

Drainage Master Plan

2026

"Harris County Drainage Master Plan – Our Neighborhood, Our Future"



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COUNTY ENGINEER

Community Flood Resilience Task Force – September 22, 2026

Agenda

Community Flood Resilience Task Force Meeting

September 22, 2026

- Welcome & Introductions
- Project Purpose
- Team Organization
- Regions and Watersheds
- Project Process
- Next Project Steps
- Public Viewer

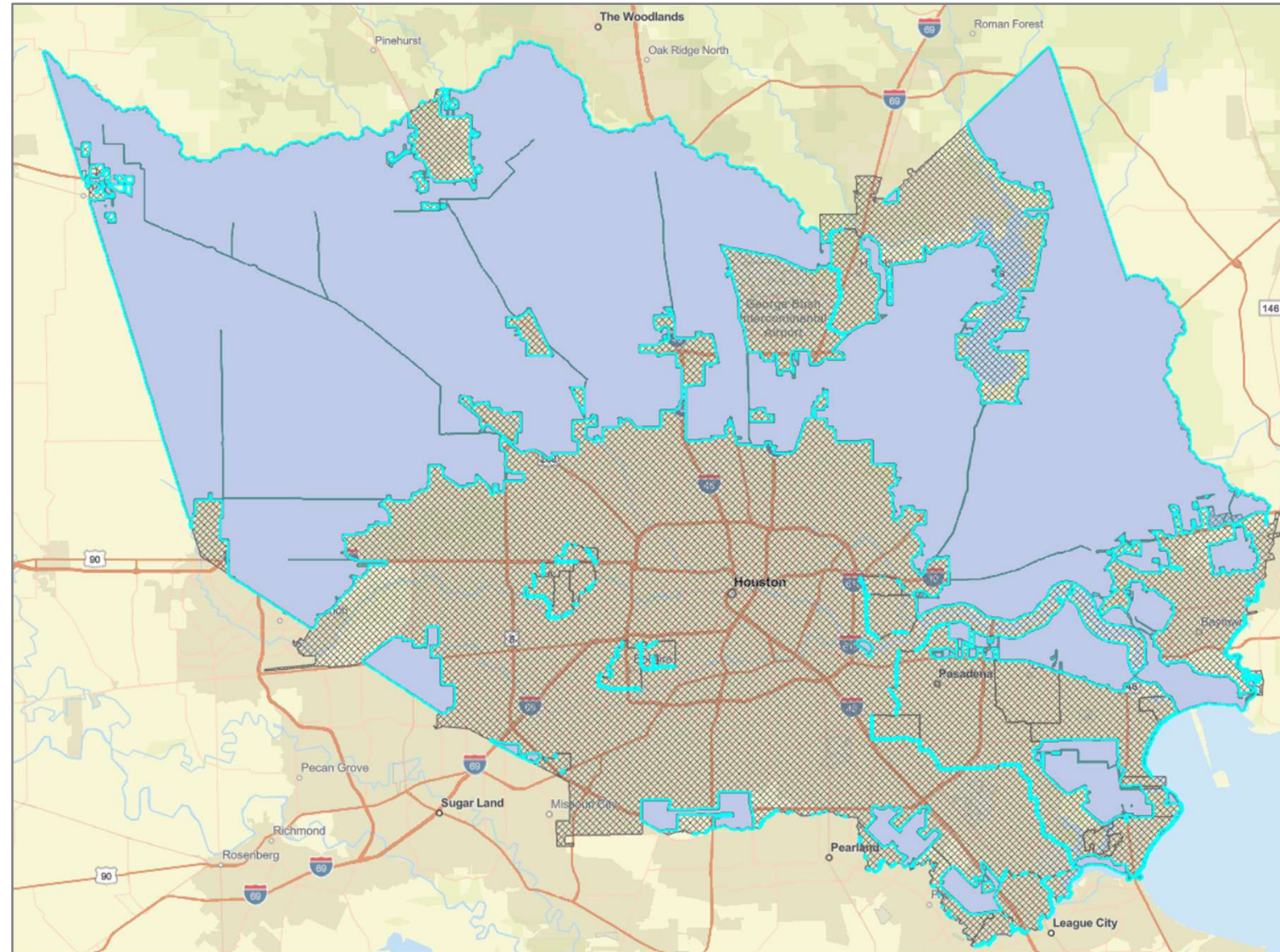


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Project Purpose

The Harris County Drainage Master Plan will recommend neighborhood flood reduction projects within unincorporated areas not covered by previous or ongoing drainage projects.



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Team Organization

County Engineer

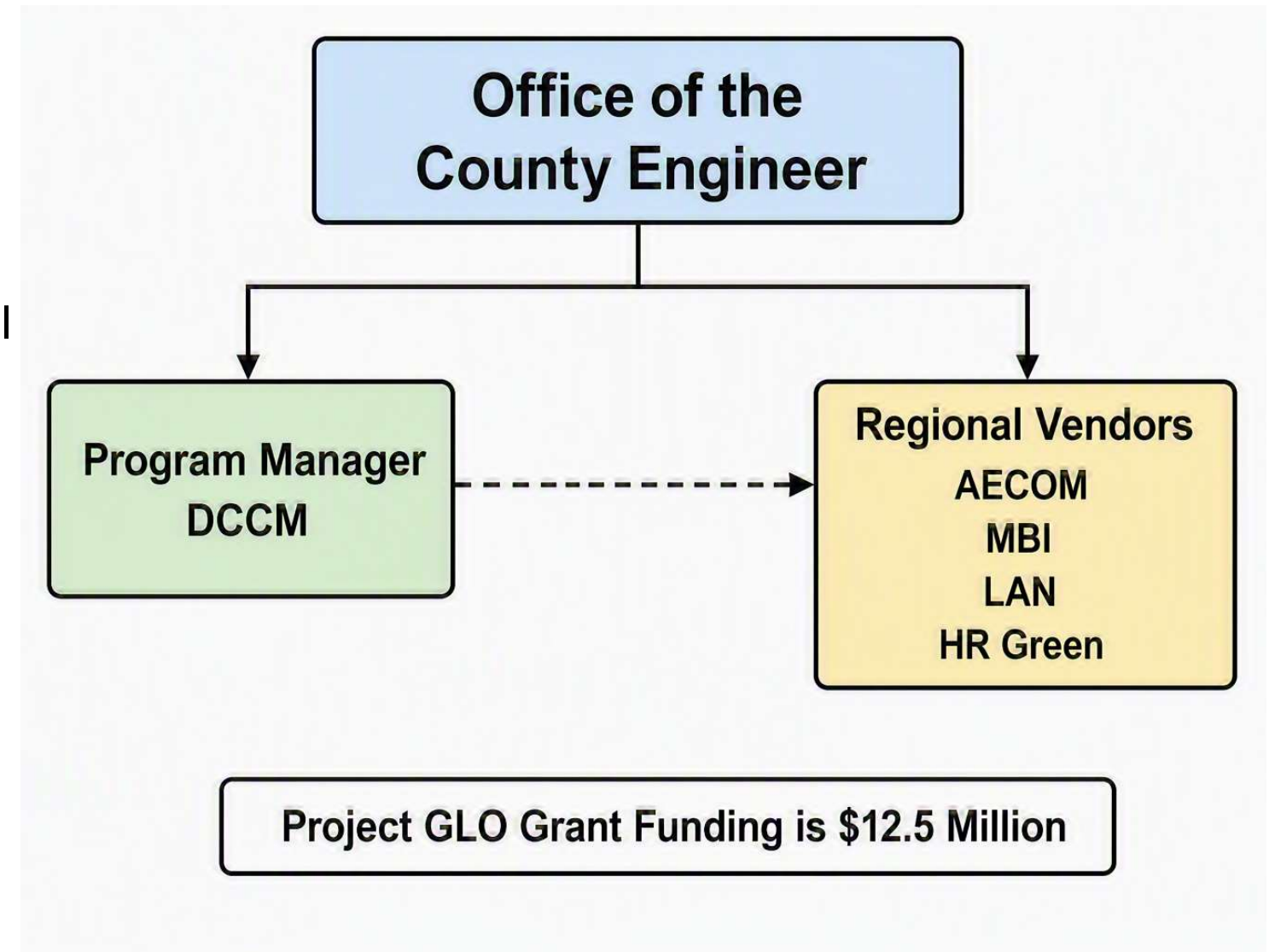
- Dr. Milton Rahman, P.E., PMP, CFM, ENV-SP

OCE Project Team:

- Erwin Burden, P.E., CFM – Chief of Engineering & Architectural
- Susan Mullen, P.E., CFM – Team Lead
- Zafar Ahmed, P.E., PMP – Project Manager

DCCM and Regional Vendor Teams :

- Steve Albert, P.E., MM Program Manager – DCCM
- Region 1 Team AECOM
- Region 2 Team MBI
- Region 3 Team LAN
- Region 4 Team HR Green



Regions and Watersheds

Program Manager DCCM

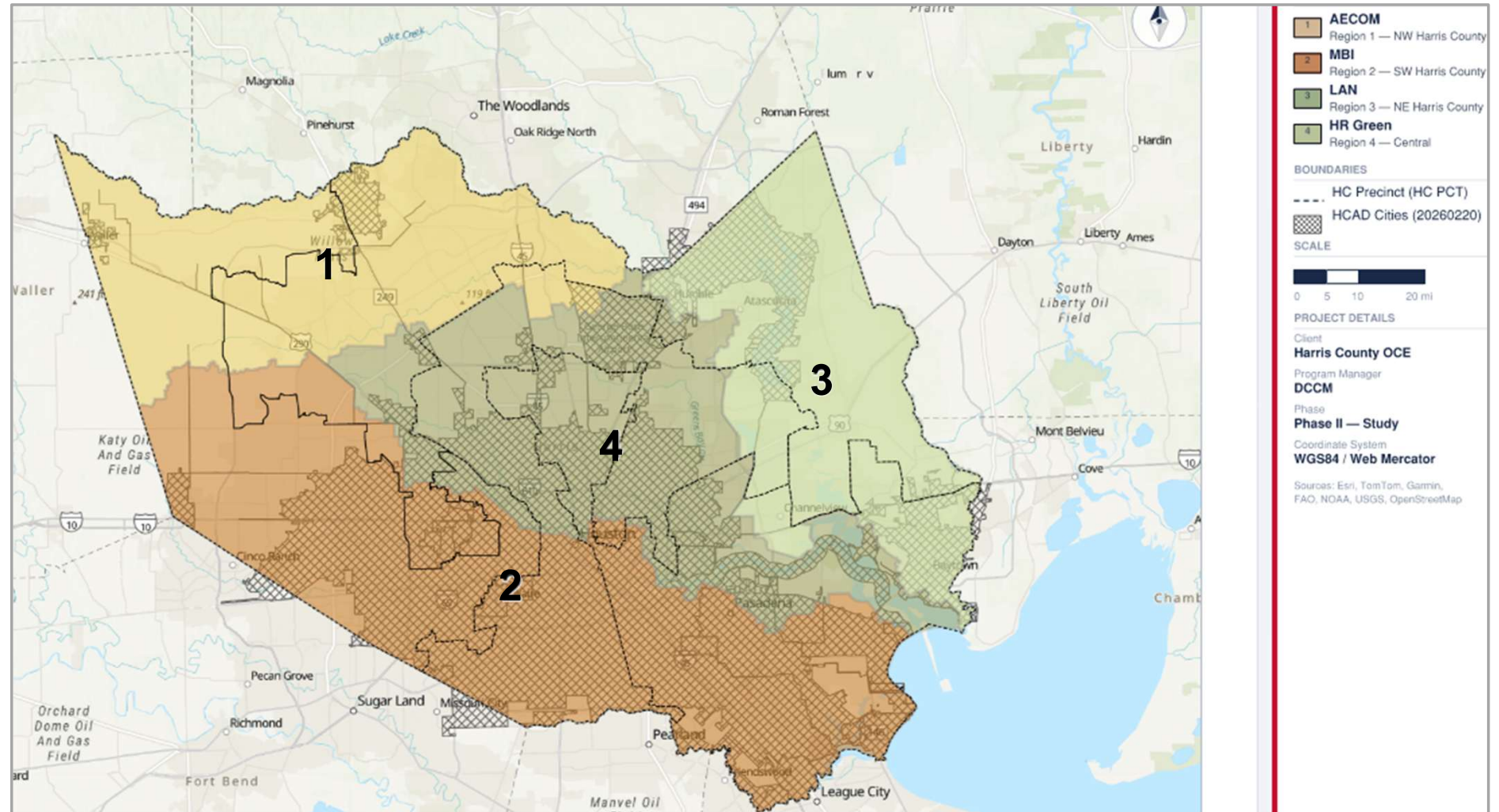
Region 1 AECOM Spring Creek, Cypress Creek, Little Cypress and Willow Creek

Region 2	MBI	Addicks Res., Barker Res., Brays Bayou, Clear Creek, Sims Bayou, Armand Bayou, Vince Bayou
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Region 3	LAN	San Jacinto River, Luce Bayou, Jackson Bayou, Cedar Creek, Goose Creek, and Spring Gully
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Region 4 **HR Green** Greens Bayou, White Oak Bayou, Ship Channel, Hunting Bayou, Halls Bayou

“Watershed” is an area of land where all the rain drains downhill into the same water body, such as a creek, bayou, man-made channel, pond, or lake.



Project Process

Data Collection

Desktop Analysis to identify areas with elevated flood risk

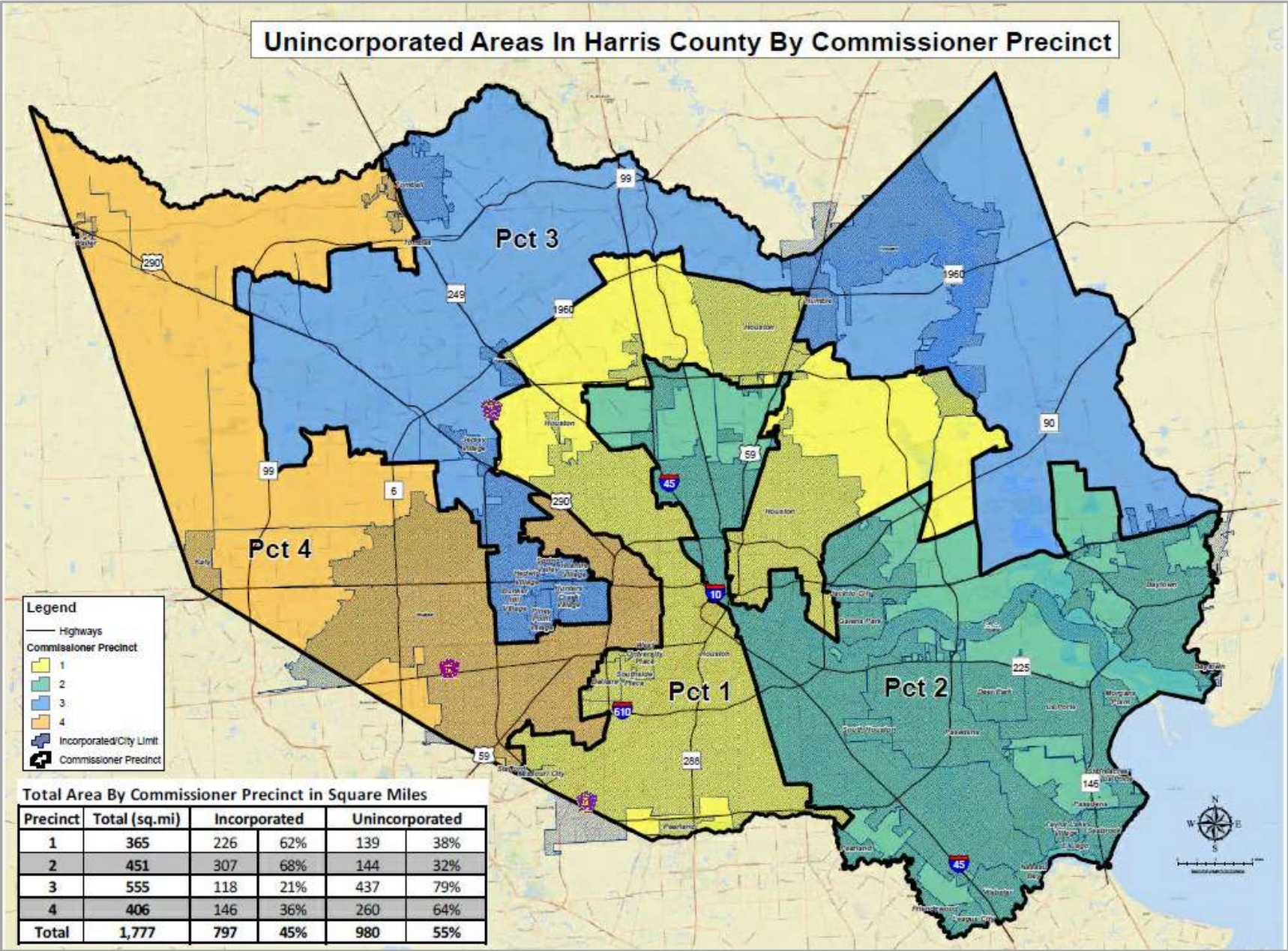
Initial Assessment to identify flood causes and create list of projects

Prioritization to identify highest priority projects

Enhanced Modeling of the highest priority projects

Drainage Master Plan to summarize findings

Project is currently in the **Prioritization** phase



Neighborhood Project Focus

Project Data Sheets Including:

Location

Watershed

Neighborhood / Subdivision

Project Area

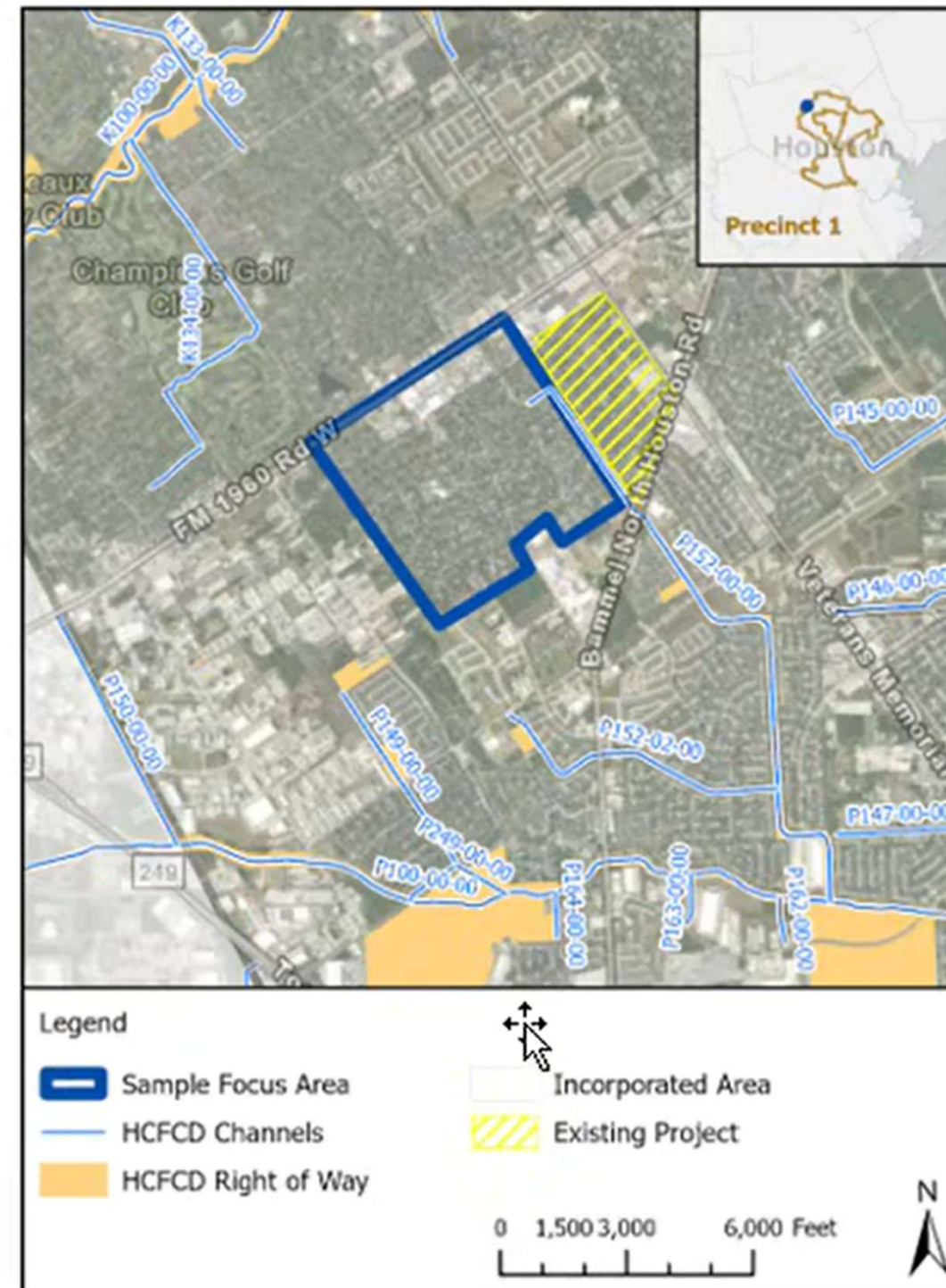
Existing Conditions

Proposed Improvements

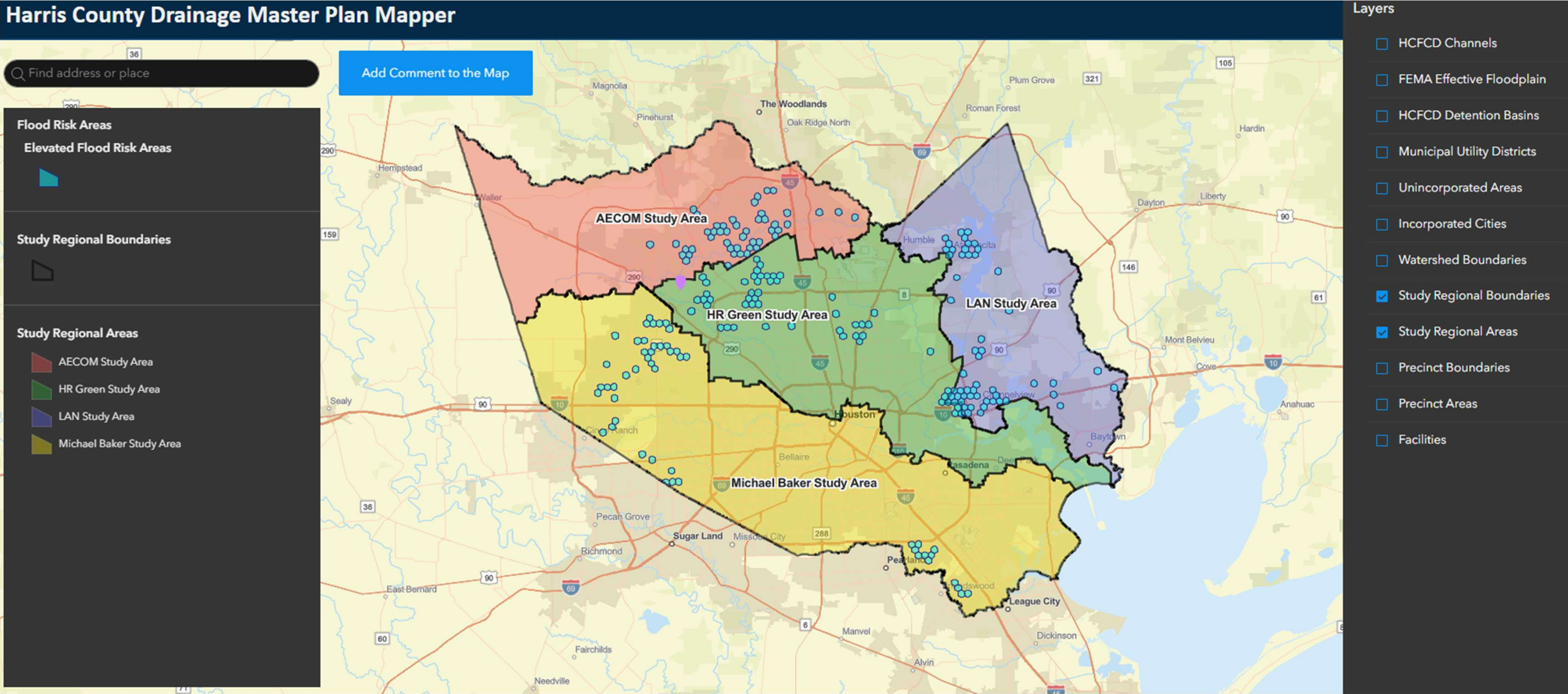
Concept Cost

Flood Source

Target Improvement Level



Input from Attendees



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Next Steps

- Obtain Public and Stakeholder Comments
- Enhanced Modeling Completed in January 2027
- Master Plan Report Issued in March 2027



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