

Barker Canal

Houston, Texas

CHANNEL PROTECTION

PROJECT TEAM

OWNER:

US Army Corps of Engineers

ENGINEER:

US Army Corps of Engineers

CONTRACTOR:

Addictes Services

SUPPLIER:

Premier Concrete Products, Inc.

TECHNICAL DESCRIPTION:

Product: Shoreblock® BD OC
Block Type: Open Cell
Square Feet: 450,000



Prior to ACB Install



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Project Description:

Barker Ditch provides protected side surface water runoff collection for the Barker Dam perimeter containment levee in Houston, TX. It also provides flood protection to the highly populated communities adjacent to the dam.

Problem:

The combination of high water velocities in the channel bottom and highly erodible nature of the native soil, had been causing severe erosion and embankment failure for years particularly in the area where the ditch empties into the Dam outfall. Therefore, potentially jeopardizing the integrity of the outfall control structure.

Solution:

Shoreblock BD 600 OC lining of the channel was chosen as the solution because of the **Articulated Concrete Blocks** proven performance in high velocity applications and their ability to provide vegetation without compromising maintainability.