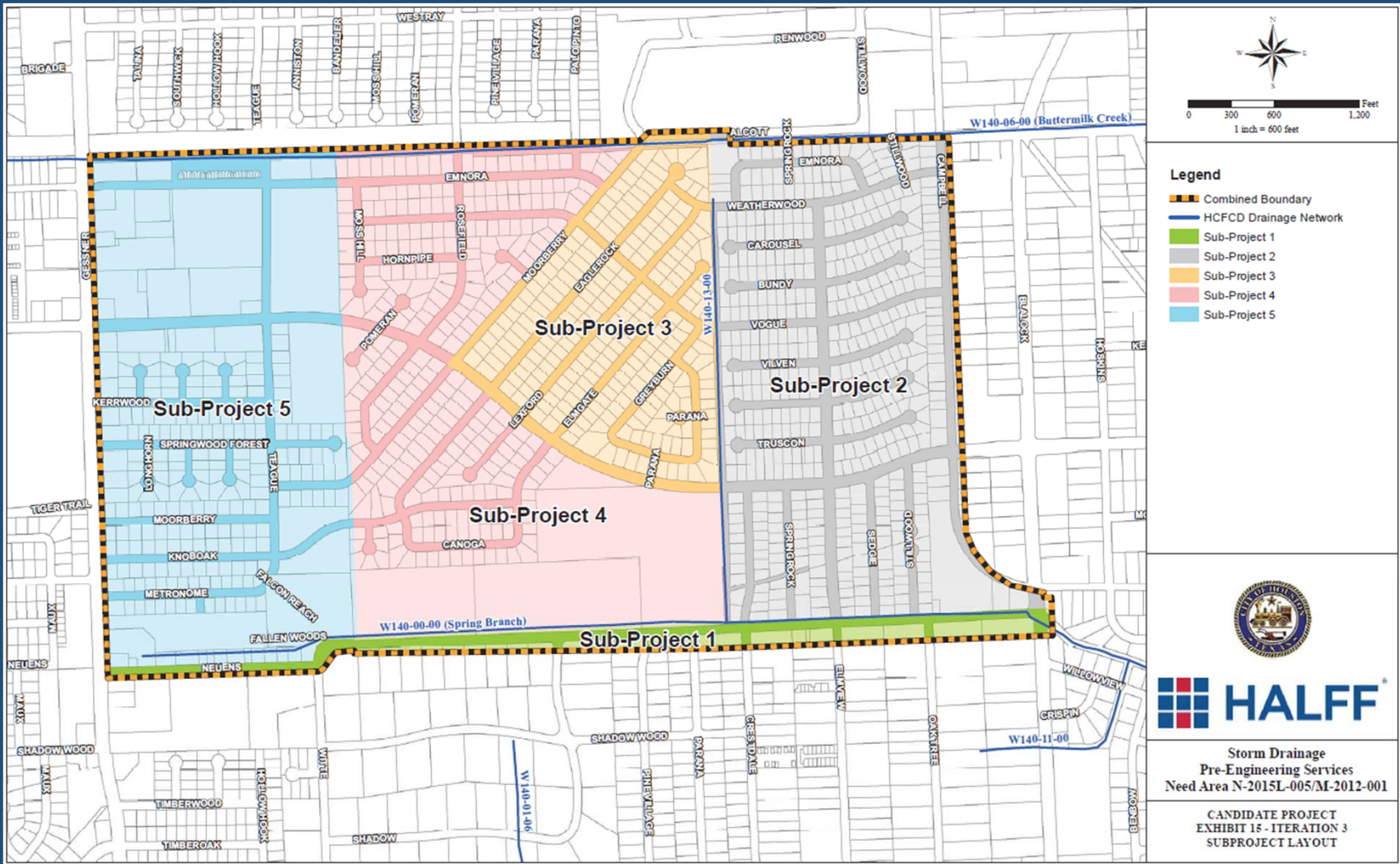


RCP – Reinforced Concrete Pipe

RCB – Reinforced Concrete Box

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# COH PER Drainage Area

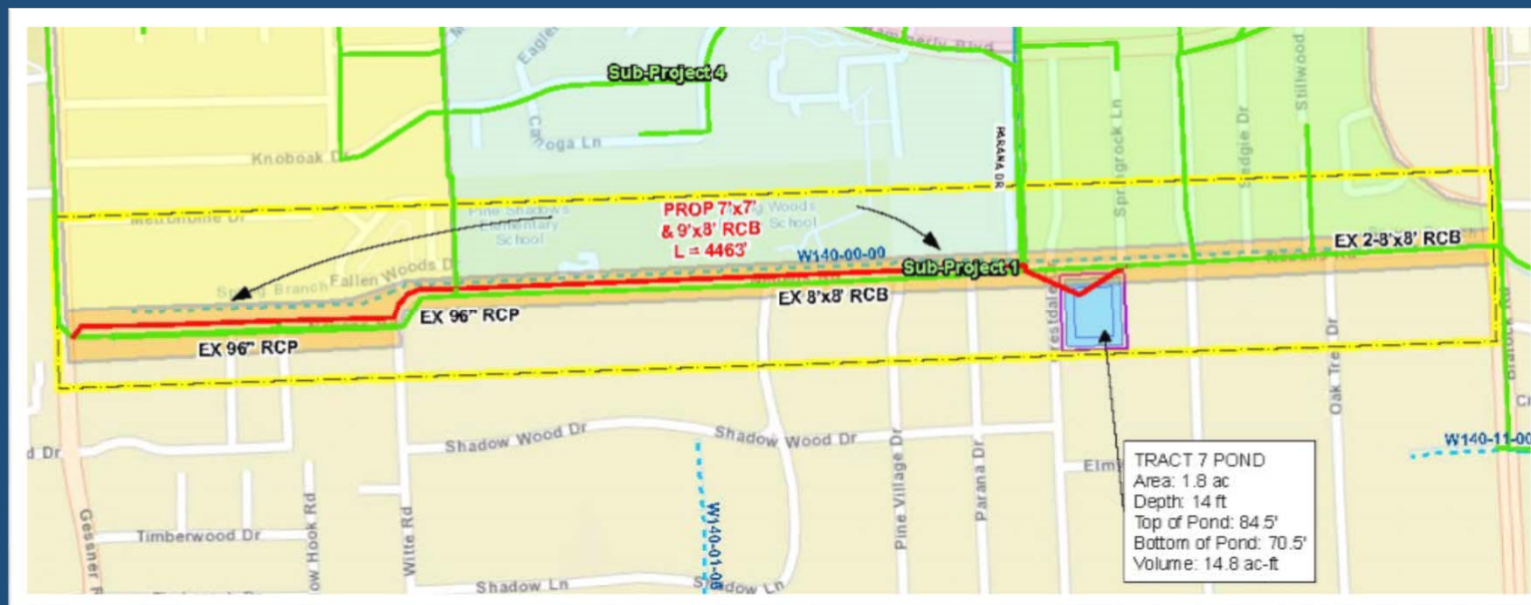


# HCED Drainage Area



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  - Approximately 12.5 Ac-ft.



RCP – Reinforced Concrete Pipe

RCB – Reinforced Concrete Box

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# Schedule

## Project Agreement

7/30/18	<i>Study Kick-off</i>
Jul 2019	<i>Client Presentation/Study Complete</i>
Dec 2019	Design Complete / Permit Approval / Advertise
Feb 2020	Bid Project
Mar 2020	Award / NTP Construction
Jul 2022	Construction Complete

## Current

7/30/18	<i>Study Kick-off</i>
3/6/19	<i>Client Presentation</i>
8/1/19	<i>Design Kick-off</i>
Sept 2019	Study Report on CC
Dec 2019	Design Complete / Permit Approval / Advertise
Feb 2020	Bid Project
Mar 2020	Award / NTP Construction
Jul 2022	Construction Complete



# Construction Costs

	Project Agreement Estimate	Spent to Date	Current Estimate (Study Phase)
Harris County	\$ 3.3M	\$3.75M	\$3.3M
City of Houston	\$14.55M	\$0	\$14.9
Total	\$ 17.85M	\$ 3.75M	\$18.2M

# Project Impacts

- Alignment
- Drainage impact analysis
- CDBG-DR 2015 Funds
  - Environmental clearance
- Construction financing

# Questions?

