JEFF WAGNER
MAYOR

City of Pasadena, Texas

Drainage Projects Current and Ongoing

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Capital Improvement Projects
Drainage and Mitigation

- Total Funding FY 2022-2026 ($307.1 Million)
  - Funding Sources
    - General Fund
    - HMGP Grants (FEMA, TDEM) (154 Million)
      - Phase I Completed – Design and Engineering
      - Phase II Under Review – Construction
    - CDBG Grants (Harvey Mit, TxGLO) (47 Million)
      - Awarded
      - Focused on Low to Moderate Income Areas
    - Others, Harris County, TxDOT and State Grants
    - Ongoing Streets, Drainage and Detention Pond Projects

City of Pasadena, Texas

Capital Improvement Projects
Important of Drainage and Funding Sources

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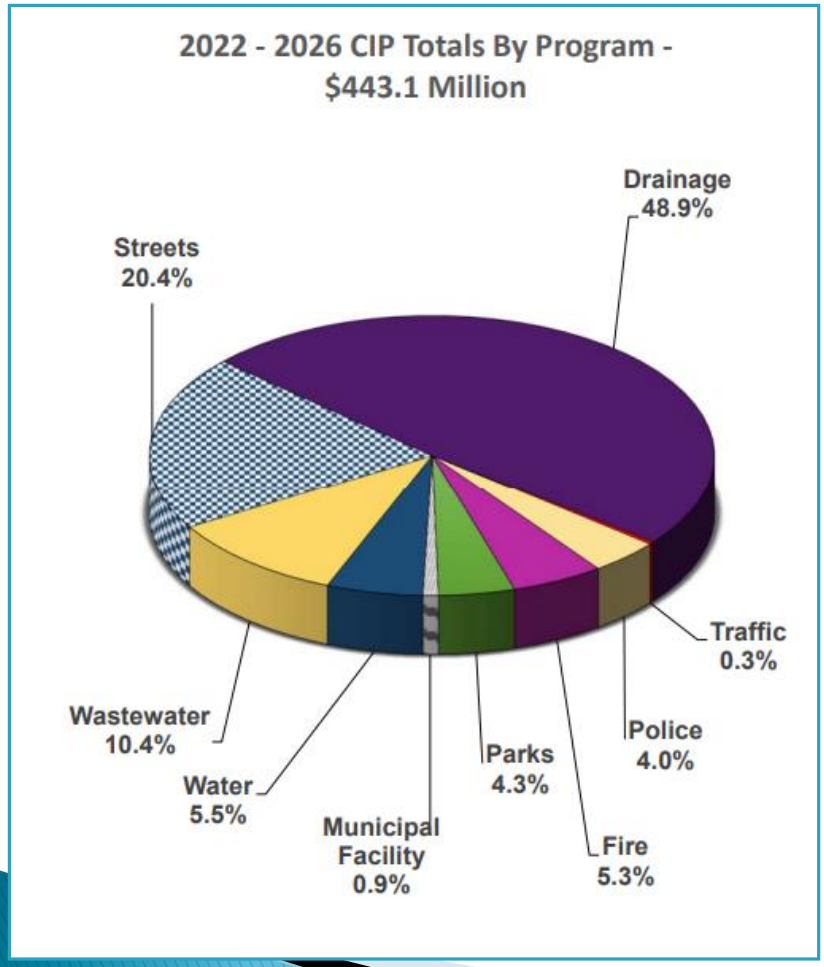

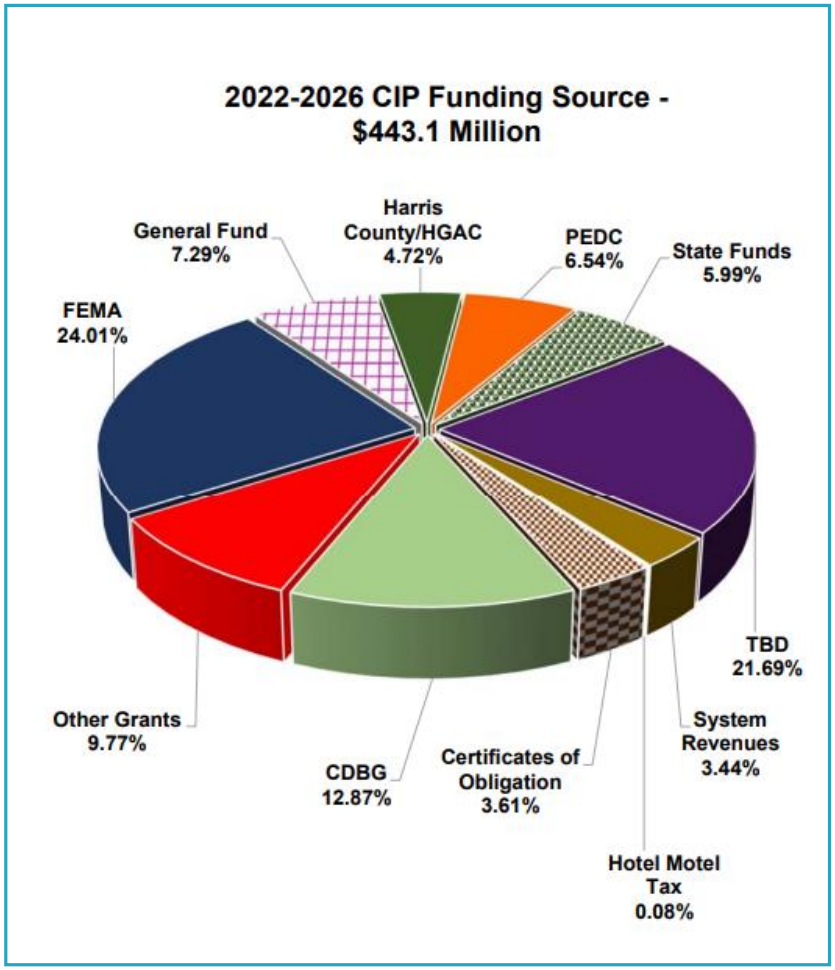

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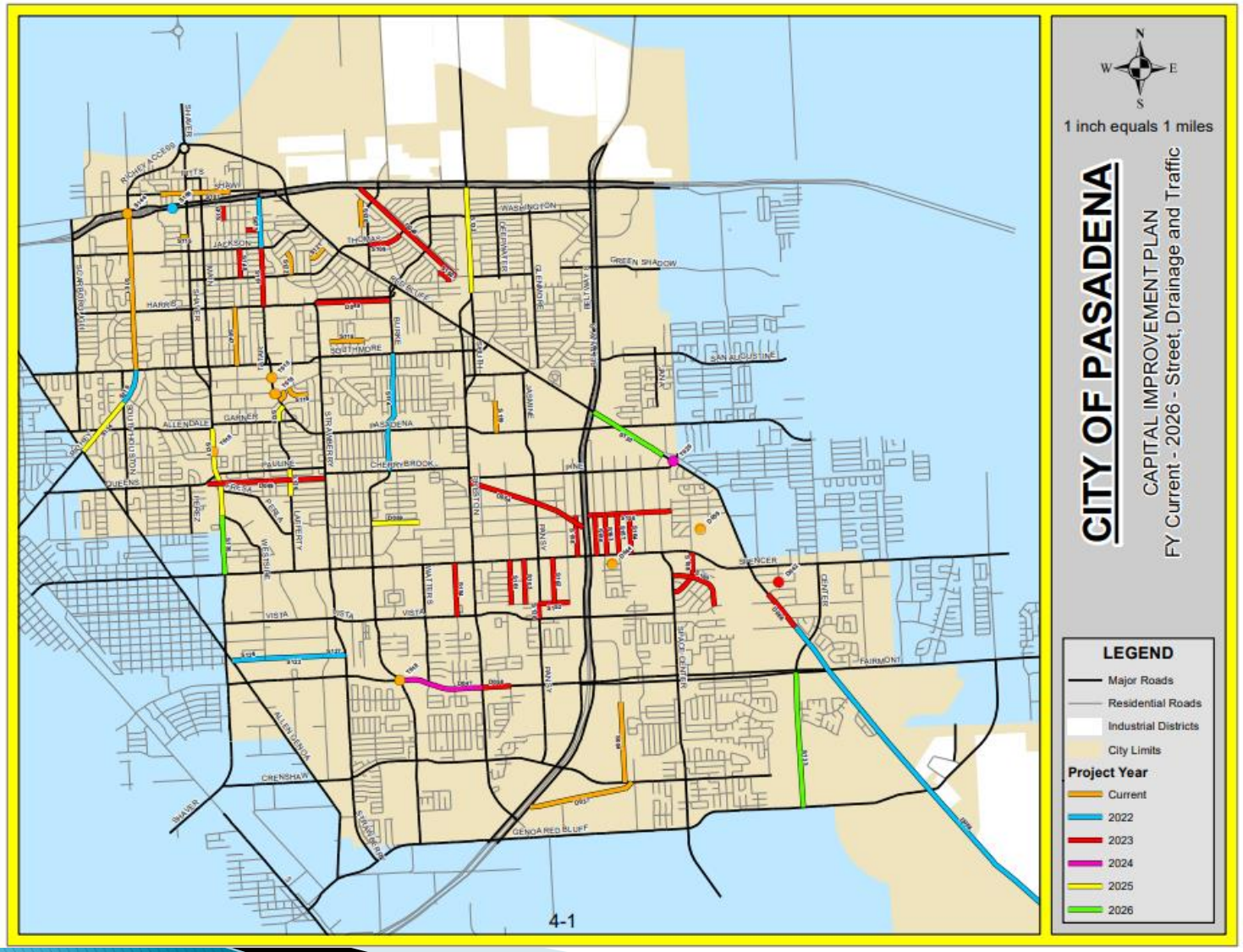
Capital Improvement Projects
Drainage and Mitigation



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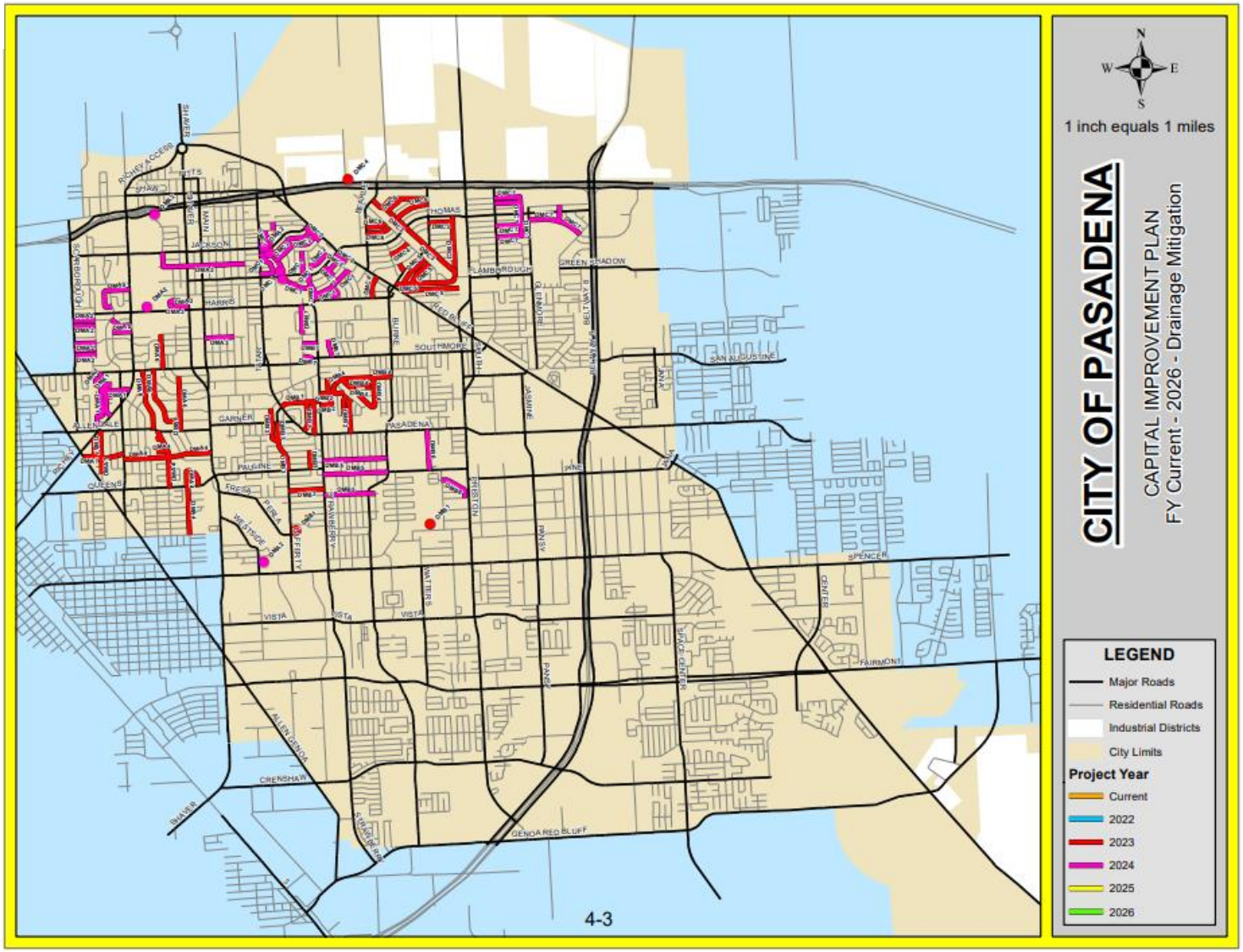
Capital Improvement Projects
Drainage and Mitigation



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Capital Improvement Projects
Drainage and Mitigation

- Comprehensive Modifications to Floodplain Permitting – Harris County Regional Efforts
  - City has started requiring new construction to build to the 500 yr or 0.2% base flood elevations (BFE).
  - Stricter site grading requirements to create positive drainage
  - Freeboard Requirements of 1 foot above any adjacent roadway surface or at least at or above the 500 yr BFE.
  - Stricter inspection of site grading for residential and commercial construction projects.

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Capital Improvement Projects

North Pasadena Drainage Mitigation Project ($47 M) Harvey-Mit

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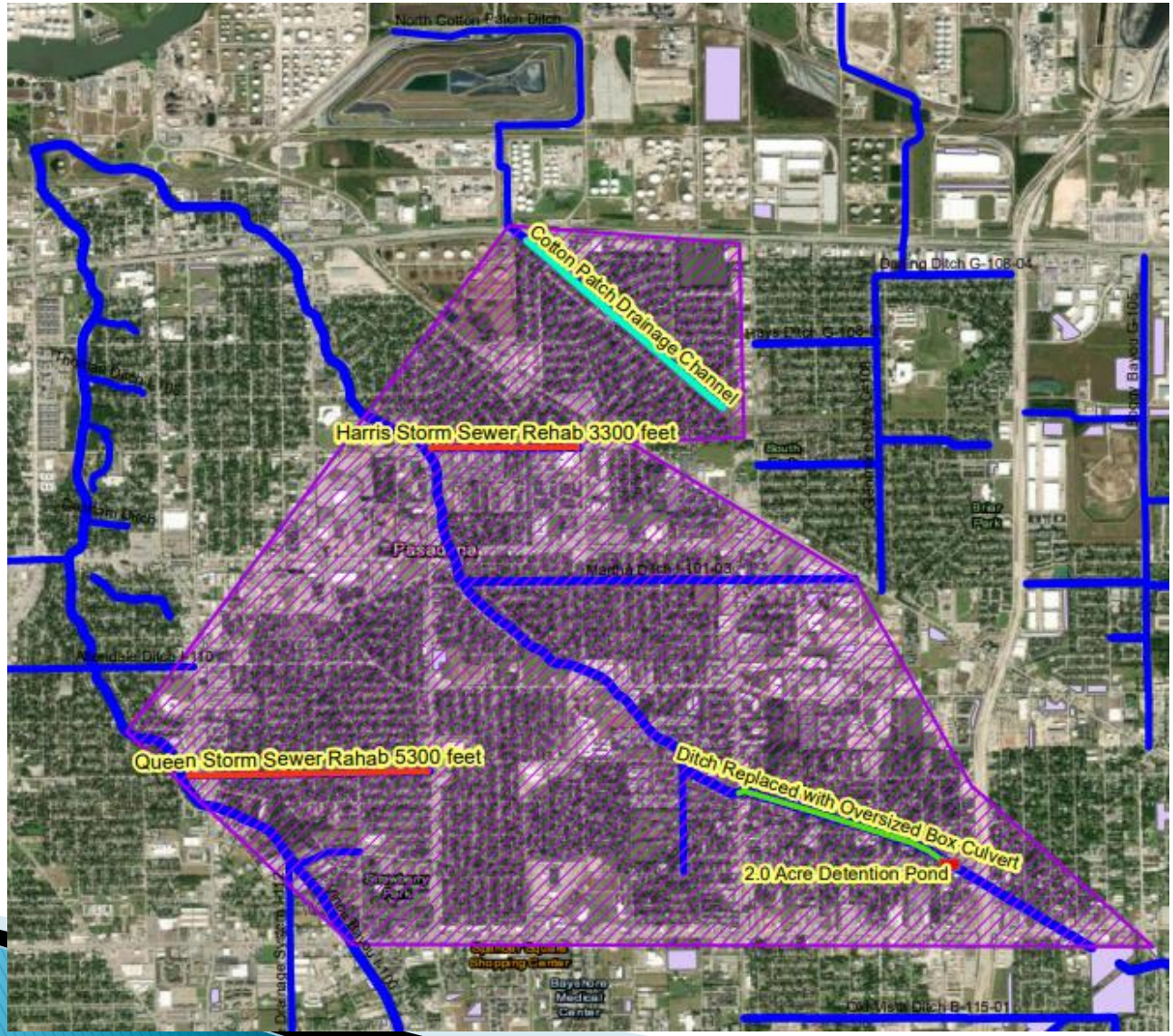

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Capital Improvement Projects
Drainage and Mitigation

- Community Rating System Re-evaluation
  - The City of Pasadena is a FEMA CRS Community – This status is only bestowed upon communities who go above and beyond to regulate and reduce flood risks.
  - The City has received preliminary results of our recent re-certification verification cycle results which indicate that the City will improve 1 whole classification point effective April 1, 2023.

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Capital Improvement Projects
Drainage and Mitigation

- The GLO 2016 Flood Grant provides for detention expansion and creates Partnership Park Annex as well as Bliss Meadows Detention/Recreation areas to serve the local citizens with flood protection and recreational amenities. ($2.5M)
- The Armand Bayou Upper Reaches Drainage Project will create detention in the Red Bluff Road right-of-way esplanade north and south of Fairmont Parkway. This will reduce flooding potential for neighborhoods north of Fairmont and provide additional capacity along Armand Bayou. ($8.2M)

City of Pasadena, Texas

Capital Improvement Projects
Bliss Meadows Detention Ponds

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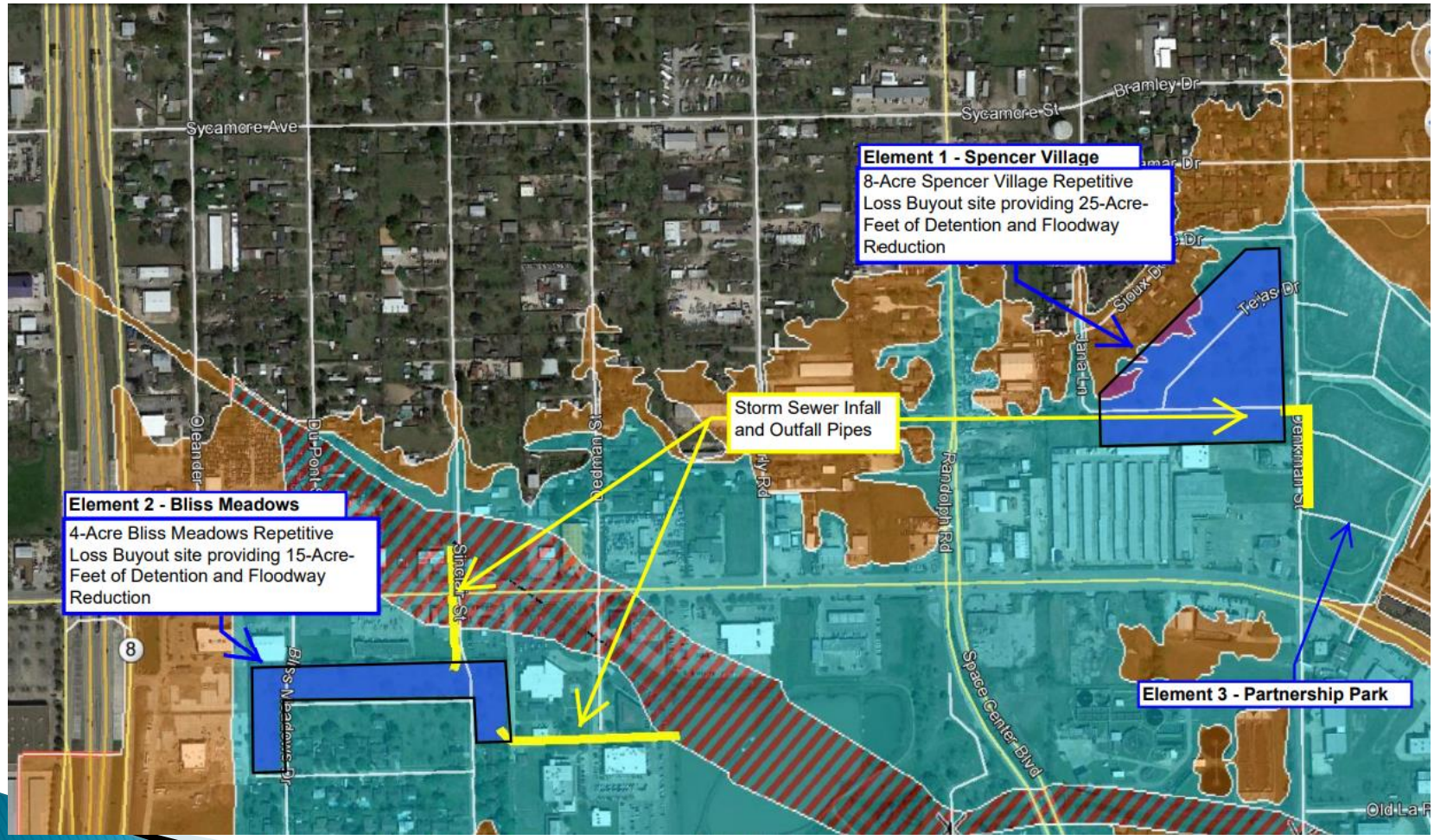

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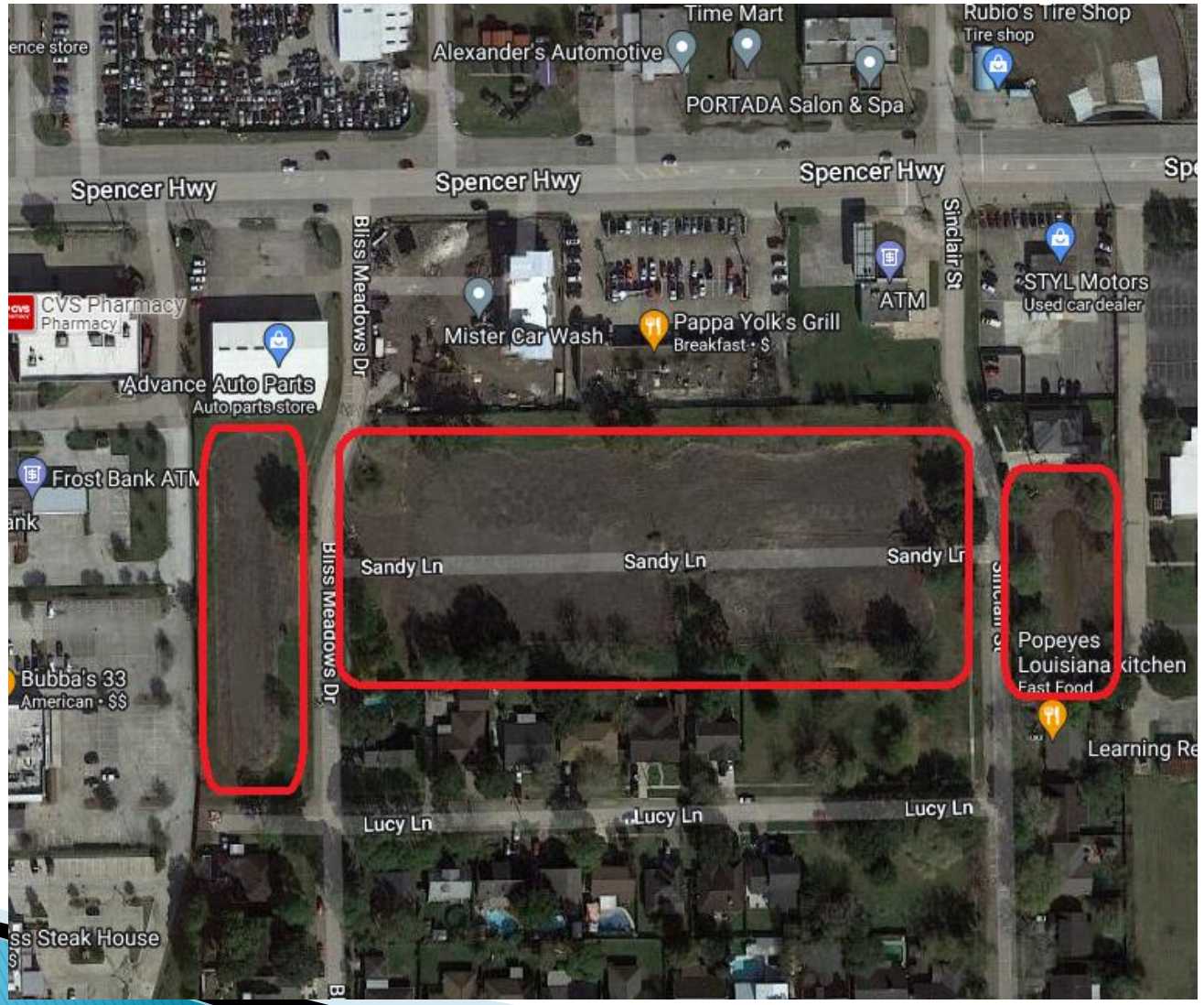
Capital Improvement Projects
Bliss Meadows Detention Ponds



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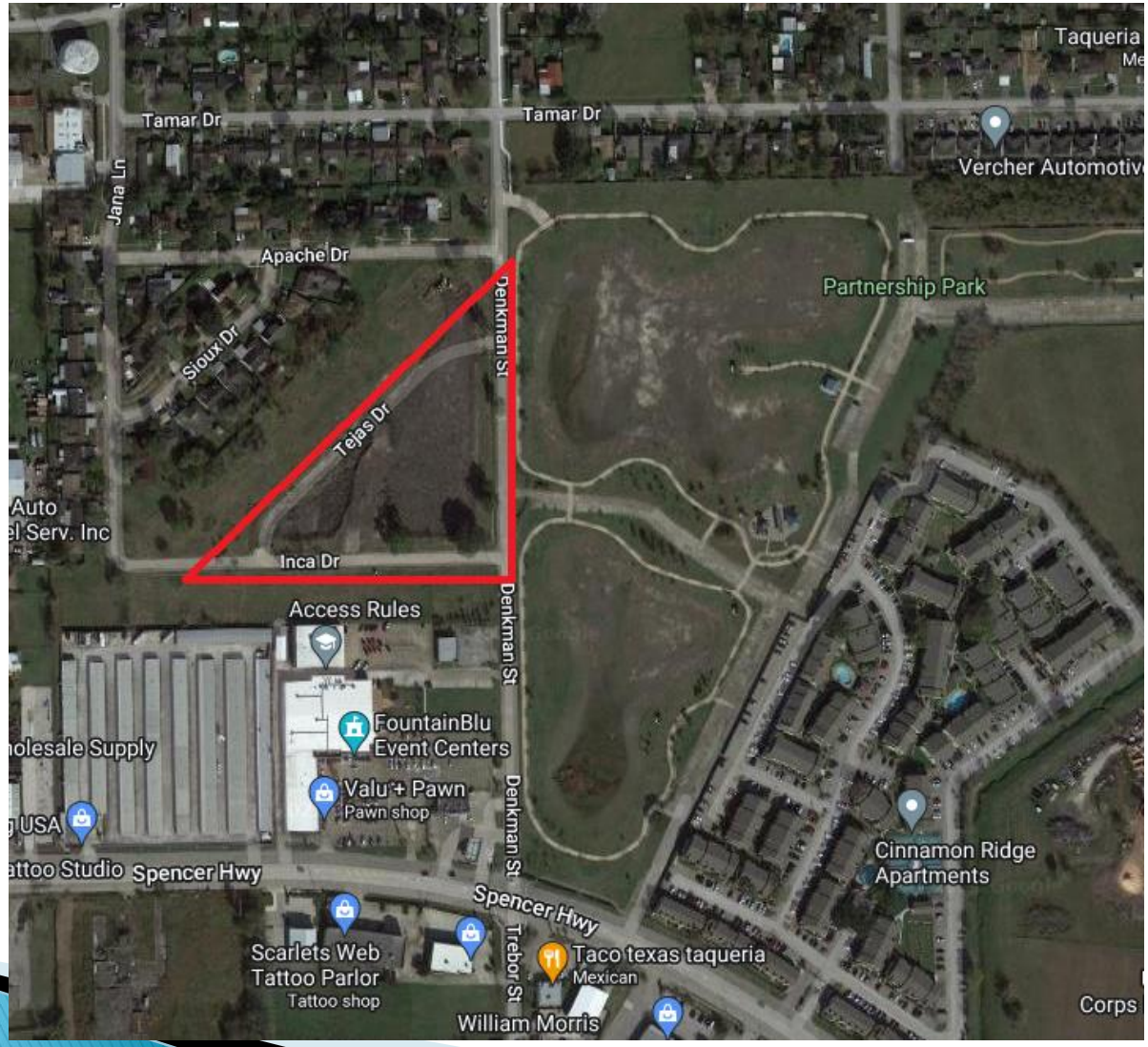
Capital Improvement Projects
Partnership Park Annex



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Capital Improvement Projects
Armand Bayou Upper Reach Drainage Mitigation

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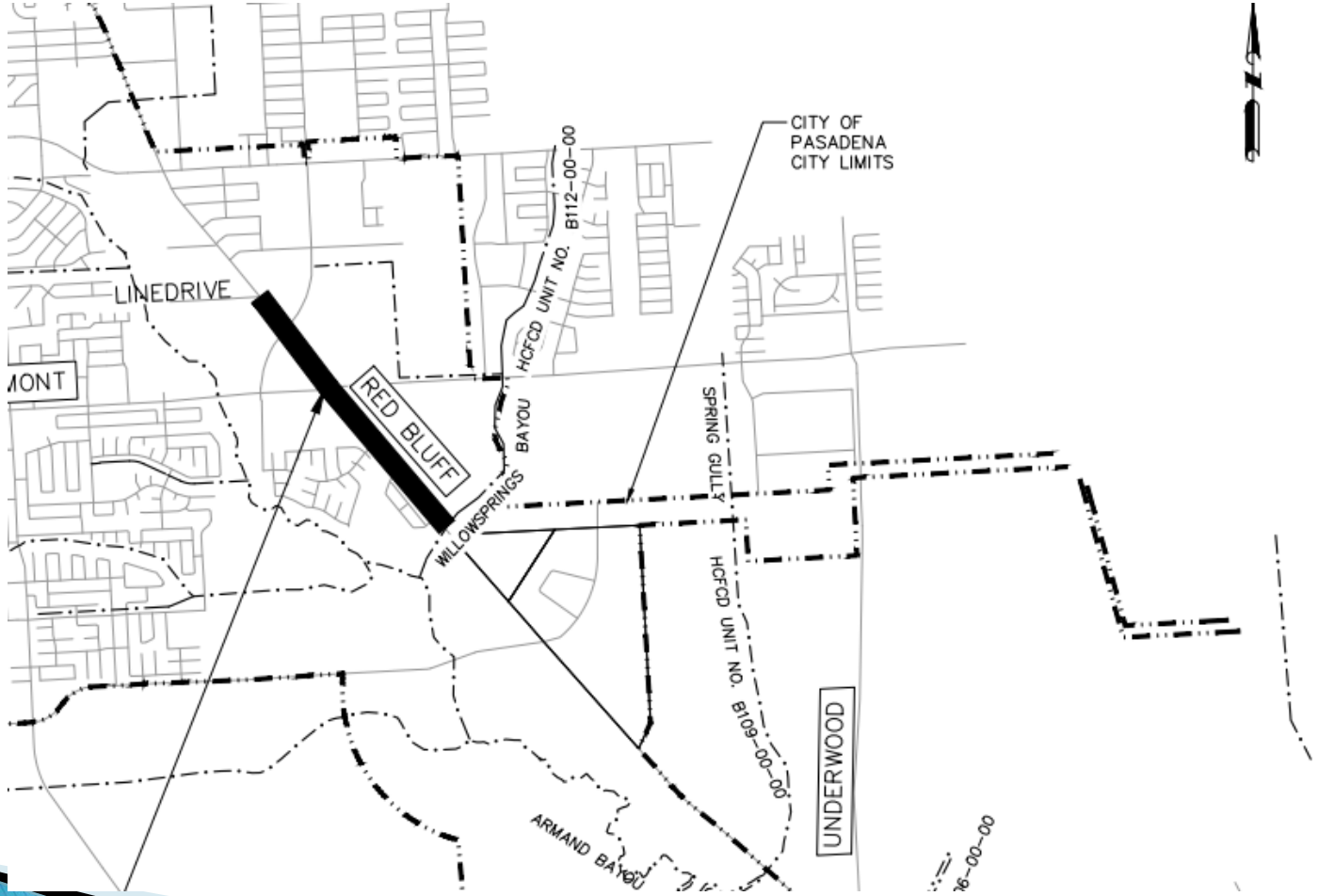

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Capital Improvement Projects
Armand Bayou Upper Reach Drainage Mitigation

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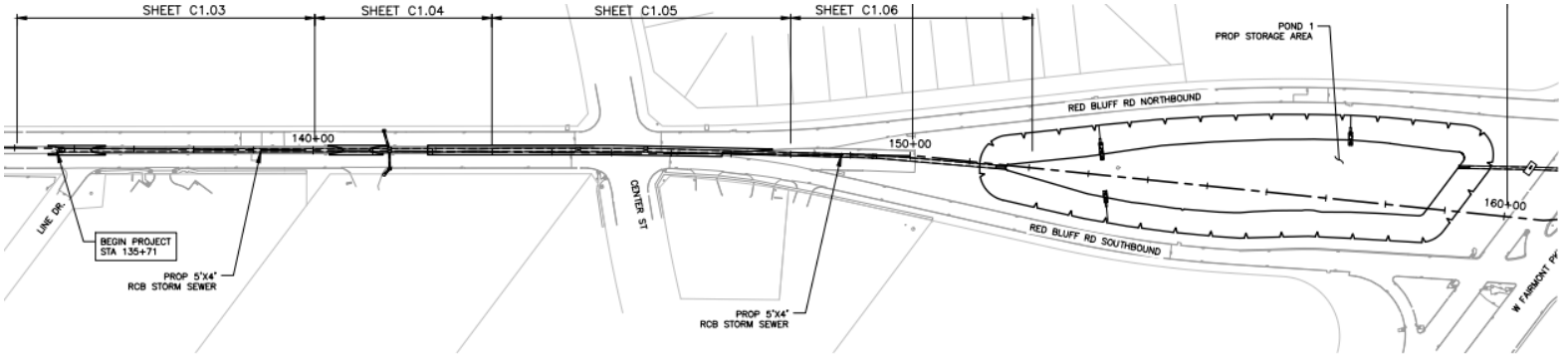

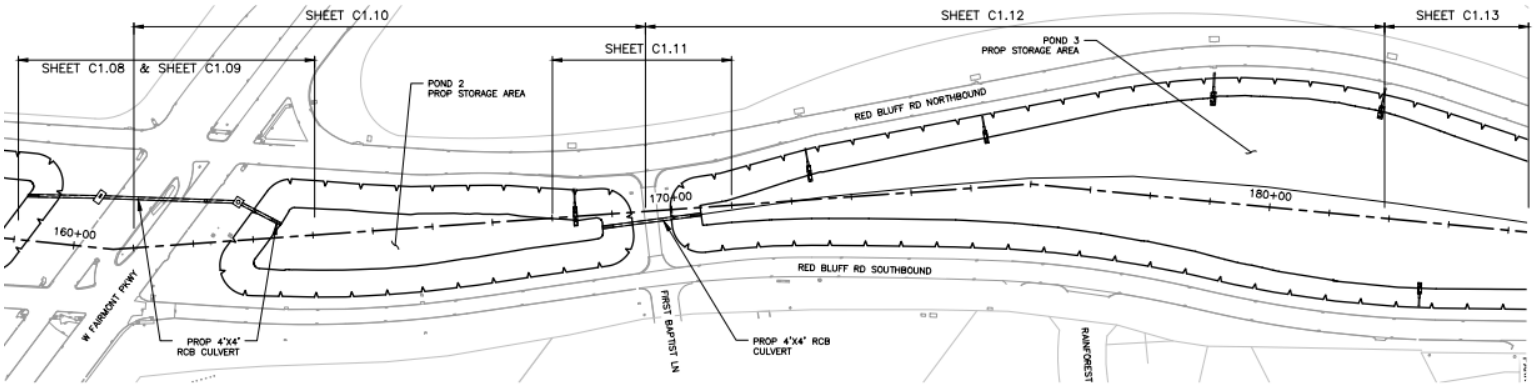

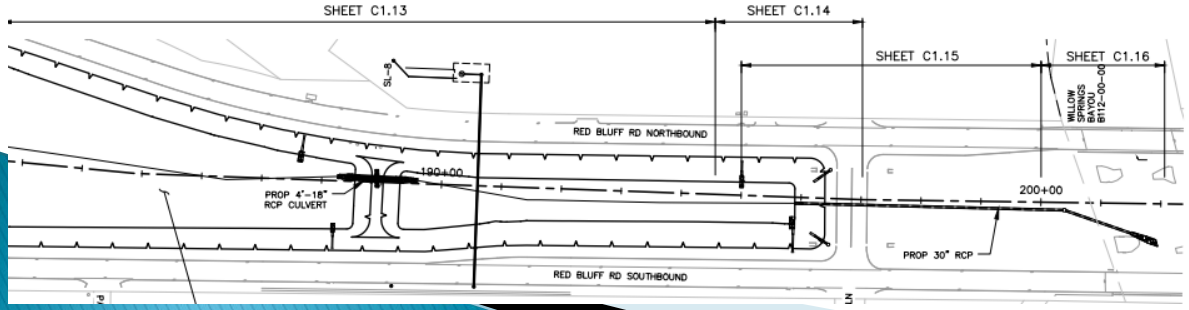

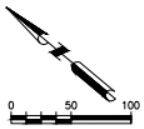

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Capital Improvement Projects

Armand Bayou Upper Reach Drainage Mitigation

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- Questions?