



DEPARTMENT OF THE ARMY  
U.S. ARMY CORPS OF ENGINEERS, NEW ORLEANS DISTRICT  
7400 LEAKE AVE  
NEW ORLEANS, LA 70118-3651

July 17, 2023

Regulatory Division  
Central Evaluation Branch

Zachary Steinkoenig  
(504) 862-1288  
Zachary.j.steinkoenig@usace.army.mil  
Application #: MVN-2015-02117-CF

### **PUBLIC NOTICE**

Interested parties are hereby notified that a permit application has been received by the New Orleans District of the US Army Corps of Engineers pursuant to), [X] Section 404 of the Clean Water Act (86 Stat. 816; 33 USC 1344). [X] Section 10 of the Rivers and Harbors Act of March 3, 1899 (30 Stat. 1151; 33 USC 403)

### **PROPOSED LAROSE LOCK STRUCTURE IN BAYOU LAFOURCHE**

**NAME OF APPLICANT:** SOUTH LAFOURCHE LEVEE DISTRICT, c/o Picciola & Associates, Inc., P.O. Box 687, Cut off, LA 70345 Attn: Joseph Picciola.

**LOCATION OF WORK:** Bayou Lafourche in Larose, Louisiana, within Lafourche Parish, Latitude 29.570514, Longitude -90.380322, within the Barataria Basin in hydrologic unit (HUC 08090301), as shown on the attached drawings.

**CHARACTER OF WORK:** The applicant has requested a Department of the Army authorization to install structures, place rip-rap fill, and dredge for the construction of a lock structure within Bayou Lafourche. The project involves the dredging of 32,408 cubic yards within 3 acres of waterbottoms and placing of 9,680 cubic yards of riprap within 3 acres of Bayou Lafourche waterbottoms. An existing timber guide wall will be extended, new timber wall fenders will be installed, and an additional floodgate will be constructed to complete the lock structure in Bayou Lafourche. Additionally, the project will include installing sheet piling underneath, adjacent to and over the riprap at the new steel barge / flood gate structure for stability. Approximately 0.16-acre of shoreline wetlands will be loss due to project implementation. The lock structure will be configured to operate in a similar fashion as the existing Golden Meadow Lock Structure. The lock structure will be operated when the water level reaches +0.30 ft NGVD within Bayou Lafourche. The maximum water level in the locking chamber will be +5.0 ft NGVD. The vessels will be allowed passage once an hour during normal operations and the gates will be left completely open when water levels within Bayou Lafourche are below +0.30 ft NGVD.

**MITIGATION:** The project includes dredging of waterbottoms of an existing channel with Bayou Lafourche. Impacts to wetlands are minimal and have already been mitigated for in the construction of the Larose to Golden Meadow levee system.

The comment period for the Department of the Army Permit will close 20 days from the date of this public notice. Written comments, including suggestions for modifications or objections to the proposed work, stating reasons thereof, are being solicited from anyone having interest in this permit request, and must be submitted so as to be received before or by the last day of the comment period. Letters and/or comments concerning the subject permit application must reference the applicant's name and the Permit Application Number and can be preferably emailed to the Corps of Engineers project manager listed above or forwarded to the Corps of Engineers at the address above, **ATTENTION: REGULATORY DIVISION, RGC, Zachary Steinkoenig**. The Branch Chief will review the request and the requester will be promptly notified of the decision to grant or deny the request. If granted, the time extension will be continuous and inclusive of the initial comment period and will not exceed a total of 30 calendar days. This public notice is also available for review online at <https://go.usa.gov/xennJ>.

### **Corps of Engineers Permit Criteria**

The decision whether to issue a permit will be based on an evaluation of the probable impacts, 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 benefit 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 the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic 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.

The U.S. Army Corps of Engineers 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 U.S. Army Corps of Engineers to determine whether to make, modify, condition, or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity. Further, all factors that may be relevant to the proposal will be considered, including the potential cumulative effects associated with the proposed project

The New Orleans District is presently unaware of properties listed on the

National Register of Historic Places at or near the proposed work but is pending further review in accordance with the National Historic Preservation Act. The possibility exists that the proposed work may damage or destroy presently unknown archeological, scientific, prehistorical, historical sites, or data. As deemed necessary, copies of this public notice will be sent to the State Archeologist, State Historic Preservation Officer, and federally listed tribes regarding potential impacts to cultural resources.

Based on the Information Planning and Consultation (IPaC) tool for Endangered Species in Louisiana, as signed on January 27, 2020, between the U.S. Army Corps of Engineers, New Orleans and the U.S. Fish and Wildlife Service, it has been determined that the project would not likely affect the West Indian Manatee (*Trichechus manatus*) with special manatee conditions.

This notice initiates the Essential Fish Habitat (EFH) consultation requirements of the Magnuson-Stevens Fishery Conservation and Management Act. The applicant's proposal may result in the destruction, alteration and/or disturbance of **3 acres** of EFH utilized by various life stages of red drum and penaeid shrimp. Our initial determination is that the proposed action would not have a substantial adverse impact on EFH or federally managed fisheries in the Gulf of Mexico. 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.

If the proposed work involves deposits of dredged or fill material into navigable waters, the evaluation of the probable impacts will include the application of guidelines established by the Administrator of the Environmental Protection Agency. Also, a certification that the proposed activity will not violate applicable water quality standards will be required from the LA Department of Environmental Quality before a Department of the Army permit is issued.

Any person may request, (preferably by email to the project manager, or in writing), within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for public hearings shall state, with particularity, the reasons for holding a public hearing.

The applicant has certified that the proposed activity described in the application complies with and will be conducted in a manner that is consistent with the Louisiana Coastal Resources Program (Louisiana Coastal Zone Application P #P20200678). The Department of the Army permit will not be issued unless the applicant received approval or a waiver of the Coastal Use Permit by the Louisiana Department of Natural Resources, Office of Coastal management.

Any person may request, (preferably by email to the project manager, or in writing), within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for public hearings shall state, with particularity, the reasons for holding a public hearing.

You are invited to communicate the information contained in this notice to any other parties whom you deem likely to have interest in the matter.

JOHN M. HERMAN  
Chief, Central Evaluation Branch  
Regulatory Division

C:\WORK\ACTIVE\12061602 SLLD - Larose Lock Preliminary Investigation\ACAD\PERMIT\REV. 06-29-23\01-SHT\_TITLE.dwg



STATE VICINITY MAP

NOT TO SCALE

# LAROSE LOCK STRUCTURE

PROPOSED: LAROSE LOCK STRUCTURE  
APPLIED BY: SOUTH LAFOURCHE LEVEE DISTRICT  
AREA: LAROSE, LOUISIANA



PICCIOLA & ASSOCIATES, INC.

CIVIL ENGINEERS      NAVAL ARCHITECTS  
 LAND SURVEYORS      MARINE ENGINEERS

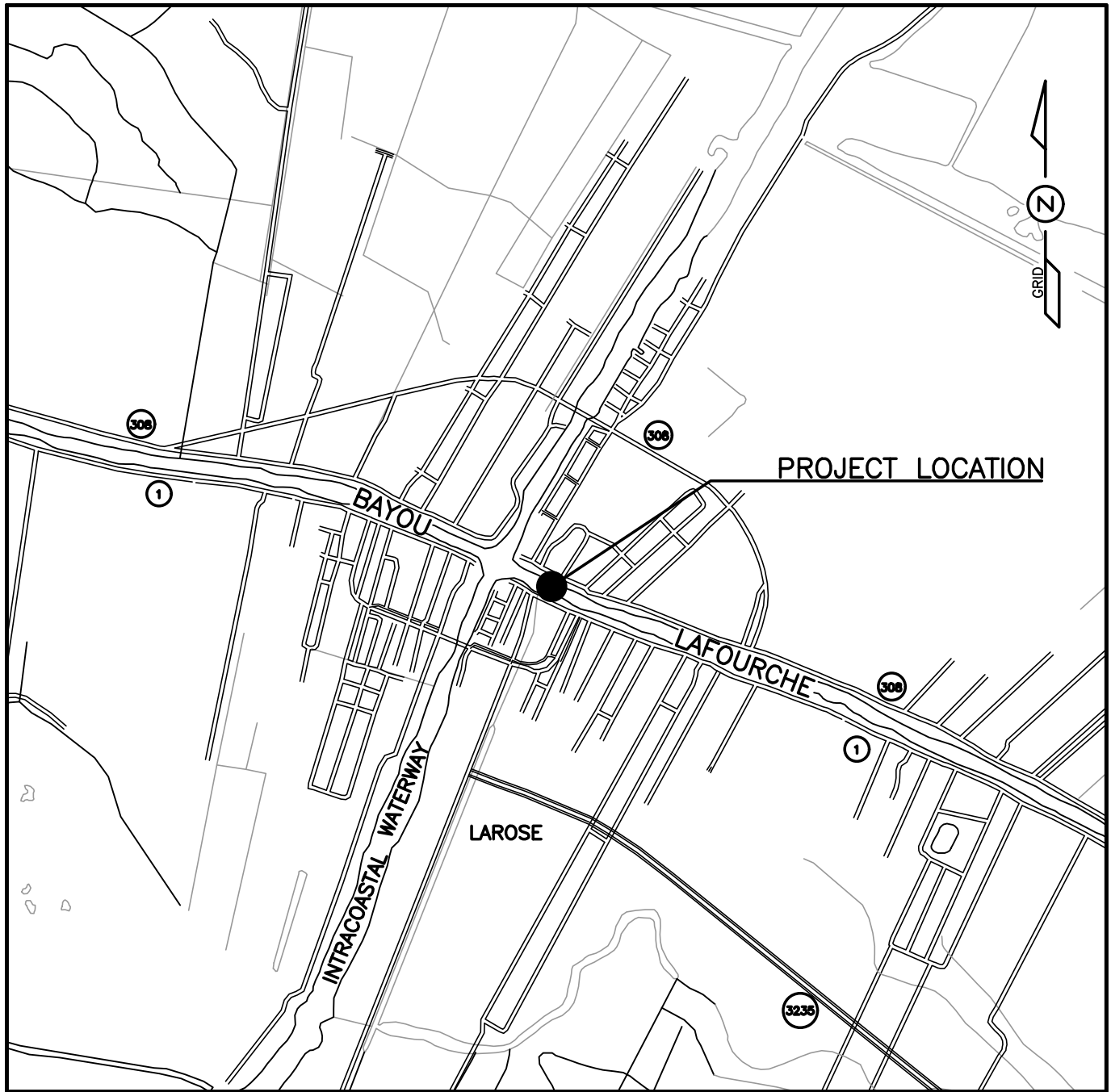
P.O. BOX 687  
 CUT OFF, LOUISIANA 70345  
 (985) 632-5786

REV: 06-29-23

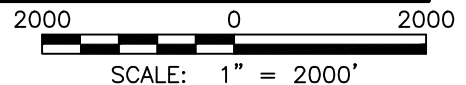
DATE: 07-17-20

SHEET 1 OF 15

C:\WORK\ACTIVE\12061602 SLLD - Larose Lock Preliminary Investigation\ACAD\PERMIT\REV. 06-29-23\02-SHT\_VICMAP.dwg



**LOCAL VICINITY MAP**



PROPOSED: LAROSE LOCK STRUCTURE

APPLIED BY: SOUTH LAFOURCHE LEVEE DISTRICT

AREA: LAROSE, LAFOURCHE PARISH, LOUISIANA  
PROJECT IS LOCATED IN SECTION 45, T-17-S, R-20-E

LATITUDE = 29° 34' 13.85"

LONGITUDE = 90° 22' 49.16"

(LAT. & LONG. IS LOCATED APPROXIMATELY IN THE CENTER OF EXISTING LOCK STRUCTURE)



**PICCIOLA & ASSOCIATES, INC.**

CIVIL ENGINEERS      NAVAL ARCHITECTS  
LAND SURVEYORS      MARINE ENGINEERS

P.O. BOX 687  
CUT OFF, LOUISIANA 70345  
(985) 632-5786

REV: 06-29-23

DATE: 07-17-20

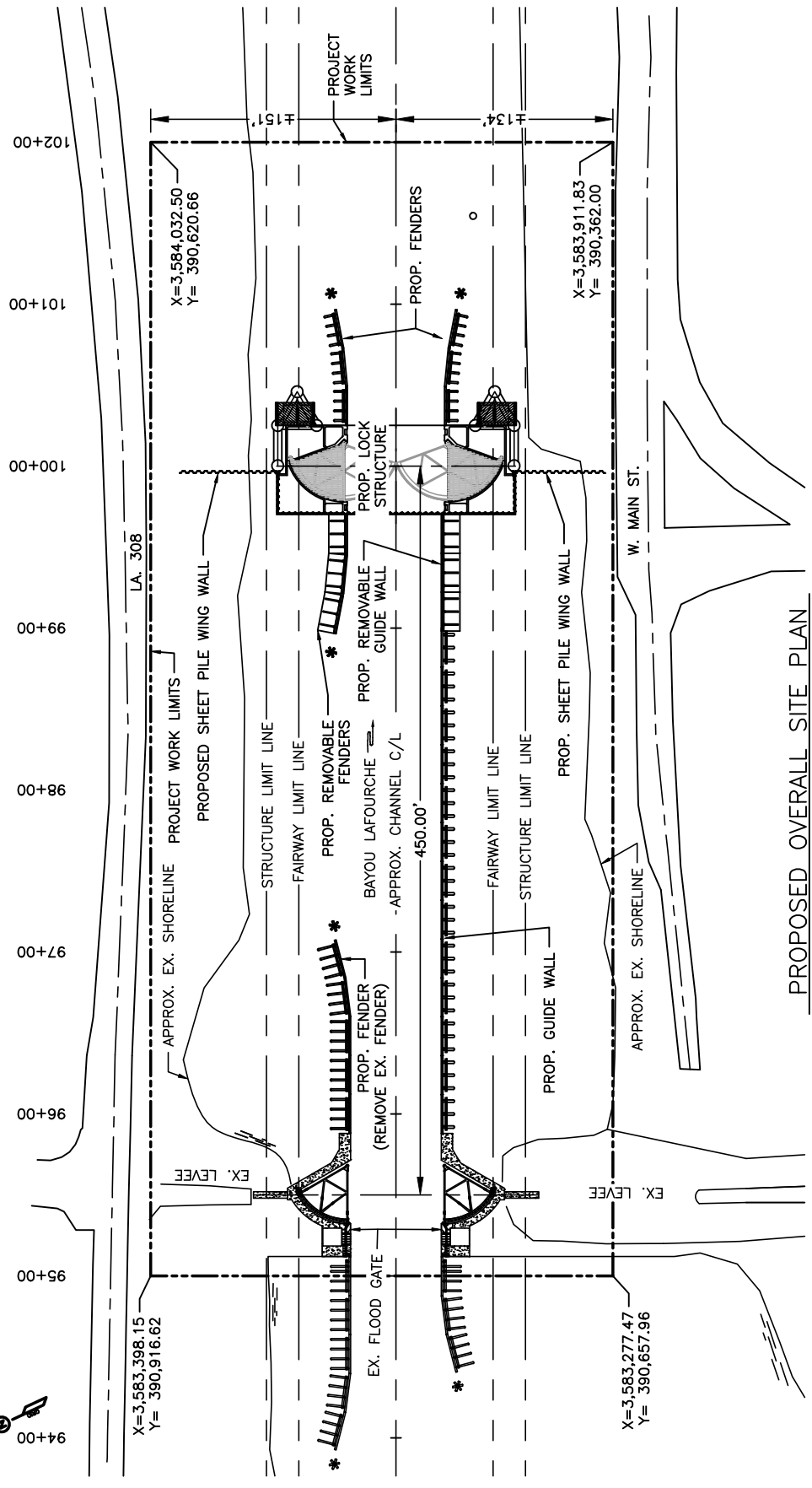
SHEET 2 OF 15



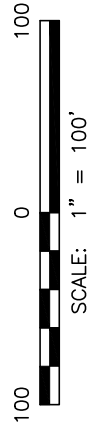
**PICCIOLA & ASSOCIATES, INC.**  
 CIVIL ENGINEERS      NAVAL ARCHITECTS  
 LAND SURVEYORS      MARINE ENGINEERS

P.O. BOX 687  
 CUT OFF, LOUISIANA 70345  
 (865) 632-5786

REV: 06-29-23  
 DATE: 07-17-20



**PROPOSED OVERALL SITE PLAN**



**DREDGE/FILL AREAS:**

TOTAL DREDGE: ±2 ACRES  
 RIPRAP: ±3 ACRES

**GENERAL NOTES:**

1. THE LOCATION AND DEPTH OF ALL BURIED OIL/GAS PIPELINES AND UTILITY LINES SHALL BE VERIFIED PRIOR TO ANY DIGGING BY CONTACTING "LOUISIANA ONE CALL" @ 1-800-272-3020.
2. THE EXISTING LOCK STRUCTURE SHALL REMAIN OPERABLE AT ALL TIMES DURING CONSTRUCTION TO ALLOW THE GATES TO CLOSE IF NECESSARY.
3. SEE SHEETS 4 THROUGH 15 FOR MORE INFORMATION ON LOCK STRUCTURE, DREDGING, GUIDE WALLS AND OTHER ITEMS RELATED TO THE INSTALLATION OF THE PROPOSED LOCK STRUCTURE.



PICCIOLA & ASSOCIATES, INC.

CIVIL ENGINEERS  
LAND SURVEYORS

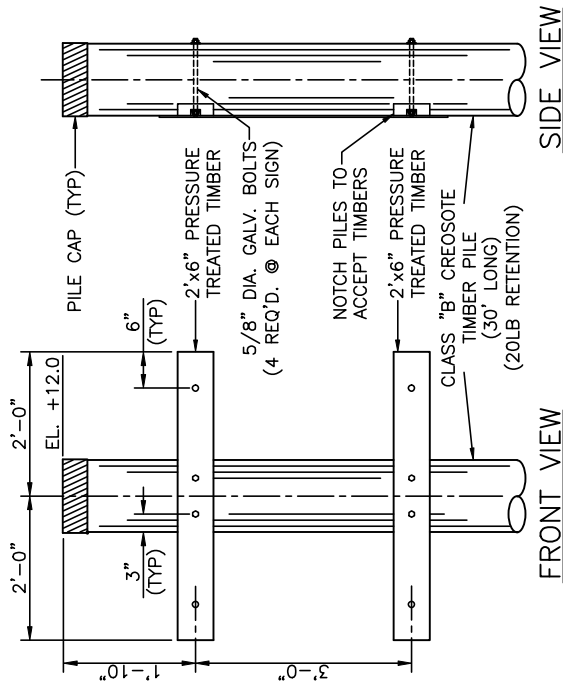
NAVAL ARCHITECTS  
MARINE ENGINEERS

P.O. BOX 687  
CUT OFF, LOUISIANA 70345  
(865) 632-5766

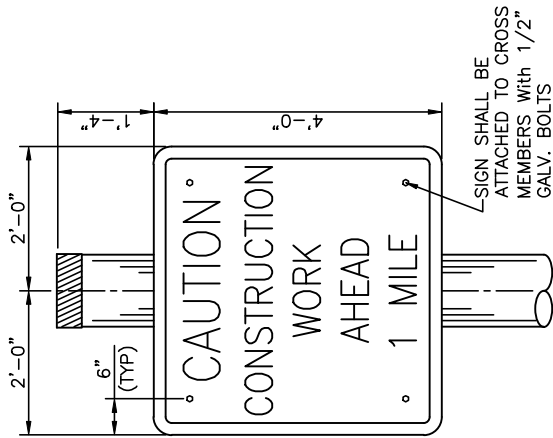
REV: 06-29-23

DATE: 07-17-20

SHEET 4 OF 15



SIGN SUPPORT DETAIL  
SCALE: 3/8" = 1'-0"

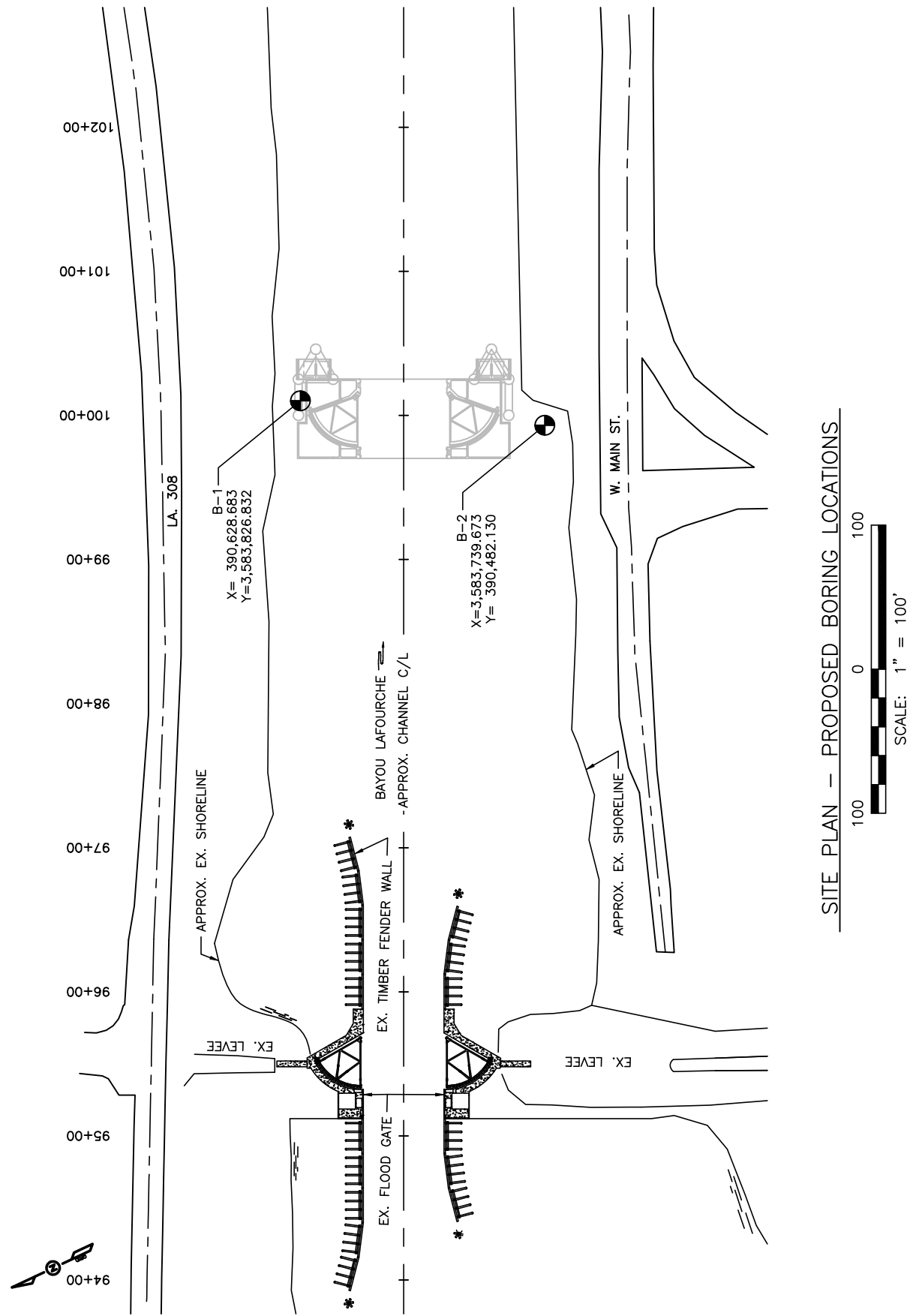


SIGN ELEVATION VIEW  
SCALE: 3/8" = 1'-0"

**NOTES:**

1. SIGNS SHALL BE ERECTED AT DISTANCES OF 500', 1500', AND 1 MILE FROM THE NORTH AND SOUTH EDGE OF THE PROPOSED BARGE STRUCTURE. SIGNS SHALL SPECIFY THESE SET DISTANCES FROM THE STRUCTURE. SIGNS WILL BE ERECTED AT EACH DISTANCE ON THE LEFT AND RIGHT BANKS OF BAYOU LAFOURCHE, 10' INTO THE LAND FROM THE WATER'S EDGE OR AS DIRECTED BY THE PROJECT ENGINEER.
2. WARNING SIGNS SHALL BE CONSTRUCTED USING 3/8" PLATE ALUMINUM UTILIZING ORANGE AND WHITE RETROREFLECTIVE MATERIAL WITH BLACK LETTERING. ALL SIGNS SHALL MEET U.S. COAST GUARD STANDARDS IN ACCORDANCE WITH 33 CFR 330.4 (a) (1).
3. UPON COMPLETION OF CONSTRUCTION AND THE LOCK STRUCTURE AND APPROVAL OF PROJECT ENGINEER, THE CAUTION SIGNS SHALL BE REMOVED FROM THE SITE.





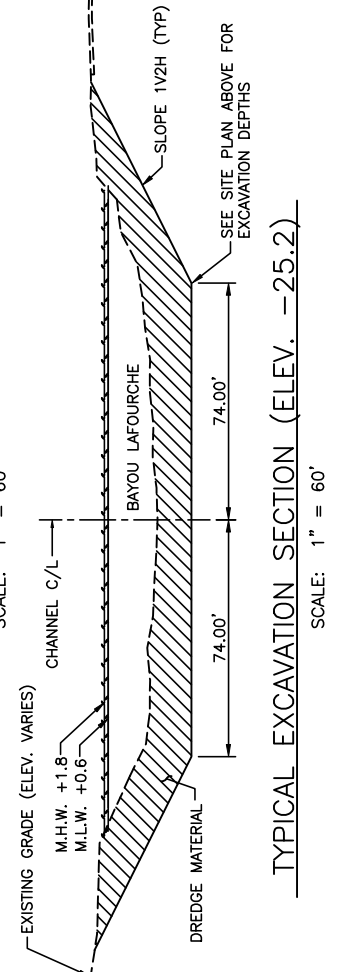
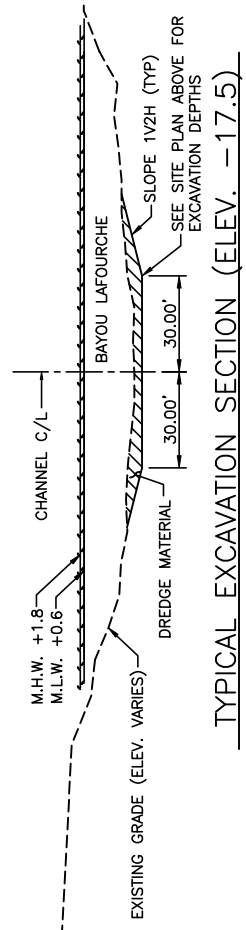
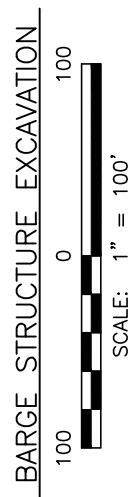
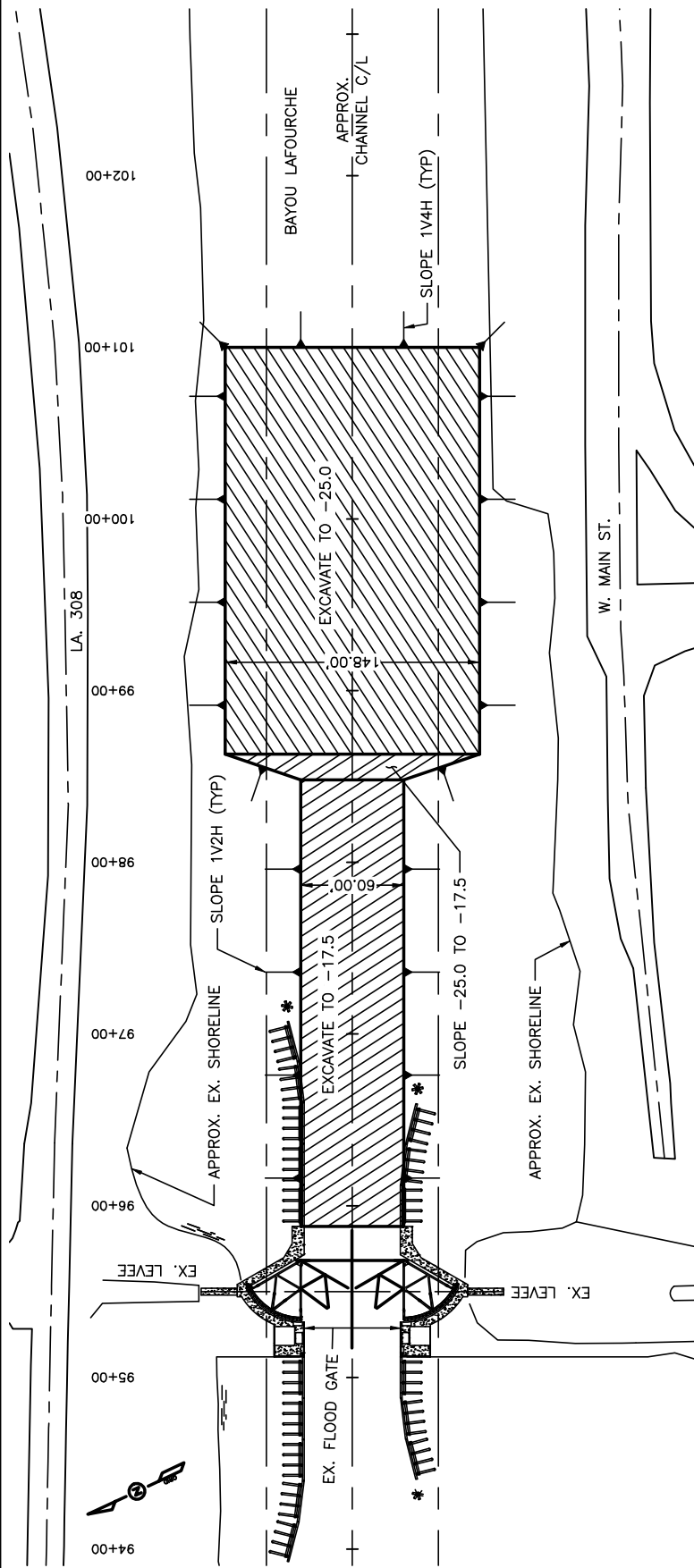
SITE PLAN -- PROPOSED BORING LOCATIONS



**PICCIOLA & ASSOCIATES, INC.**  
 CIVIL ENGINEERS      NAVAL ARCHITECTS  
 LAND SURVEYORS      MARINE ENGINEERS

P.O. BOX. 687  
 CUT OFF, LOUISIANA 70345  
 (865) 632-5766

REV: 06-29-23  
 DATE: 07-17-20



**DREDGE VOLUME:**  
 ±32,408 CUBIC YARDS

**NOTE:**  
 MATERIAL REMOVED DURING THE EXCAVATION PROCESS SHALL BE REMOVED FROM THE PROJECT SITE & DEPOSITED IN A NON-WETLAND AREA DESIGNATED BY SLLD.



**PICCIOLA & ASSOCIATES, INC.**  
 CIVIL ENGINEERS LAND SURVEYORS      NAVAL ARCHITECTS MARINE ENGINEERS

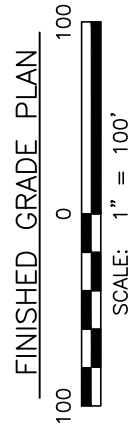
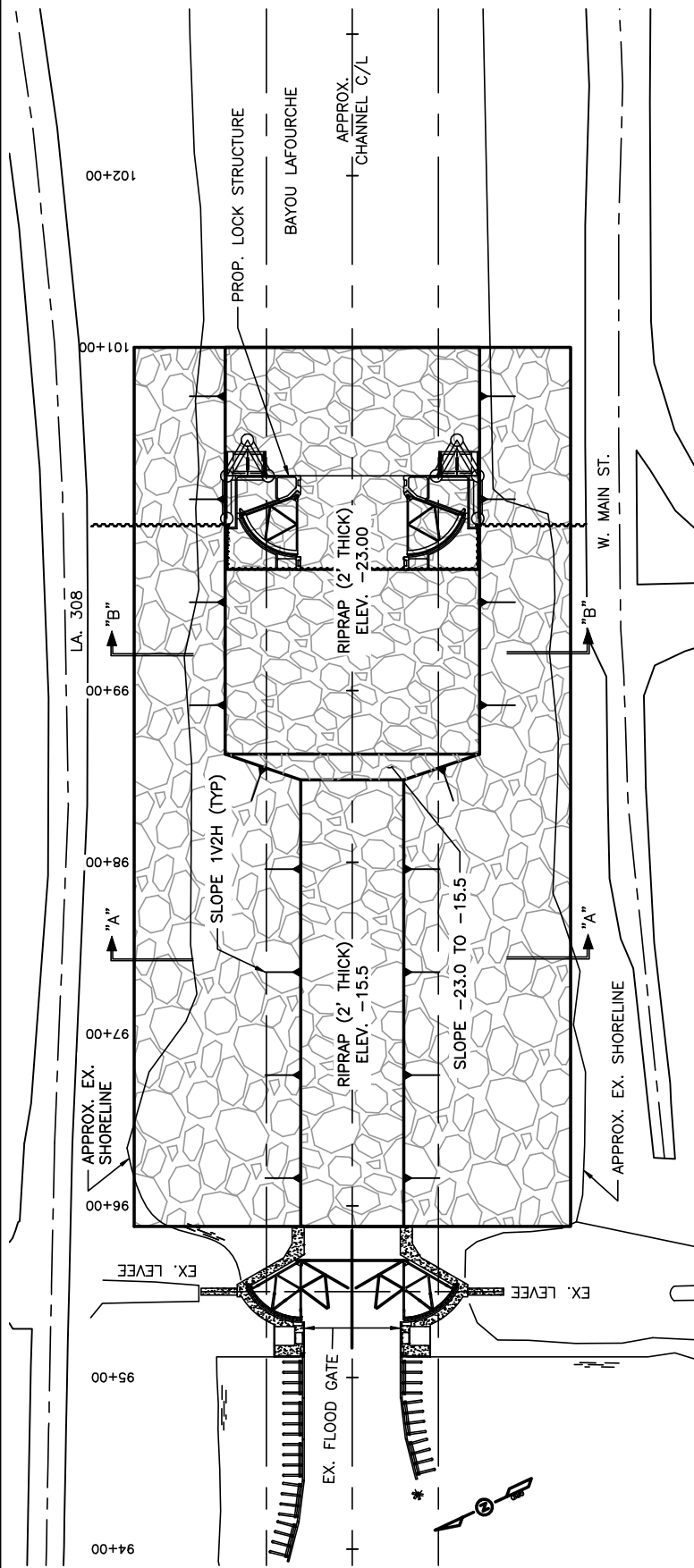
P.O. BOX 687  
 CUT OFF, LOUISIANA 70345  
 (865) 632-5786

REV: 06-29-23  
 DATE: 07-17-20

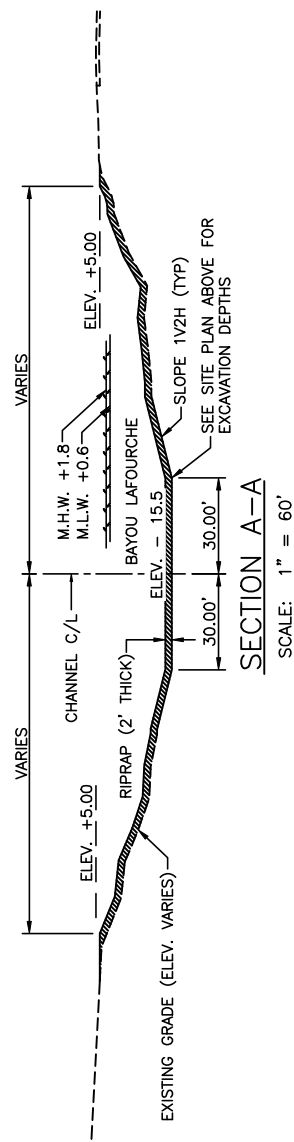


**PICCIOLA & ASSOCIATES, INC.**  
 CIVIL ENGINEERS      NAVAL ARCHITECTS  
 LAND SURVEYORS      MARINE ENGINEERS

P.O. BOX 687  
 CUT OFF, LOUISIANA 70345  
 (865) 632-5766



**FINISHED GRADE PLAN**



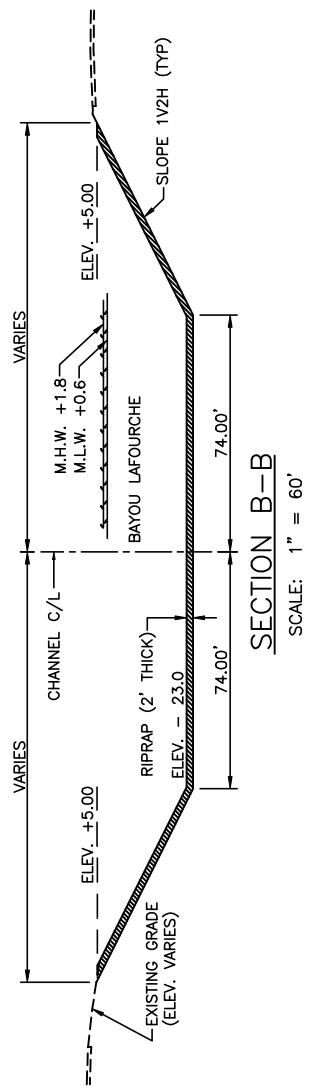
**SECTION A-A**

SCALE: 1" = 60'

**RIPRAP VOLUME:**  
 ±9,680 CUBIC YARDS

**GENERAL NOTES:**

1. THE EXISTING LOCK STRUCTURE SHALL REMAIN OPERABLE AT ALL TIMES DURING CONSTRUCTION TO ALLOW THE GATES TO CLOSE IF NECESSARY.
2. PROPOSED FENDERS AND GUIDE WALLS NOT SHOWN FOR CLARITY REASONS.



**SECTION B-B**

SCALE: 1" = 60'

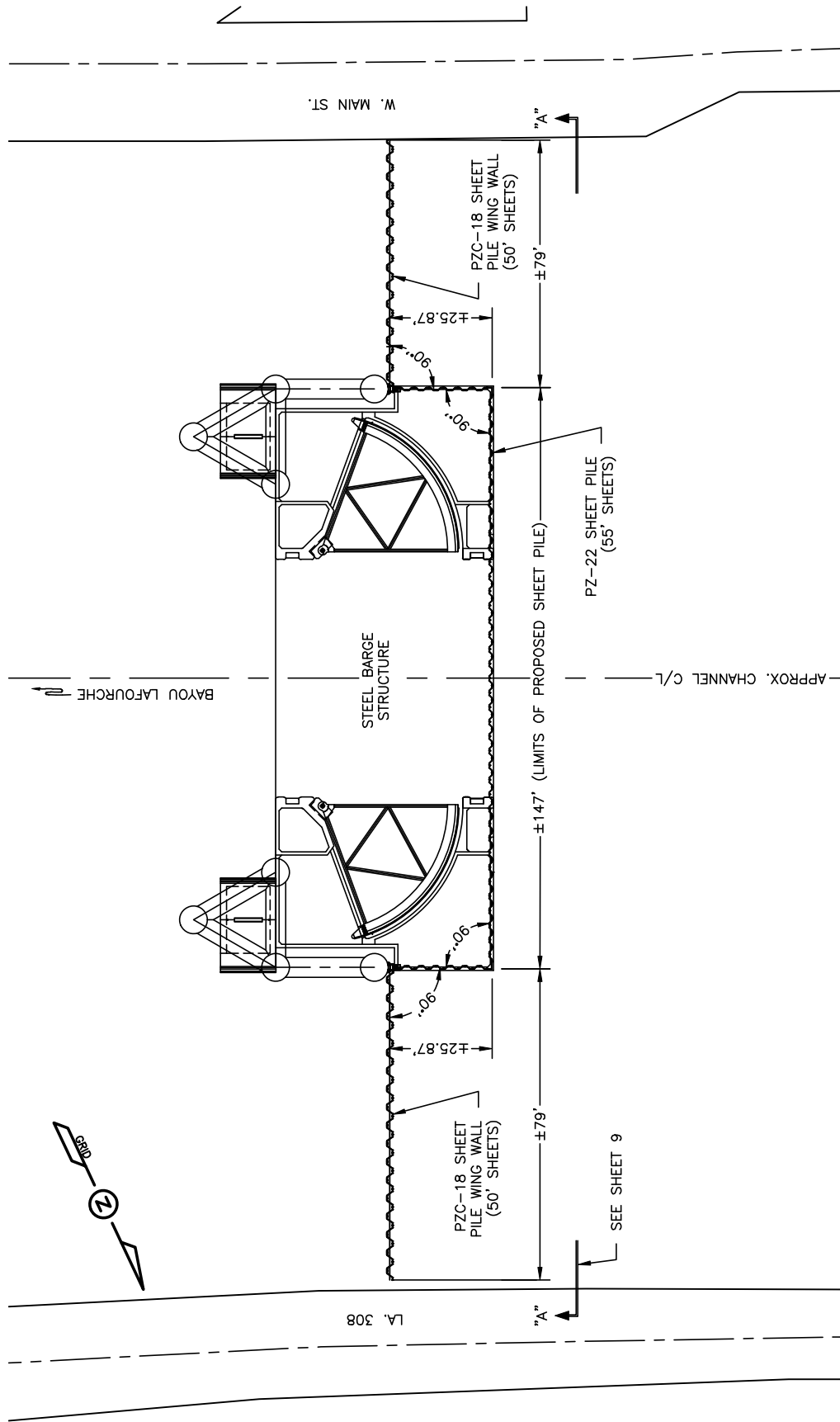


**PICCIOLA & ASSOCIATES, INC.**

CIVIL ENGINEERS      NAVAL ARCHITECTS  
LAND SURVEYORS      MARINE ENGINEERS

P.O. BOX. 687  
CUT OFF, LOUISIANA 70345  
(865) 632-5766

REV: 06-29-23  
DATE: 07-17-20



SHEET PILE LAYOUT -- PLAN VIEW



SCALE: 1" = 40'

**NOTES:**

1. PROPOSED SHEET PILE AND INTERLOCKING CONNECTIONS TO BE L.B. FOSTER COMPANY OR APPROVED EQUAL. PZ-22 SHEET PILE TO BE USED BENEATH BARGE STRUCTURE AND PZC-18 SHEET PILE TO BE USED FOR WING WALLS.
2. SEE SHEET 9 FOR SECTION "A"- "A"



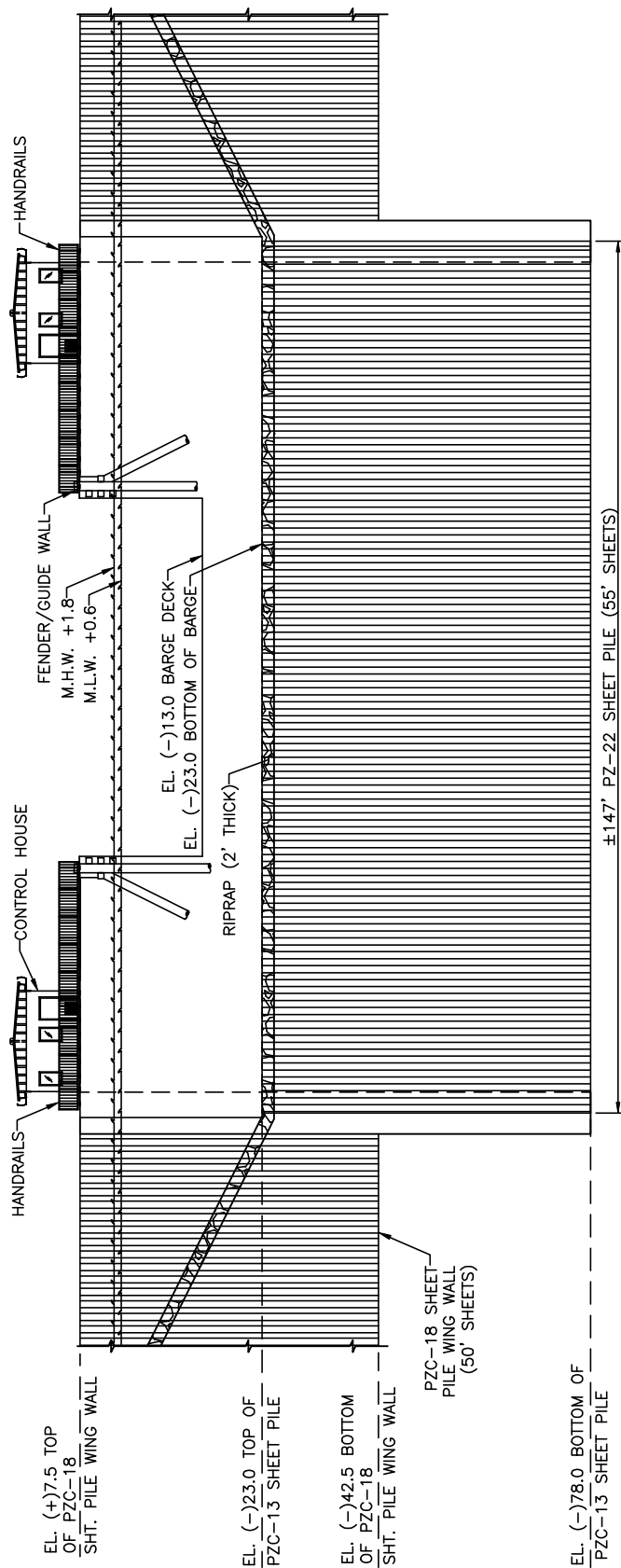
PICCIOLA & ASSOCIATES, INC.

CIVIL ENGINEERS  
LAND SURVEYORS

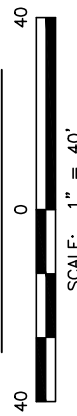
NAVAL ARCHITECTS  
MARINE ENGINEERS

P.O. BOX. 687  
CUT OFF, LOUISIANA 70345  
(866) 632-5766

REV: 06-29-23  
DATE: 07-17-20



SECTION "A" - "A"



NOTES:

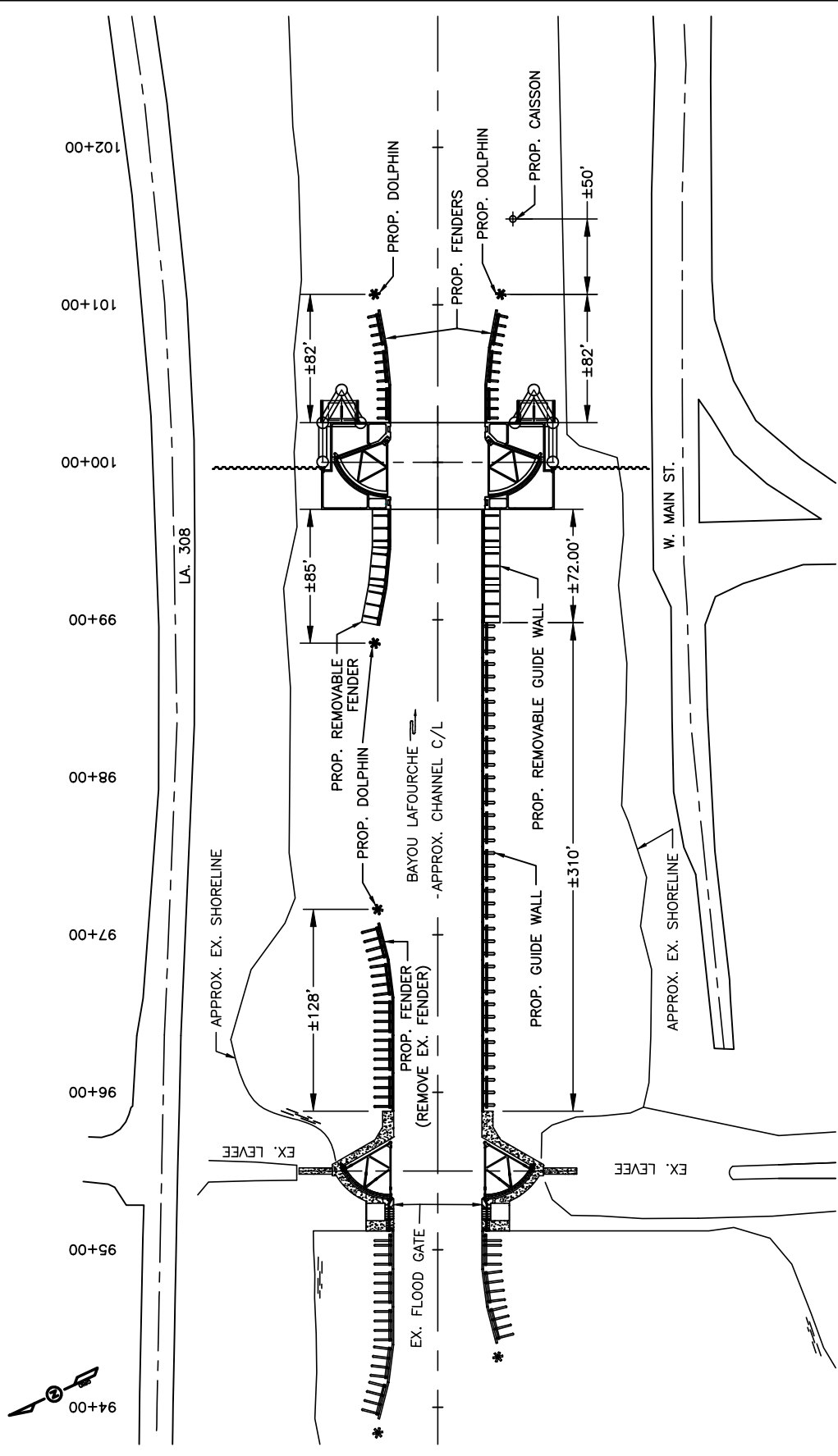
1. PROPOSED SHEET PILE AND INTERLOCKING CONNECTIONS TO BE L.B. FOSTER COMPANY OR APPROVED EQUAL. PZ-22 SHEET PILE TO BE USED BENEATH BARGE STRUCTURE AND PZC-18 SHEET PILE TO BE USED FOR WING WALLS.



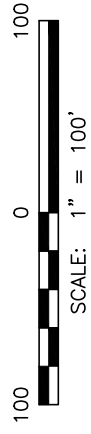
**PICCIOLA & ASSOCIATES, INC.**  
 CIVIL ENGINEERS      NAVAL ARCHITECTS  
 LAND SURVEYORS      MARINE ENGINEERS

P.O. BOX 687  
 CUT OFF, LOUISIANA 70345  
 (865) 632-5766

REV: 06-29-23  
 DATE: 07-17-20



**PROPOSED FENDER & GUIDE WALL SITE PLAN**



**NOTE:**  
 SEE SHEETS 11 THROUGH 15 FOR MORE  
 INFORMATION ON PROPOSED FENDERS, GUIDE WALLS,  
 CAISSONS, PILE CLUSTERS, AND DOLPHINS.

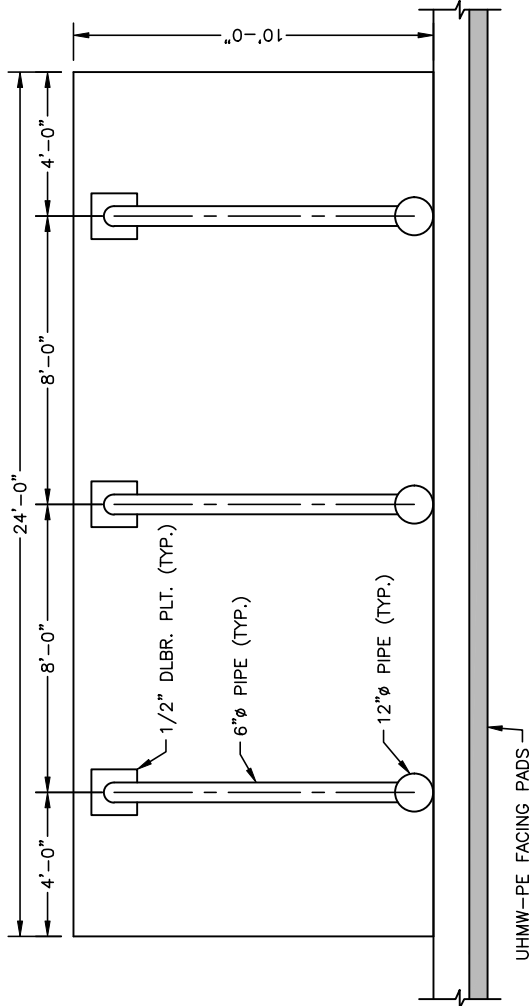


**PICCIOLA & ASSOCIATES, INC.**

CIVIL ENGINEERS  
LAND SURVEYORS

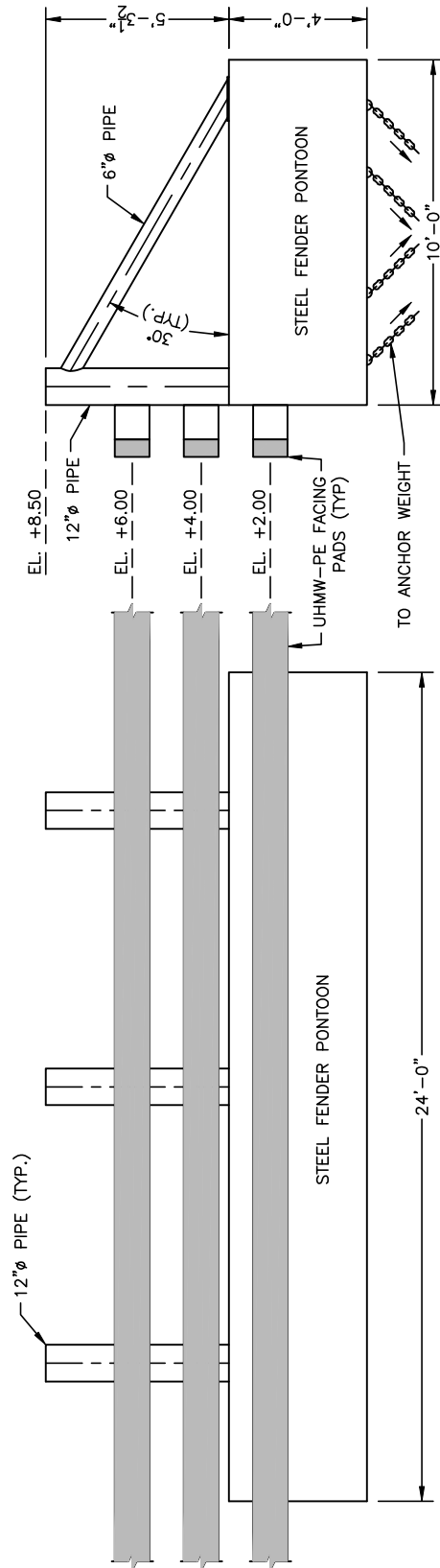
NAVAL ARCHITECTS  
MARINE ENGINEERS

P.O. BOX. 687  
CUT OFF, LOUISIANA 70345  
(866) 632-5766



**REMOVABLE FENDER DETAIL—PLAN VIEW**

SCALE: 3/16" = 1'-0"



**REMOVABLE FENDER DETAIL—ELEVATION VIEW**

SCALE: 3/16" = 1'-0"

**REMOVABLE FENDER DETAIL—SECTION**

SCALE: 3/16" = 1'-0"

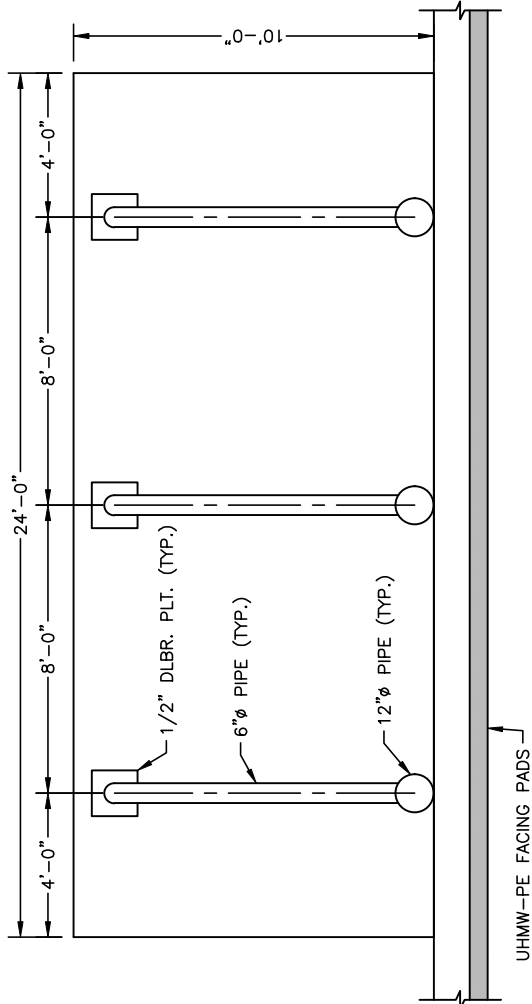


**PICCIOLA & ASSOCIATES, INC.**

CIVIL ENGINEERS  
LAND SURVEYORS

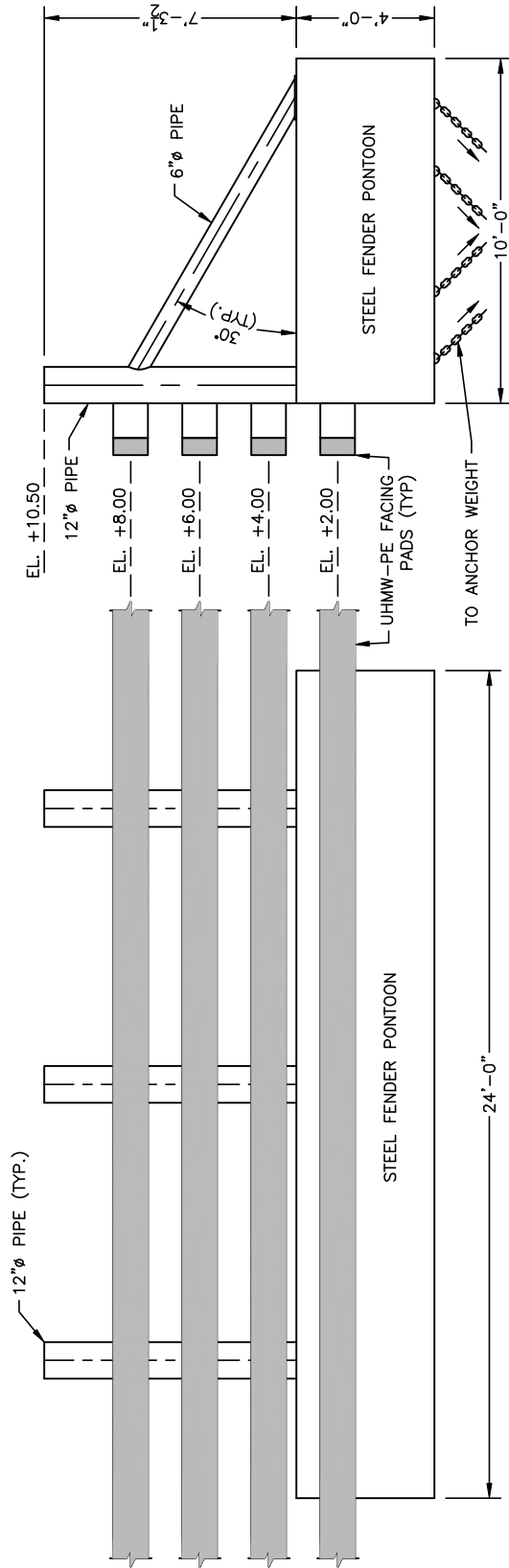
NAVAL ARCHITECTS  
MARINE ENGINEERS

P.O. BOX 687  
CUT OFF, LOUISIANA 70345  
(865) 632-5766



REMOVABLE GUIDE WALL DETAIL -- PLAN VIEW

SCALE: 3/16" = 1'-0"



REMOVABLE GUIDE WALL DETAIL -- ELEVATION VIEW

SCALE: 3/16" = 1'-0"

REMOVABLE GUIDE WALL DETAIL -- SECTION

SCALE: 3/16" = 1'-0"

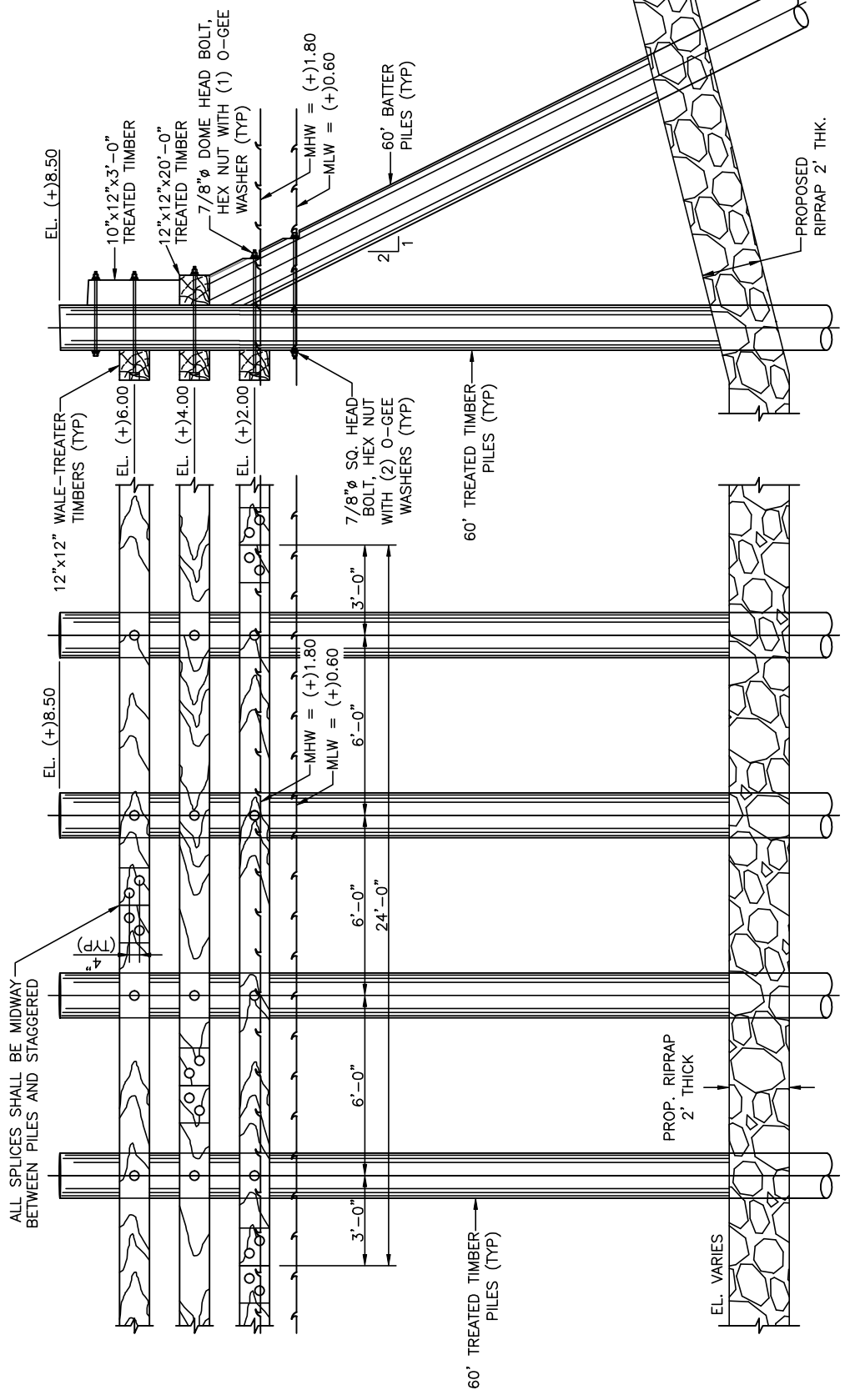




**PICCIOLA & ASSOCIATES, INC.**  
 CIVIL ENGINEERS      NAVAL ARCHITECTS  
 LAND SURVEYORS      MARINE ENGINEERS

P.O. BOX 687  
 CUT OFF, LOUISIANA 70345  
 (985) 632-5786

REV: 06-29-23  
 DATE: 07-17-20



**FENDER-SECTION VIEW**  
 SCALE: 3/16" = 1'-0"

**FENDER DETAIL-ELEVATION VIEW**  
 SCALE: 3/16" = 1'-0"

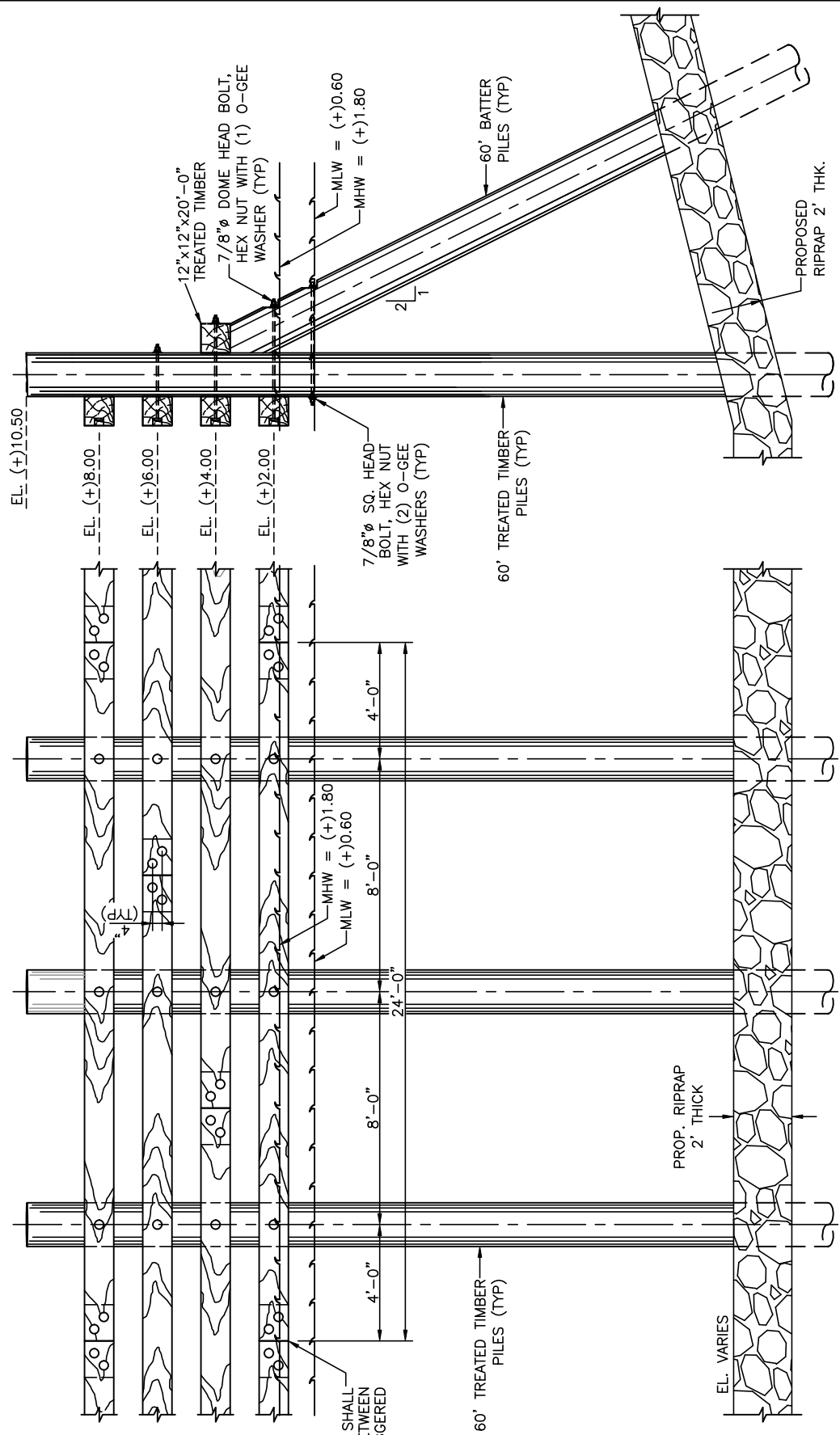
**NOTES:**

1. ALL TIMBER PILES SHALL BE SOUTHERN YELLOW PINE CONFORMING TO ASTM SPECIFICATION D25. PILES SHALL BE TREATED BY THE EMPTY CELL PRESSURE PROCESS USING 2.5 CCA PRESERVATIVE CONFORMING TO AWPA SPECIFICATION P-1. PILES REQUIRING PRESERVATIVE RETENTION OF 12 POUNDS PER CUBIC FOOT SHALL BE TREATED IN ACCORDANCE WITH AWPA SPECIFICATIONS C1 AND C3.
2. ALL HARDWARE HARDWARE UTILIZED IN THE CONSTRUCTION OF THE FENDER SYSTEM SHALL BE HOT DIPPED GALVANIZED.
3. FENDER PANEL SHOWN IS A TYPICAL FOUR PILE FENDER PANEL; SOME FENDER PANELS MAY BE SIMILAR WITH SOME VARIATIONS IN PILE SPACING AND PANEL LENGTH.



**PICCIOLA & ASSOCIATES, INC.**  
 CIVIL ENGINEERS      NAVAL ARCHITECTS  
 LAND SURVEYORS      MARINE ENGINEERS

P.O. BOX 687  
 CUT OFF, LOUISIANA 70345  
 (985) 632-5786



GUIDE WALL-ELEVATION VIEW (TYPE III SHOWN)  
 SCALE: 3/16" = 1'-0"

GUIDE WALL-SECTION VIEW (TYPE III)  
 SCALE: 3/16" = 1'-0"

**NOTES:**

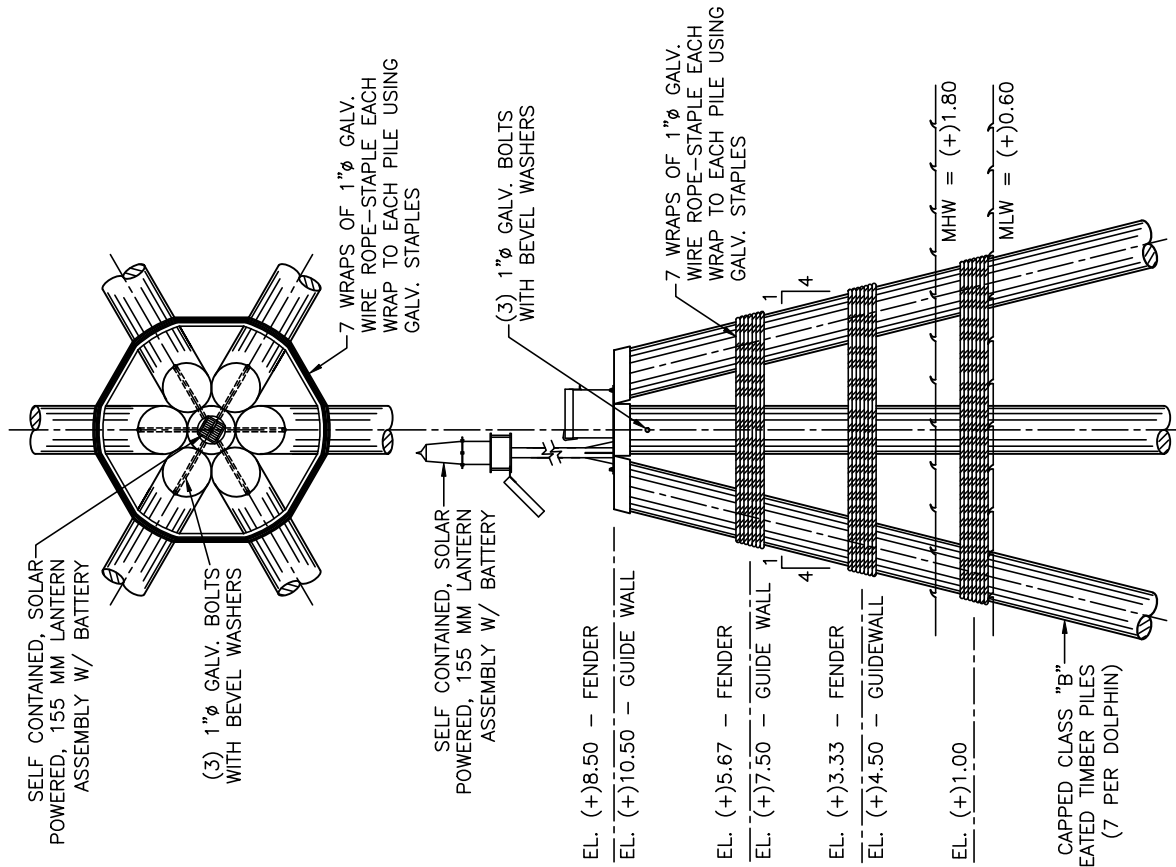
1. SEE NOTE NO. 1, SHEET 13 FOR MORE INFORMATION ON TREATED TIMBERS.
2. ALL HARDWARE HARDWARE AND STRUCTURAL STEEL UTILIZED IN THE CONSTRUCTION OF THE GUDE WALLS SHALL BE HOT DIPPED GALVANIZED.
3. GUIDE WALL PANEL SHOWN IS A TYPICAL THREE PILE PANEL; OTHER PANELS MAY BE SIMILAR WITH SOME VARIATIONS IN PILE SPACING AND PANEL LENGTH.

REV: 06-29-23  
 DATE: 07-17-20



**PICCIOLA & ASSOCIATES, INC.**  
 CIVIL ENGINEERS      NAVAL ARCHITECTS  
 LAND SURVEYORS      MARINE ENGINEERS

P.O. BOX 687  
 CUT OFF, LOUISIANA 70345  
 (865) 632-5786

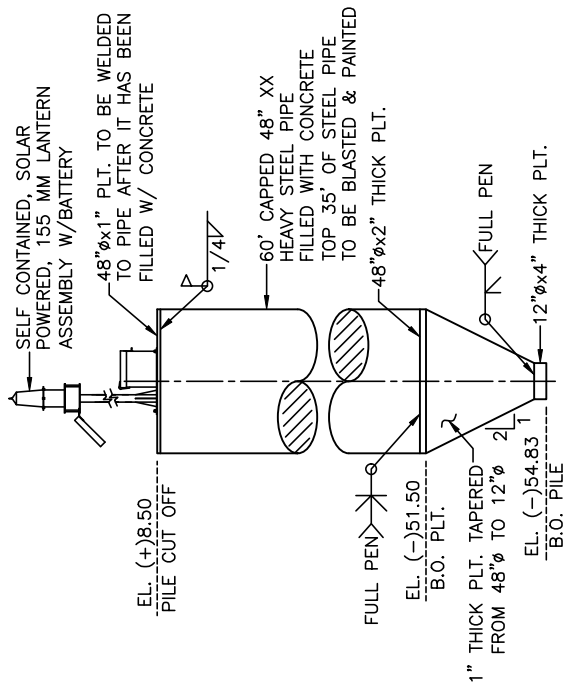


**DOLPHIN DETAIL (TYPICAL)**

SCALE: 1/4" = 1'-0"

**NOTES:**

- ALL TIMBER PILES SHALL BE SOUTHERN YELLOW PINE CONFORMING TO ASTM SPECIFICATION D25. PILES SHALL BE TREATED BY THE EMPTY CELL PRESSURE PROCESS USING 2.5 CCA PRESERVATIVE CONFORMING TO AWPA SPECIFICATION P-1. PILES REQUIRING PRESERVATIVE RETENTION OF 12 POUNDS PER CUBIC FOOT SHALL BE TREATED IN ACCORDANCE WITH AWPA SPECIFICATIONS C1 AND C3.
- ALL HARDWARE HARDWARE UTILIZED IN THE CONSTRUCTION OF THE DOLPHINS AND CAISSONS SHALL BE HOT DIPPED GALVANIZED.



**CAISSON DETAIL (TYPICAL)**

SCALE: 3/16" = 1'-0"