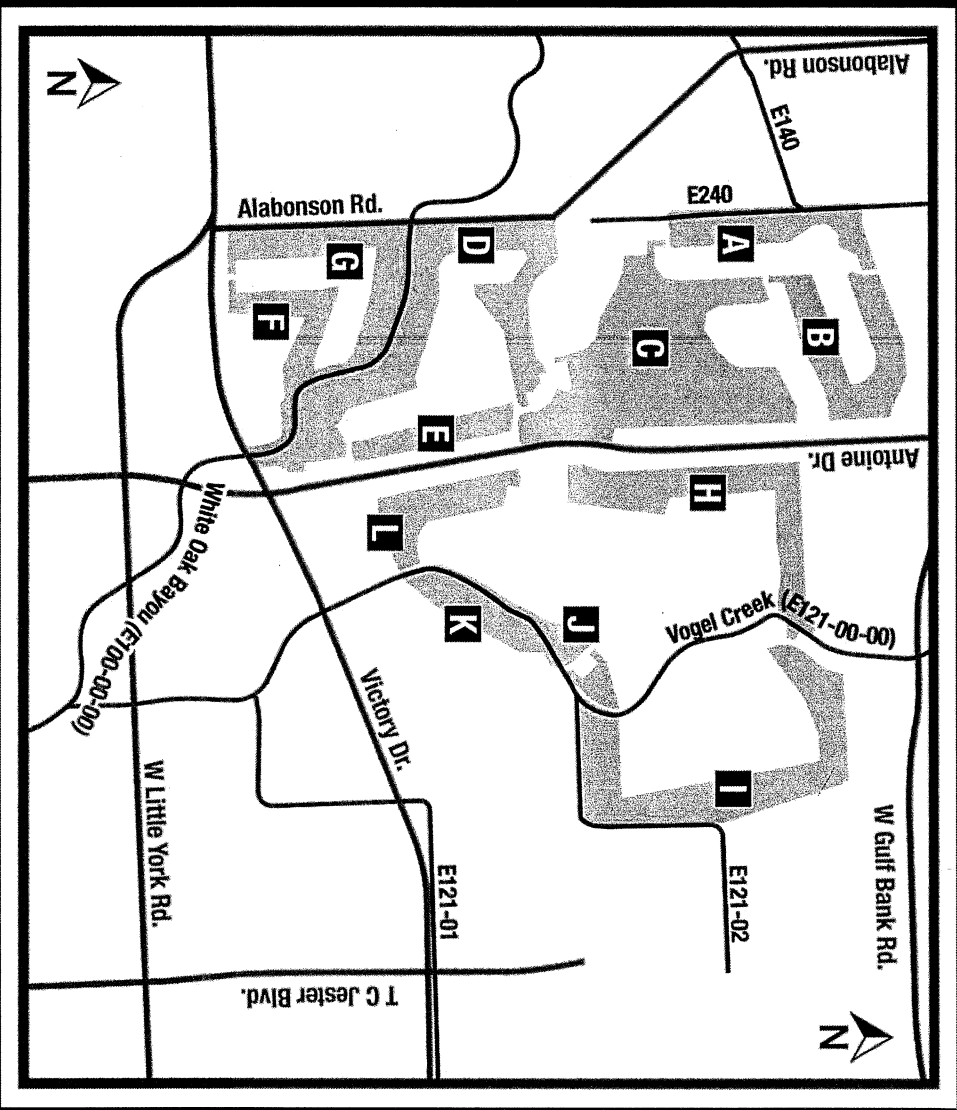


Inwood Forest Stormwater Detention Project Briefing

August 15, 2018



Inwood Forest Detention Basin Project Area



Project Facts

- Goal of 1,100 acre feet of stormwater storage
- Allows COH to proceed with area street drainage projects
- Allows HCFCD to proceed with channel conveyance improvements
- Estimated cost: \$46 million

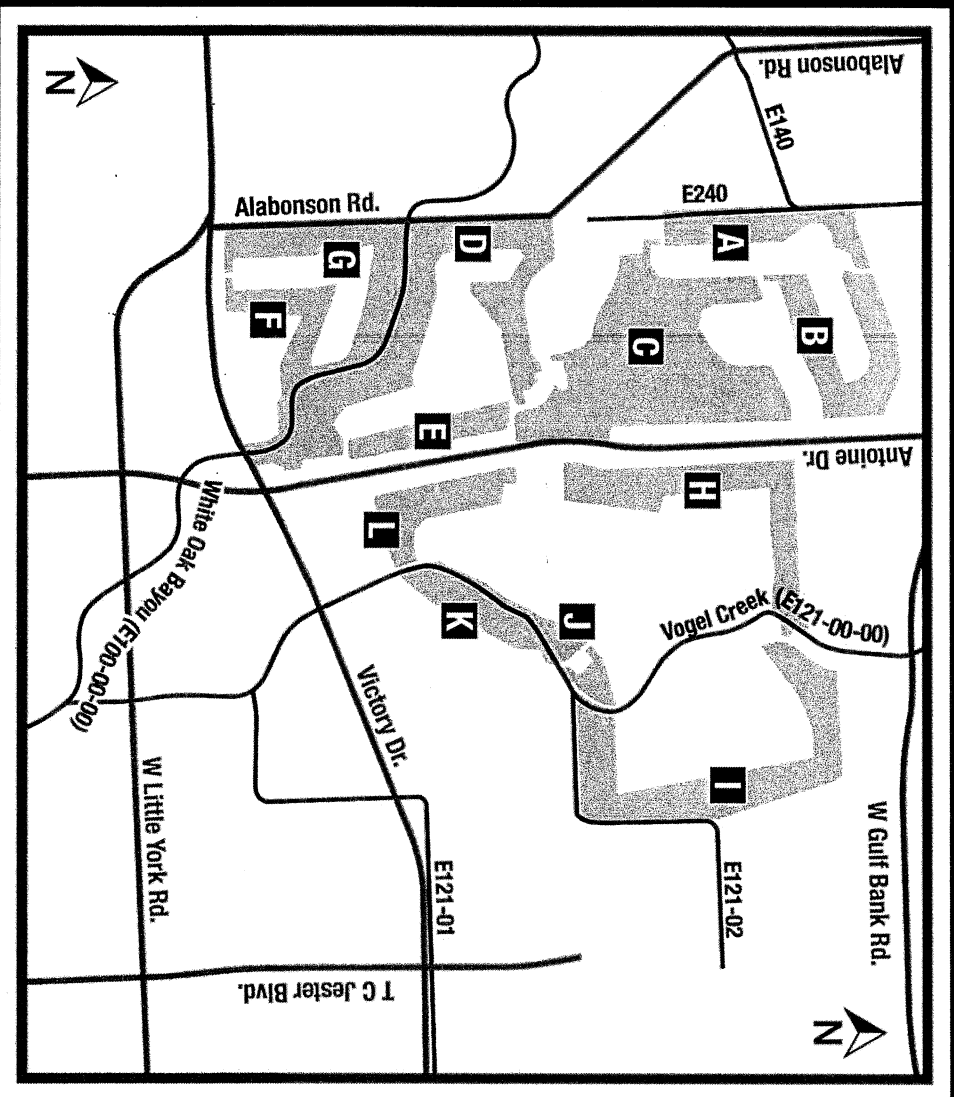


Project Facts (continued)

- First Tee and other recreational opportunities being explored by the City of Houston
- This project has not gone to bid at this time



Inwood Forest Detention Basin Project Area



Project Area Characteristics

- Long, narrow strips of land
- Surrounded by homes
- No room to spread out and build wide basins



Jersey Meadows Project Area – 2002

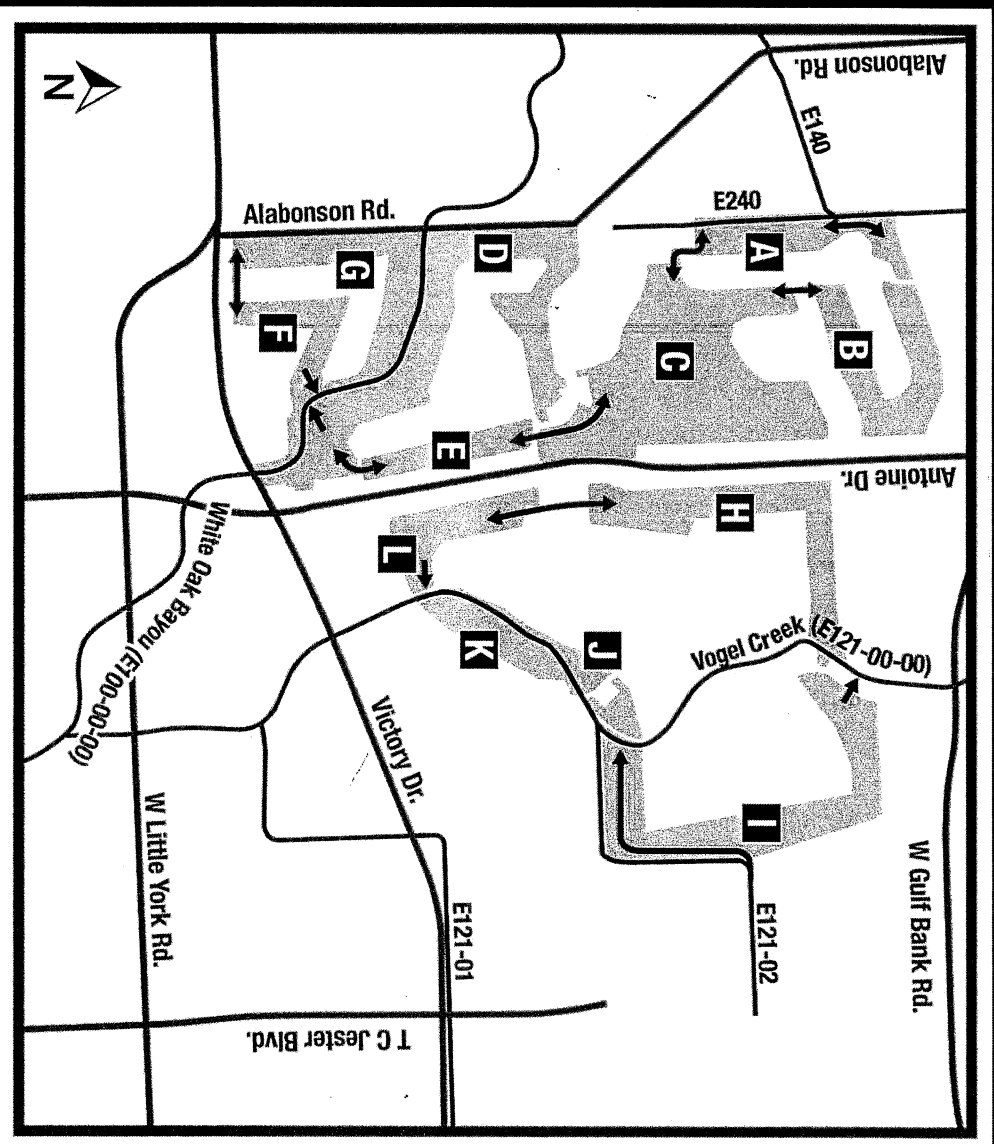
Prior to Basin Construction



Jersey Meadows Project Area – 2016 Following Basin Construction



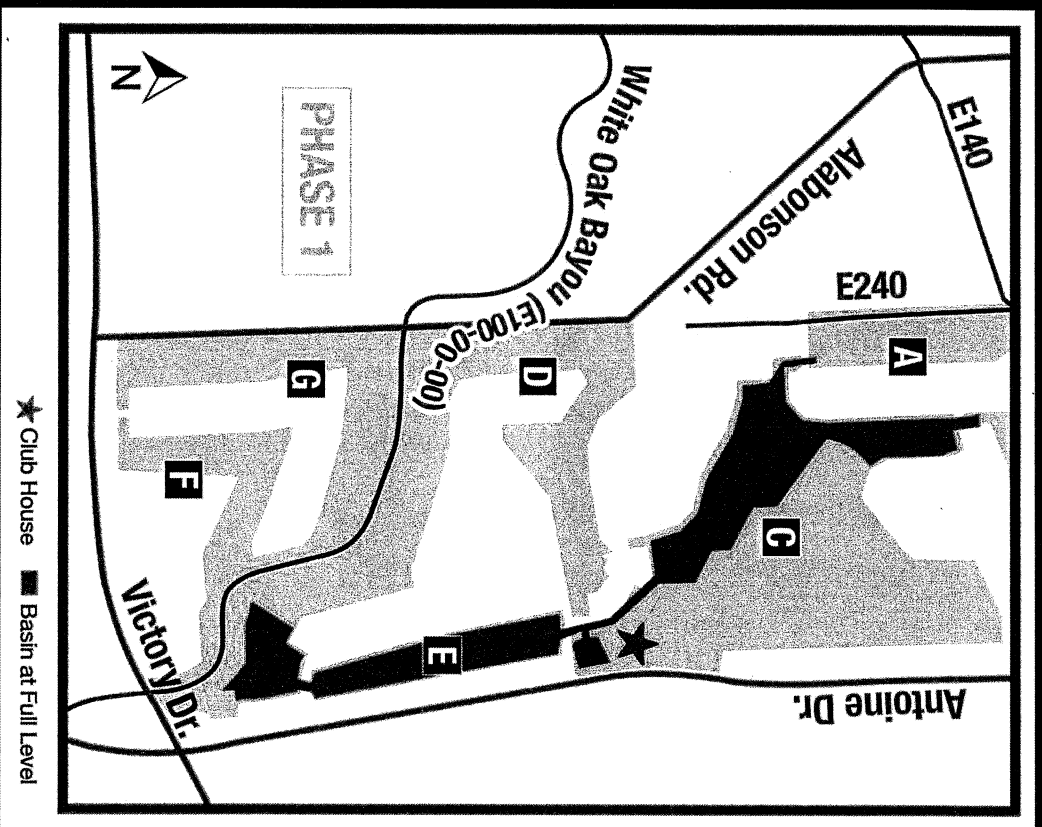
Inwood Forest Detention Basin



The red arrows show water flow between basins and White Oak Bayou and Vogel Creek



Phase 1 Project Area



Phase 1

Excavation 10-26 feet deep within top-of-bank

- Trees located within the excavation area will not survive the basin construction
- Cart paths will be removed

Between private property and top-of-bank

- Maintenance access
- Swale
- Tree preservation where possible



Phase 1

Special Steps

- Basin side slopes steeper than standard
- Concrete in select areas
- Moved the swale, maintenance access road and top of bank to accommodate trees wherever possible



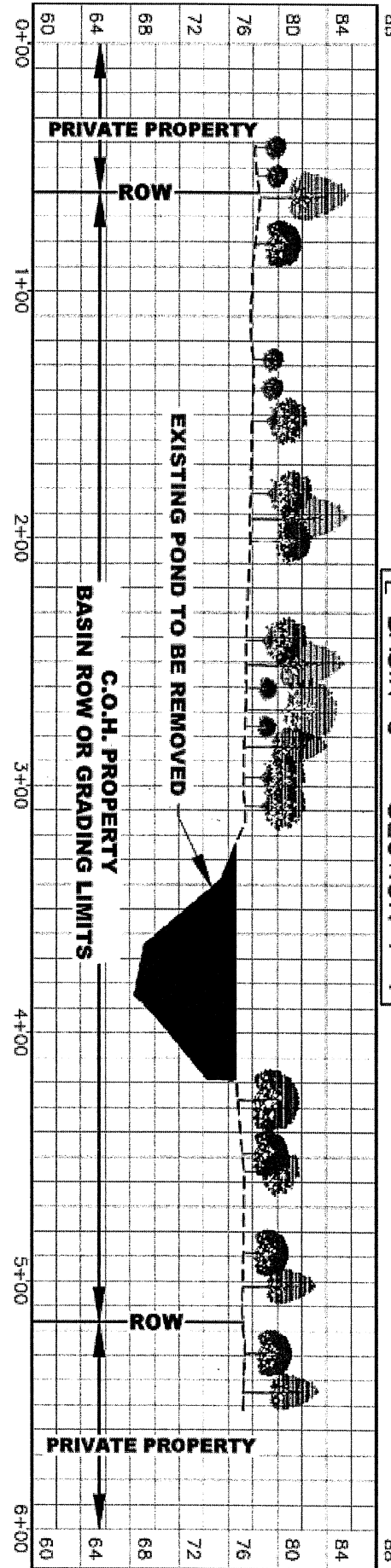
Phase 1

Special Steps

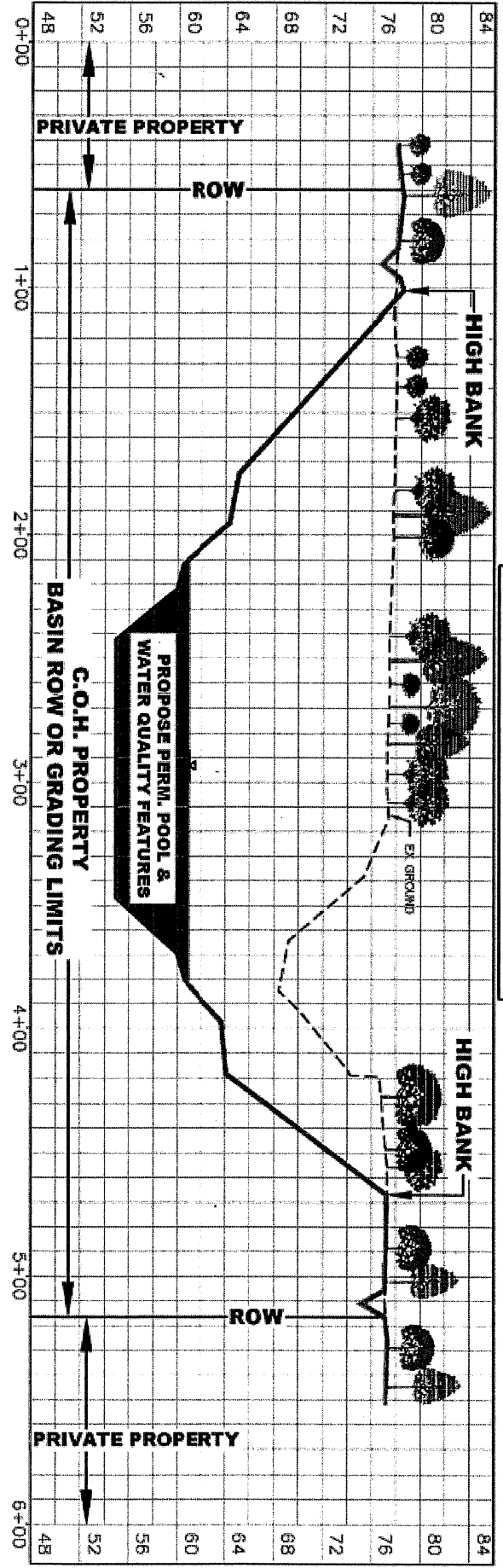
- Every tree was inventoried and catalogued by team of arborists
- Project team held working session to discuss every tree along top of bank
- Arborists and design professionals walked the entire property to finalize a plan



SECTION F-F



SECTION F-F



Please note trees in this image are not representative of actual size



Example of How Project May Look In Progress



Please visit www.hcfcfd.org/inwoodforestbasins

JUNE 1 - NOV 30



ASSET TECHNICAL MATERIALS
 RUBRICAKE HARVEY BOND PROGRAM

DOWNLOAD GEOGRAPHY PAGE
 PROJECTS & STUDIES OUR PROGRAMS

DESIGNAGE NETWORK
 INTERACTIVE MAP AND TOOLS

CONTACT US
 Select Language |

PROJECTS & STUDIES

MULTI-WATERSHED

- ADDICKS RESERVOIR
- ARMAND BAYOU
- BARKER RESERVOIR
- SEAVS BAYOU
- BUFFALO BAYOU
- CARPENTERS BAYOU
- CEDAR BAYOU
- CLEAR CREEK
- CYPRESS CREEK
- GREENS BAYOU
- HUNTING BAYOU

INWOOD FOREST STORMWATER DETENTION PROJECT

The Inwood Forest Golf Course, a 226-acre property near Antoine Drive and West Little York, was purchased by the City of Houston in 2011 for approximately \$9 million. A land use agreement stipulates that the property may only be used as parkland for recreational purposes and for stormwater detention purposes. The property is located in the White Oak Bayou and Vogel Creek watersheds.

At the City of Houston's request, the Harris County Flood Control District is developing a plan to design and build stormwater detention basins on the former golf course property to provide flood damage reduction benefits during heavy storms and to mitigate impacts of future public drainage projects as appropriate. The City of Houston is responsible for the planning, design and construction of any recreational features associated with the detention basins.

The proposed stormwater detention basin project encompasses property located both east of Antoine and west of Antoine, with a total of 12 interconnected stormwater detention basins.

The basins will vary in stormwater storage capacity, which is measured in acre-feet. The goal for the stormwater storage capacity for all of the basins combined is approximately 1,200 acre-feet, for shared use by the Harris County Flood Control District and the City of Houston. One acre-foot is equal to one acre times a one-foot depth, or 43,560 cubic feet (325,950 gallons).

White Oak Conference Center, formerly the golf course clubhouse, includes a community center and is managed by the Harris County Flood Control District. The community center will remain on the site.

Take Our Survey about the Inwood Forest Stormwater Detention Basin Project.

