

BATTERY PARK CITY AUTHORITY

REQUEST FOR PROPOSALS

FOR

South Battery Park Resiliency Project

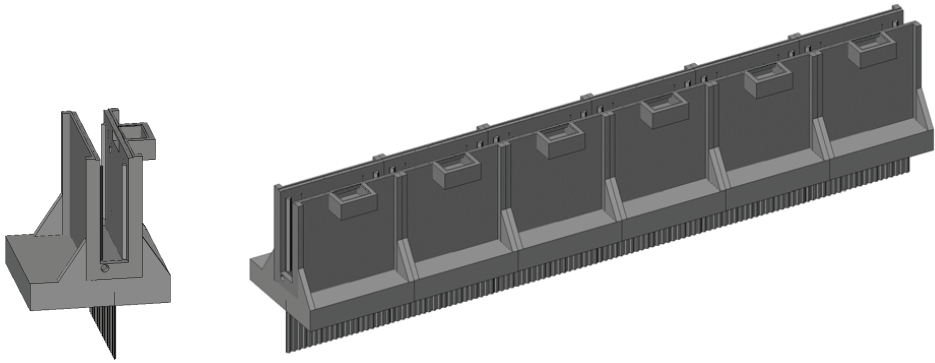
Design Services

5. Deployable Flood Barrier Concept

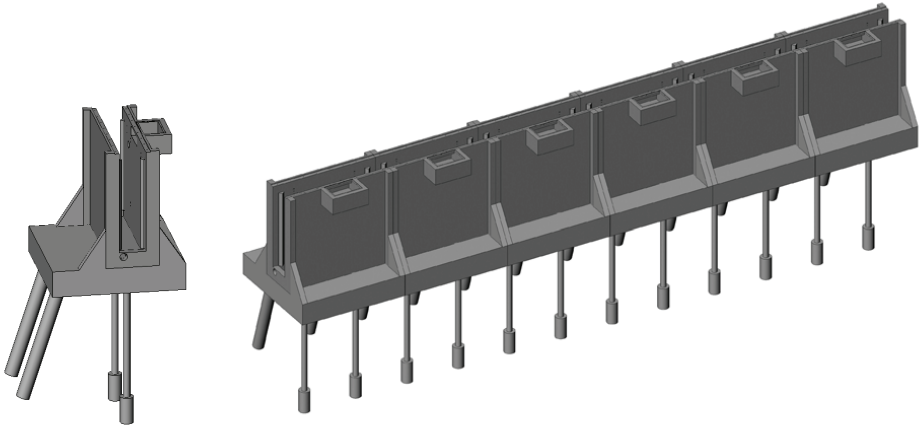
Flood Barrier System

Because a portion of the flood protection line of the South Battery Park City Resiliency Plan will cross just below the southern terminus of Route 9A, the Hudson River Park Greenway and the newly designated Empire Trail, it is important that views and access to the water be preserved to the greatest extent feasible.

The preferred deployable flood barrier system uses flood gates that are stored in the ground and raised in the event of a storm condition. In the raised position, the barriers are supported between columns spaced at a uniform distance of approximately 15 feet, which is the length of the individual flood wall units. The structure is a repeating unit, and each segment of flood wall is linked to form a continuous protective wall.



Foundation base assembly with sheet piles



Foundation base with batter piles and rock anchors

July 13, 2017

Link To

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