



REPLY TO  
ATTENTION OF

DEPARTMENT OF THE ARMY  
CORPS OF ENGINEERS, MOBILE DISTRICT  
P.O. BOX 2288  
MOBILE, AL 36628-0001

CESAM RD-A  
PUBLIC NOTICE NO. SAM-2018-01099-GAC

December 5, 2019

JOINT PUBLIC NOTICE  
U.S. ARMY CORPS OF ENGINEERS AND  
STATE OF ALABAMA  
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

**REQUEST TO DISCHARGE FILL MATERIAL INTO 2.3 ACRES OF OPEN WATERS IN  
CONJUNCTION WITH THE REHABILITATION OF AN EXISTING COMMERCIAL PIER AT  
THE ALABAMA STATE DOCKS FACILITIES IN MOBILE, MOBILE COUNTY, ALABAMA**

TO WHOM IT MAY CONCERN: This District has received an application for a Department of the Army (DA) permit pursuant to Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. 403), and Section 404 of the Clean Water Act (33 U.S.C. 1344). Please communicate this information to interested parties.

APPLICANT: **Alabama State Port Authority**  
**Attention: Mr. Robert Harris, P.E.**  
**Post Office Box 1588**  
**Mobile, Alabama 36633**

AGENT: **Mr. Mott MacDonald**  
**Attention: Mr. Lowry J. Denty, P.E.**  
**220 West Garden Street, Suite 700**  
**Pensacola, Florida 32502**

LOCATION: **Mobile River, State Docks Road, Latitude 30.708752° North, Longitude -88.042064° West; Township 4 South, Range 1 West; Mobile, Mobile County, Alabama.**

PROJECT PURPOSE: **The basic project purpose is to rehabilitate an existing commercial pier. The overall project purpose is to repair and upgrade the existing Pier B structure to meet current and long-term Alabama State Port Authority facility needs.**

PROPOSED WORK: **The applicant proposes to discharge approximately 100,000 cubic yards of commercially-obtained fine sandy fill material into a total of 2.3 acres of open waters within the footprint of an existing commercial pier for the construction of a new 2,000-linear-foot-long anchored bulkhead pier in order to meet target live load capacities, reduce long term maintenance costs, and allow for future upgrades. The project would involve demolition of the existing concrete pier and the construction of a new pier within the footprint of the existing pier. The proposed new pier would consist of an anchored combined steel sheet pile bulkhead and new reinforced concrete slab on grade to match the existing elevation of the current pier structure. Vibro-compaction of the backfill material will be conducted to improve the geotechnical properties of the clean sand backfill.**

**AVOIDANCE AND MINIMIZATION:** The applicant has proposed to utilize anchored turbidity curtains to enclose the pier demolition and construction area. Turbidity curtains would conform to the standards provided in the Alabama Handbook for Erosion Control and Stormwater Management on Construction Sites and Urban Areas. The applicant has stated that due to the use of turbidity curtains and the type of proposed backfill material, turbidity levels in Mobile River would not be expected to significantly increase as a result of the project. The U.S. Army Corps of Engineers (USACE), Mobile District has not verified the adequacy of the applicant's avoidance and minimization efforts at this time.

**MITIGATION:** The provision of compensatory mitigation has not been proposed, as the project would not result in the discharge of fill material into any special aquatic sites.

**WATER QUALITY/COASTAL ZONE MANAGEMENT:** The applicant has applied for certification from the State of Alabama in accordance with Section 401(a)(1) of the Clean Water Act, as well as Coastal Zone Management (CZM) consistency certification in accordance with the Alabama Coastal Zone Management Program. Upon completion of the required advertising and public comment review, a determination relative to water quality certification and CZM consistency will be made by the Alabama Department of Environmental Management (ADEM).

**HISTORIC PROPERTIES:** In accordance with Section 106 of the National Historic Preservation Act and Appendix C of 33 CFR Part 325, the undertaking defined in this notice is being considered for the potential to affect cultural and historic properties within the permit area. In accordance with Appendix C of 33 CFR Part 325, the Mobile District has determined the permit area consists of the entire undertaking in waters of the United States, which includes the footprint of the proposed fill areas and portions of the adjacent property that would be utilized for construction access and equipment and materials staging. The National Register of Historic Places will be consulted for properties listed, or eligible for listing, in the National Register, which are known to exist and would be affected by the proposed work. The Mobile District is seeking comment from the State Historic Preservation Officer regarding the existence, or the potential for existence, of significant cultural and historic properties within the permit area.

**ESSENTIAL FISH HABITAT:** This notice initiates the Essential Fish Habitat (EFH) consultation requirements of the Magnuson-Stevens Fishery Conservation and Management Act. The project includes natural estuarine substrate and water column utilized by various life stages of various marine species. Our initial determination is that the proposed action would not adversely affect EFH or federally managed fisheries due to the commercial/industrial setting and existing modified conditions within the project area. Our final determination relative to project impacts and the need for mitigative measures is subject to review by and coordination with the National Marine Fisheries Service.

**ENDANGERED SPECIES:** Preliminary review of this application and the U.S. Department of the Interior's List of Endangered and Threatened Wildlife and Plants indicate that the proposed activity may affect, but is not likely to adversely affect the West Indian manatee (T) and Gulf sturgeon (T), and will have no effect on the following listed endangered or threatened species with the potential to exist within the action area: wood stork (T), Alabama red-bellied turtle (E), and eastern indigo snake (T). There is no designated critical habitat within the project action area. To minimize potential effects to the West Indian manatee, the applicant would be required to follow standard manatee conditions for in-water construction activities. To minimize potential effects to Gulf sturgeon, turbidity curtains would be utilized to limit access to construction areas and to prevent suspended particulates in the adjacent waterway. This determination is being coordinated with the U.S. Fish and Wildlife Service (USFWS) via this Public Notice. Further coordination with the USFWS will be performed as determined to be appropriate.

**COMMENTS:** This public notice is being distributed to all known interested persons in order to assist in developing facts on which a decision by the USACE can be based. The Mobile District 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 USACE to determine whether to issue, 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 the other public interest factors listed below. 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. Any person may request, 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. For accuracy and completeness of the record, all data in support of or in opposition to the proposed work should be submitted in writing, setting forth sufficient detail to furnish a clear understanding of the reasons for support or opposition.

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 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, flood plain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, and in general, the needs and welfare of the people. Evaluation of the probable impacts involving deposits of dredged or fill material into waters of the United States will also include the application of guidelines established by the Administrator of the U.S. Environmental Protection Agency.

Correspondence concerning this notice should refer to Public Notice Number **SAM-2018-01099-GAC**, and should be directed to the District Engineer, Mobile District, Regulatory Division, Attention: **Mr. Dylan C. Hendrix**, Post Office Box 2288, Mobile, Alabama 36628-0001, or by e-mail at [dylan.c.hendrix@usace.army.mil](mailto:dylan.c.hendrix@usace.army.mil), or (251) 694-3772. Copies of all comments should be furnished to the ADEM at [coastal@adem.alabama.gov](mailto:coastal@adem.alabama.gov), or sent to: Alabama Department of Environmental Management, Mobile Branch, Coastal Section, 3664 Dauphin Street, Suite B, Mobile, Alabama 36608.

**All comments should be received no later than 30 days from the date of this Public Notice.** Please refer to the above Public Notice Number SAM-2018-01099-GAC, in any communication concerning this project.

For additional information about our Regulatory Program, please visit our web site at [www.sam.usace.army.mil/Missions/Regulatory.aspx](http://www.sam.usace.army.mil/Missions/Regulatory.aspx).

MOBILE DISTRICT  
U.S. Army Corps of Engineers

Attachments

# ALABAMA STATE PORT AUTHORITY

## MOBILE RIVER PIER B SOUTH REHABILITATION ALTERNATIVE CONCEPTS MOBILE, ALABAMA

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G-2 GENERAL NOTES

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S-102 **PREFERRED** NG STRUCTURE PLAN  
S-103 **PREFERRED** ENTS 1-76

#### ALTERNATIVE 2 - UPGRADE EXISTING STRUCTURE

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S-202 **PREFERRED** UCTURE PLAN  
S-203 **PREFERRED**

#### ALTERNATIVE 3 - NEW ELEVATED PIER

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S-302 **PREFERRED** PLAN  
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S-402 ALT 4 NEW SHEETPILE BULKHEAD PLAN  
S-403 ALT 4 NEW BULKHEAD TYPICAL SECTION



PROJECT LOCATION



PROJECT LOCATION

LOCATION MAP

NTS



Mott MacDonald Alabama, LLC  
107 St. Francis Street  
Suite 2000  
Mobile, Alabama 36602  
United States of America  
Telephone: (251) 338-3988  
www.mottmac.com/alamerica

Cient  
ALABAMA STATE  
PORT AUTHORITY  
  
MOBILE, ALABAMA

Rev	Date	By	Check	Description	LD	ACBP	App'd
1	11-1-2018	BUL		ALTERNATIVE 1 REPORT			

PRELIMINARY  
NOT FOR  
CONSTRUCTION

Project Number  
397324

B/C

To all

Designed	KP CL/MT	Eng Check	L. DENTY
Drawn	RC	Coordination	LD LD
Dwg Check	LD	Approved	ACBP
Scale at ANSI D	Status	Rev	Security
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Drawing Number	G-1		

Title  
MOBILE RIVER PIER B SOUTH  
REHABILITATION  
COVER SHEET

Figure 1 - SAM-2018-01099-GAC



# GENERAL NOTES

- PIER B SOUTH IS LOCATED AT THE MAIN DOCKS FACILITY IN MOBILE, ALABAMA AND IS PART OF THE FACILITIES OF THE ALABAMA STATE PORT AUTHORITY (ASPA). THE PIER WAS BUILT IN THE LATE 1920'S AND HAS NOT UNDERGONE MAJOR RENOVATIONS OR UPGRADES DURING ITS LIFE. IN DECEMBER 2017, THE ASPA COMMISSIONED A LEVEL 1 CONDITION SURVEY OF THE PIER TO APTIM ENVIRONMENTAL AND INFRASTRUCTURE, INC. THE CONDITION SURVEY REPORT RECOMMENDED THAT A LONG-TERM REHABILITATION PLAN BE IMPLEMENTED TO ADDRESS THE DAMAGE AND DETERIORATION OBSERVED DURING THE SURVEY. OVERALL, CONDITION OF PIER B SOUTH WAS DESCRIBED AS POOR BY THE REPORT AND IT ALSO NOTES THAT SOME AREAS NEED IMMEDIATE REPAIR OR REPLACEMENT. FOLLOWING THE RECOMMENDATIONS OF THE REPORT, THE ASPA COMMISSIONED TO MOTT MACDONALD THE PIER B SOUTH REHABILITATION PROJECT WHICH ENTAILS DESIGNING A COMPREHENSIVE REPAIR AND REHABILITATION PROGRAM FOR THE PIER AND POTENTIALLY INCREASING ITS STRUCTURAL CAPACITY.
- THE PURPOSE OF THE PIER B SOUTH REHABILITATION ALTERNATIVES DRAWINGS IS TO SUMMARIZE DIFFERENT DESIGN OPTIONS FOR THE REHABILITATION OF THE PIER B SOUTH, AS PART OF THE REPORT. FOUR REHABILITATION ALTERNATIVES WILL BE EVALUATED: REPAIR IN KIND, REPAIR AND STRENGTHEN, NEW ELEVATED OPEN PIER AND NEW ANCHORED BULKHEAD PIER.
- THE MAIN FACTORS TO BE CONSIDERED DURING THE EVALUATION OF EACH ALTERNATIVE ARE: STRUCTURAL CAPACITY TO RESIST OPERATIONAL LOADS SUCH AS BERTHING, MOORING, CARGO HANDLING AND STACKING; CONSTRUCTIBILITY; DURABILITY; CONSTRUCTION COST AND SCHEDULE. A FINAL DECISION AS TO THE DIRECTION OF THE DETAILED REHABILITATION DESIGN TO BE UNDERTAKEN BY THE ASPA FOR PIER B SOUTH WILL BE BASED ON THE EVALUATION RECOMMENDATIONS PROVIDED IN THE ALTERNATIVES REPORT, AND THESE DRAWINGS.
- DISPOSE OF ALL DEBRIS IN AN APPROVED DISPOSAL FACILITY.

# PROJECT DATUM AND SURVEY INFORMATION

- THE FOLLOWING TIDE LEVELS ARE REFERENCED TO NAVD 88 FROM NOAA STATION - MOBILE STATE DOCKS, AL-STATION ID 8737048.

Table 1 - Tidal Range

Water Level Condition	MLLW Elevation	NAVD 88 Elevation
Mean Lower Low Water Elev	0.0' (Datum)	-0.49'
NAVD88	0.49'	0.0' (Datum)
Mean Higher High Water	1.65'	1.16'
Mean Sea Level	0.82'	0.33'
Mean Low Water	0.09'	-0.40'
Highest Astronomical Tide	2.31'	1.87'
Lowest Astronomical Tide	-1.21'	-1.70'

- STRUCTURE ELEVATIONS WERE OBTAINED FROM A TOPOGRAPHIC SURVEY CONDUCTED BY LAWLER AND COMPANY, DATED 11 SEPT 2018.
- ALL ELEVATIONS ARE REFERENCED TO NAVD 88.

# ENVIRONMENTAL PERMITS

- ALL CONSTRUCTION SHALL IMPLEMENT AND ABIDE BY ALL REGULATORY AND ENVIRONMENTAL REQUIREMENTS AS SPECIFIED IN THE ENVIRONMENTAL PERMITS SECURED BY THE PORT FOR THE PROJECT.

# GEOTECHNICAL INVESTIGATION

- GEOTECHNICAL INVESTIGATIONS WERE UNDERTAKEN BY GEOTECHNICAL ENGINEERING - TESTING, INC. (GETI). THESE INVESTIGATIONS CONSISTED OF DRILLING A SERIES OF ONSHORE BOREHOLES ON AND TO DEVELOP THE GEOTECHNICAL DESIGN PARAMETERS ASSOCIATED WITH THE SITE PREPARATION AND STRUCTURAL FOUNDATION DESIGN OF PIER B SOUTH. AVAILABLE GEOTECHNICAL INFORMATION IS PROVIDED BY GETI IN THEIR DRAFT "REPORT OF GEOTECHNICAL ENGINEERING SERVICES" DATED 10-24-2018.

# PIER LIVE LOAD AND EQUIPMENT LOADING

## LIVE LOAD SURCHARGE

ALTERNATIVE 1	400/700 PSF LIVE LOAD
ALTERNATIVES 2, 3, & 4	1000 PSF LIVE LOAD

## EQUIPMENT LOADING

### ALTERNATIVE 1

Forklift Size	Taylor TX-360L (36,000 lbs)
Front Axle Load	Static with rated load 71,000 lbs
Tire Size	Front 12.00 x 20 - 18 PR

### ALTERNATIVES 2, 3, & 4

Forklift Size	Taylor THDC-975 (90,000 lbs)
Front Axle Load	Static with rated load 233,000 lbs
Tire Size	18.00 x 25 - 40 PR Lug Tread

## RAIL LOADING

ALTERNATIVE 1	NO RAIL LOADING CONSIDERED
ALTERNATIVES 2, 3, & 4	8000 LB/FT

# ABBREVIATIONS

AP	ALIGNMENT POINT
APPROX	APPROXIMATELY
BL	BORING LOCATION
BM	BENCHMARK
B.O.	BOTTOM OF
B.W.	BOTH WAYS
BW	BULKHEAD WALL WORKING POINT
C	CENTERLINE
CIP	CAST-IN PLACE
CLR	CLEAR
CONC	CONCRETE
CJ	CONSTRUCTION JOINT
DIA	DIAMETER
EA	EACH
E.S.	EACH SIDE
E.W.	EACH WAY
EL	ELEVATION
EXIST	EXISTING
FT	FEET
GALV	GALVANIZED
HDPW	HIGH DENSITY POLYETHYLENE
MLW	MEAN LOW WATER
MAX	MAXIMUM
MIN	MINIMUM
O.C.	ON CENTER
O&M	OPERATIONS AND MAINTENANCE
SS	STAINLESS STEEL
STA	STATION
STD	STANDARD
T	TOP OF
T.O.C.	TOP OF CAP
T.O.S.	TOP OF STEEL
TYP	TYPICAL
UHMW	ULTRA HIGH MOLECULAR WEIGHT POLYETHYLENE
WP	WORKING POINT
W	WITH
XS	EXTRA STRONG (WALL)
@	AT
-	MINUTES OR FEET SECONDS OR INCHES

# SYMBOL LEGEND

	PROPERTY LINE
	PROJECT BOUNDARY LINE
	DREDGING LIMITS
	BENCHMARK
	BORING LOCATION
<b>SHEET SYMBOLS</b>	
	DETAIL DESIGNATION
	SHEET LOCATED ON
	SHEET CALLED FROM
<b>DETAIL</b>	
	DETAIL DESIGNATION
	SHEET LOCATED ON
	SHEET CALLED FROM
<b>SECTION</b>	

**M M**  
MOTT  
MACDONALD

Mott MacDonald Alabama, LLC  
107 St. Francis Street  
Suite 2000  
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United States of America  
Telephone: (251) 935-3966  
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Cient  
**ALABAMA STATE  
PORT AUTHORITY**  
  
MOBILE, ALABAMA

Rev	Date	Drawn	Description	LD	ACBP	CRVNS	Appd
1	11-1-2018	SL	ALTERNATIVES REPORT				

Project Number

**PRELIMINARY  
NOT FOR  
CONSTRUCTION**

397324

S/C

To: 11

Designed	VP CLM/T	Eng Check	L DENTY
Drawn	RC	Coordination	LD
Deep Check	LD	Approved	ACBP
Scale at ANSI D	NO SCALE	Rev	Security
Drawing Number	G-2		

Title  
**MOBILE RIVER PIER B SOUTH  
REHABILITATION**  
  
GENERAL NOTES

Figure 2 - SAM-2018-01099-GAC





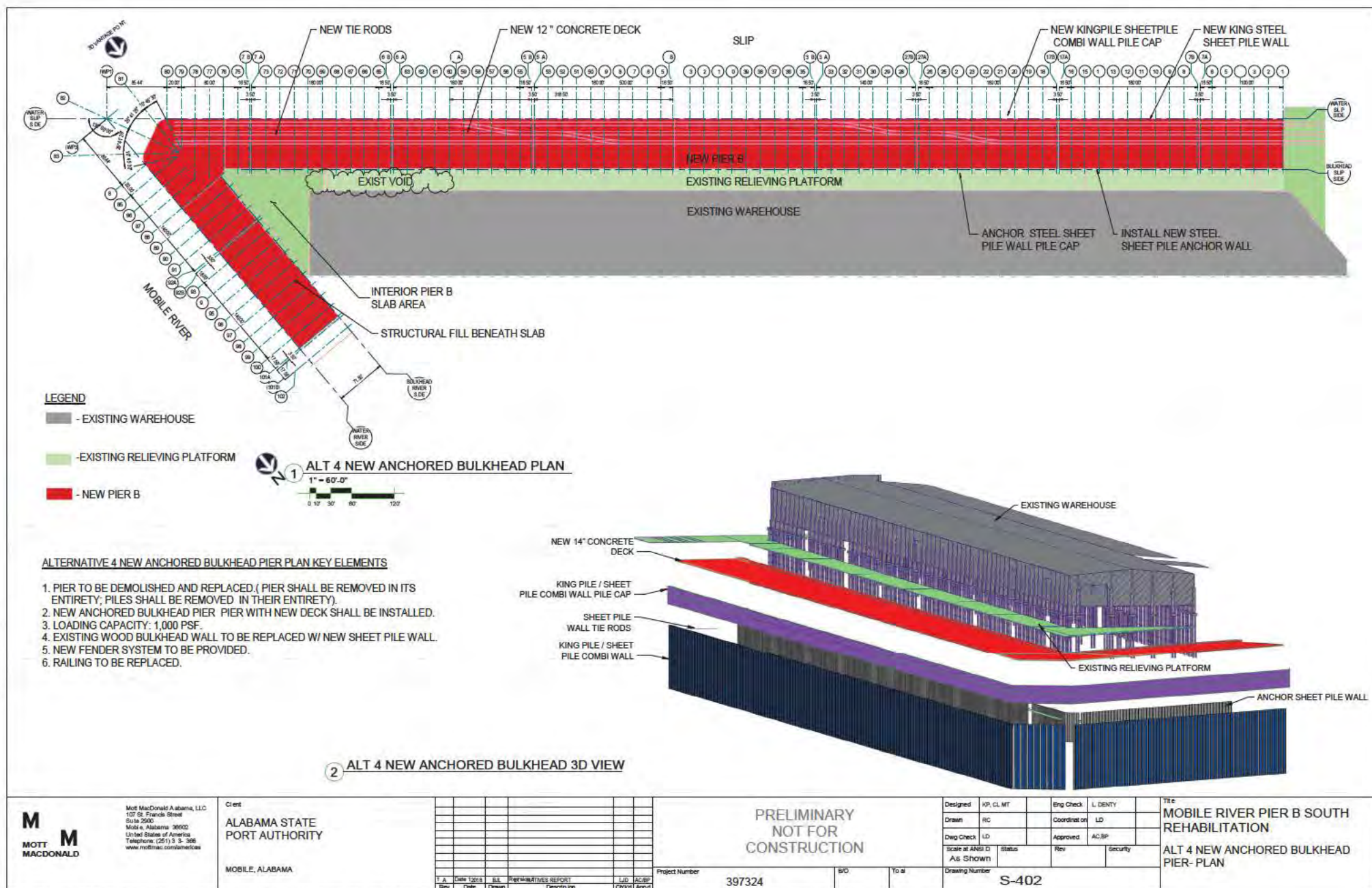


Figure 4 - SAM-2018-01099-GAC









