

Clippership Wharf Residential

63 Lewis St, East Boston

RESILIENCY

SLR, Living Shoreline, Resilient Infrastructure

SUSTAINABILITY

Green Building, Carbon Reduction

Team:

Developer: Lend Lease Development, Inc

Architect: The Architectural Team, Inc.

Landscape Architect: Halvorson Design

Coastal Engineer: GEI Consultants, Inc.

Ecologist: DeRosa Environmental Consulting

Construction Management: Lend Lease

Status: Under Construction

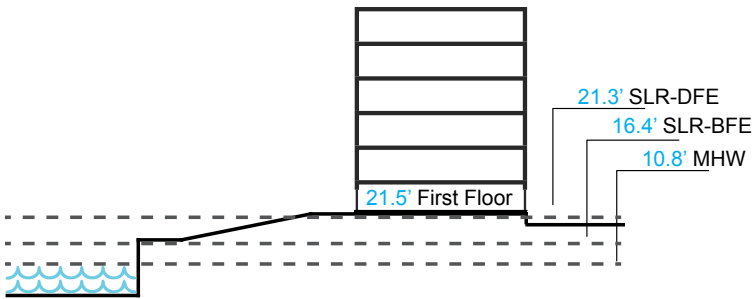
At Clippership Wharf, we have an opportunity and responsibility to lead. With growing public awareness of climate change impacts we are seeing strong buyer interest in building resiliency and green measures reducing GHG emissions.

- Nicholas Iselin at Lendlease





New intertidal flats, salt marsh and coastal banks with access



Sea Level Rise

- Elevated ground plane and raised first floor level
- Building integrated flood barricades
- Durable public spaces

Living Shoreline

The project creates approximately 34,400 SF of new intertidal zone. Consists of Tidal Flats, Coastal Banks, Rocky Intertidal Shores, and Salt Marsh created from existing solid fill at the end of the western wharf. The new wetlands help to improve the water quality and habitat of Boston Harbor and allow users a variety of points at which to interact with and access the water including a community kayak center.

Green Building

LEED V4 BD+C Gold Certification
Point: 78

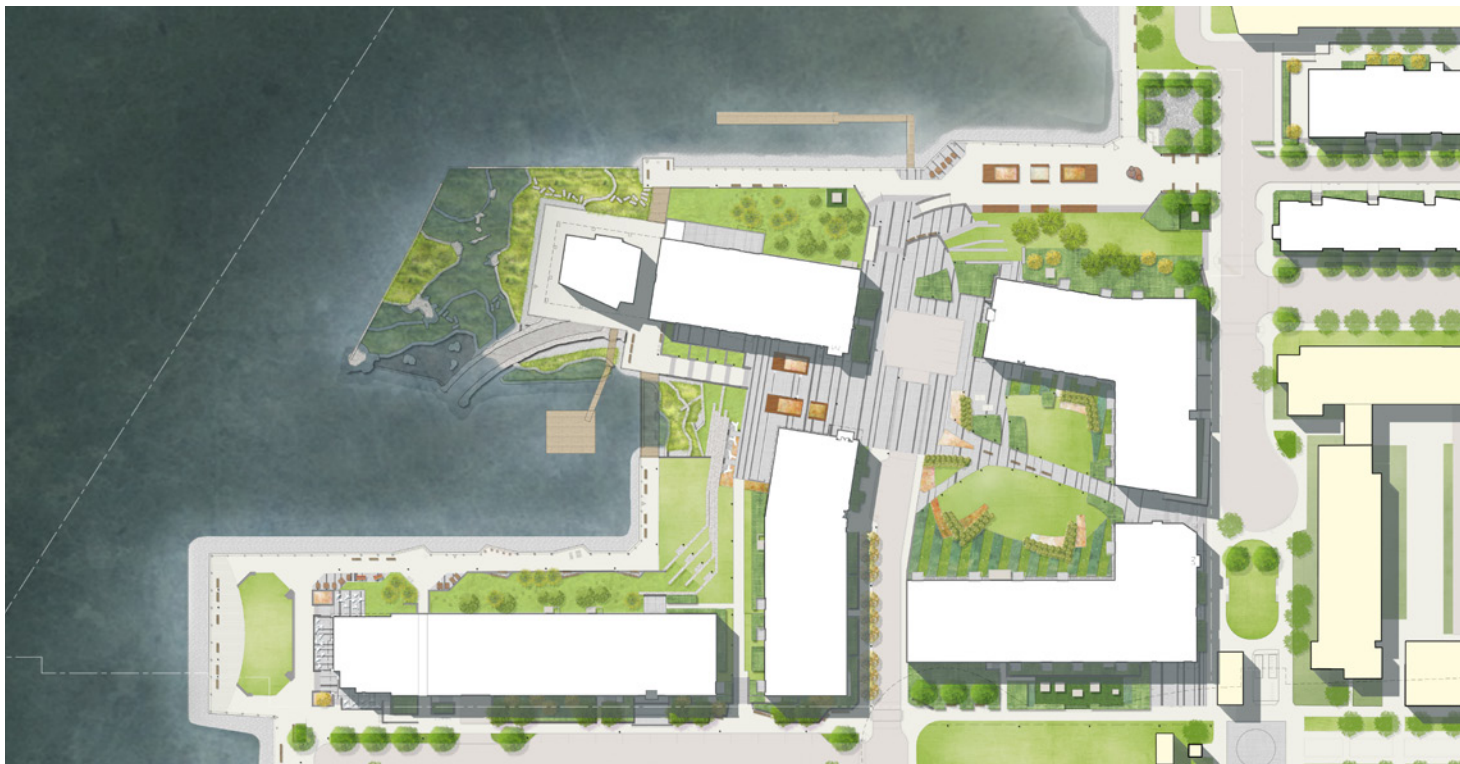


Resilient Infrastructure

The project includes a new section of Harborwalk which has been constructed 6.5 feet above the high tide level to increase site and building flood resiliency. New stormwater piping constructed under Sumner Street expands on work by the Boston Water and Sewer Commission to separate area stormwater and sanitation piping furthering Boston Harbor cleanup efforts.

Carbon Reduction

The buildings are designed to use 20% less energy and allowed by the Massachusetts Stretch Code and are forecasted to achieve a 30% energy cost savings. Additionally the project will include a 250 kWh solar PV array which, with future adaptations, could provide limited power during an interruption in utility service.



Sea Level Rise Adaptation