



16591/2421
January 10, 2020

PUBLIC NOTICE (02-20)

All interested parties are notified that the Commander, Seventh Coast Guard District has received an application from the State of Florida, Department of Transportation, (FDOT) requesting approval of the location and plans for the construction of a bridge over a navigable waterway of the United States.

WATERWAY AND LOCATION: Atlantic Intracoastal Waterway (AICW) mile 1004.8, (Loxahatchee River) on State Road 5/US1 Highway at Jupiter, Palm Beach County, FL. Lat/Long: 26°56'50.1"N 80°05'05.7"W (26.947249, -80.084907).

CHARACTER OF WORK: The project proposes replacing the existing SR-5/US1 Hwy bascule bridge with a higher level bascule bridge, consisting of four 11 foot traffic lanes, including 8 foot shoulders on both sides to accommodate a 7 foot wide bicycle lane and 8 foot sidewalks on both sides. The overall length of the bridge structure will be approximately 915 feet long (abutment to abutment). The out-to-out width of the proposed high-level fixed bridge structure will be approximately 100 feet.

MINIMUM NAVIGATIONAL CLEARANCES:

Existing Clearances

Horizontal:

90 feet between face of fenders
Normal to channel axis

Vertical:

16.7 feet above Mean High Water (draw closed)
Unlimited vertical (draw opened)

Proposed Clearance

Horizontal

125 feet between face of fenders
Normal to the channel axis

Vertical

40.0 feet above Mean High Water (closed)
Unlimited vertical (draw opened)

ENVIRONMENTAL CONSIDERATIONS:

The FDOT as the lead federal agency through National Environmental Policy Act (NEPA) assignment has made a determination that the proposed project is a Categorical Exclusion (CATEX) for purposes of NEPA; FDOT CATEX dated MAR 2019. The Coast Guard made a tentative determination the project qualifies as a CATEX because it satisfies criteria for such actions listed in the Coast Guard's NEPA Implementing Instructions.

The bridge is located in the floodplain. The 100-year flood elevation is 7.8 ft. and the bridge low member elevation is approximately 38.0 feet; elevations are referenced to NAVD 88 datum. The South Florida Water Management District (SFWMD) is the certifying agency for Water Quality Certification application was applied for DEC 2019.

Anticipated Impacts to Navigation during Construction:

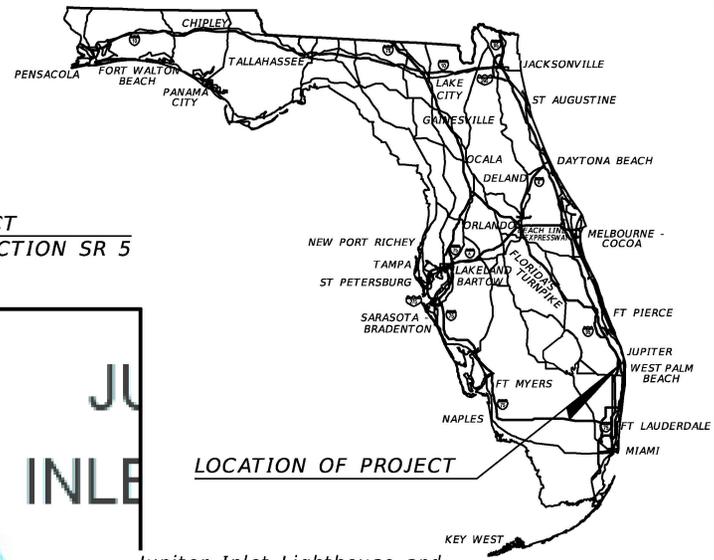
Details of in-water construction activities which may impact navigation in the vicinity bridge site, will be published in the Coast Guard's Local Notice to Mariners (LNM). To subscribe to the Coast Guard LNM and other free Coast Guard navigation notification services, please visit <http://www.navcen.uscg.gov/> under "Subscribe / Report (free)" select the notifications you wish to receive; note this project is located in the Seventh Coast Guard District area

SOLICITATION OF COMMENTS:

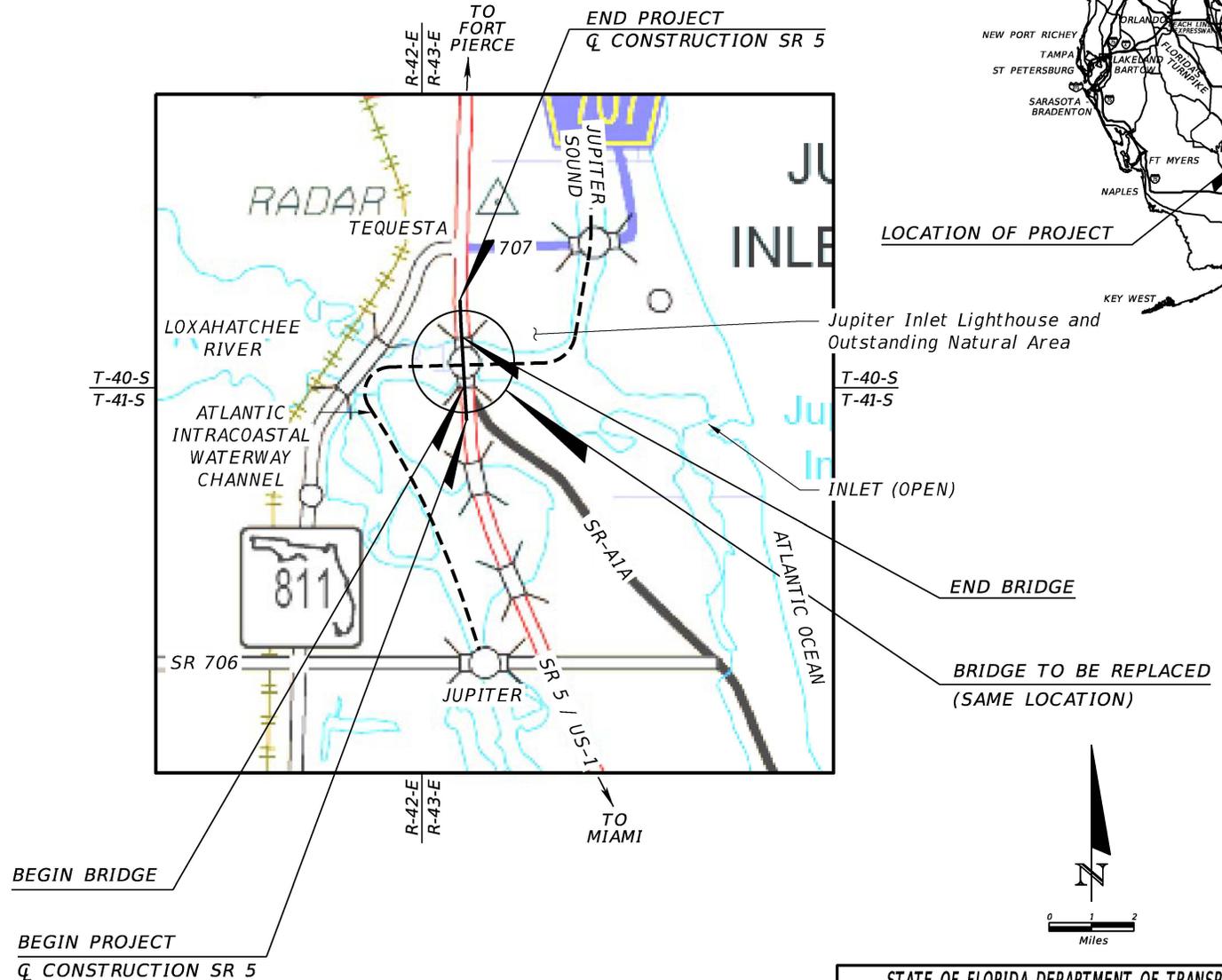
Mariners are requested to comment on the proposed vertical and horizontal navigational clearances and other navigational safety issues including, but not limited to, the extent of nighttime navigation, need for bridge fendering, and impacts due to construction activities.

Interested parties are requested to express their views, in writing, on the proposed bridge project including its possible impact on minority and/or low income population, if any, giving sufficient detail to establish a clear understanding of reasons for support of, or opposition to, the proposed work. Comments will be received for the record at the office of: Commander (dpb), Seventh Coast Guard District, 909 SE 1st Ave., Ste 432, Miami, Florida 33131-3028, for a 30-day period from the date of this public notice. The Coast Guard project manager for this application is Mr. Darayl Tompkins, who can be contacted by telephone at (305) 415-6766, by mail at the above address, or e-mail at darayl.tompkins@uscg.mil. Comments received will be made part of the project administrative record.

Map of location and plans attached.



LOCATION OF PROJECT



BEGIN BRIDGE

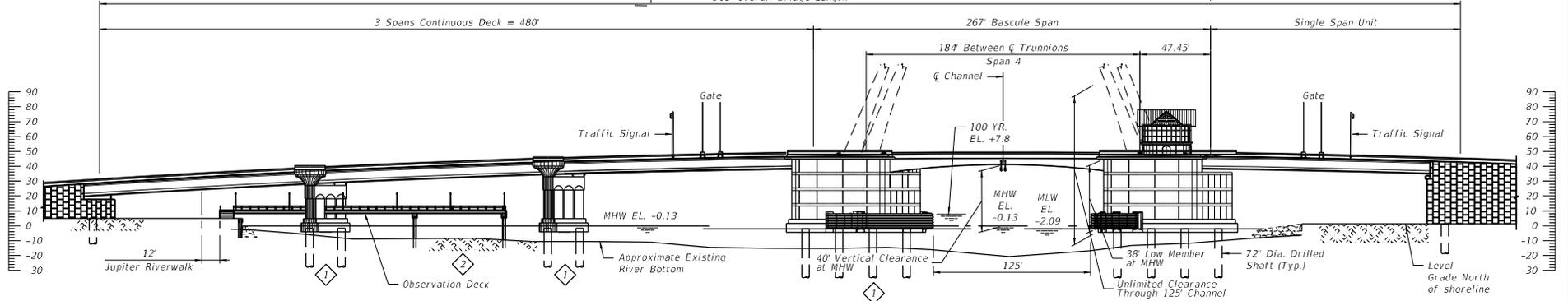
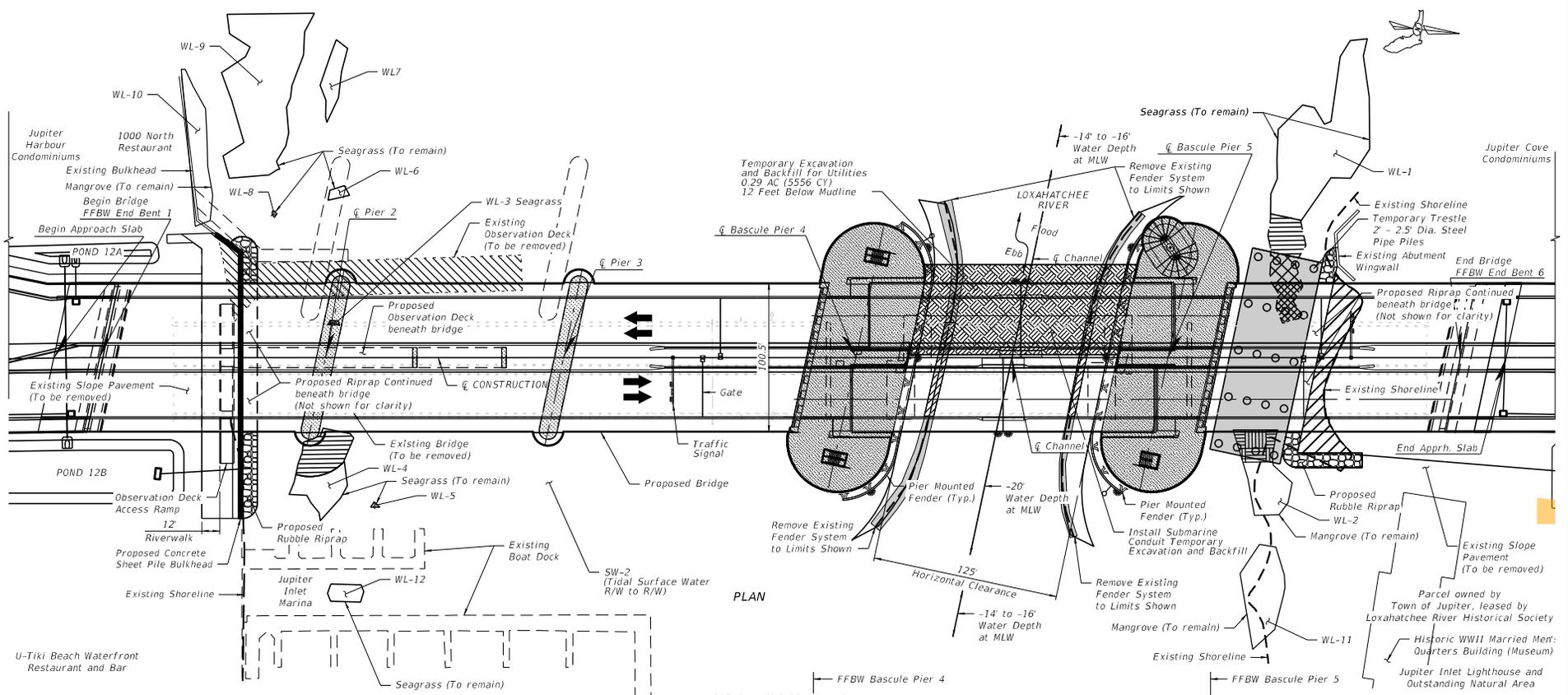
BEGIN PROJECT
Q CONSTRUCTION SR 5

CONCEPTUAL PLANS UTILIZED TO
OBTAIN COAST GUARD BRIDGE PERMIT

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
 Agent: Kimley-Horn and Associates, Inc. West Palm Beach, FL
 Atlantic Intracoastal Waterway, mile 1004.8 (Loxahatchee River)
 Lat/Long: 26°56'49.9" N 80°05'05.5"W
 SR5/US-1 Federal Highway Bridge, between CR-A1A and Beach Road
 Jupiter, Palm Beach County, FL

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VICINITY / LOCATION MAP



- LEGEND:**
- AOW AREA OVER WATER - 1.64 AC
 - BASCULE PIERS - 0.53 AC
 - BRIDGE PIERS AND OBSERVATION DECK PILES - 0.06 AC
 - PROPOSED RUBBLE RIPRAP - 0.08 AC (410 CY)
 - FILL (OTHER SURFACE WATER) - 0.04 AC (210 CY)
 - FILL MANGROVE - 0.01 AC (19 CY)
 - SHADING SEAGRASS PERMANENT IMPACT - 0.009 AC
 - SHADING SEAGRASS TEMPORARY IMPACT (TO REMAIN) - 0.008 AC
 - SECONDARY IMPACT SEAGRASS - 0.032 AC

- NOTES:**
1. Vertical Datum NAVD 1988.
 2. Addendum No. 1, Addendum to the Bridge Hydraulics Report, prepared for the SR-5/US-1 Federal Highway Bridge Replacement over Loxahatchee River. Provided for FDOT by Intera Incorporated, Gainesville, FL, January 2019.



LOCATION	DESCRIPTION	DREDGE QUANTITY	FILL QUANTITY
1	Bascule Pier with 72" Dia. Drilled Shafts below MHW	N/A	2376 SF 1172 CY
2	Pier with 18" Sq. Piles on Piers below MHW 1'x2.5' Concrete Sheet Pile Bulkhead	N/A	209 SF 42 CY
	TOTAL		2585 SF 1214 CY

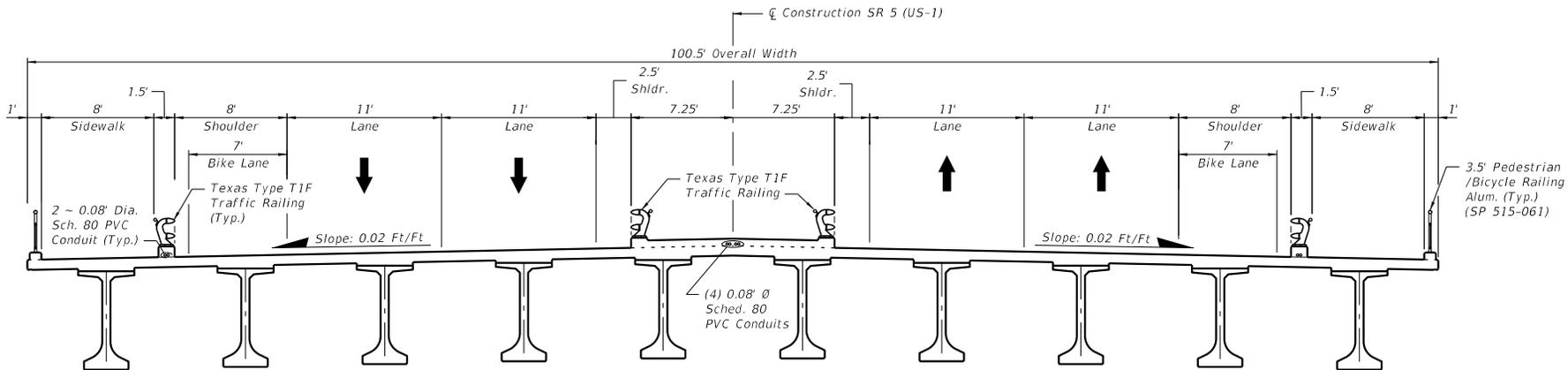
TURBIDITY MONITORING:

TURBIDITY MONITORING TO BE SAMPLED AT LEAST 200 FEET UP CURRENT OF WORK SITE FOR BACKGROUND, AND 100 FEET DOWN CURRENT AND UP CURRENT OF WORK SITE FOR COMPLIANCE.

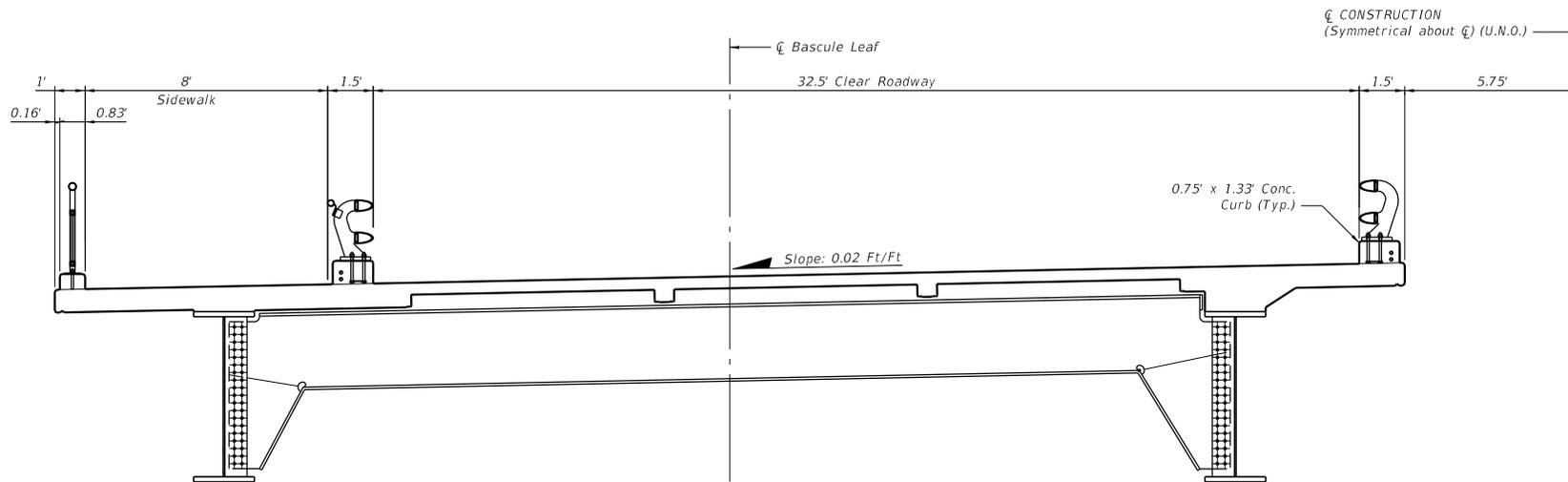
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PLAN AND ELEVATION



TYPICAL SECTION AT APPROACH SPANS



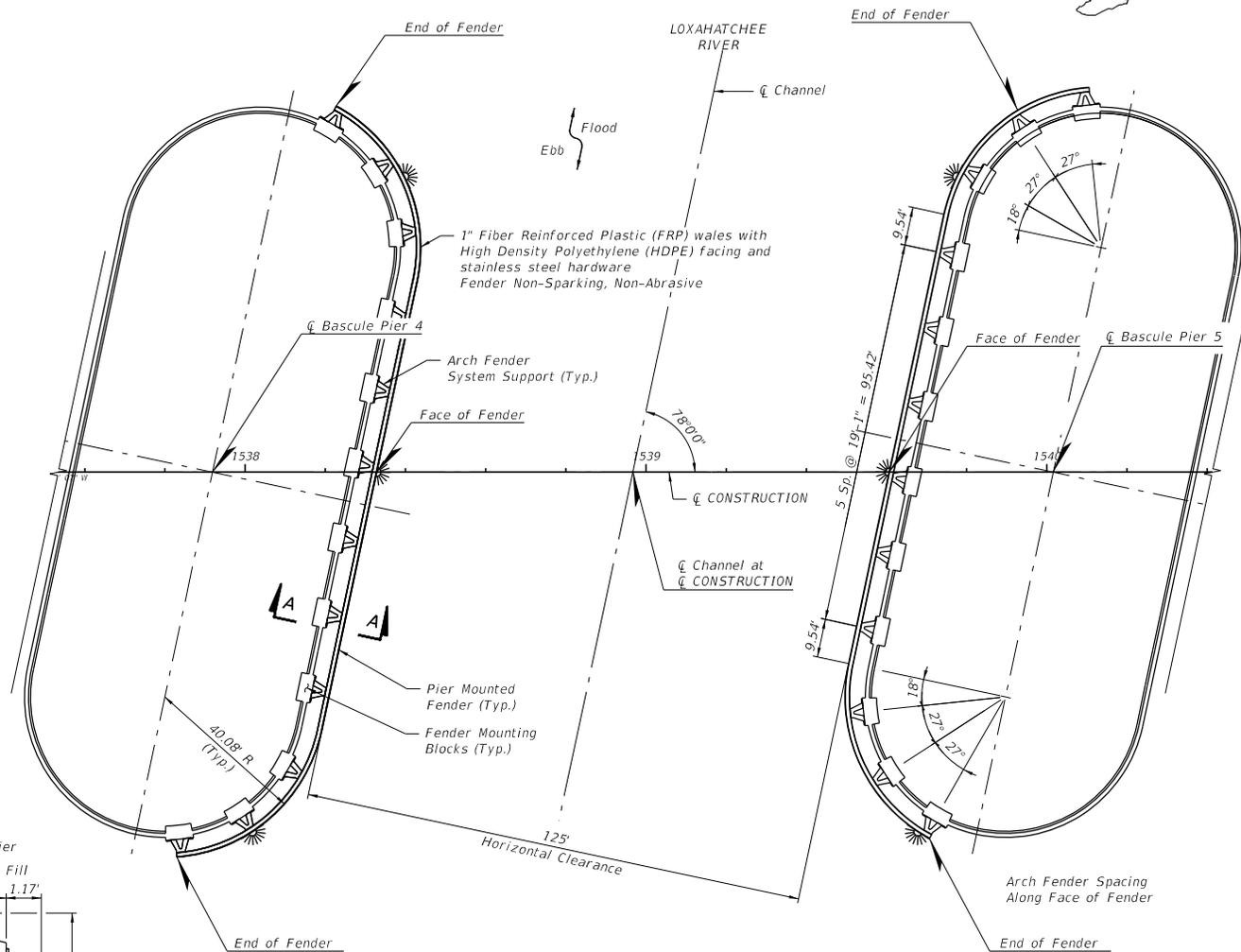
TYPICAL SECTION AT BASCULE LEAF



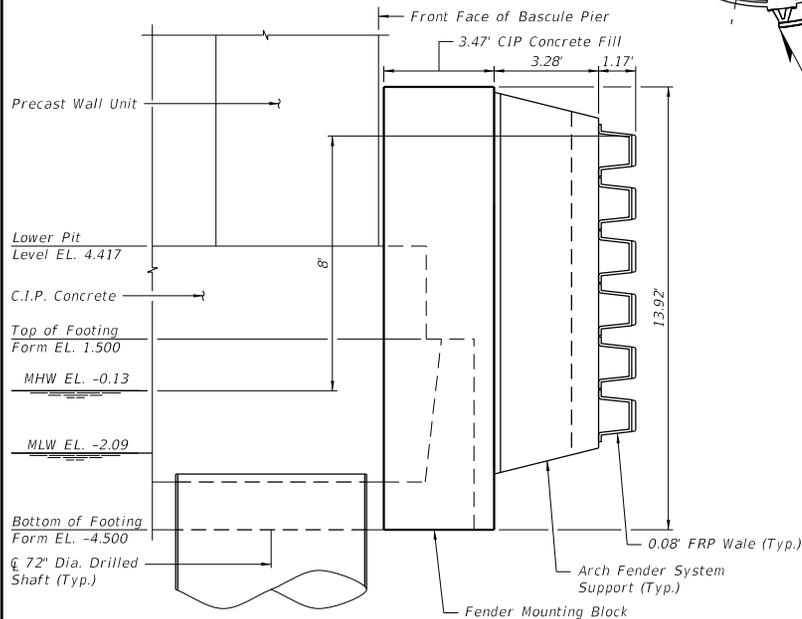
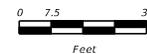
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TYPICAL SECTIONS



PLAN

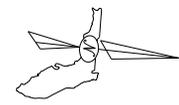


SECTION A-A
PIER MOUNTED FENDER SYSTEM

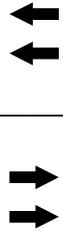
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FENDER SYSTEM PLAN
 (SHEET 1 OF 2)



☐ Bascule Pier 4



☐ Channel

☐ Bascule Pier 5

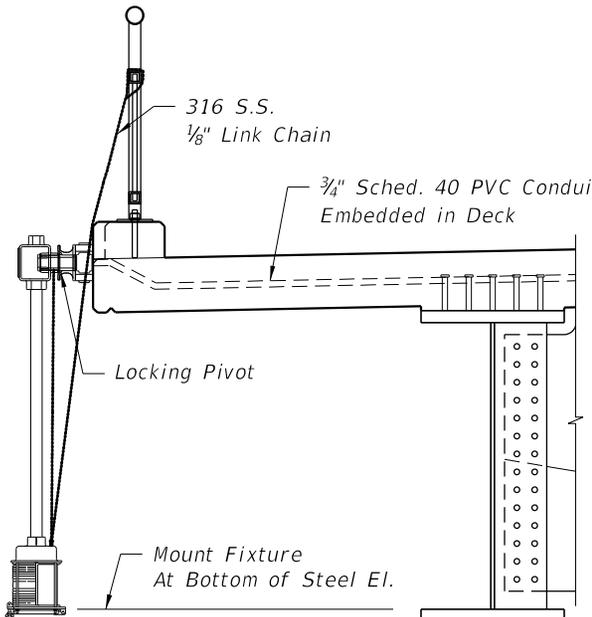
Fender Light, Typ.

Pier Mounted Fender

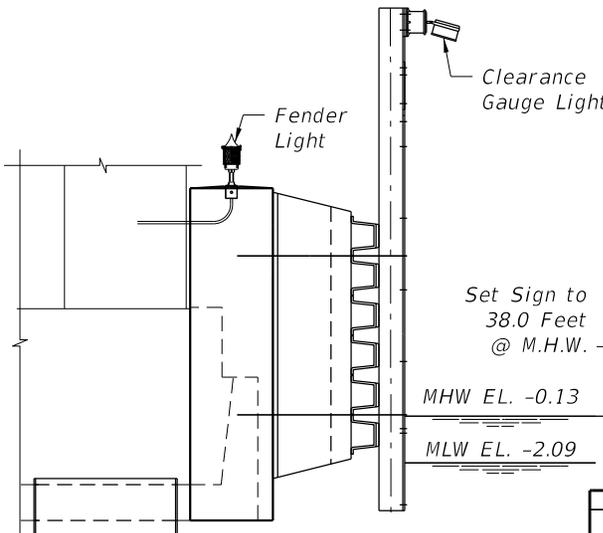
Pier Mounted Fender

125'

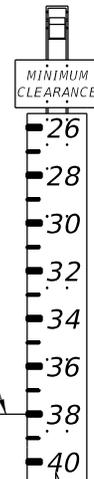
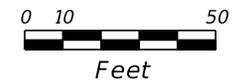
1" Fiber Reinforced Plastic (FRP) wales with High Density Polyethylene (HDPE) facing and stainless steel hardware
Fender Non-Sparking, Non-Abrasive



BASCULE SPAN LIGHT



CLEARANCE GAUGE LIGHT

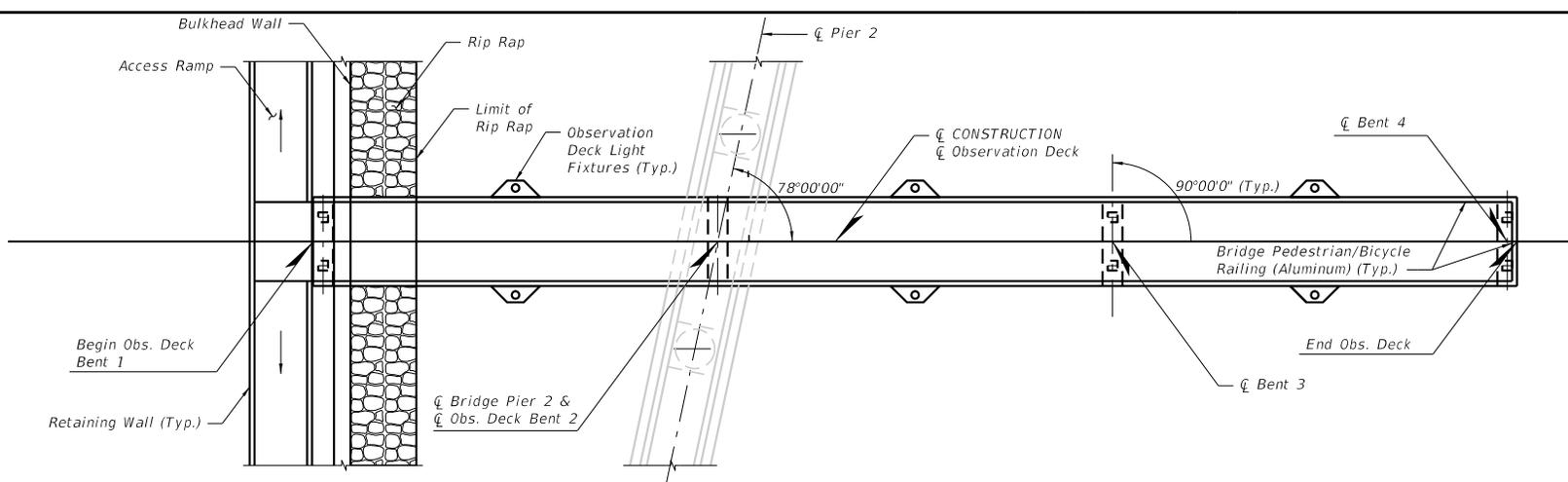
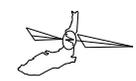


Set Sign to 38.0 Feet @ M.H.W.
MHW EL. -0.13
MLW EL. -2.09

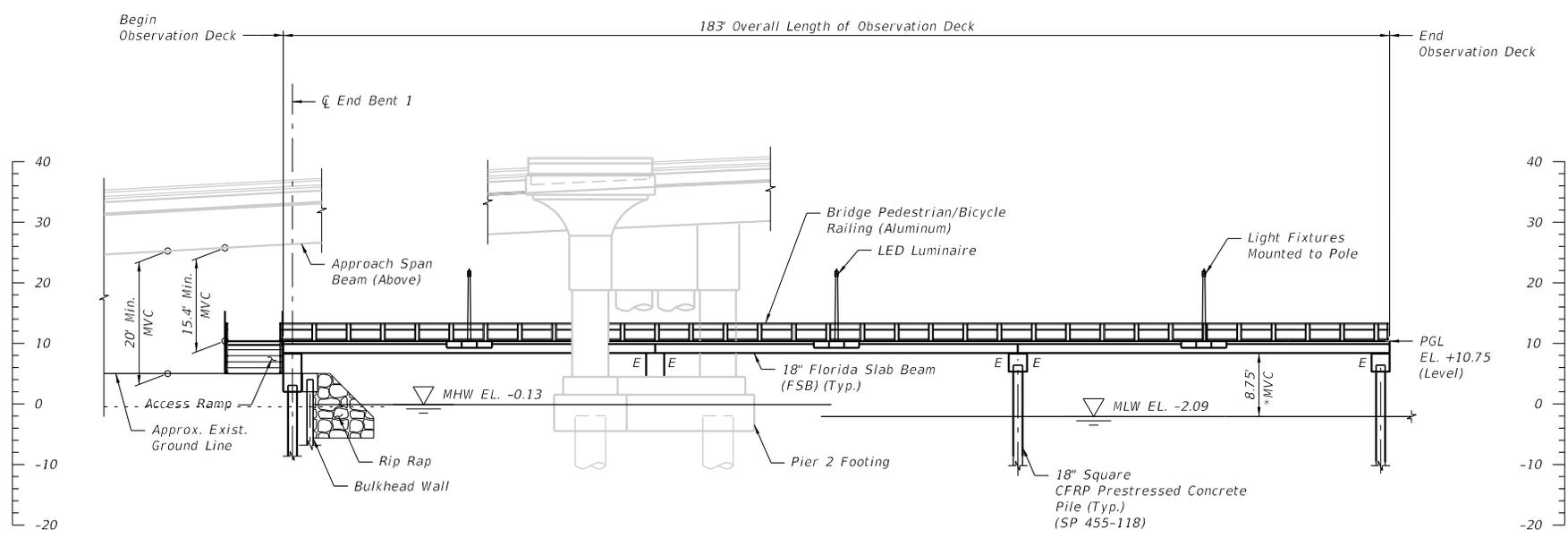
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**FENDER SYSTEM PLAN
NAVIGATION LIGHTING
(SHEET 2 OF 2)**

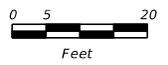


PLAN



ELEVATION

* Minimum Vertical Clearance



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**OBSERVATION DECK
 PLAN AND ELEVATION**