

Jersey Meadows Stormwater Detention Basin

Presented by

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OUR MISSION

Provide flood damage reduction projects that work, with appropriate regard for community and natural values.



DEVISE



IMPLEMENT



MAINTAIN

Flood Damage Reduction Tools



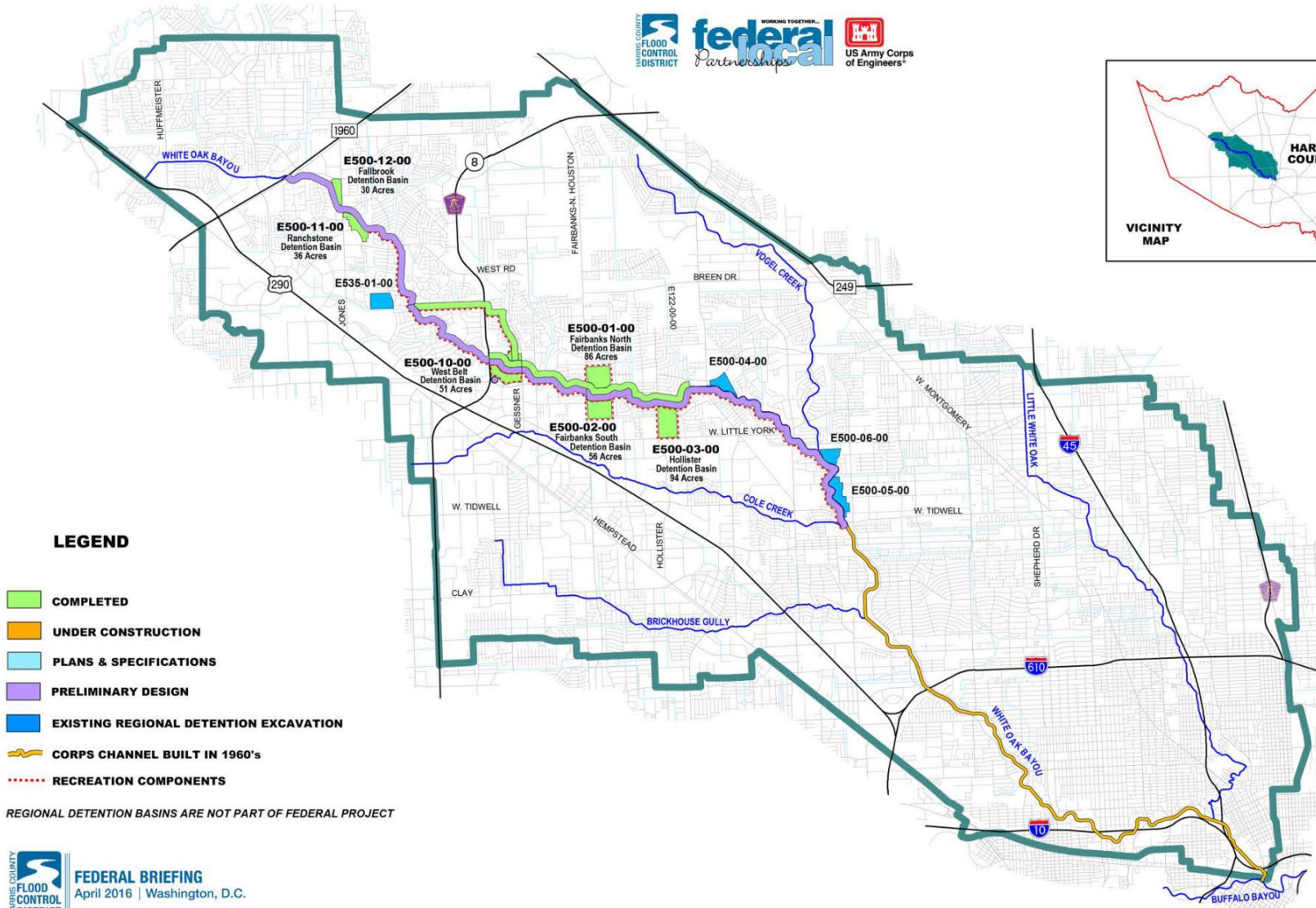
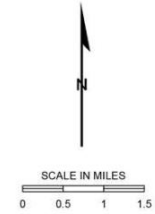
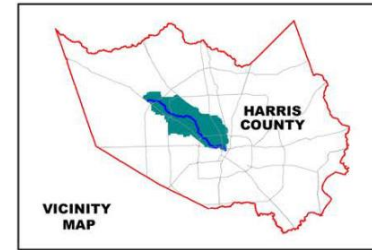
Widen and deepen bayous and creeks



Relocate residents out of the floodplain

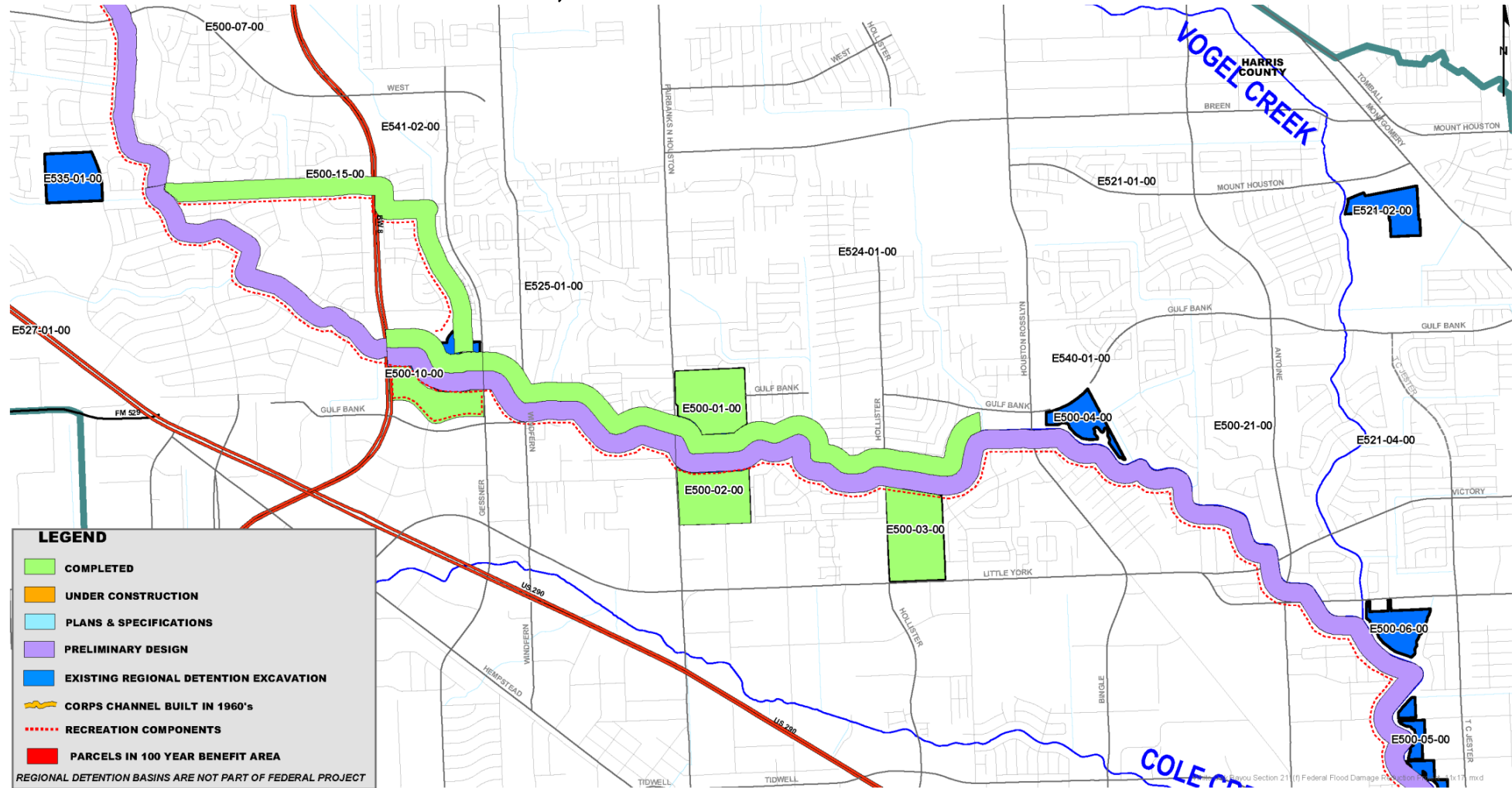


Excavate large stormwater detention basins

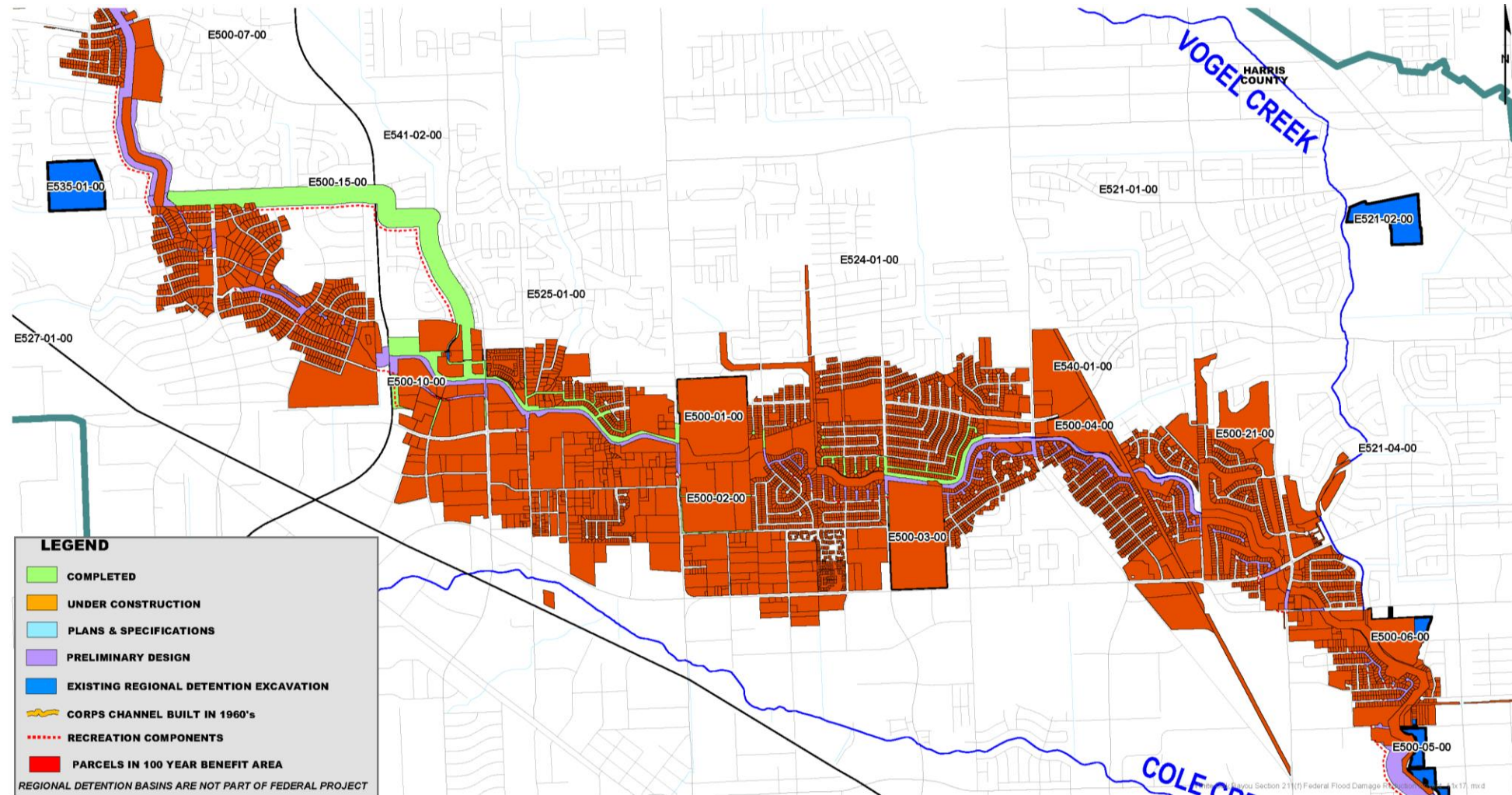


Jersey Meadows Stormwater Detention Basin (E535-01-00)

- Built on approx. 43-ac, Cost \$7 million
- 399 acre-feet / 643,719 Cubic Yards / 1.3 Million Gallons



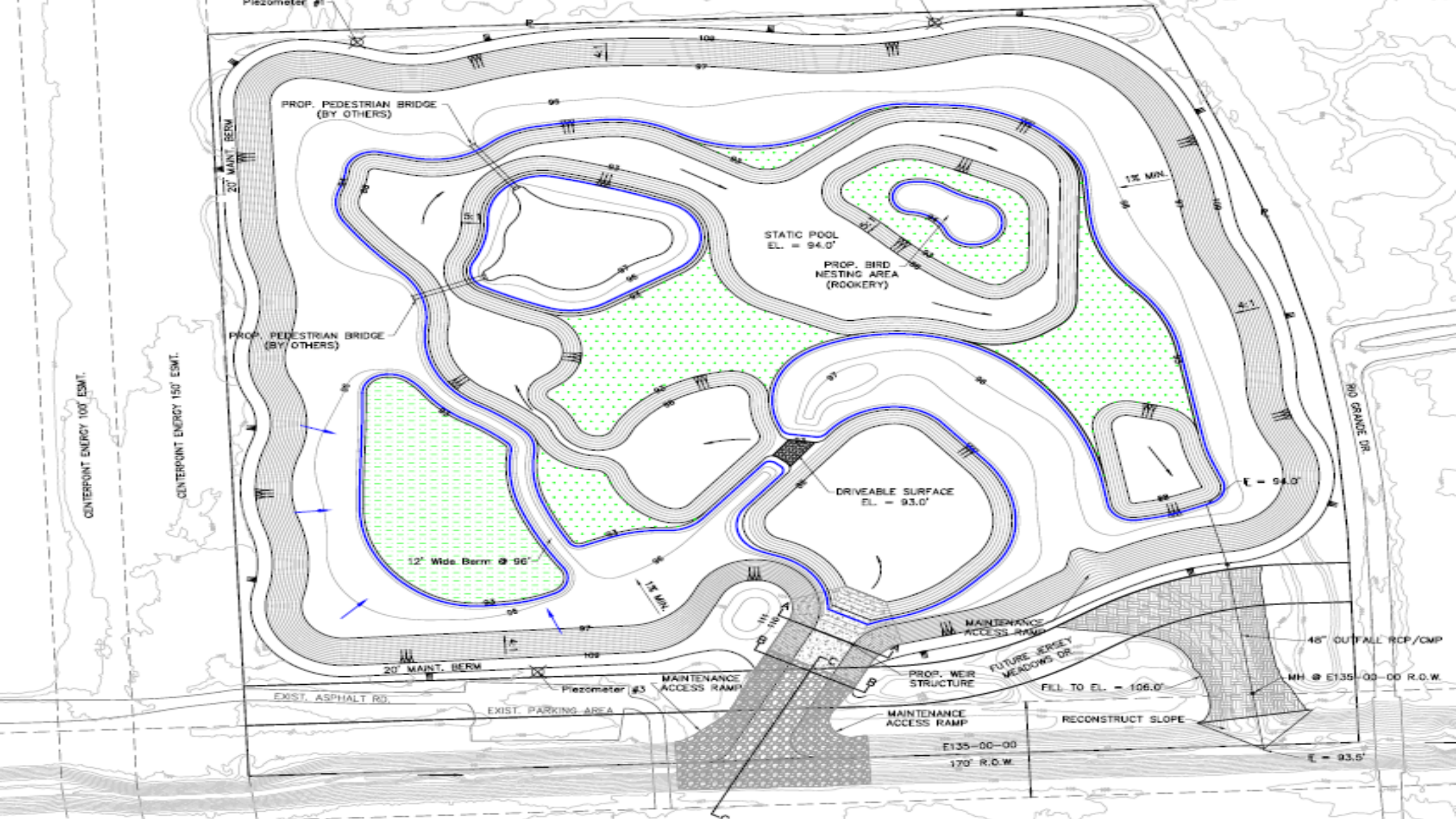
- 4,000 structures will receive benefit for 100YR storm
- Reductions up to 0.35ft near BW 8 & Ecuador



Environmental Enhancements

- Wetlands mitigation for non-jurisdictional impacts
- Stormwater quality treatment wetlands
- Tree planting
- Trail construction included through interlocal agreement with Jersey Village





Wetland Planting Plan



Legend

Thalia	Pickerelweed
Bulltongue	Iris
Smartweed	Maidencane
Cutgrass	Bulrush
Spikerush	Juncus
Water Lily	



Tree Planting Plan



LEGEND

- Reforestation Area
- Specimen Tree
- ▨ PROP. SOD STRIP
- ▩ PROP. RIPRAP
- ▧ PROP. SLOPE PAVING
- ▤ WATER QUALITY WETLANDS
- ▥ MITIGATION WETLANDS

NOTE:
STATIC WSEL = 94.5'



3rd Party Award



HOUSTON AREA URBAN FORESTRY COUNCIL

- Awarded 2014 Project of the Year
- Sustainability initiatives include:
 - Tree Planting to reduce long-term maintenance
 - Stormwater Quality Treatment Wetlands to improve water quality
 - Mitigation Wetlands to offset impacts
 - Incorporating park trail features