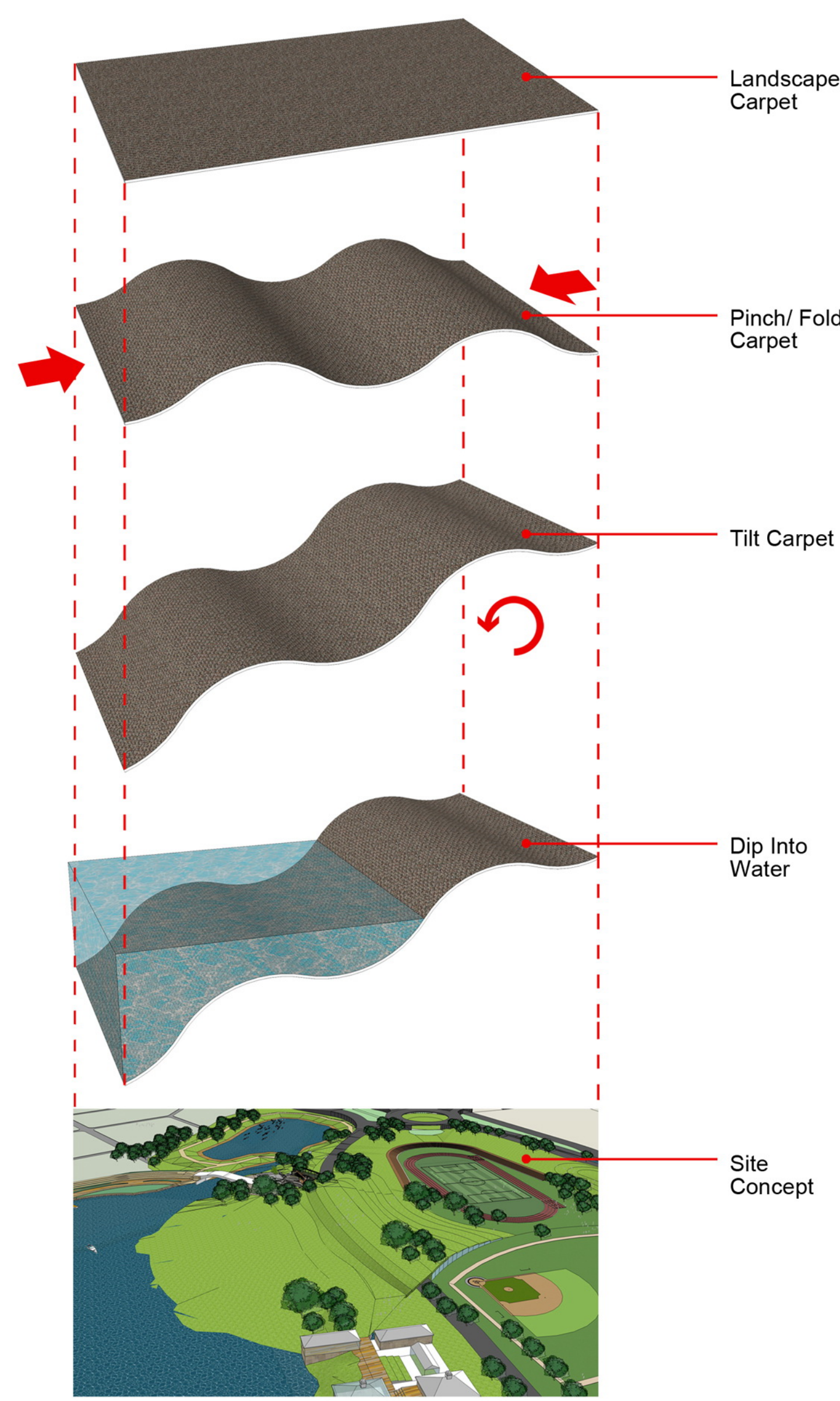


# COASTAL CARPET

## WHERE THE GARDEN MEETS THE SEA

Coastal Carpet is an urban scale, continuous landscape membrane concept connecting neighborhood parklands directly with the sea. It is a resilient and flexible surface layer that adjusts its shape and terrain according to social and technical challenges. It can be bent and rolled to form undulating surfaces giving definition to gardens and special places; provide gentle slopes for winter snow sledding; pinched and squeezed to form ridges to block rising sea levels, contain stormwater runoff from excessive precipitation; fly over busy streets to provide safe, uninterrupted travel from Moakley Park to Carson Beach; and dipped into water forming wetlands that filter water pollution and provide a shoreline buffer against incoming storm surges.



### PHASING

**First Phase-Near term (2030's) 9' Sea Level Rise:**  
Fortify flood low entry points along Carson Beach crescent and north Bayside Expo frontage with flood control gates. This allows William J Day Boulevard and Moakley Park to function. Relocate trees, playfields, landscape features and provide for new growth areas and infrastructure. Provide water retention pond at the north zone. Develop public community garden and elevated waterfront facilities to stimulate financial investments and generate revenue. Develop outer sea areas with living barrier reefs and seagrass meadow for wave energy dissipation and storm protection; provide beach nourishment with quality sediments for maintenance.

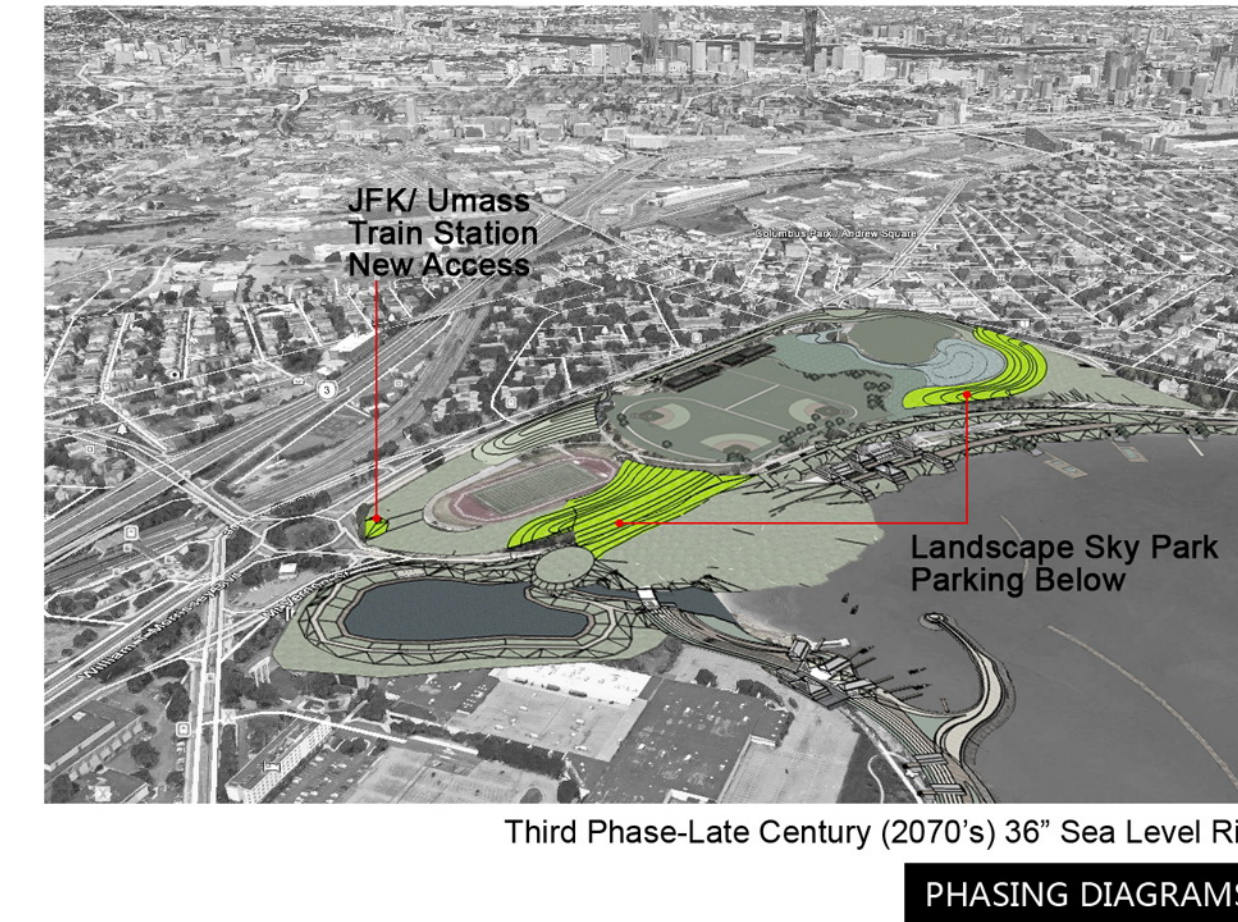
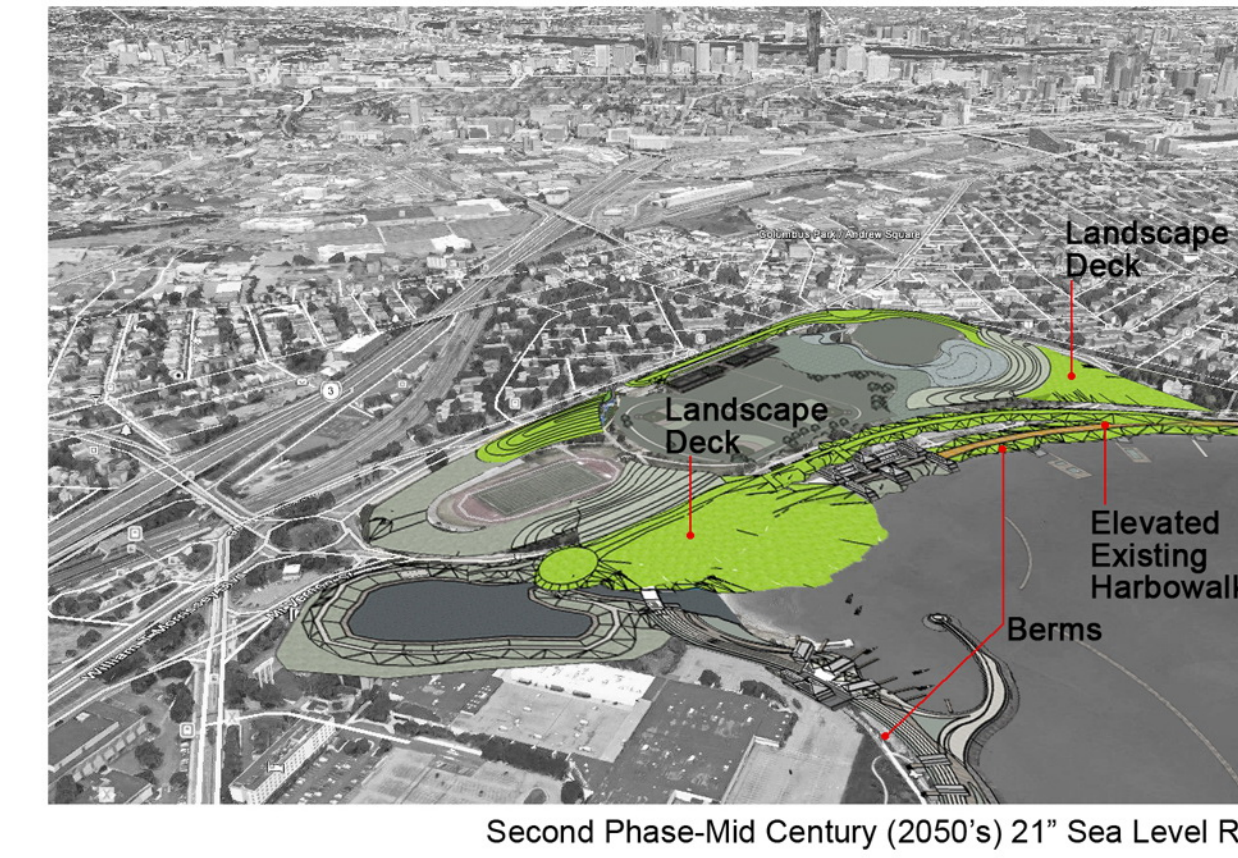
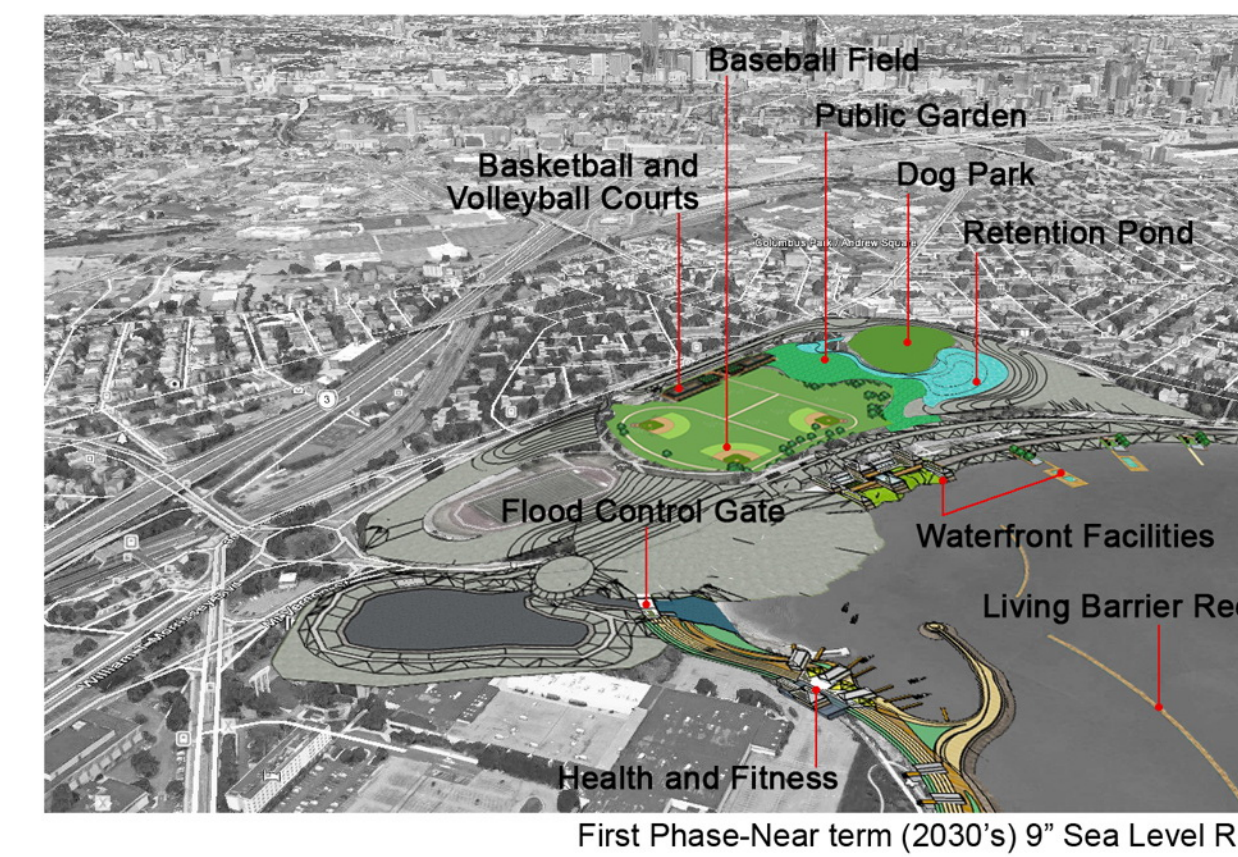
**Second Phase-Mid Century (2050's) 21' Sea Level Rise:**  
Provide berms along Carson Beach and Moakley Park north and west zones to prevent increased flooding. Elevate existing Harborwalk along berm and create new active multi-modal boardwalk for pedestrians, bikes and jogging. Provide elevated landscape decks with related parking and service facilities adjacent to the existing south stadium and north retention pond/triangle shaped median strip.

**Third Phase-Late Century (2070's) 36' Sea Level Rise:**  
Extend the elevated landscape decks over William J Day Boulevard and Babe Ruth Park Drive to connect Moakley Park directly with Carson Beach on the south, and triangle shaped median strip plaza on the north.

### CONCEPT MASTER PLAN - FUNCTIONAL ZONES

Moakley Park is subdivided into 4 zones:

- North Zone:** Adjacent to dense commercial and residential South Boston district, a Dog Park located for convenient access; Retention Pond for stormwater runoff recycling and landscape irrigation, recreational winter ice-skating; Public Garden for community food production and exhibition.
- Central Great Lawn Zone:** Flat open terrain for Multi-Function events such as outdoor theater and concerts, picnics, exhibitions and recreational field play.
- SouthWest Sports Zone:** The existing sports stadium is integrated with baseball, tennis, volleyball courts and fields. An upper landscaped deck is provided to align with the stadium's upper level seats height. Below the deck is parking, concession stands, restrooms, bike storage, maintenance and security offices. The upper deck surface undulates toward the east and bridges over William J Day Boulevard, providing direct access to Carson Beach and Harborwalk. A Skateboard Park is located adjacent to the bridge. By removing the soil and providing columns under the existing Morrissey Boulevard rotary, direct access from JFK/UMASS train station is provided via open, tree lined plazas and courtyards to the existing Moakley Park Stadium.
- Carson Beach Zone:** A raised berm is provided along the crescent of Carson beach to mitigate flooding from rising sea levels and storm surges. The outer sea areas receive living barrier reefs as a first line defense from storm surges and restoring the natural habitat. Harborwalk becomes an elevated active boardwalk featuring pavilions for restrooms, lockers and showers, water rescue, swimming pools, food snacks and lounging. The existing buildings and fieldhouses are grouped with new facilities providing restaurants, art galleries, entertainment and visitors center.  
The triangle shaped median strip merging Columbus Road and William J Day Boulevard on the north is modified to create an iconic entry and sense of arrival from South Boston along the waterfront. The existing facility is relocated to allow open views of a sloping landscaped deck rising over Babe Ruth Park Drive to connect directly with Moakley Park. A seawater inlet is provided at the south zone, providing a wetland for filtering pollution from off-site stormwater runoff, and a floating festive outdoor market. Adjacent to the market is a health and fitness zone featuring a gymnasium, boat rowing, health spa, sports medicine clinic pavilions.



TIDE LEVEL PROJECTIONS			
CURRENT 2024**		NEAR TERM(2030'S) ***	
EL. (FT.)	38m 1 32m 1 26m 1 20m 1	18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 0 -1 -2 -3 -4 -5 -6	38 37 36 35 34 33 32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 0 -1 -2 -3 -4 -5 -6
18	17	16	15
14	13	12	11
10	9	8	7
6	5	4	3
2	1	0	-1
-2	-3	-4	-5
-6	-7	-8	-9

