

Aldine-Westfield Stormwater Detention Basin (Phase I)

February 2019

Project Objective

The overall objective for this project is to provide 1,250 acre-feet of stormwater detention storage by excavating the Aldine-Westfield Stormwater Detention Basin. Phase I will provide approximately 660 acre-feet of volume for flood reduction purposes.

Location

The site is located in north central Harris County along Greens Bayou (HCFCD Unit P100-00-00), east of Aldine-Westfield Road, north of Beltway 8, and is very close to George Bush Intercontinental Airport (IAH).



■ Project Area

Project Description

The Aldine-Westfield Stormwater Detention Basin – Phase I project consists of excavation and grading of the Aldine-Westfield stormwater detention basin. The major work activity is excavation and off-site disposal of 628,187 cubic yards of material. Construction activities will include fencing to protect one existing jurisdictional wetland, clearing and grubbing, installation of the outfall pipes, and construction of the weir structure, riprap, flap gates, pilot channels and access path according to plans.

Project Schedule

The “Time of Completion” of this construction contract will be 370 working days (defined as consecutive calendar days).

Project was advertised on January 25, 2019, and construction is expected to start by mid-April 2019.

Construction Cost

The Engineer’s estimate of construction cost for this project is \$8,400,000.00.



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| ① TOP OF BANK | ⑥ EXISTING UPLAND FOREST | ⑪ PARCEL BOUNDARY |
| ② 50' WIDE MAINTENANCE BERM | ⑦ SIDE SLOPE REFORESTATION | ⑫ PILOT CHANNEL |
| ③ TOE OF SLOPE | ⑧ BOTTOMLAND REFORESTATION | |
| ④ WEIR | ⑨ OUTFALL PIPE | |
| ⑤ EXISTING SUNOCO PIPELINE | ⑩ INTERCONNECTING PIPE | |