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

REPLY TO
ATTENTION OF

September 12, 2019

Regulatory Division
South Permits Branch
Palm Beach Gardens Permits Section

PUBLIC NOTICE

Permit Application Number SAJ-1998-00346 (SP-KAE)

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 to Section 404 of the Clean Water Act (33 U.S.C. §1344) and Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. §403) as described below:

APPLICANT: Marine Max Stuart Marina
350 SW Monterey Road
Stuart, Martin County, Florida

WATERWAY AND LOCATION: The project would affect waters of the United States associated with the South Fork of the Saint Lucie River. The project site is located at 350 SW Monterey Road, in Section 17, Township 38 S, Range 41 East, in Stuart, within Martin County, Florida.

Directions to the site are as follows: From I-95, take exit 101 from I-95 north bound onto FL-76 E, continue northerly until Monterey Road (SR 714), go west to the foot of the bridge.

APPROXIMATE CENTRAL COORDINATES: Latitude 27.174897°
Longitude -80.258001°

PROJECT PURPOSE:

Basic: The basic project purpose is shoreline stabilization and water access.

Overall: The overall project purpose is shoreline stabilization and water access at a public marina within the Stuart in Martin County, Florida.

EXISTING CONDITIONS: The proposed activities are located in the South Fork of the Saint Lucie River. The shoreline consists of a bulkhead along 400-linear feet and 100-linear feet of riprap. The existing marina consists of five piers totaling 8,432 square feet, which can accommodate 60 vessels with slip sizes ranging from 25 feet to 85 feet. A benthic aquatic resource survey was conducted on 01 and 02 July 2019. Underwater visibility within the survey area ranged from 0 - 0.46 meters (0 - 1.5 feet) and water depths ranged from 0.61 - 2.44 meters (2 - 8 feet). Salinity was measured to be 12 ppt in the Marine Max-South survey area and 13 ppt in the Marine Max- North survey area.

The bottom composition was silty mud substrate with shell fragments and detritus across the survey areas. Bioturbation was identified, suggesting an active infaunal community in the survey areas. Isolated occurrences of rocks with dead and living barnacles, various bivalves, and crabs were found during the survey. An increased presence of shells and shell fragments were found near the shoreline and bulkheads adjacent to the bridge. Dead mussels were found on the bulkhead of the Marine Max-South survey area. The survey showed that there were no seagrasses found during the survey.

PROPOSED WORK: The applicant seeks authorization to 1) remove 8,432 square feet of existing docking structures, 2) install 12,080 square feet of floating docks with 360 square feet of gangways, 3) install a 400-linear foot seawall to be located within 1.5 feet waterward (wetface to wetface) from the existing seawall, 4) install forty four batter piles, 5) install 2,000 square feet of riprap along 100-linear foot shoreline, 6) install thirteen boatlifts, and 7) dredge 13,500 cubic yards of sediment to a depth of minus 5-feet mean low water.

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: "Turbidity screens will be deployed around the perimeter of all demolition, dredging and pile driving activities. Best management practices will be used during demolition, dredging and construction operations."

COMPENSATORY MITIGATION –The applicant has provided the following explanation why compensatory mitigation should not be required: A benthic aquatic resource survey was conducted on 01 and 02 July 2019 and showed that there are no submerged aquatic vegetation, including seagrasses, located within the project boundaries.

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:
The Corps has determined the proposed project may affect, but is not likely to adversely affect the West Indian manatee (*Trichechus manatus*) or its critical habitat. The Corps will request U.S. Fish and Wildlife Service concurrence with this determination pursuant to Section 7 of the Endangered Species Act.

The Corps has determined the proposed project may affect, but is not likely to adversely affect the threatened and endangered swimming sea turtles; loggerhead (*Caretta caretta*), green (*Chelonia mydas*), and Kemp's Ridley *(Lepidochelys kempii*), and the threatened smalltooth sawfish (*Pristis pectinata*) and would not adversely modify their

designated critical habitat. Work will occur in waters accessible to the swimming sea turtles and smalltooth sawfish. Smalltooth sawfish and swimming sea turtles may be affected by being unable to use an area for forage or refuge habitat due to potential avoidance of construction activities. Because these species are motile and likely to leave the area during construction, the risk of injury from this type of construction activity is insignificant. The Corps will request National Marine Fisheries Service concurrence with these determinations pursuant to Section 7 of the Endangered Species Act by separate letter.

The Corps has determined the proposed project will have no effect on threatened Johnson's seagrass (*Halophila johnsonii*), based on a benthic aquatic resource survey conducted on 01 and 02 July 2019 which showed no submerged aquatic vegetation is located within the footprint of the proposed project.

The Corps has determined the proposal would have no effect on the following listed threatened or endangered species or their designated critical habitats: Florida scrub jay (*Aphelocoma coerulescens*), Wood stork (Mycteria americana), Everglade snail kite (*Rostrhamus sociabilis plumbeus*); Audubon's Crested Caracara (*Caracara plancus audubonii*), Florida grasshopper sparrow (*Ammodramus savannarum floridanus*), and red-cockaded woodpecker (*Leuconotopicus borealis*).

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. The proposal would impact approximately 3.11 acres of silty mud substrate with shell fragments utilized by various life stages of penaeid shrimp complex, reef fish, stone crab, spiny lobster, migratory/pelagic fish, and snapper/grouper complex. Our initial determination is that the proposed action would not have a substantial adverse impact on EFH or Federally managed fisheries in the South Atlantic Region. 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 Palm Beach Gardens Permits Section, 4400 PGA Boulevard, Ste 500, 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, Kelly Egan, in writing at the Palm Beach Gardens Permits Section, 4400 PGA Boulevard, Ste 500, Palm Beach Gardens, FL 33410; by electronic mail at Kelly.Egan@usace.army.mil; or, by telephone at (561) 472-3514.

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.

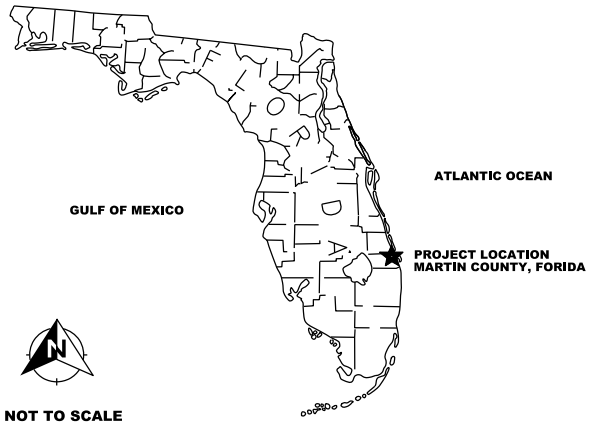
The US Army Corps of Engineers (Corps) is soliciting comments from the public; Federal, State, and local agencies and officials; Indian Tribes; and other Interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps to 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

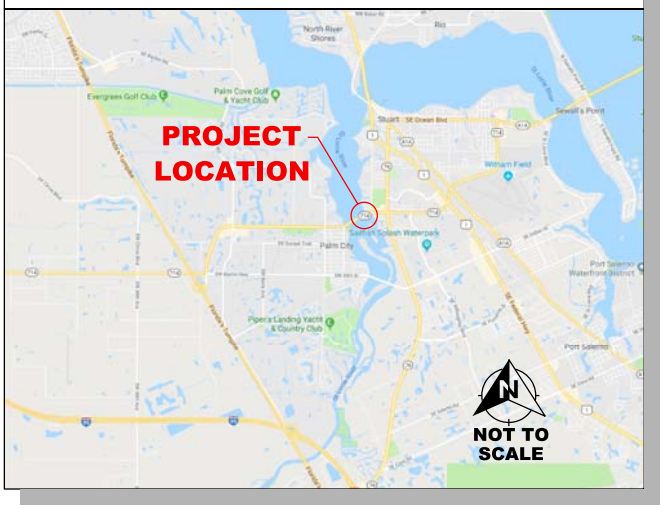
Rico, a Coastal Zone Management Consistency Concurrence is required from the Puerto Rico Planning Board. In the Virgin Islands, the Department of Planning and Natural Resources permit constitutes compliance with the Coastal Zone Management Plan.

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.

LOCATION MAP



VICINITY MAP



FOR PERMITTING PURPOSES ONLY
PLANS NOT TO BE USED FOR CONSTRUCTION

MARINEMAX - STUART
MARINA IMPROVEMENTS

PROJECT LOCATION

350 SW MONTEREY ROAD, STUART
MARTIN COUNTY, FLORIDA

Revisions:

SEA DIVERSIFIED, INC.
Surveying and Engineering Applications

151 NW 1ST AVENUE
Delray Beach, Florida 33444

Date:	**05-18-19**	**Sheet:**
Drawn by:	**W.T.S.**	**C-1**
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Scale:	**N.T.S.**	**SHEET NO: 01** **P.N. 19-2759**

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SHEET INDEX

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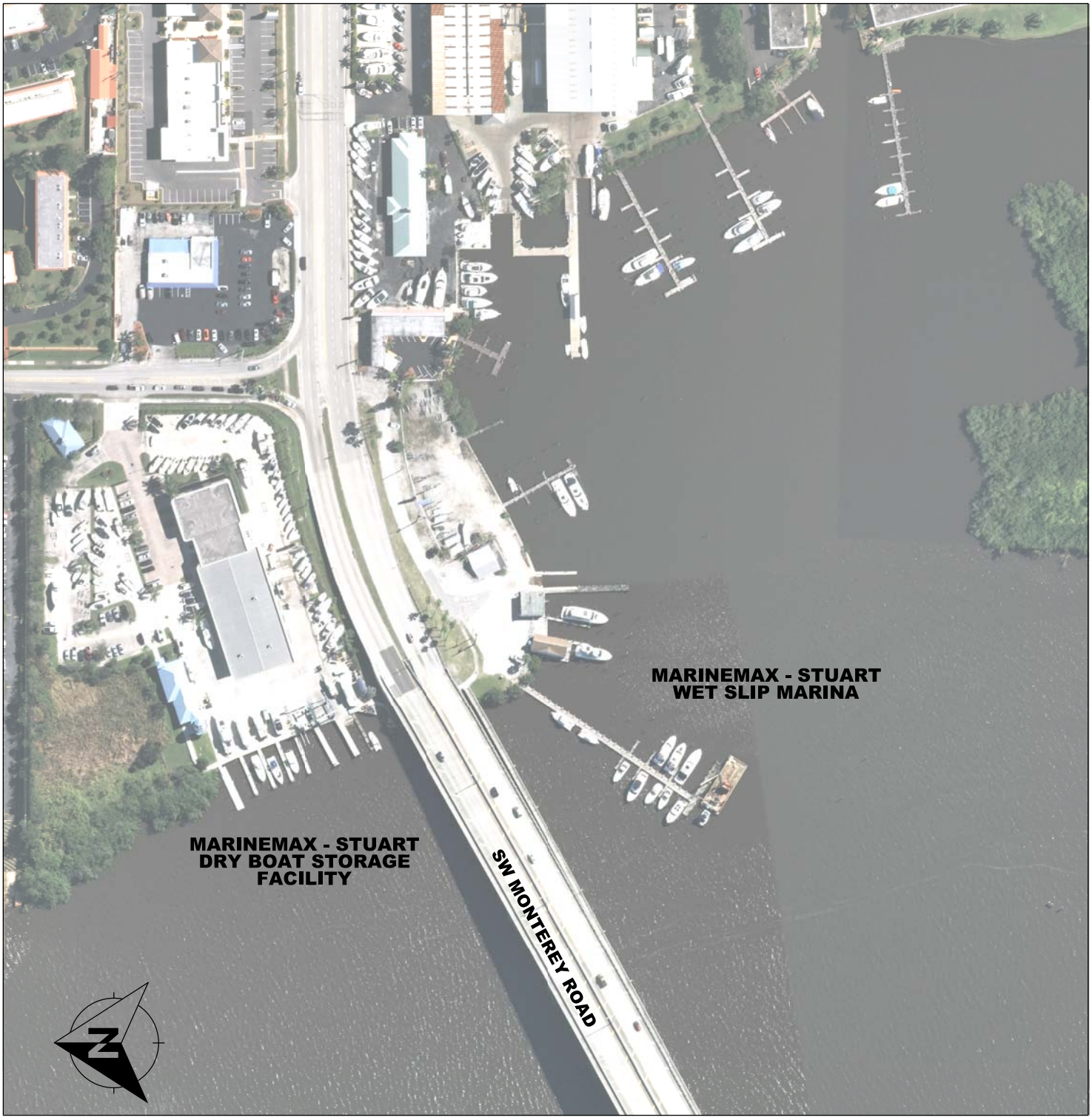

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AERIAL EXHIBIT

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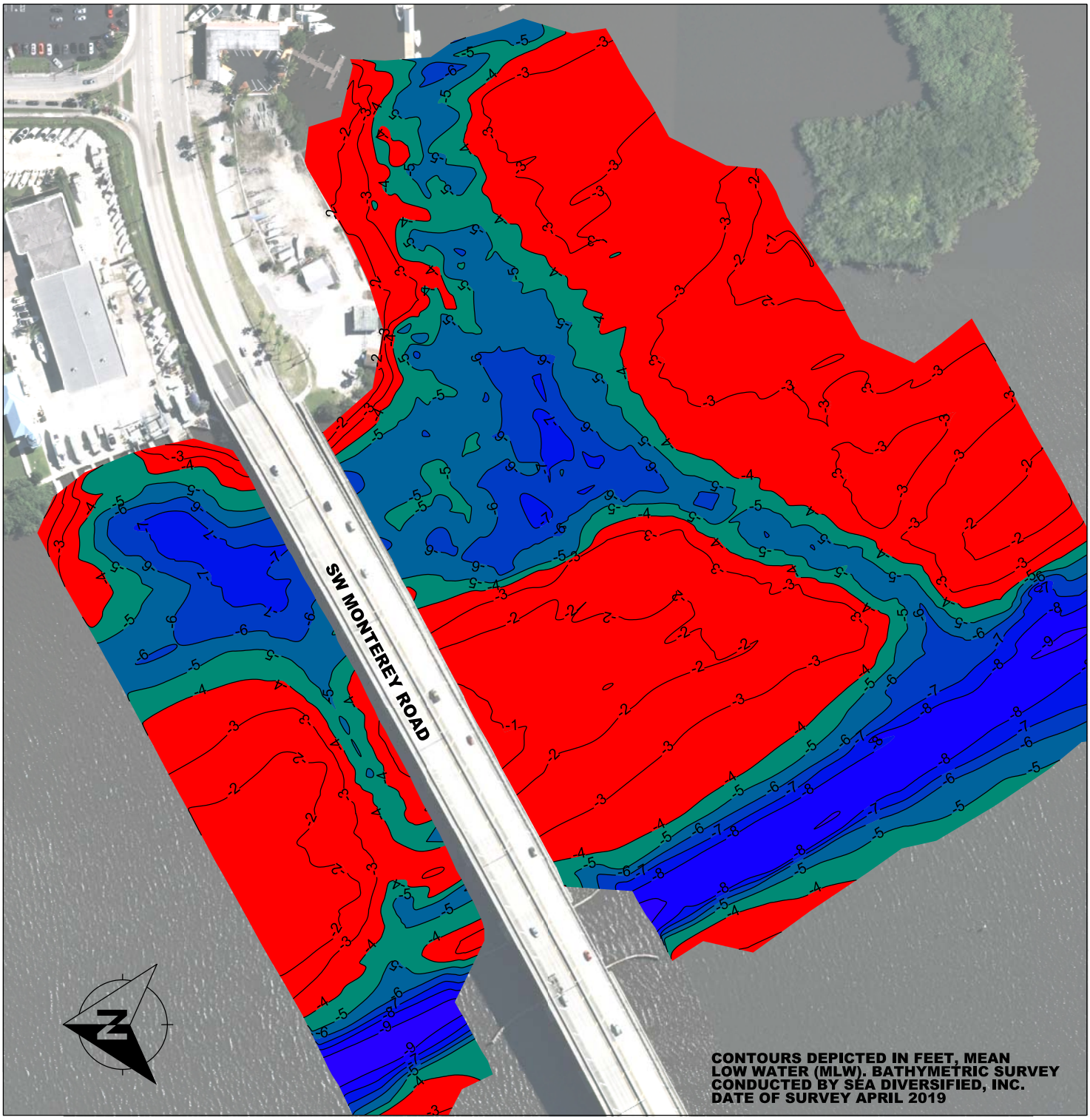

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BATHYMETRY

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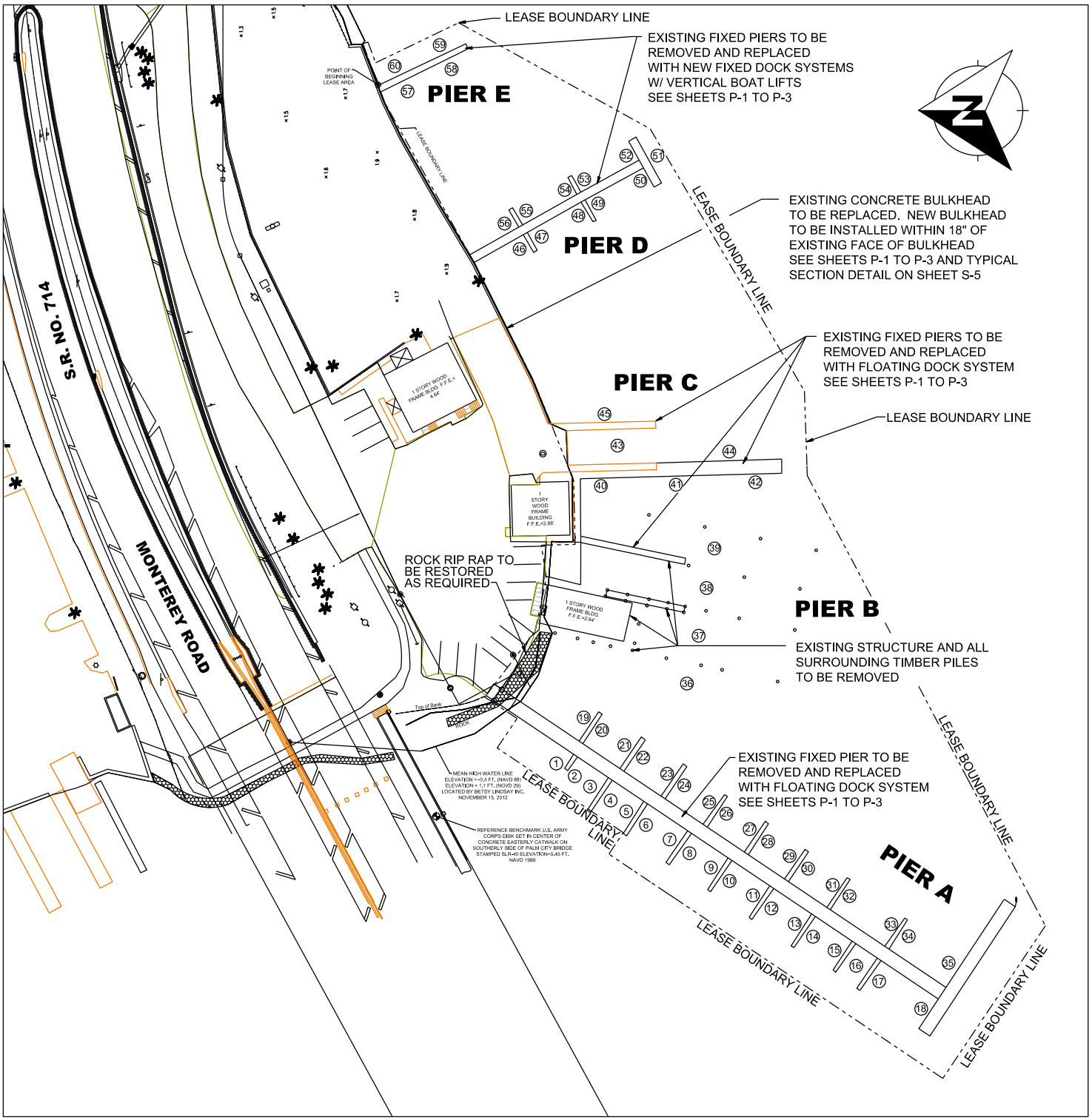

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EXISTING SITE CONDITIONS & DEMOLITION PLAN

350 SW MONTEREY ROAD, STUART
MARTIN COUNTY, FLORIDA

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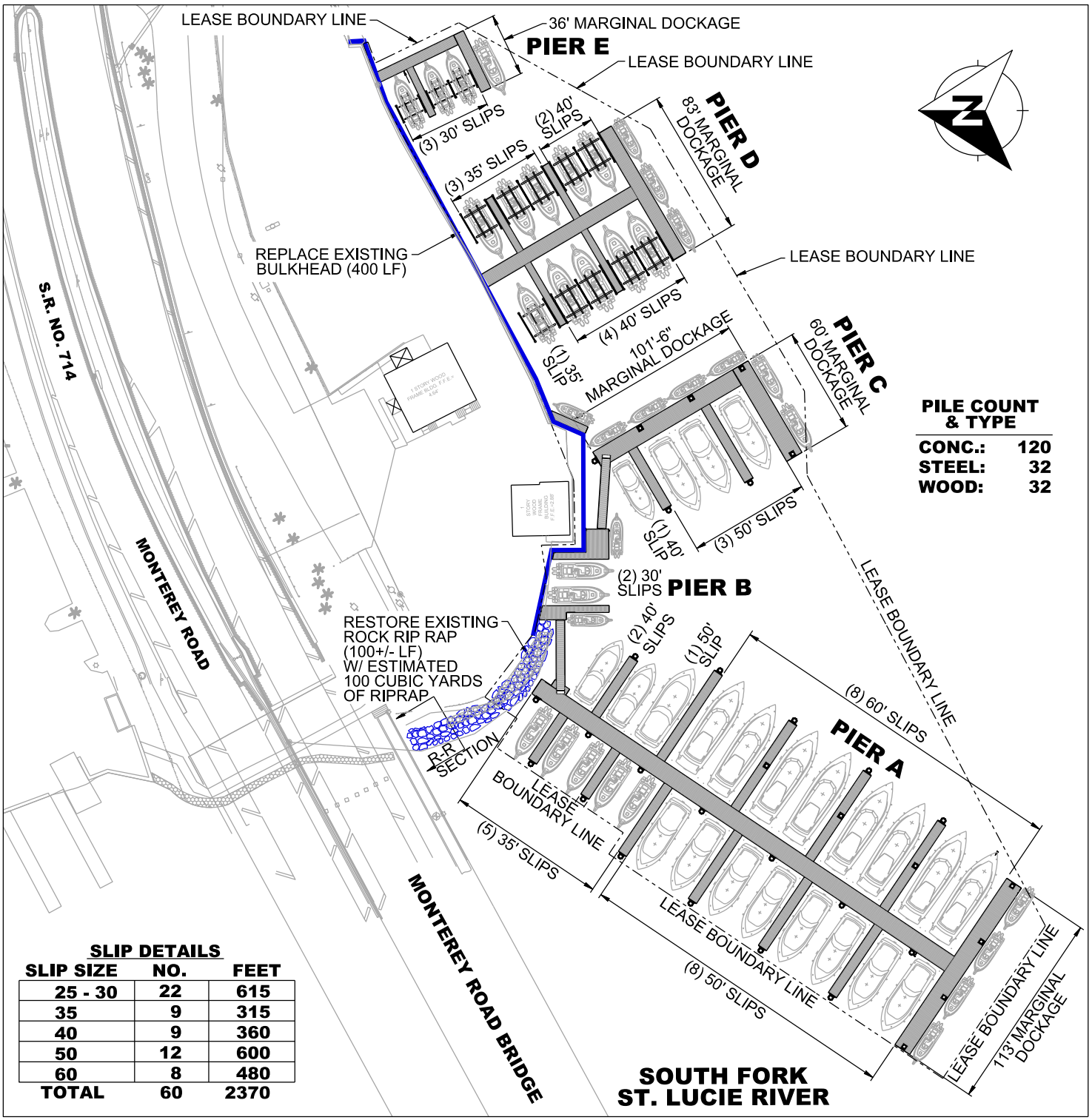

PILE COUNT & TYPE

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STEEL:	32
WOOD:	32

SLIP DETAILS

SLIP SIZE	NO.	FEET
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35	9	315
40	9	360
50	12	600
60	8	480
TOTAL	60	2370

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MARINEMAX - STUART MARINA IMPROVEMENTS

OVERALL SITE PLAN

350 SW MONTEREY ROAD, STUART
MARTIN COUNTY, FLORIDA

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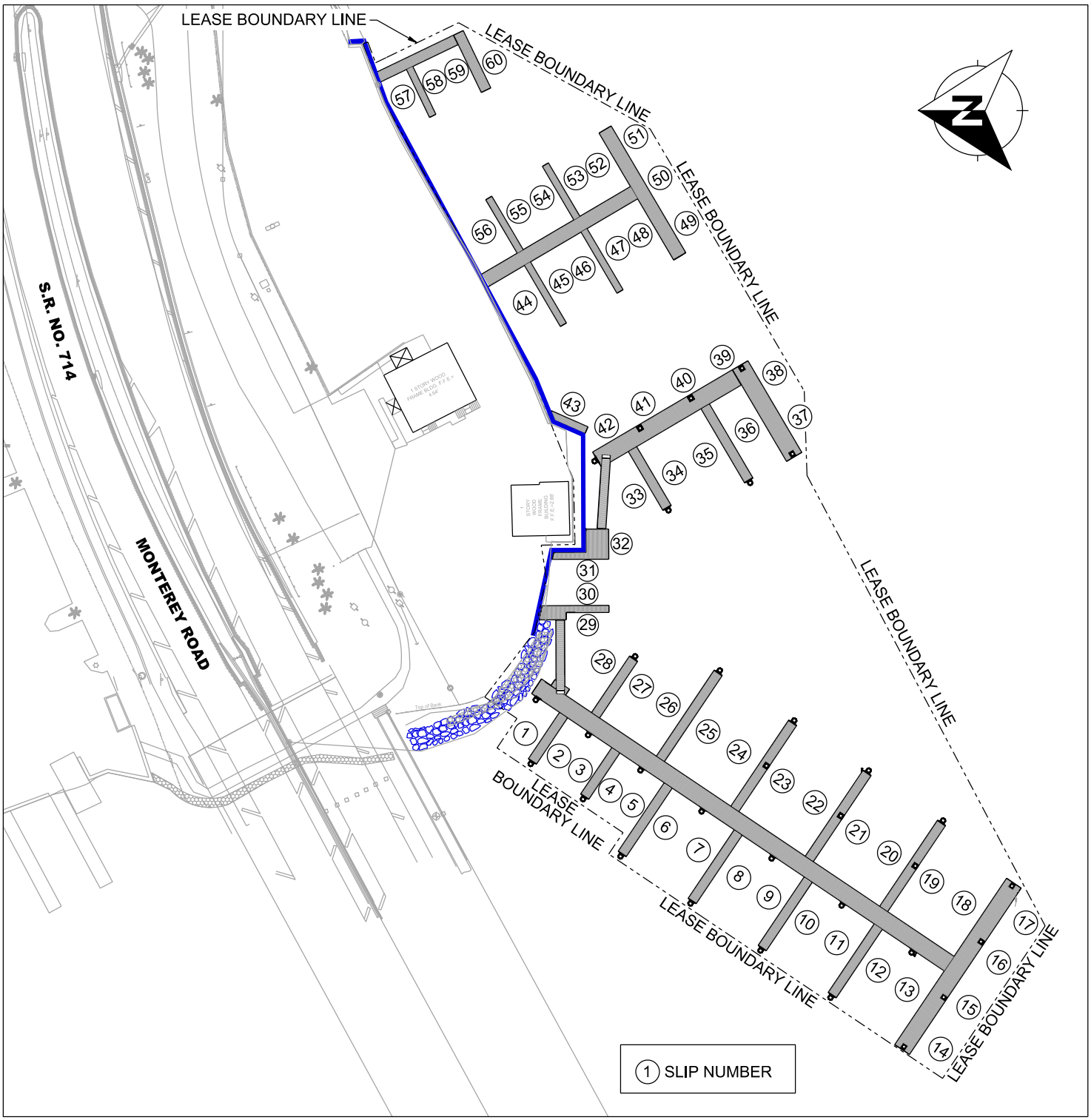

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SLIP DESIGNATION PLAN

350 SW MONTEREY ROAD, STUART
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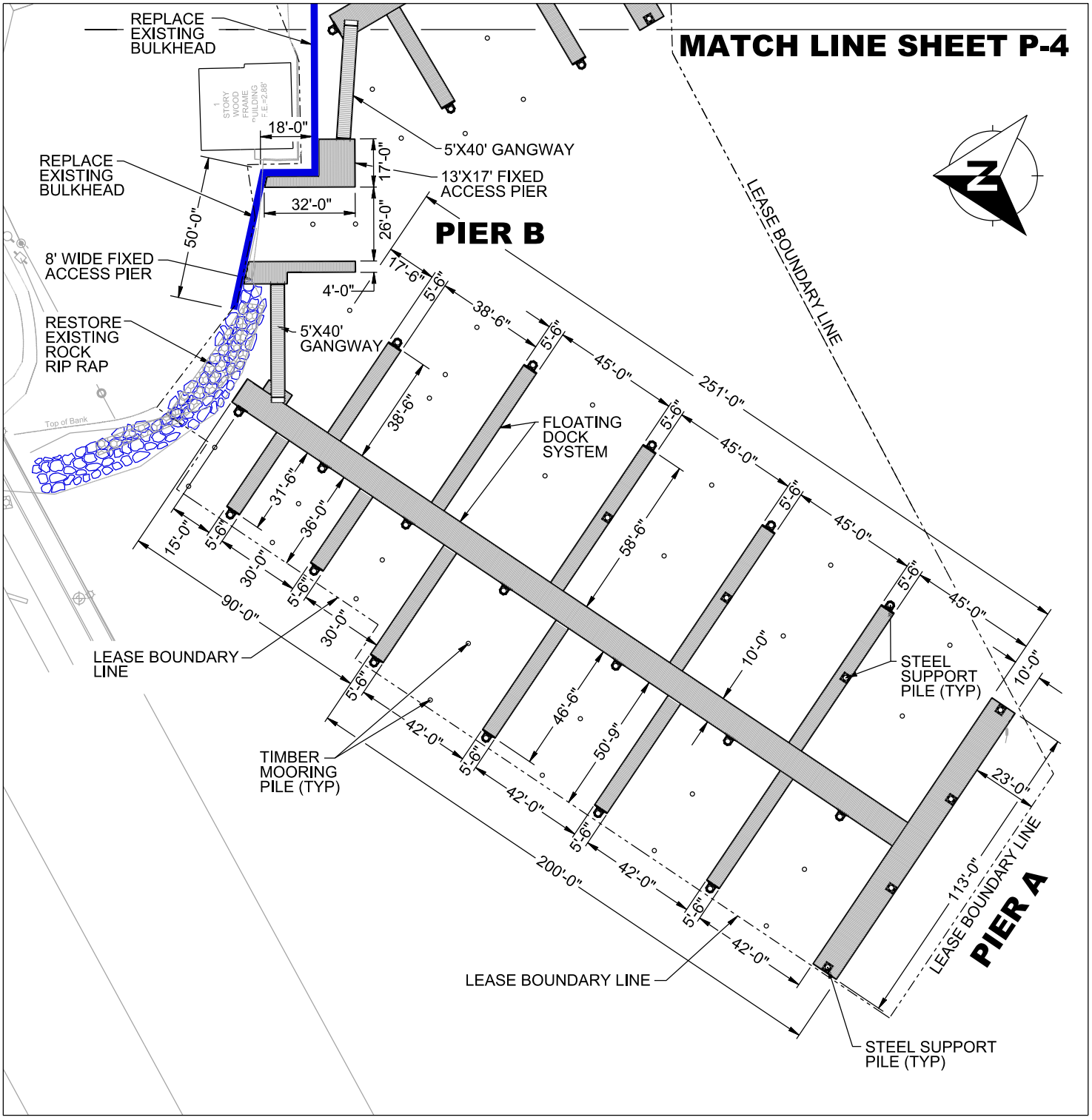

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MARINA IMPROVEMENTS

PIERS A & B PLAN DETAILS

350 SW MONTEREY ROAD, STUART
MARTIN COUNTY, FLORIDA

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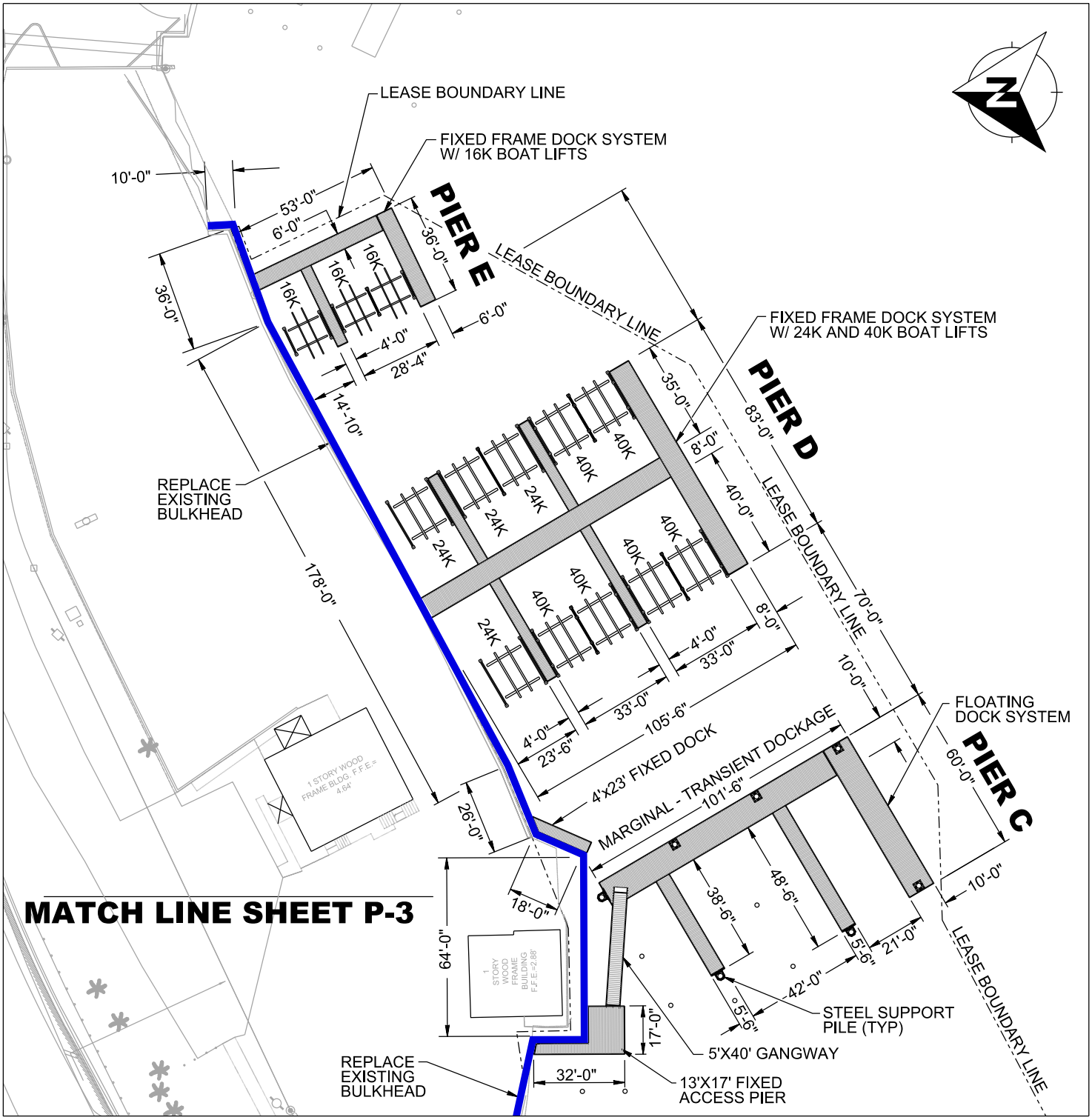

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MARINA IMPROVEMENTS

PIERS C, D AND E PLAN DETAILS

350 SW MONTEREY ROAD, STUART
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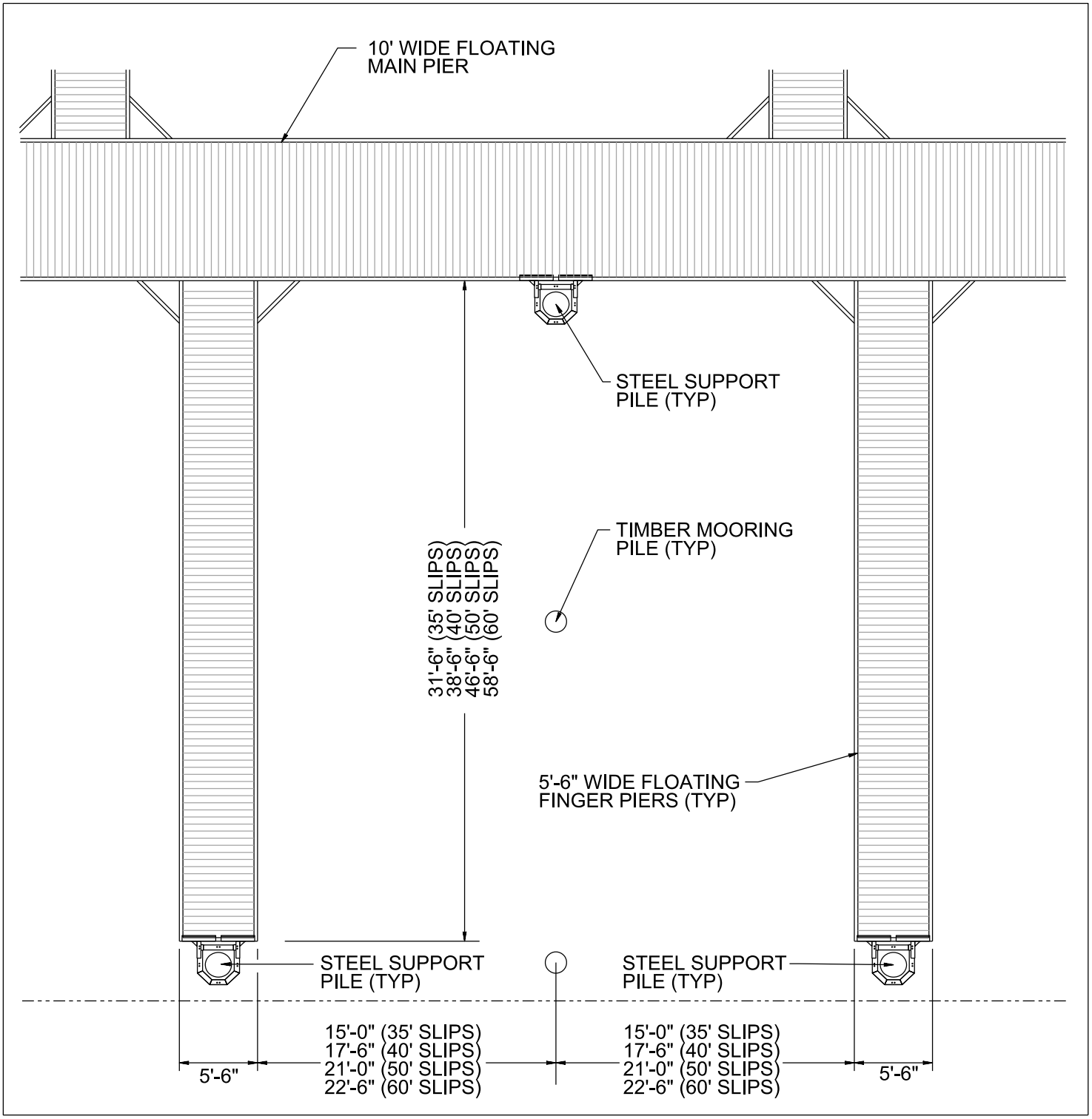

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MARINEMAX - STUART
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TYPICAL SLIP DETAIL FLOATING DOCKS

350 SW MONTEREY ROAD, STUART
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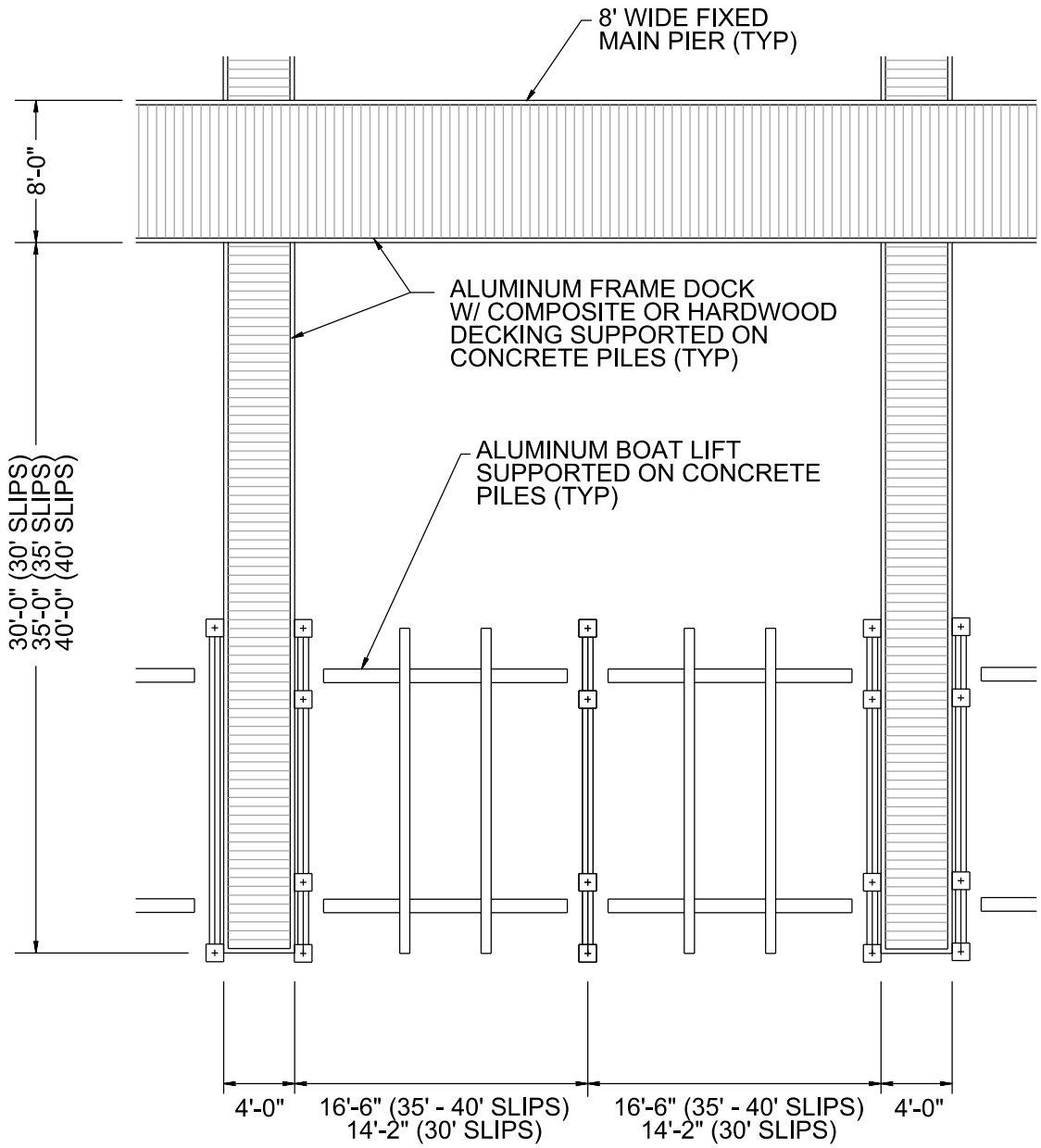

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PLANS NOT TO BE USED FOR CONSTRUCTION

MARINEMAX - STUART
MARINA IMPROVEMENTS

TYPICAL SLIP DETAIL FIXED DOCKS

350 SW MONTEREY ROAD, STUART
MARTIN COUNTY, FLORIDA

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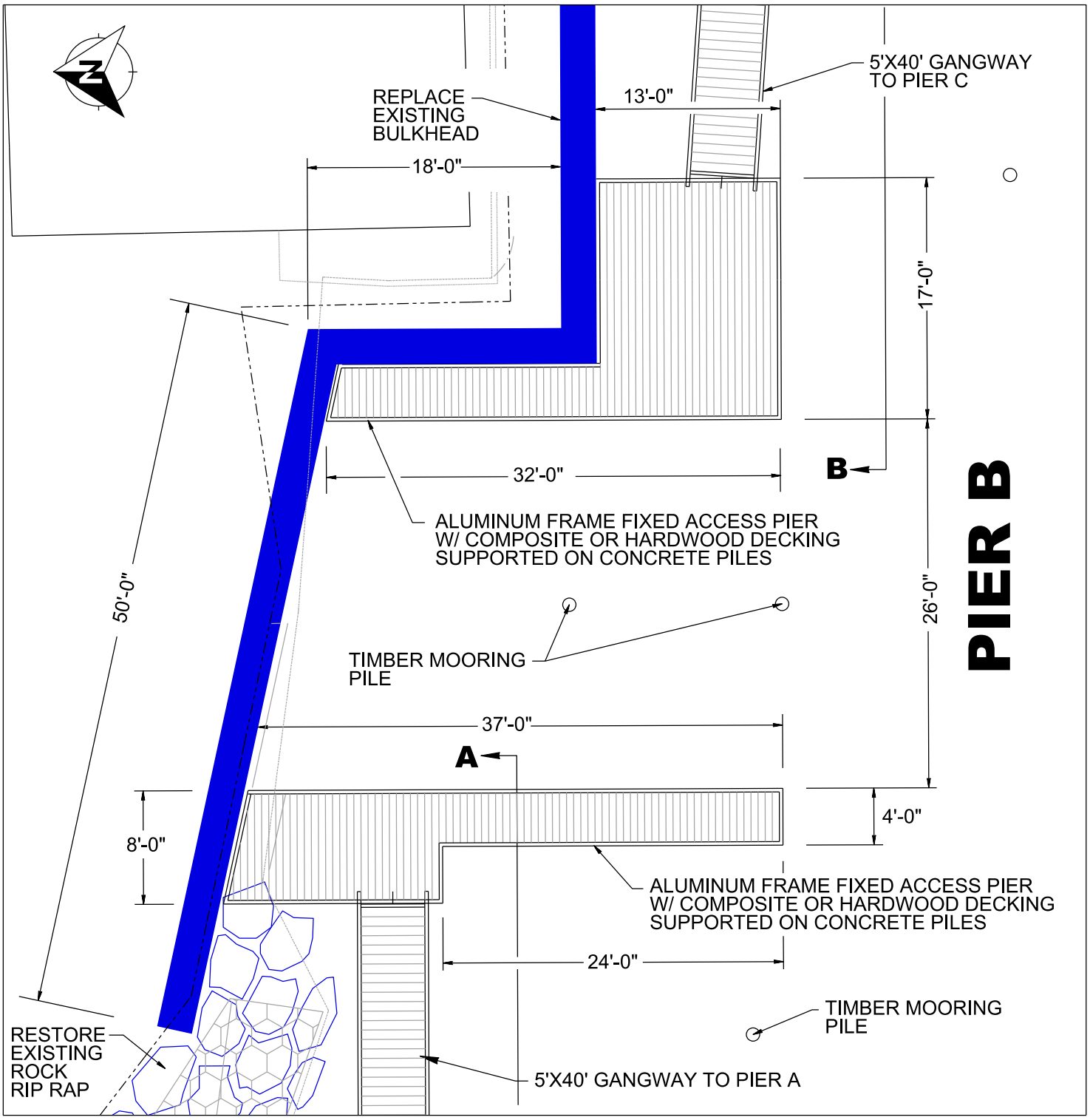

FOR PERMITTING PURPOSES ONLY
PLANS NOT TO BE USED FOR CONSTRUCTION

MARINEMAX - STUART
MARINA IMPROVEMENTS

PIER B DETAILS

350 SW MONTEREY ROAD, STUART
MARTIN COUNTY, FLORIDA

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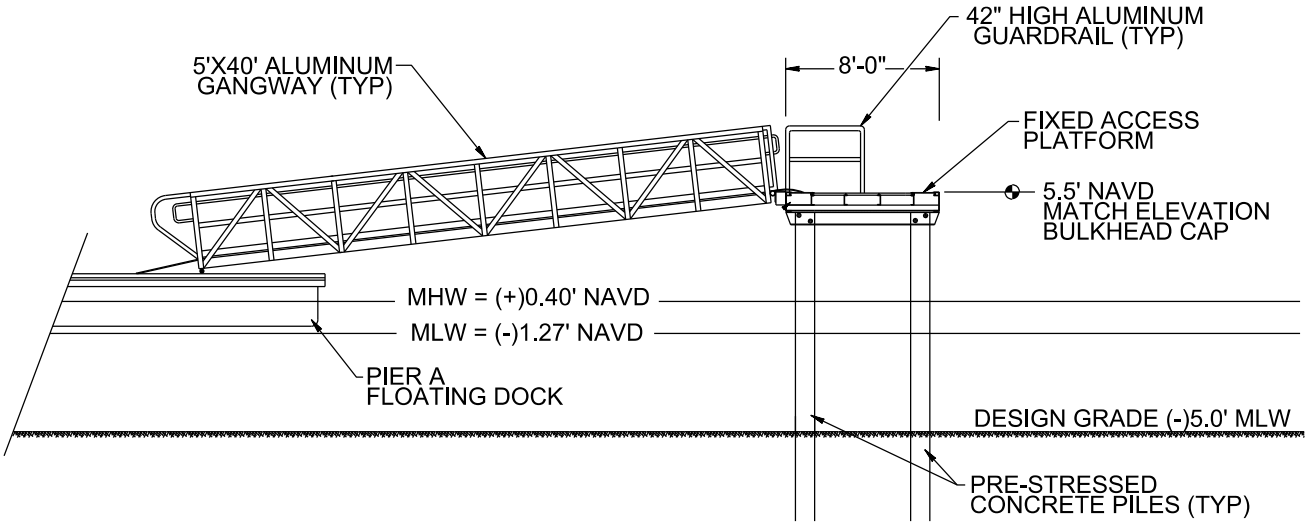
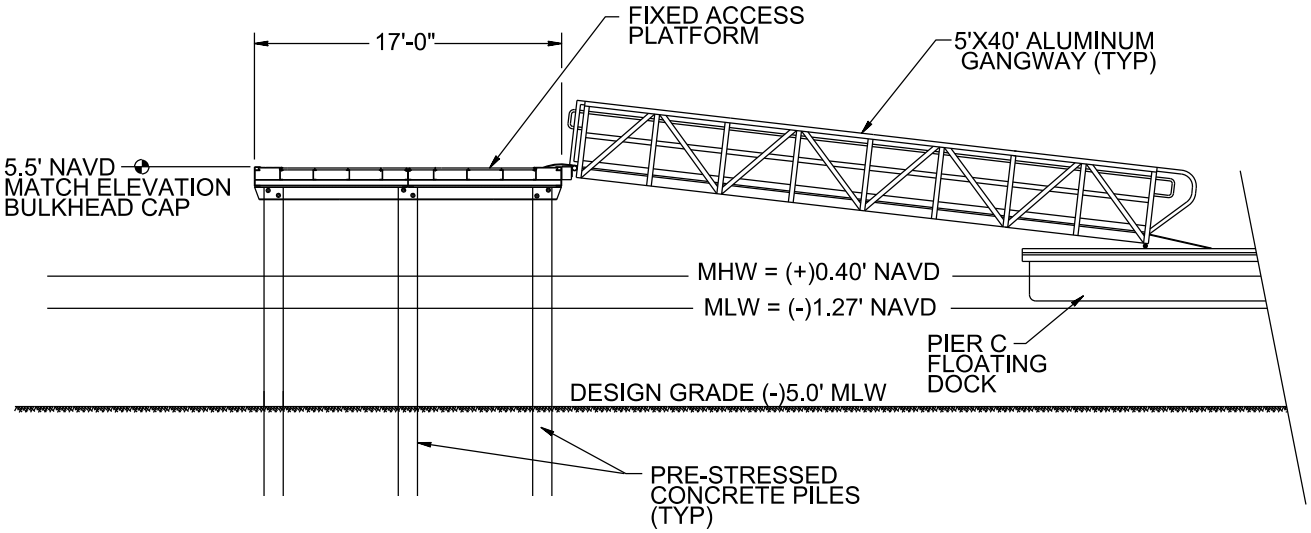


ELEVATION DETAIL A - A
ACCESS PLATFORM & GANGWAY TO PIER A

SCALE: 1"=10'



ELEVATION DETAIL B - B
ACCESS PLATFORM & GANGWAY TO PIER C

SCALE: 1"=10'

FOR PERMITTING PURPOSES ONLY
PLANS NOT TO BE USED FOR CONSTRUCTION

MARINEMAX - STUART
MARINA IMPROVEMENTS

SECTIONS A-A & B-B ACCESS PLATFORM & GANGWAY DETAILS

350 SW MONTEREY ROAD, STUART
MARTIN COUNTY, FLORIDA

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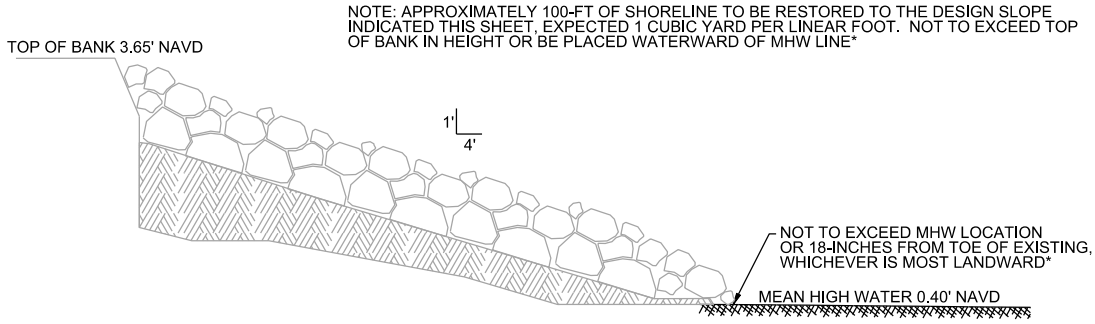
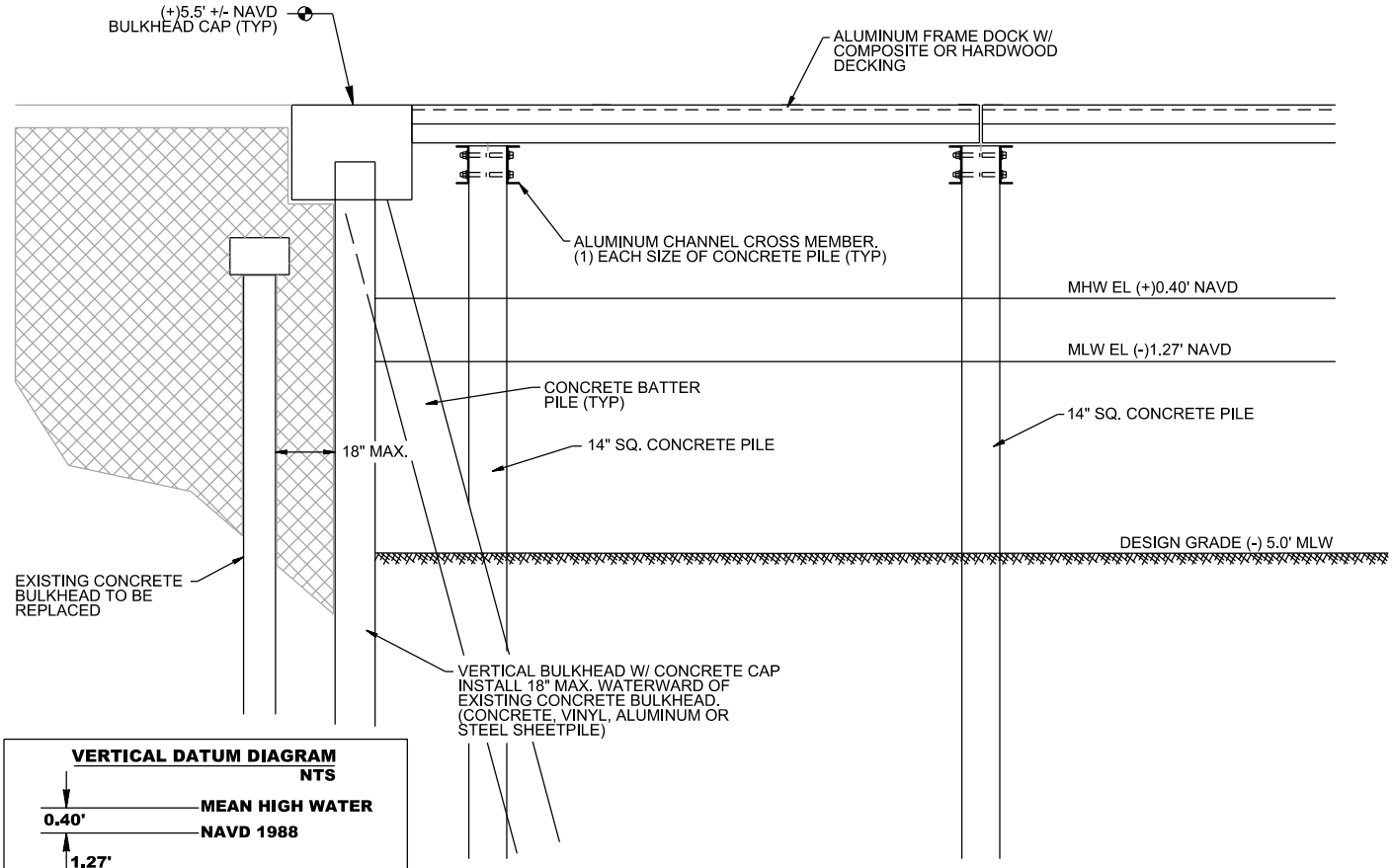
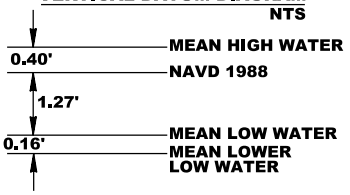


SECTION R-R
TYPICAL RIPRAP
RESTORATION DETAILS



VERTICAL DATUM DIAGRAM
NTS



LABINS: TIDE INTERPOLATION POINT ID 985
MARTIN COUNTY, FL

SECTION C-C
TYPICAL BULKHEAD
REPLACEMENT DETAILS

FOR PERMITTING PURPOSES ONLY
PLANS NOT TO BE USED FOR CONSTRUCTION

MARINEMAX - STUART
MARINA IMPROVEMENTS

SECTION C-C TYPICAL BULKHEAD DETAIL

350 SW MONTEREY ROAD, STUART
MARTIN COUNTY, FLORIDA

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SEA DIVERSIFIED, INC.
Surveying and Engineering Applications
151 NW 1ST AVENUE
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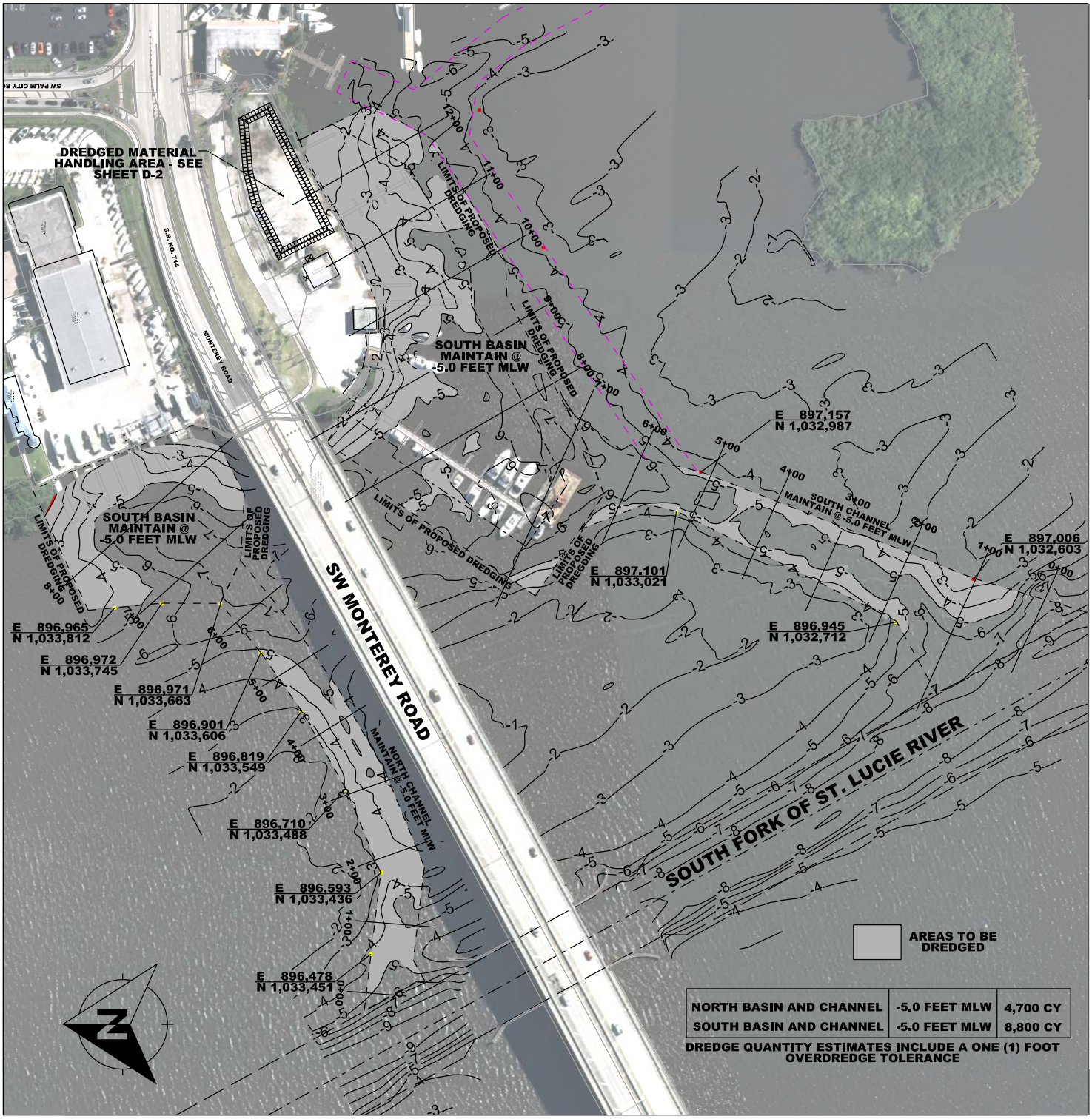
Checked by:	**W.T.S.**	
Scale:	**1"=5'**	**SHEET NO: 14** **P.N. 19-2759**



NORTH BASIN AND CHANNEL	-5.0 FEET MLW	4,700 CY
SOUTH BASIN AND CHANNEL	-5.0 FEET MLW	8,800 CY

DREDGE QUANTITY ESTIMATES INCLUDE A ONE (1) FOOT OVERDREDGE TOLERANCE

CONTOURS DEPICTED IN FEET, MEAN LOW WATER (MLW).
BATHYMETRIC SURVEY CONDUCTED BY SEA DIVERSIFIED, INC.
DATE OF SURVEY APRIL 2019

FOR PERMITTING PURPOSES ONLY
PLANS NOT TO BE USED FOR CONSTRUCTION

MARINEMAX - STUART MARINA IMPROVEMENTS

DREDGE PLAN

350 SW MONTEREY ROAD, STUART
MARTIN COUNTY, FLORIDA

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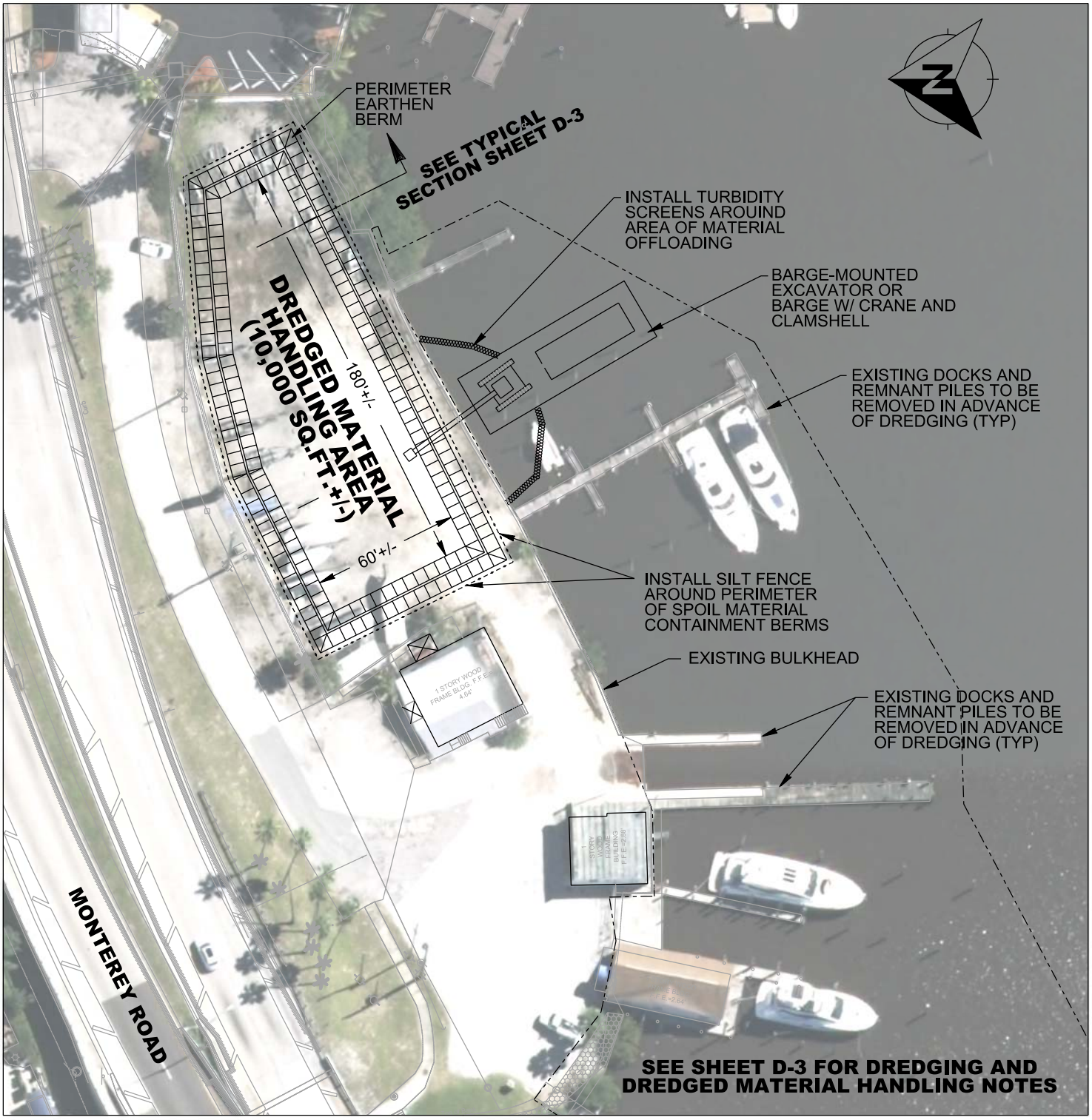
Marinemax.SH15.D-1.DREDGE PLAN.05.17.19.dgn 6/18/2019 8:41:40 AM SEA DIVERSIFIED INC.



FOR PERMITTING PURPOSES ONLY
PLANS NOT TO BE USED FOR CONSTRUCTION

MARINEMAX - STUART
MARINA IMPROVEMENTS

DREDGED MATERIAL HANDLING PLAN

350 SW MONTEREY ROAD, STUART
MARTIN COUNTY, FLORIDA

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SEA DIVERSIFIED, INC.
Surveying and Engineering Applications

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Scale:	**1"=60'**	**SHEET NO: 16** **P.N. 19-2759**

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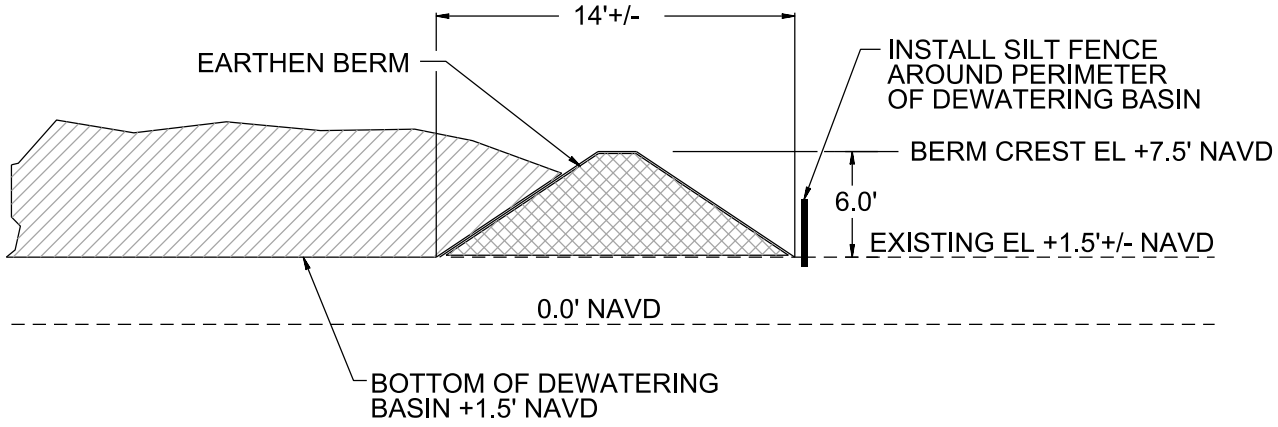

TYPICAL SECTION DETAIL
DREDGED MATERIAL HANDLING BASIN

NOTES:

1. CONTRACTOR TO COMPLY WITH CONDITIONS OF THE FDEP AND USACE PERMITS REGARDING DREDGING, TEMPORARY DREDGED MATERIAL HANDLING AND FINAL DREDGED MATERIAL DISPOSAL. DREDGING SHALL BE CONDUCTED VIA MECHANICAL METHODS IN STRICT ACCORDANCE WITH APPROVED TURBIDITY CONTROL MEASURES AND TURBIDITY MONITORING REQUIREMENTS.
2. LOCATION AND SIZE OF TEMPORARY DREDGED MATERIAL HANDLING AREAS DEPICTED, HEREON ARE CONCEPTUAL AND MAY BE MODIFIED BY THE DREDGE CONTRACTOR'S MEANS AND METHODS. CONTRACTOR TO COORDINATE WITH THE OWNER OR AUTHORIZED REPRESENTATIVE OF THE OWNER REGARDING A DESIGNATED LOCATION FOR TEMPORARY DREDGED MATERIAL HANDLING AND STOCKPILING.
3. DREDGE CONTRACTOR SHALL STOCKPILE MATERIAL ONSITE OR TRANSPORT MATERIAL, ALL OR IN PART, TO AN APPROVED OFFSITE LOCATION AS DIRECTED BY THE OWNER OR AUTHORIZED REPRESENTATIVE OF THE OWNER.
4. CONTRACTOR SHALL COORDINATE WITH THE COUNTY OR OTHER LOCAL AUTHORITY REGARDING MAXIMUM HEIGHT OF MATERIAL STOCKPILING.
5. THE DEWATERING BASIN SHALL BE USED FOR TEMPORARY HANDLING OF DREDGED MATERIAL FROM THE EXISTING MARINA BASIN AND THE NORTH AND SOUTH CHANNELS.
6. CONTRACTOR TO CONDUCT DREDGE OPERATIONS FOLLOWING BEST MANAGEMENT PRACTICES.

FOR PERMITTING PURPOSES ONLY
PLANS NOT TO BE USED FOR CONSTRUCTION

MARINEMAX - STUART
MARINA IMPROVEMENTS

DREDGED MATERIAL HANDLING BASIN DETAILS & DREDGING NOTES

350 SW MONTEREY ROAD, STUART
MARTIN COUNTY, FLORIDA

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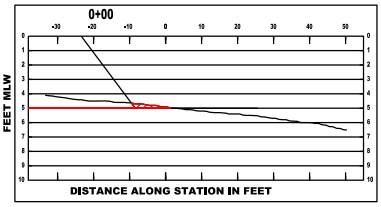

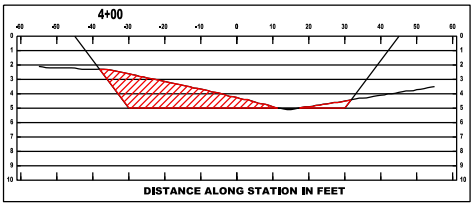

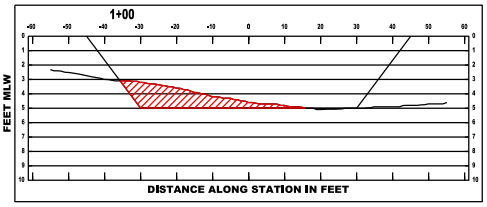

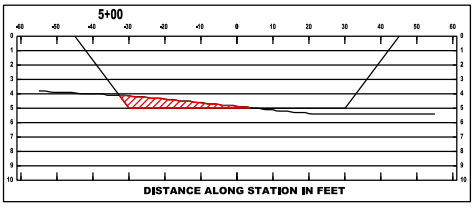

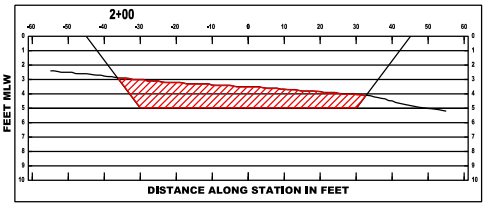

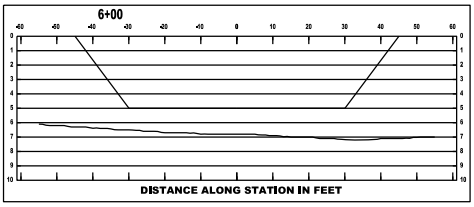

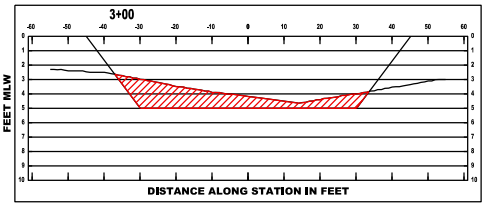

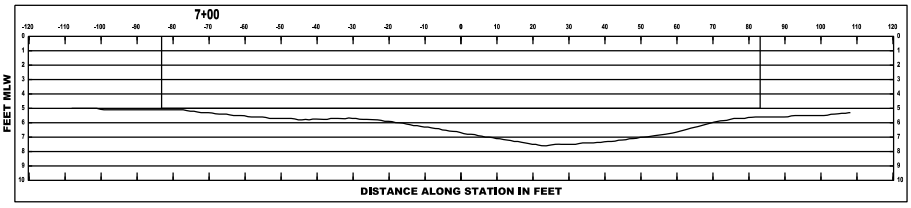

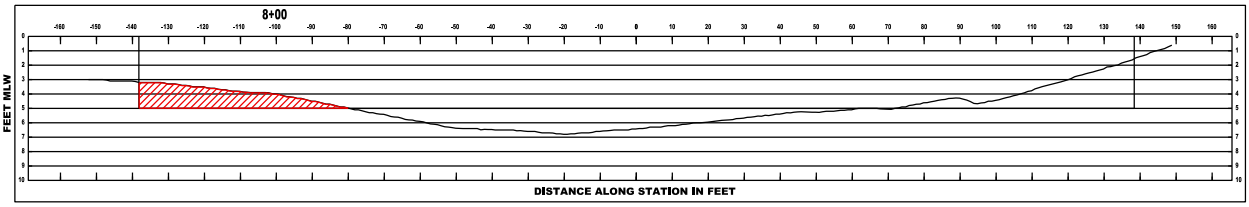

NOTE: REFERENCE SHEET D-1 FOR NORTH CROSS SECTION LOCATIONS, DEPTHS ARE RELATIVE TO MLW. THE ZERO STATION RELECTS THE CENTERLINE OF THE CHANNEL, NEGATIVE VALUES ALONG STATION ARE NORTHERLY, POSITIVE VALUES SOUTHERLY.

AREA OF PROPOSED DREDGING

FOR PERMITTING PURPOSES ONLY
PLANS NOT TO BE USED FOR CONSTRUCTION

MARINEMAX - STUART
MARINA IMPROVEMENTS

NORTH DREDGE CROSS SECTIONS

350 SW MONTEREY ROAD, STUART
MARTIN COUNTY, FLORIDA

Revisions:

SEA DIVERSIFIED, INC.
Surveying and Engineering Applications

151 NW 1ST AVENUE
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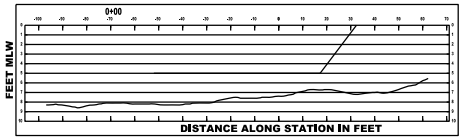

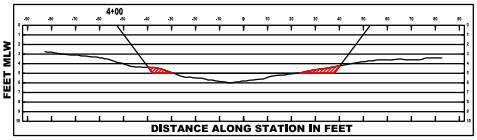

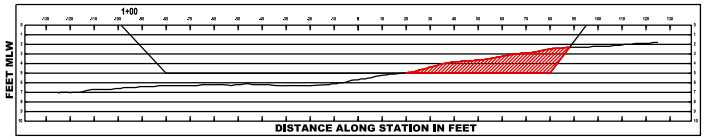

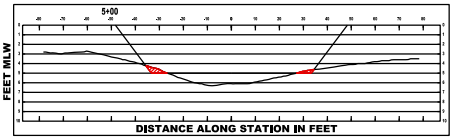

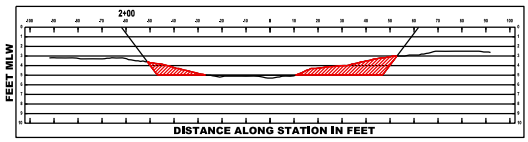

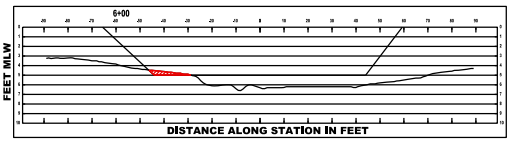

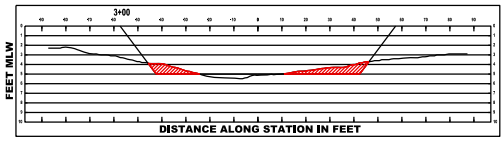

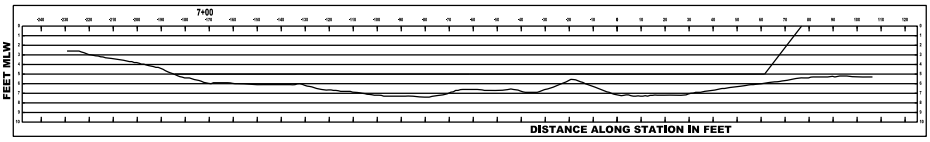

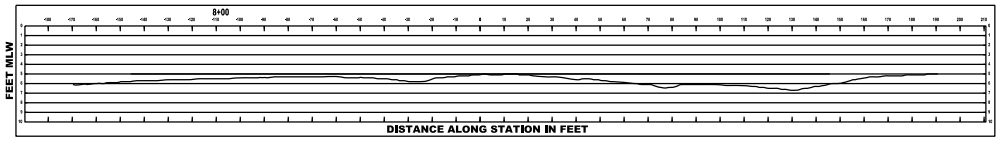

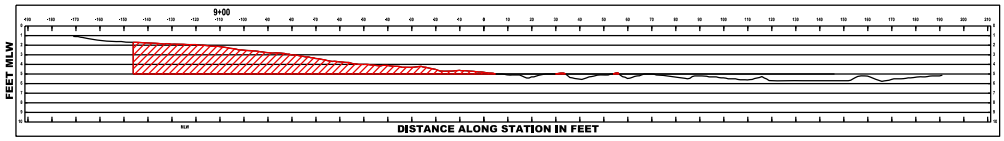

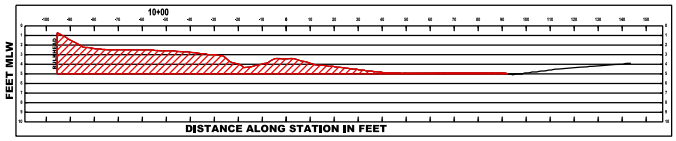

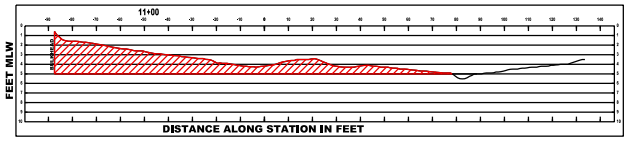

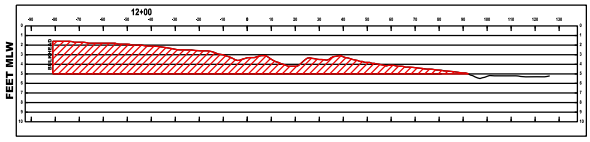

NOTE: REFERENCE SHEET D-1 FOR SOUTH CROSS SECTION LOCATIONS, DEPTHS ARE RELATIVE TO MLW. THE ZERO STATION RELECTS THE CENTERLINE OF THE CHANNEL, NEGATIVE VALUES ALONG STATION ARE NORTHERLY, POSITIVE VALUES SOUTHERLY.

AREA OF PROPOSED DREDGING

FOR PERMITTING PURPOSES ONLY
PLANS NOT TO BE USED FOR CONSTRUCTION

MARINEMAX - STUART
MARINA IMPROVEMENTS

SOUTH DREDGE CROSS SECTIONS

350 SW MONTEREY ROAD, STUART
MARTIN COUNTY, FLORIDA

Revisions:

SEA DIVERSIFIED, INC.
Surveying and Engineering Applications
151 NW 1ST AVENUE
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STRUCTURE AREA OVER WATER
EXISTING VS. PROPOSED

DESCRIPTION	EXISTING MAIN (SQ.FT.)	EXISTING FINGERS (SQ.FT.)	EXISTING ACCESS (SQ.FT.)
PIER A	3152	850	48
PIER B	1078	480	428
PIER C	1252	NA	148
PIER D	685	120	NA
PIER E	191	NA	NA
TOTAL	6358	1450	624

DESCRIPTION	PROPOSED MAIN (SQ.FT.)	PROPOSED FINGERS (SQ.FT.)	PROPOSED ACCESS (SQ.FT.)
PIER A	3930	2868	NA
PIER B	NA	NA	503
PIER C	1515	560	NA
PIER D	1440	640	NA
PIER E	504	120	NA
TOTAL	7389	4188	503

NOTE: ACCESS REFERS TO FIXED PIER ACCESS PLATFORMS, PIER B AS NOTED SERVES ACCESS TO PIERS A & C. MAIN INCLUDES TERMINAL PIER AREA.

SUMMARY EXISTING	
PIERS A, B, C, D, E AREA	8432 SQ.FT.
ORIGINAL DOCKS TO REMAIN	0 SQ.FT.
ORIGINAL DOCKS TO BE REMOVED	8432 SQ.FT.
TOTAL STRUCTURE AREA	8432 SQ.FT.

SUMMARY PROPOSED	
PIERS A, B, C, D, E AREA	12080 SQ.FT.
ORIGINAL DOCKS TO REMAIN	0 SQ.FT.
ORIGINAL DOCKS TO BE REMOVED	8432 SQ.FT.
TOTAL STRUCTURE AREA	12080 SQ.FT.

NOTE: AREAS OVER WATER DO NOT INCLUDE GANGWAYS, COMBINED GANGWAY AREAS 360 SQUARE FEET OVER WATER.

SLIP SUMMARY
EXISTING VS. PROPOSED

DESCRIPTION	EXISTING SLIP SIZE	EXISTING NO.	EXISTING LF.
PIER A	35-55	35	1575
PIER B	55-85	4	280
PIER C	25-35	6	180
PIER D	35	10	350
PIER E	25	4	100
MARGINAL (D)		1	
TOTAL		60	2485

DESCRIPTION	PROPOSED SLIP SIZE	PROPOSED NO.	PROPOSED LF.
PIER A	35-60	24	1185
PIER B	30	2	60
PIER C	40-50	4	190
PIER D	35-40	10	380
PIER E	30	3	90
MARGINAL		17	465
TOTAL		60	2370

FOR PERMITTING PURPOSES ONLY
PLANS NOT TO BE USED FOR CONSTRUCTION

MARINEMAX - STUART
MARINA IMPROVEMENTS

EXISTING VS PROPOSED AREA OVER WATER

350 SW MONTEREY ROAD, STUART
MARTIN COUNTY, FLORIDA

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Construction Methodology Plan

MarineMax Marina Improvements
Stuart, Martin County, Florida

Demolition, Construction and Dredging

Demolition, construction and dredging activities shall be conducted using barge-based and land-based mechanical equipment. The draft of the barge, tug boat and/or push boat is not expected to exceed four (4) feet. Piles shall be installed using mechanical pile driving equipment with minimum water jetting techniques in an effort to minimize disturbance of the bottom. Turbidity screens will be installed around the periphery of barge-based operations during demolition, construction and dredging activities.

All demolition debris shall be removed and transferred by barge to a designated construction staging area located immediately behind the bulkhead and within the existing parking lot. All demolition debris shall be loaded onto trucks and transported to an acceptable offsite disposal site.

Dredging shall be conducted by barge-mounted excavator or barge with crane and clamshell. Dredged material shall be transported by barge and temporarily stockpiled at a designated location on property, landwad of the bulkhead. Offloaded dredged material will be contained within berms and siltation fences to prohibit any loss of material back to the marina basin. Once the material has dried, it will be relocated and stockpiled to another location onsite to support future development or will be transported offsite to an approved upland location. Upon completion of demolition, construction and dredging, the upland staging area will be restored to its pre-construction condition.

FOR PERMITTING PURPOSES ONLY
PLANS NOT TO BE USED FOR CONSTRUCTION

MARINEMAX - STUART
MARINA IMPROVEMENTS

CONSTRUCTION METHODS

350 SW MONTEREY ROAD, STUART
MARTIN COUNTY, FLORIDA

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Surveying and Engineering Applications

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