SWAMPSCOTT PIER PROJECT

HARBOR & WATERFRONT ADVISORY COMMITTEE

January 6, 2022

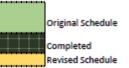
Status Updates

- RDA Filed and Negative Determination Granted 12/9/21
- Drilling Scheduled 1/17 and 1/18 Weather Depending
- Bathymetry Survey- Weather Dependent
- Preliminary Meeting held with MA DEP Water Quality Department on 12/9/21
- Group Meeting with Regulators 1/11/22 EPA, MA DEP, MEPA, DMF, CZM



TIMELINE

Swampscott Pier Project



Town of Swampscott

McAllister Marine Engineering

	Mexilister Marine Engineering				Octobe	October November			Dece	mber	January		February		March		April		May		June		
	Task/Activity	Start Date	Duration	Predecessors		18		15	6	20	4 18		1	1 15		7 21				2 16		6 20	
	Develop Project Plan			None	-													10		10			
	Develop Project Plan	15-000-21	4 neeks	None.													+	••••••					
2	Existing Conditions Documentation	15-0ct-21	4 -8 weeks	None																			
3	Site Survey -Landside	15-0ct-21	4 weeks	None	+																		
4	Site Survey - Waterside	15-Nov-21	4 weeks	None																			
5	Geotechnical Investigation	1-Nov-21	4-6 weeks	3			ł						>										
	Preliminary Engineering	1-Dec-21	8-12 weeks	3,4,5																			
	Feasibility Report	15-Feb-22	4-8 weeks	6																			
8	Permit Application Scoping	1-Mar-22	4-6 weeks	6													•						
	Permit Application Draft	15-Apr-22	6-8 weeks	7																			
	Public Meeting 1	28-Oct-21	1 day	None																			
	Public Meeting 2	20-Jan-22	1 day	None								\diamond											
	Public Meeting 3	10-Mar-22	1 day	None																			
	Public Meeting 4	21-Apr-22	1 day	None														\diamond					
	Draft Report for Seaport	15-Apr-22	2 weeks	6,7, 8																			
	Project Completion Package	6/1/2022		9																			

CONCEPTUAL LAYOUTS

Conceptual Layouts

- 7 different layouts
- Ranging from 441 feet long to 695 ft long
- Headlands near fish house, middle of beach and on other side parking lot
- Landing area near existing, and out further in deeper water

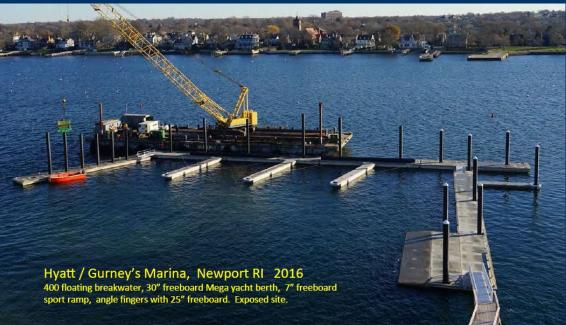
Conceptual Layouts

- Varying widths- 12 ft to 44 ft
- Elevation needs to be determined
- Too early for material decisions
- Boat ramp layouts and extension to deeper water
- Resiliency aspects for Fish House, Pier and Beach

DESIGN APPROACH

Resiliency

- Floating Dock Wave Attenautors
- Geotube reinforced Berms
- Landscape Sculpting

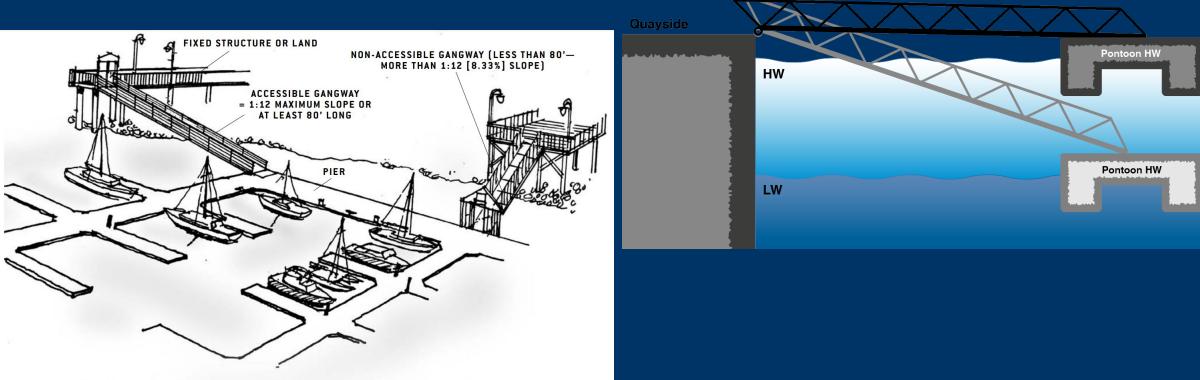




DESIGN APPROACH

Link-span (also Brow, Gangway)

Deck Elevation and Gangways



ACCESSIBLE GANGWAY SERVING ACCESSIBLE BOAT SLIPS IN A LARGE FACILITY

DESIGN APPROACH

Divided Use Pier





Desired Input

Preferences on:

- Headlands-Fish House or Parking Area
- Landing area- Near existing or into deeper water
- Boat Ramp Location relative to pier
- Widths- 12 ft -44 ft
- Elevations +14 ft to +20 ft
- Design Life 30 yrs, 50 yrs, 75 yrs
- Wave Attenuator for Floating Docks
- Preference to allow tie up of sailboats

