



REPLY TO  
ATTENTION OF

Regulatory Division  
South Branch  
Palm Beach Gardens Permits Section

DEPARTMENT OF THE ARMY  
JACKSONVILLE DISTRICT CORPS OF ENGINEERS  
4400 PGA BOULEVARD, SUITE 500  
PALM BEACH GARDENS, FL 33410

January 22, 2020

## ***PUBLIC NOTICE***

Permit Application No. SAJ-1983-00588(SP-LCK)

TO WHOM IT MAY CONCERN: The Jacksonville District of the U.S. Army Corps of Engineers (Corps) has received an application for a Department of the Army permit pursuant Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. §403) as described below:

**APPLICANT:**

Sand Harbor Resort & Marina, LLC.  
Attn: Hank Freid  
125 N Riverside Drive  
Pompano Beach, FL 33062

**WATERWAY AND LOCATION:** The project would affect waters of the United States associated with an existing marina adjacent to the Intracoastal Waterway (ICW). The project is located at the Sand Harbor Resort at 125 North Riverside Drive adjacent to the Intracoastal Waterway, Pompano Beach (Section 31, Township 48 South, Range 43 East), Broward County, Florida.

Directions to the site: Take I-95 north to West Atlantic Blvd in Pompano Beach. Take exit 36 and keep right at the fork and merge onto Atlantic Blvd. Continue on Atlantic Blvd to North Riverside Dr. Turn left onto North Riverside Drive, end at 125 North Riverside Drive.

**APPROXIMATE CENTRAL COORDINATES:**

Latitude: 26.2330°  
Longitude: -80.0931°

**PROJECT PURPOSE:**

**Basic:** The basic project purpose is to improve water access of an existing marina.

**Overall:** The overall project purpose is to improve water access to the existing Sands Harbor Resort in Pompano Beach Florida.

**EXISTING CONDITIONS:** The project area consists of an existing 50-slip marina that contains approximately 12,847 square feet of existing pile supported structures. A

resource survey was conducted on August 21, 2019, with no seagrass or any other significant biological resources observed.

Project History: The Corps issued a permit dated August 2, 1983, that authorized the installation of structures for a marina. A Broward County Marine Facilities Operating Permit issued pursuant to the County Manatee Protection/Boating Facility Siting Plan authorizes up to 60 wet slips at the site.

PROPOSED WORK: The applicant proposes to demolish an existing fuel dock terminal platform and install a new 1,960 sq. ft. fuel dock terminal platform in a more waterward location. The terminal platform varies in length between 102 and 103.8 ft and in width between 9.5 and 28.5 ft. and includes a 8.4-foot by 8.0-foot connector piece to the existing main access pier. The applicant additionally proposes to install two new 4-foot-wide finger piers (one 40.7' long and one 49.1 ft long) east/landward of the fuel dock terminal platform, creating two new slips and resulting in a total of 52 slips in the marina based on the typical mooring configuration.

AVOIDANCE AND MINIMIZATION INFORMATION – The applicant has provided the following information in support of efforts to avoid and/or minimize impacts to the aquatic environment: No submerged aquatic vegetation will be impacted by the project. Best management practices for turbidity and erosion control will be utilized during all demolition and construction activities. The turbidity barriers will be installed prior to commencement of in-water work.

COMPENSATORY MITIGATION – The applicant has provided the following explanation why compensatory mitigation should not be required: The applicant has stated that compensatory mitigation is not required because no impacts to submerged aquatic vegetation and/or other aquatic resources (i.e., corals) are proposed or anticipated.

CULTURAL RESOURCES: The Corps is not aware of any known historic properties within the permit area. By copy of this public notice, the Corps is providing information for review. Our final determination relative to historic resource impacts is subject to review by and coordination with the State Historic Preservation Officer and those federally recognized tribes with concerns in Florida and the Permit Area.

ENDANGERED SPECIES: Since the proposal by the applicant is for in-water construction, potential impacts to the threatened West Indian manatee (*Trichechus manatus*) were evaluated using The Corps of Engineers, Jacksonville District, and the State of Florida Effect Determination Key for the Manatee in Florida, April 2013 (Key). Use of this Key produced the sequential determination A-B-C-G-H-J-K -may affect not likely to adversely affect the West Indian manatee. The U.S. Fish and Wildlife Service (FWS) has already provided concurrence with this determination pursuant to Section 7 of the Endangered Species Act and no further consultation is required.

The Corps has determined the proposed project may affect, but is not likely to adversely affect the endangered smalltooth sawfish (*Pristis pectinata*), swimming sea turtles: the

endangered green sea turtle (*Chelonia mydas*), the endangered hawksbill sea turtle (*Eretmochelys imbricata*), the endangered leatherback sea turtle (*Dermochelys coriacea*), the endangered Kemp's ridley sea turtle (*Lepidochelys kempii*), and the threatened loggerhead sea turtle (*Caretta caretta*). The Corps will request concurrence with these determinations from the National Marine Fisheries Service (NMFS), Protected Resources Division pursuant to Section 7 of the Endangered Species Act by separate letter.

**ESSENTIAL FISH HABITAT (EFH):** This notice initiates consultation with the National Marine Fisheries Service on EFH as required by the Magnuson-Stevens Fishery Conservation and Management Act 1996. Approximately 2,320 square feet of unvegetated mud, sand, shell and rock habitat will be shaded via the installation of structures. The benthic habitat is utilized by various life stages of penaeid shrimp complex, reef fish, stone crab, spiny lobster, migratory/pelagic fish, and snapper/grouper complex. The project as proposed will not have a substantial adverse impact on EFH or federally managed fisheries based on the applicant's implemented avoidance and minimization measures. Our final determination relative to project impacts and the need for mitigation measures is subject to review by, and coordination with, the National Marine Fisheries Service.

**NOTE:** This public notice is being issued based on information furnished by the applicant. This information has not been verified or evaluated to ensure compliance with laws and regulation governing the regulatory program. The jurisdictional line has been verified by Corps personnel.

**AUTHORIZATION FROM OTHER AGENCIES:** Water Quality Certification may be required from the Florida Department of Environmental Protection and/or one of the state Water Management Districts.

**COMMENTS** regarding the potential authorization of the work proposed should be submitted in writing to the attention of the District Engineer through the Ms. Linda C. Knoeck, Permits Section, 4400 PGA Boulevard, Palm Beach Gardens, FL 33410, within 21 days from the date of this notice.

The decision whether to issue or deny this permit application will be based on the information received from this public notice and the evaluation of the probable impact to the associated wetlands. This is based on an analysis of the applicant's avoidance and minimization efforts for the project, as well as the compensatory mitigation proposed.

**QUESTIONS** concerning this application should be directed to the project manager, Ms. Linda C. Knoeck, in writing at the Palm Beach Gardens Permits Section, 4400 PGA Boulevard, Palm Beach Gardens, FL 33410; by electronic mail at [Linda.C.Knoeck@usace.army.mil](mailto:Linda.C.Knoeck@usace.army.mil); or by telephone at (561)472-3531.

**IMPACT ON NATURAL RESOURCES:** Coordination with U.S. Fish and Wildlife Service, Environmental Protection Agency (EPA), the National Marine Fisheries Services, and other Federal, State, and local agencies, environmental groups, and

concerned citizens generally yields pertinent environmental information that is instrumental in determining the impact the proposed action will have on the natural resources of the area.

**EVALUATION:** The decision whether to issue a permit will be based on an evaluation of the probable impact including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefits, which reasonably may be expected to accrue from the proposal, must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered including cumulative impacts thereof; among these are conservation, economics, esthetics, general environmental concerns, wetlands, historical properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food, and fiber production, mineral needs, considerations of property ownership, and in general, the needs and welfare of the people. Evaluation of the impact of the activity on the public interest will also include application of the guidelines promulgated by the Administrator, EPA, under authority of Section 404(b) of the Clean Water Act or the criteria established under authority of Section 102(a) of the Marine Protection Research and Sanctuaries Act of 1972. A permit will be granted unless its issuance is found to be contrary to the public interest.

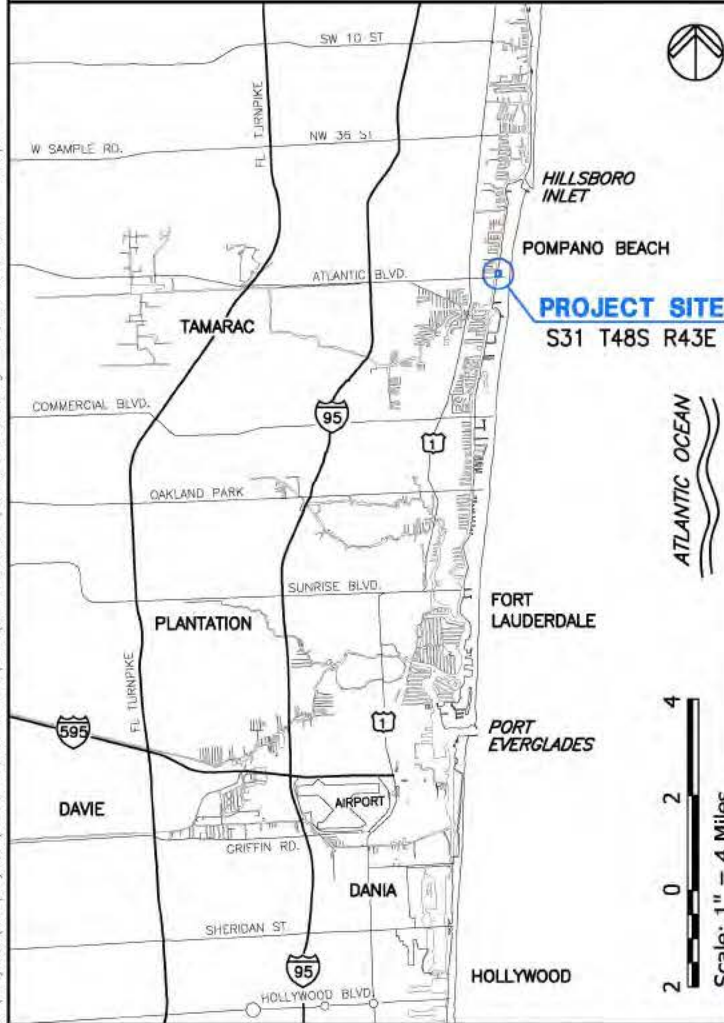
The US Army Corps of Engineers (Corps) is soliciting comments from the public; Federal, State, and local agencies and officials; Indian Tribes; and other Interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps to determine whether to issue, modify, condition, or deny a permit for this proposal. To make this determination, comments are used to assess impacts to endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

**COASTAL ZONE MANAGEMENT CONSISTENCY:** In Florida, the State approval constitutes compliance with the approved Coastal Zone Management Plan. In Puerto Rico, a Coastal Zone Management Consistency Concurrence is required from the Puerto Rico Planning Board. In the Virgin Islands, the Department of Planning and Natural Resources permit constitutes compliance with the Coastal Zone Management Plan.

**REQUEST FOR PUBLIC HEARING:** Any person may request a public hearing. The request must be submitted in writing to the District Engineer within the designated comment period of the notice and must state the specific reasons for requesting the public hearing.

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	PERMITS
	USACE: SAJ-1983-588
	REVISIONS
© Google Earth, Jan. 2019	

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DAVID G. OLIN  
FL.REG.57555

**Sand Harbor Marina**  
 125 North Riverside Drive  
 Pompano Beach, FL 33062



**OLIN HYDROGRAPHIC SOLUTIONS, INC.**  
 16334 Port Dickinson Drive, Jupiter, FL 33477  
 Tel: 305/619-2800 Fax: 305/860-4411  
 STATE OF FLORIDA PE #57555, CA #26050  
 Consulting Engineering, Environmental, and Mapping Services

Sand Harbor Marina  
 Proposed T-Head Relocation

**LOCATION MAP**

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30 0 30 60  
Scale: 1" = 60'



125' wide Intracoastal Waterway (ICWW)  
center line

ICWW Edge of Channel

This Project  
T-Head Relocation

47.9'±

62.5'

57.2'±

Ex. A Dock

Ex. B Dock

Sands Harbor Marina

Ex. C Dock

North Riverside Drive

MAP BASED ON MULTIPLE SOURCES: DIMENSIONS/LOCATIONS ARE APPROXIMATE

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### Sands Harbor Marina

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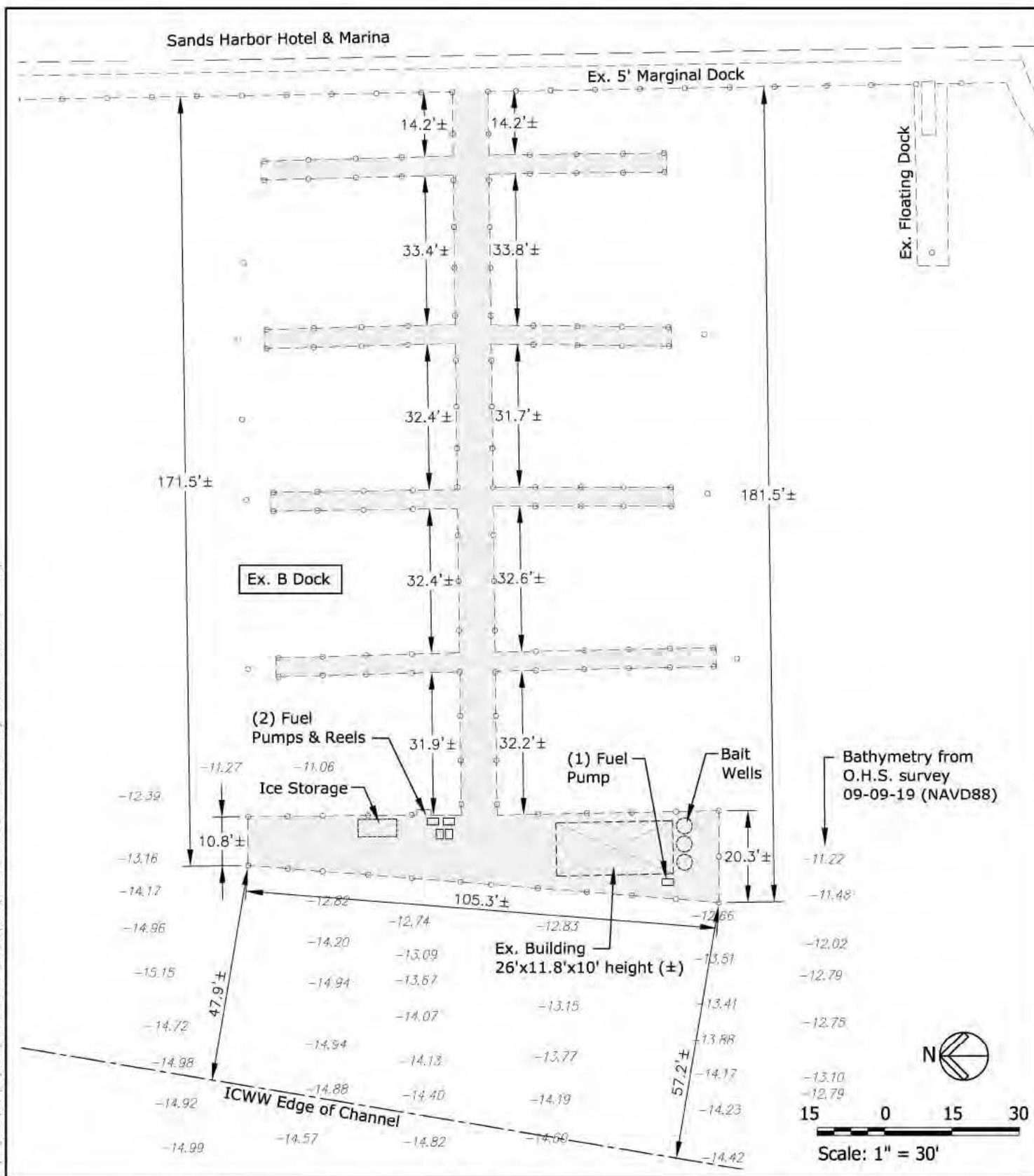
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### Sands Harbor Marina Proposed T-Head Relocation

#### EXISTING MARINA LAYOUT

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**Sands Harbor Marina**  
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**Sands Harbor Marina**  
**Proposed T-Head Relocation**

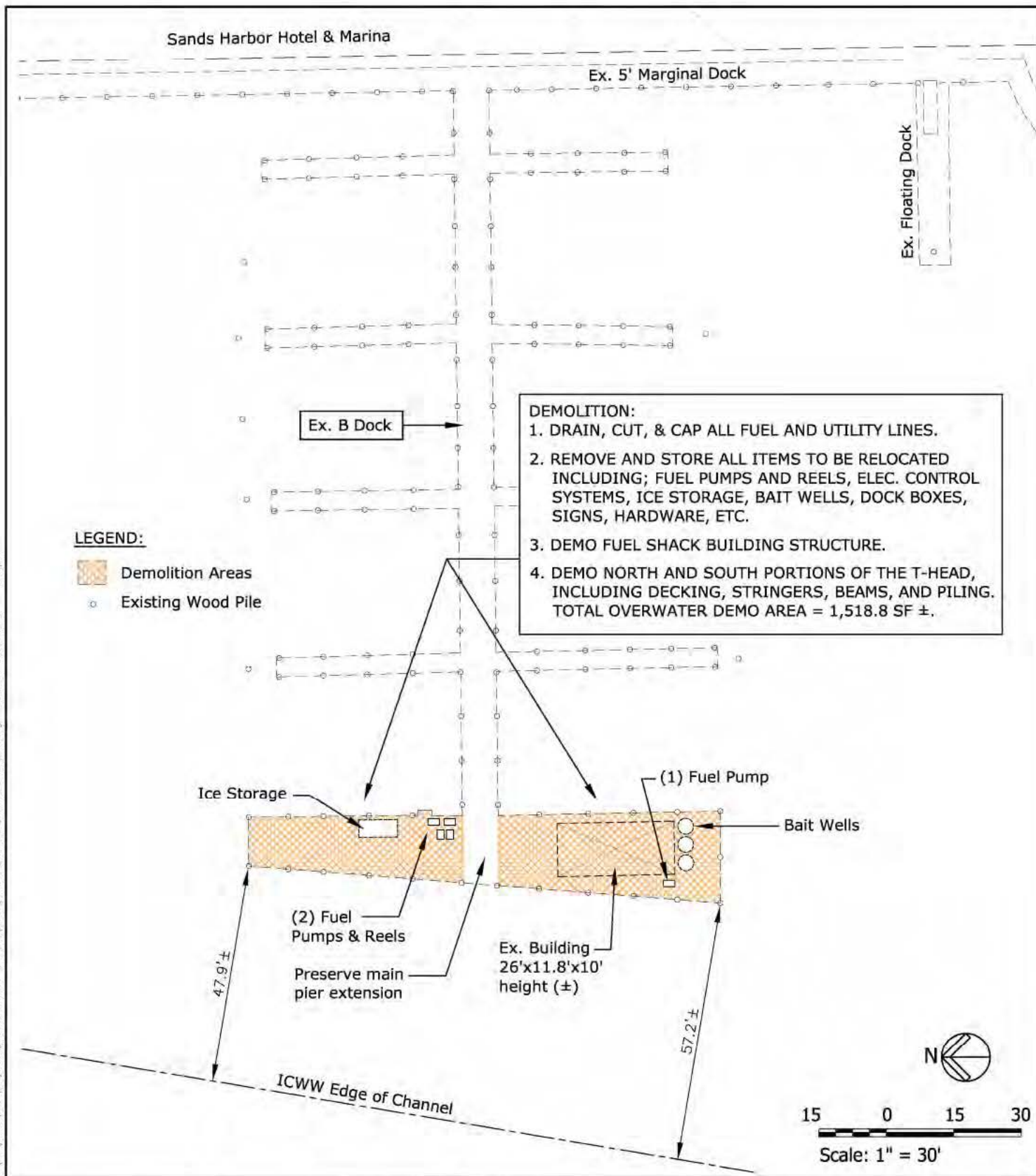
**EXISTING CONDITIONS • B-DOCK**

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### Sands Harbor Marina

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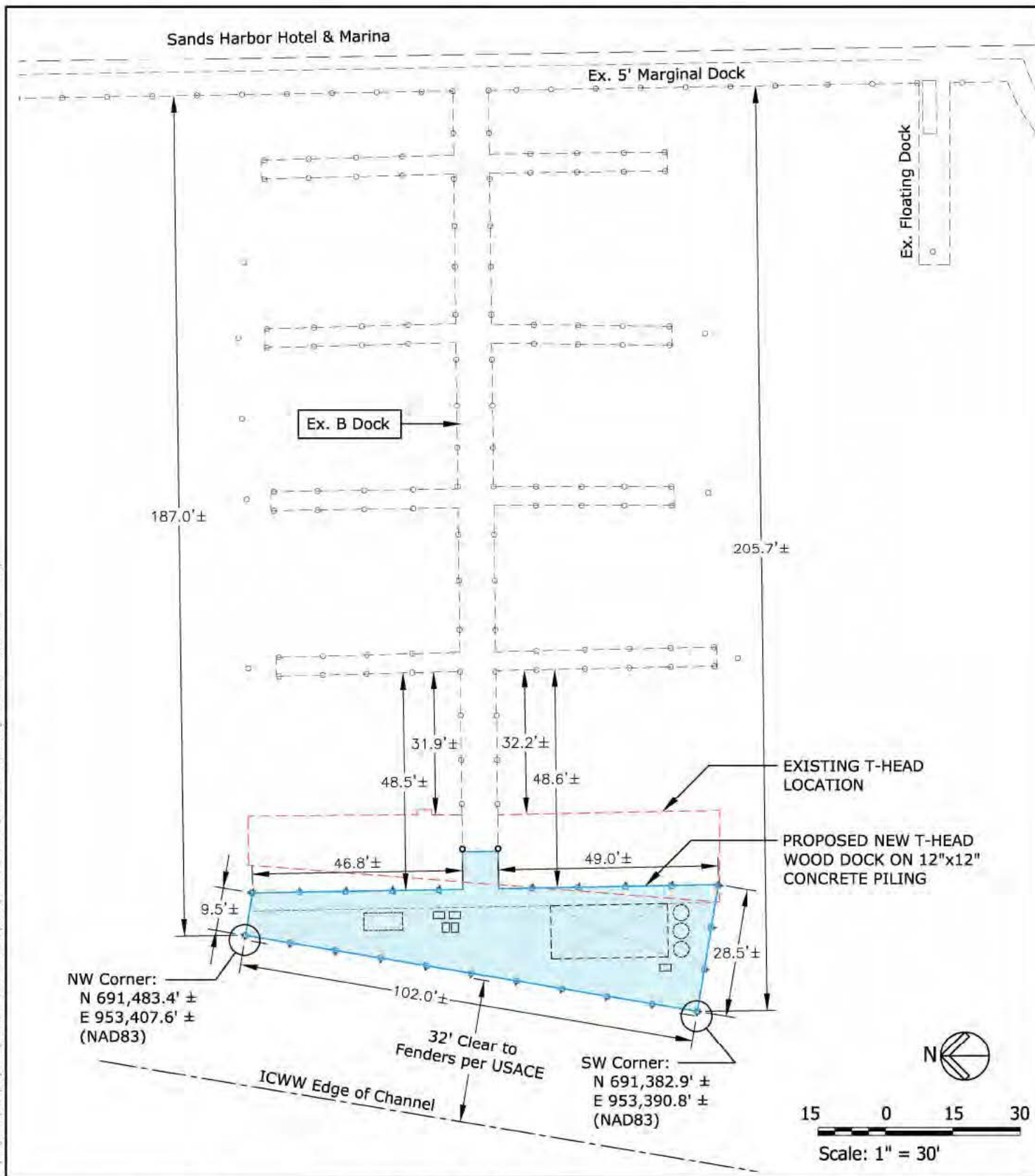
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### DEMOLITION PLAN

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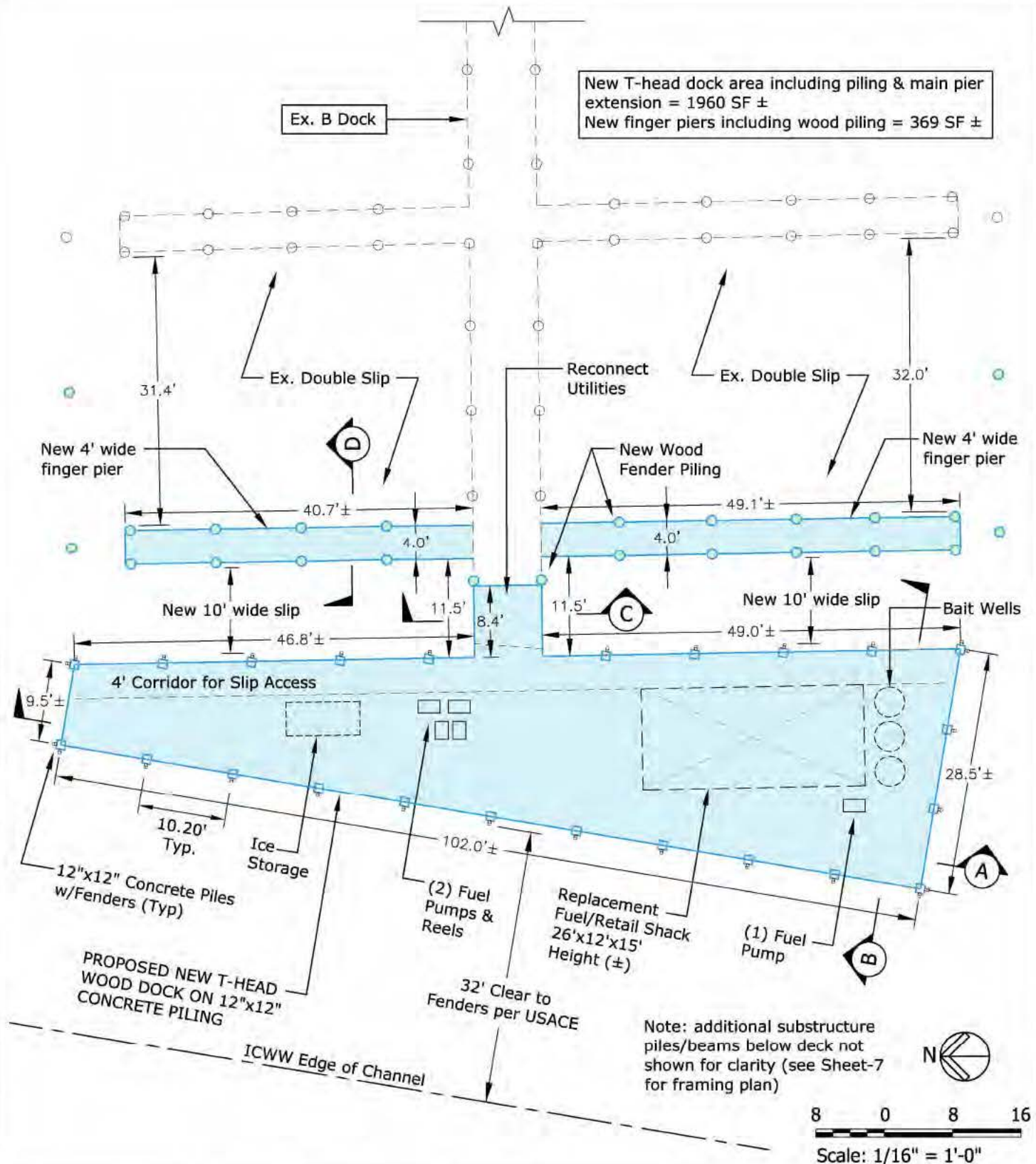
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Proposed T-Head Relocation

### T-HEAD RELOCATION PLAN

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### T-HEAD & FINGER PIER PLAN

JOB: 19-030 DATE: 10/16/2019

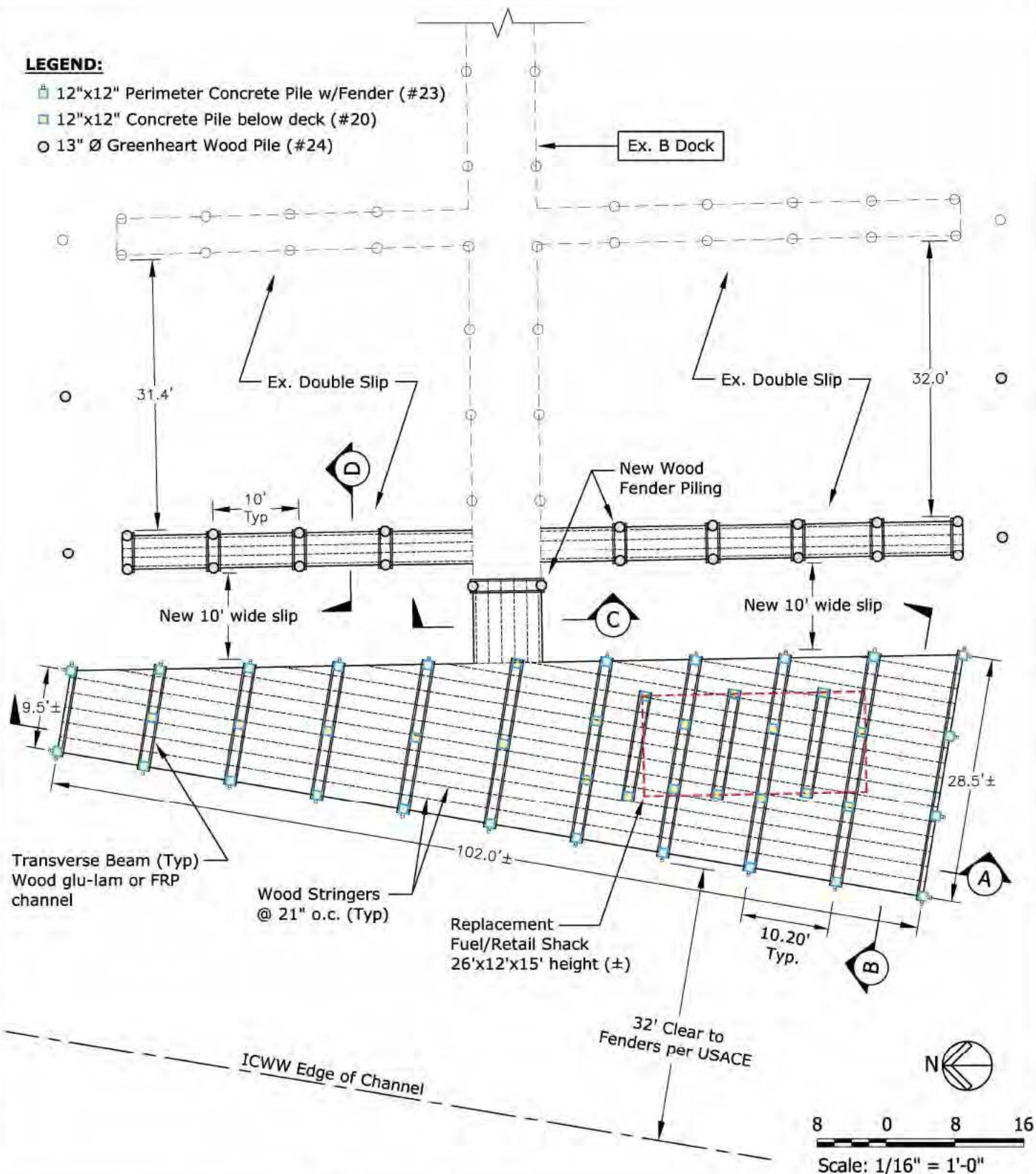
BY: TS SHEET 6 OF 13



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# LEGEND:

- 12"x12" Perimeter Concrete Pile w/Fender (#23)
- 12"x12" Concrete Pile below deck (#20)
- 13" Ø Greenheart Wood Pile (#24)



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FL REG. 57555

## Sands Harbor Marina

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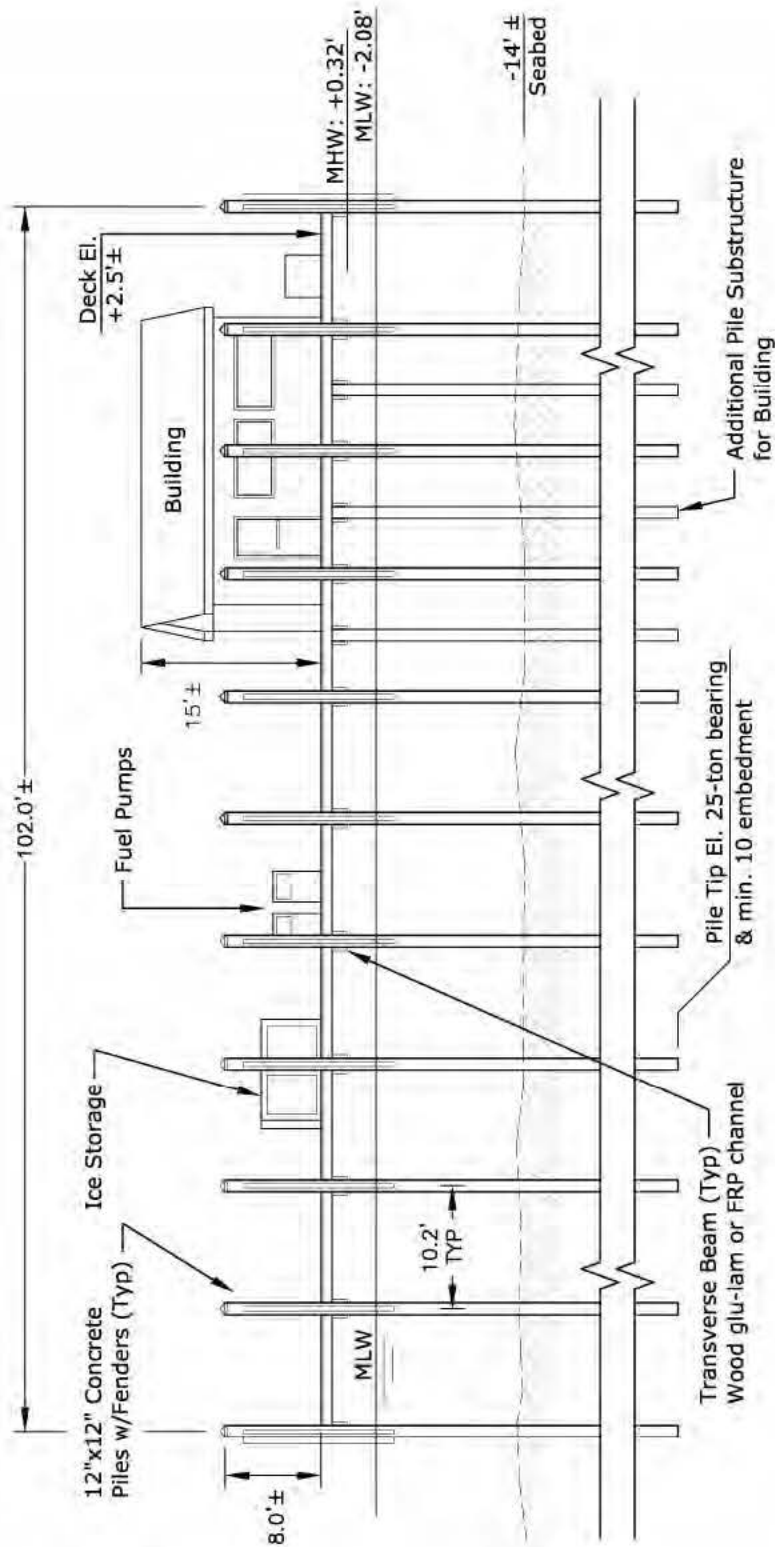
Sands Harbor Marina  
Proposed T-Head Relocation

### FRAMING PLAN

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## T-Head Elevation West

A

ELEVATIONS: NAVD83

DAVID C. CLIN  
11/11/2019

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125 North Riverside Drive  
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Proposed T-Head Relocation

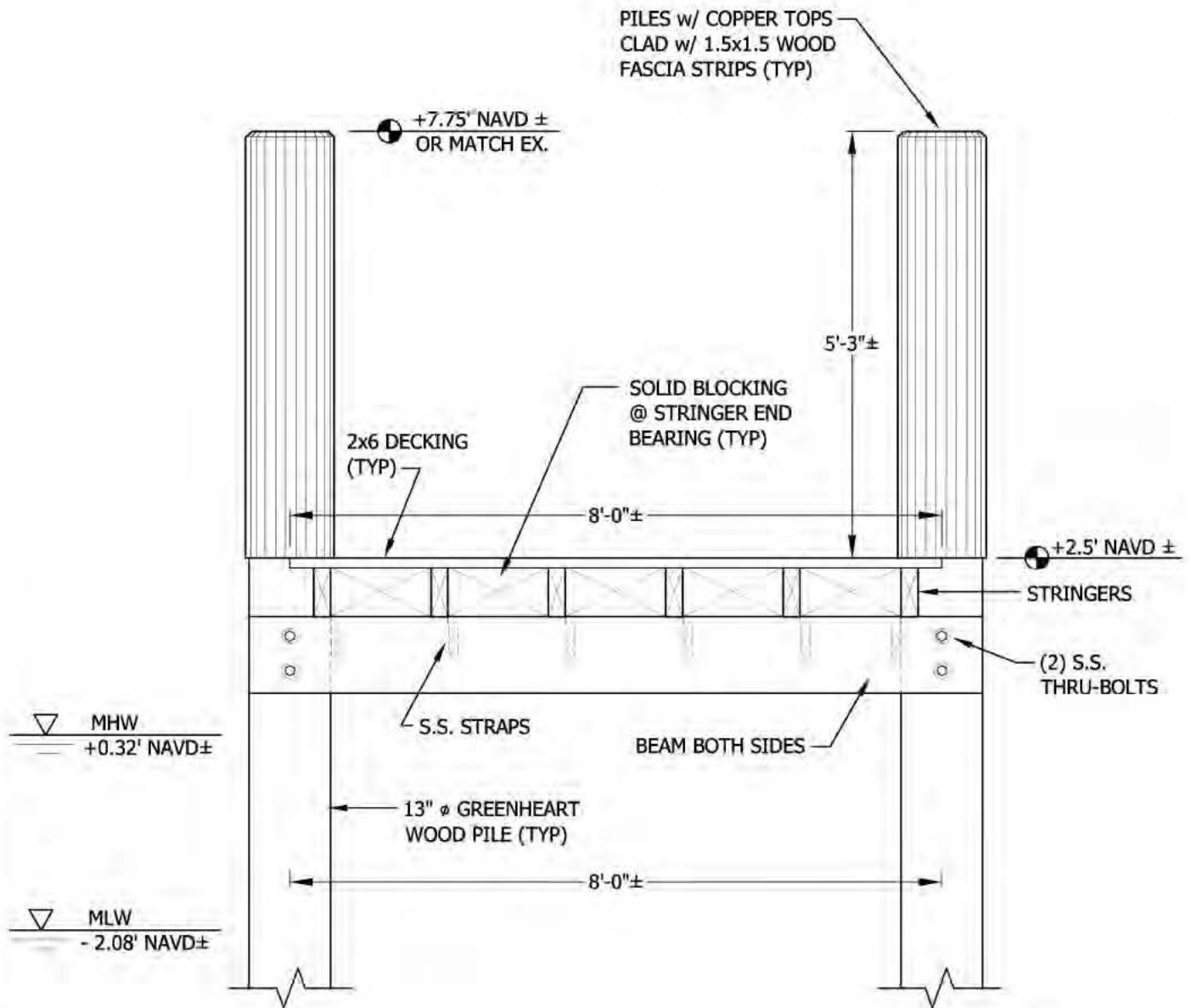
### T-HEAD ELEVATION WEST

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**(C) Typ. Main Pier Section**

1 0 1 2  
Scale: 1" = 2'-0"

ELEVATIONS: NAVD88

DAVID C. OLIN  
FL REG 57555

**Sands Harbor Marina**  
125 North Riverside Drive  
Pompano Beach, FL 33062

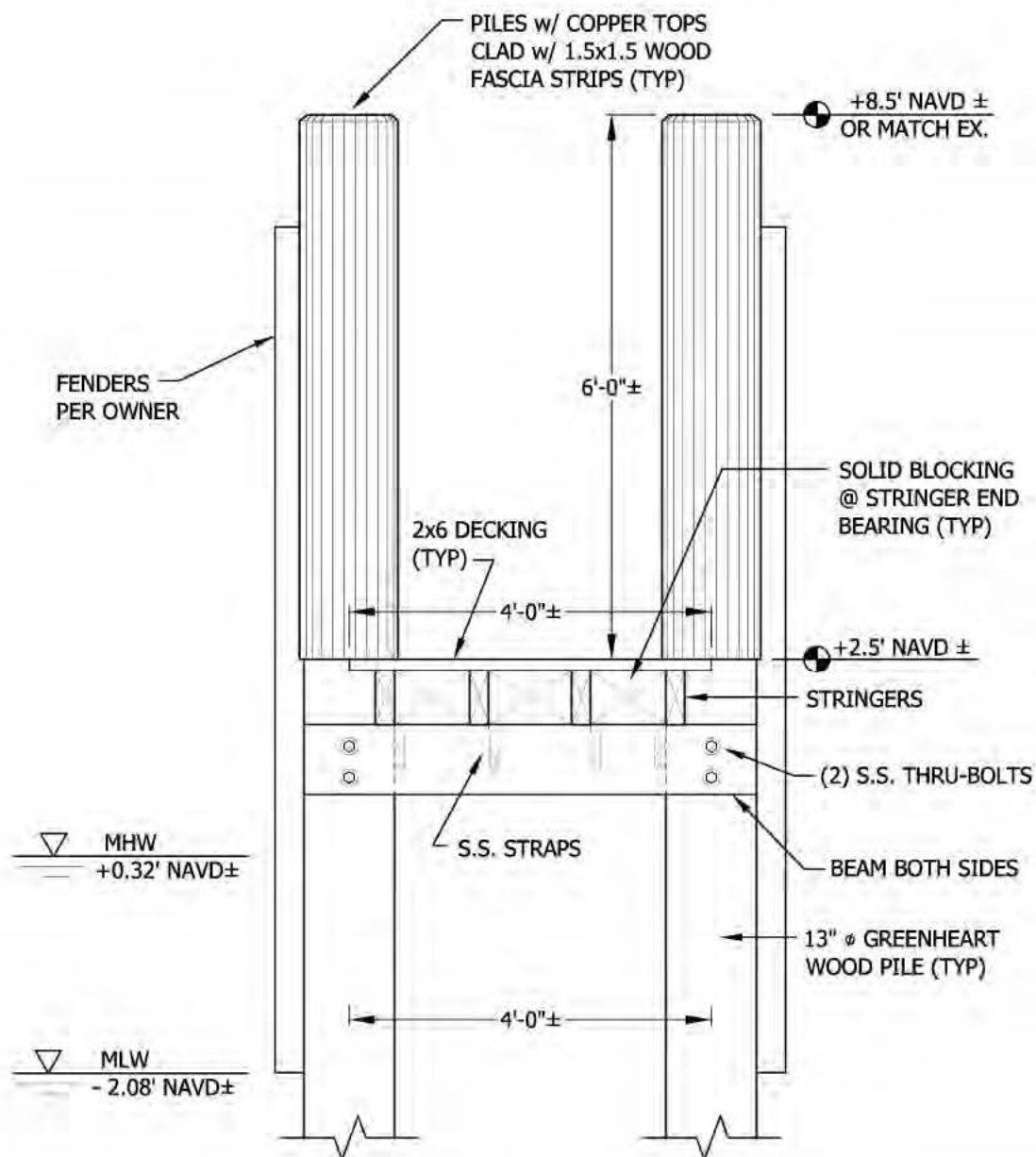


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Proposed T-Head Relocation

**TYP. MAIN PIER SECTION**

JOB:	19-030	DATE:	10/16/2019
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## D Typ. Finger Pier Section

1 0 1 2  
Scale: 1" = 2'-0"

ELEVATIONS: NAVD88

DAVID C. OLIN  
FL REG 57555

### Sands Harbor Marina

125 North Riverside Drive  
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Proposed T-Head Relocation

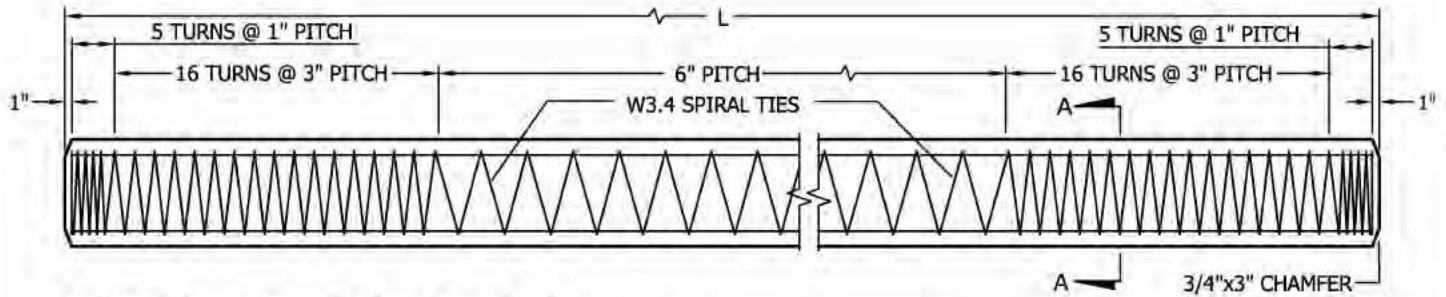
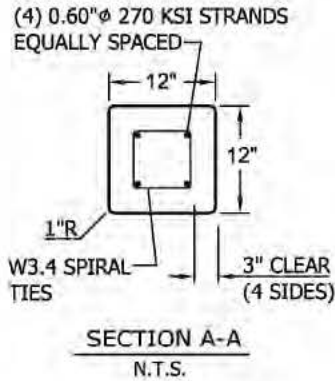
### TYP. FINGER PIER SECTION

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### 12"x12" PRESTRESSED PRECAST PILE

#### CONCRETE PILE SPECIFICATIONS:

1. (4) STRANDS, 0.60" DIAMETER GRADE 270 L.R.S. @ 44 KIPS (FDOT Index No. 20612).
2.  $F_c' = 6,000$  psi MIN. CLASS-V SPECIAL MIX (FDOT 2016 Standard Specifications, Div. II, Sect. 346).
3. MINIMUM 3" COVER ON ALL REIN.
4. TO REDUCE POROSITY ADD FLY ASH, SLAG, SILICA FUME, METAKAOLIN (OR APPROVED COMBINATION) WITH APPROPRIATE ADMIXTURES TO CONTROL WORKABILITY, CURING RATE, SHRINKAGE, ETC. (PER FDOT Sect. 346, 924, 925, 929).
5. ADD DCI "CALCIUM NITRATE" TYPE CORROSION INHIBITOR TO THE MIX AT 2.5 GALLONS/CY.

## 12"x12" Prestressed Pile Detail

N.T.S.

DAVID W. OLIN  
12/31/2019

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Proposed T-Head Relocation

### 12"x12" PRESTRESSED PILE DETAIL

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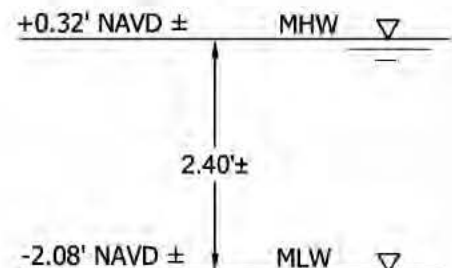


## NOTES:

1. ALL ELEVATIONS REFER TO THE "NORTH AMERICAN VERTICAL DATUM OF 1988" (NAVD88) AND ARE EXPRESSED IN FEET (0.0' NAVD88 = +1.57' NGVD29). ELEVATIONS AND STATE PLAN COORDINATES (NAD83) OBTAINED FROM SURVEY PERFORMED BY O.H.S., INC. ON 09-09-2019 FOR B-DOCK.
2. ALL CONSTRUCTION SHALL BE IN COMPLIANCE WITH FLORIDA BUILDING CODE (F.B.C.) AND BROWARD COUNTY CODES & REGULATIONS.
3. WOOD STRUCTURAL DESIGN PER AWC-NDS 2018. LIVE LOAD DECK DESIGN TO 100 PSF PER F.B.C. 2017 COMMERCIAL LOADING REQUIREMENTS.
4. ALL METAL FASTENERS SHALL BE STAINLESS STEEL TYPE 304 OR 316 AS NOTED ON PLANS.
5. ATTACH 2x6 DECKING WITH (2) 16d S.S. RING SHANK (R.S.) NAILS OR (2) #8x3" S.S. DECK SCREWS @ EA. STRINGER.
6. ALL STRUCTURAL TIMBER (BEAMS, STRINGERS, FASCIA, BLOCKING) SHALL BE P.T. GRADE "No. 2 DENSE" SOUTHERN YELLOW PINE (S.Y.P.) OR BETTER. DECKING SHALL BE P.T. GRADE "No. 1 DENSE" S.Y.P.
7. STRUCTURAL BEAMS AT T-HEAD SHALL BE MARINE GRADE GLU-LAMS MANUFACTURED BY "Anthony-PPG" OR F.R.P. EXTREN 625 C-CHANNELS MANUFACTURED BY "STRONGWELL".
8. WEIGHTED TURBIDITY CURTAIN SHALL BE PLACED AROUND EACH SEGMENT DURING DEMOLITION AND PILE DRIVING OPERATIONS AND MAINTAINED SUCH THAT TURBIDITY WILL NOT EXCEED 29 NTU ABOVE BACKGROUND BEYOND THE TURBIDITY CONTROL DEVICE.
9. ALL PILING TO BE DRIVEN TO A MINIMUM PENETRATION OF 10' INTO FIRM MATERIAL UNLESS APPROVED BY THE ENGINEER. 13"Ø WOOD PILING TO BE DRIVEN TO A MINIMUM 10-TON BEARING. 12"x12" PRESTRESSED CONCRETE PILING SHALL BE DRIVEN TO A MINIMUM 25-TON BEARING.
10. CONTRACTOR SHALL BE RESPONSIBLE FOR THE TRANSPORTATION, DISPOSAL, AND/OR RECYCLING OF ALL DEMOLITION MATERIALS, AND PAY ALL NECESSARY FEES AND TAXES. REMOVAL AND TRANSPORTATION OF THESE MATERIALS SHALL BE IN ACCORDANCE WITH THE APPROPRIATE LOCAL, STATE, AND FEDERAL AGENCIES HAVING JURISDICTION.
11. CONTRACTOR SHALL PROPERLY MAINTAIN THE CONSTRUCTION SITE TO ENSURE THE SAFETY OF THE PUBLIC AND WORK PERSONNEL AT ALL TIMES DURING CONSTRUCTION, MOB. & DEMOB.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONDITIONS OF THE REGULATORY PERMITS.

### TIDE ELEVATION DATUMS:

N.T.S.



Station: 8722859, HILLSBORO, FL

26° 15.6' N  
80° 05.1' W

DAVID J. SHAN  
11/16/2019

### Sands Harbor Marina

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### NOTES

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BY:	TS	SHEET	13 OF 13