

2108 NORTH BAY ROAD DOCK PROJECT

Miami Beach, Florida

CLIENT:
MR. BARRY BRODSKY
BRODSON CONSTRUCTION, INC.

2108 North Bay Road
Miami Beach, Florida 33141

ENVIRONMENTAL CONSULTANT:
OCEAN CONSULTING, LLC.

340 Minorca Avenue, Suite 7
Coral Gables, Florida 33134
Tel: (305) 921-9344
Fax: (305) 677-3254

CONTRACTOR:

PROJECT ENGINEER:
ADOLFO J. GONZALEZ P.E.

2050 Coral Way, Suite 502
Miami, Florida 33145
Tel: (305) 415-8782

SEAL / SIGNATURE / DATE

Adolfo J. Gonzalez
Lic. No. 58620

PERMIT DRAWINGS

Issue # Issue Date
① Sept. 6, 2022

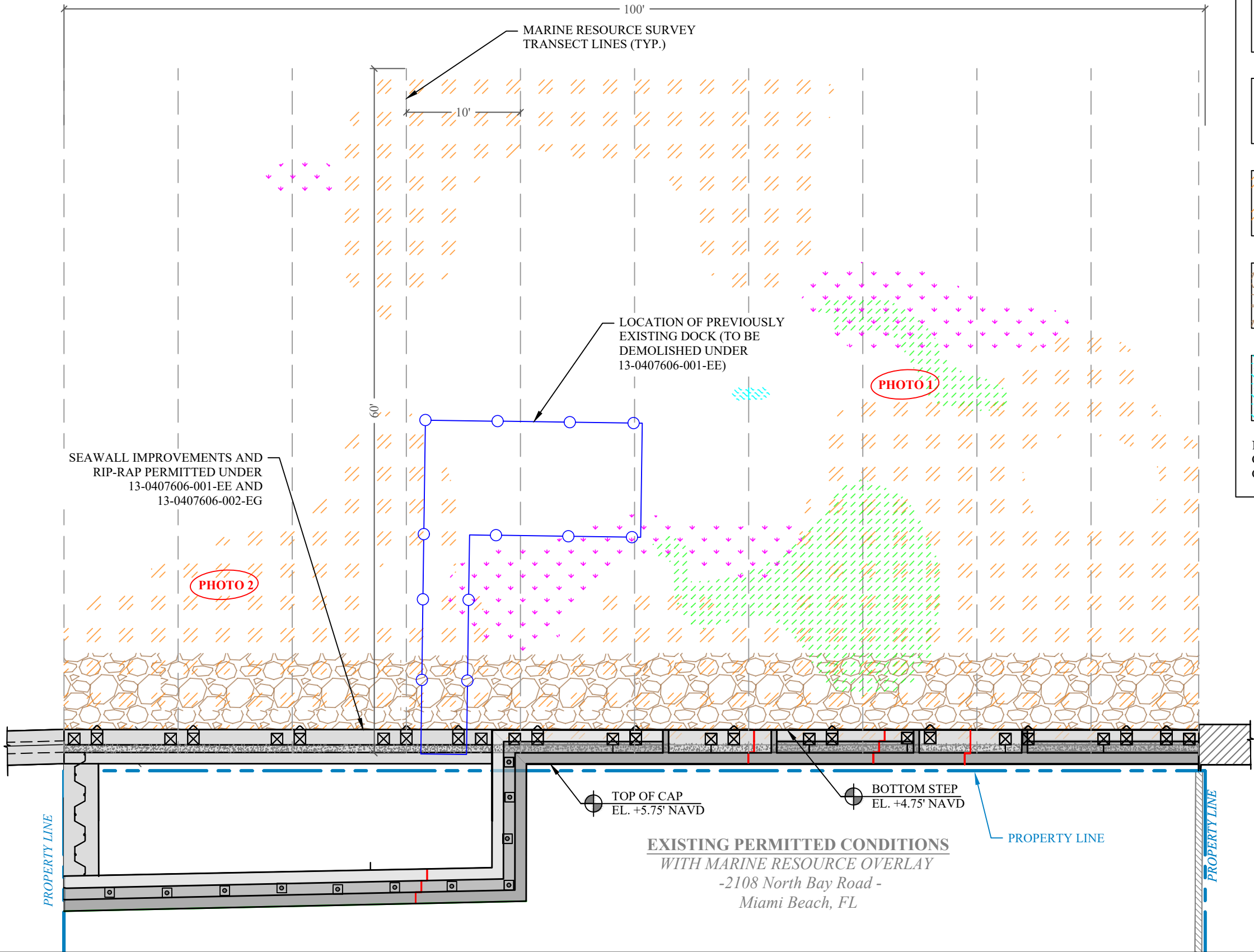
PROJECT: 21-10845 CLI-2021-0669

PERMITTED CONDITIONS
WITH MARINE RESOURCE
OVERLAY

SCALE : AS SHOWN
SHEET NO.

MR1

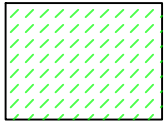
SURPRISE LAKE



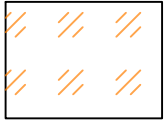
MARINE RESOURCE SURVEY KEY:



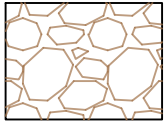
SPARSE PADDLE GRASS
(*HALOPHILA DECIPIENS*): <5%



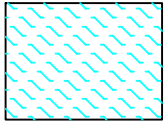
SPARSE SHOAL GRASS
(*HALODULE WRIGHTII*): <15%



DENSE MACROALGAE,
PRIMARILY OF THE GENUS
HALIMEDA



PERMITTED RIPRAP
BOULDERS



ISOLATED PATCH OF
TURTLE GRASS (*THALASSIA
TESTUDINUM*): <5%

NOTE: MARINE RESOURCE SURVEY
CONDUCTED BY OCEAN CONSULTING
ON AUGUST 18, 2022.



PHOTO 1: SPARSE SHOAL GRASS

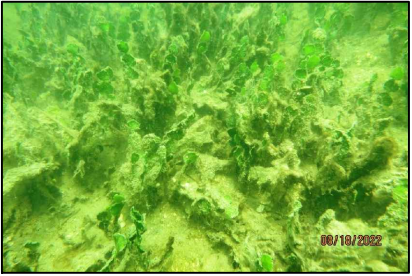
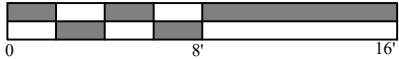
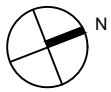


PHOTO 2: DENSE MACROALGAE



SCALE: 1/8" = 1"

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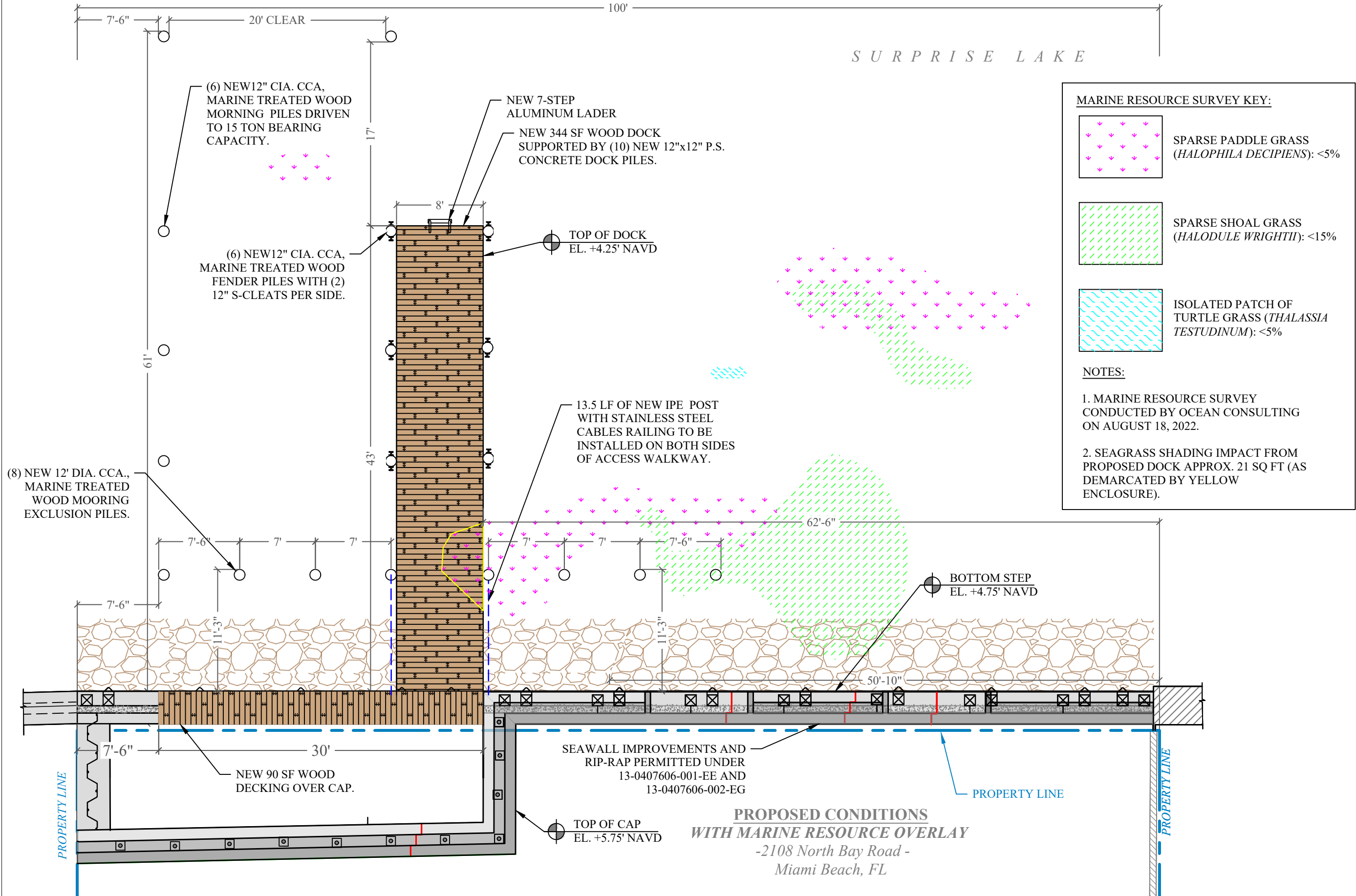
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PROJECT: 21-10845 CLI-2021-0669

PROPOSED CONDITIONS
WITH MARINE
RESOURCE OVERLAY
SCALE : AS SHOWN
SHEET NO.

MR2



2108 North Bay Road Dock Project
Marine Resource Survey – August 2022
Representative Photographs



Photo 1 (above): Dense macroalgae, primarily of the genus *Halimeda*, covers most of the nearshore baybottom adjacent to 2108 North Bay Road.



Photo 2 (above): Dense macroalgae obscuring the baybottom adjacent to 2108 North Bay Road.



Photo 3 (above): Sparse Shoal Grass (*Halodule wrightii*) was observed growing within the dense macroalgae at the northern end of the surveyed area.



Photo 4 (above): Most of the baybottom, including the vegetation (Shoal Grass shown above), was found to be covered in a thick cyanobacteria film. This film is seasonal and is associated with high nutrients within the water column.



Photo 5 (above): Sparse Shoal Grass.

Photo 6 (right): Sparse Shoal Grass growing within an area adjacent to a patch of dense macroalgae.





Photo 7 (above): Sparse Paddle Grass was observed beneath the existing dock (to be demolished under 13-0407606-001-EE), and in areas not containing dense macroalgae adjacent to the dock.



Photo 8 (above): Barren silty baybottom within the southern end of the surveyed area.



Photo 9 (above): A single isolated patch of Turtle Grass (*Thalassia testudinum*) was observed adjacent to the center of the Project site shoreline, approximately 30' offshore.



Photo 10 (above): Dense macroalgae, interspersed with Shoal Grass. beneath the survey transect tape.