

## Carrollton Texas Golf Course Dam

Carrollton, Texas

**SHORETEC®**  
**Dam**  
**Overtopping**

### PROJECT TEAM

#### OWNER:

Maridoe Golf Club

#### ENGINEER:

O'Brien Engineering, Inc.

#### JOB NUMBER:

**160602 Proposed Dam**

#### CONTRACTOR:

Lahey, Inc.

#### SUPPLIER:

Premier Concrete Products, Inc.

#### TECHNICAL DESCRIPTION:

Product: ShoreBlock® SD 900  
Tapered  
Block Type: Open Cell  
Square Feet: 35,000  
Thickness: 9"  
Installation Date: Sept. 2016



### PROJECT DESCRIPTION:

Construction of the 214 acre newly designed **Maridoe Golf Club** in the Dallas suburb of Carrollton. Course included 18 holes with numerous water hazards including a 26 acre lake. Once complete, the course will measure more than 7,700 yards from its longest tees with a par of 71. Construction is expected to take a year, with the course scheduled to open in the Spring of 2017 following a grow-in period.

### PROBLEM:

The 26 acre / 30 feet deep lake in the center of the grounds was dammed off to prevent downstream flooding and protection for hundreds of residential and commercial properties. In the case of extreme rainfall events, the lake will begin to over top the dam and its surrounding unprotected soils.

### SOLUTION:

The design engineer selected **Shoreblock 9"** open cell tapered block with a 4" drainage layer to line the dam and surrounding areas to prevent erosion and potential undermining of the existing dam. Tapered series block was selected due to the extreme hydraulic overtopping conditions that could present itself in a substantial rainfall event.