

JOINT PUBLIC NOTICE

March 27, 2017

United States Army
Corps of Engineers
New Orleans District
Regulatory Branch
7400 Leake Avenue
New Orleans, Louisiana 70118

State of Louisiana
Department of Environmental Quality
ATTN: Water Quality Certifications
Post Office Box 4313
Baton Rouge, Louisiana 70821-4313

(504) 862-1280
Brandon.D.Gaspard@usace.army.mil
Project Manager
Brandon Gaspard
Permit Application Number
MVN 1997-00353-MG

(225) 219-3225/FAX (225) 325-8250
Elizabeth.Hill@la.gov
Project Manager
Elizabeth Hill
WQC Application Number
WQC 170327-01

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

Application has also been made to the Louisiana Department of Environmental Quality, Water Quality Certifications, for a Water Quality Certification (WQC) in accordance with statutory authority contained in LRS30:2047 A(3), and provisions of Section 401 of the Clean Water Act (P.L.95-17).

BULK TERMINAL NUMBER 1 EXPANSION PROJECT IN CALCASIEU PARISH

NAME OF APPLICANT: Lake Charles Harbor and Terminal District, C/O: Gahagan & Bryant Associates, Inc., Ms. Dana Cheney, at 9330 Kirby Drive, Suite 100, Houston, TX 77054.

LOCATION OF WORK: Located off of Bayou D'Inde Road on the Calcasieu Ship Channel, in Westlake Louisiana, Calcasieu Parish, Louisiana, as shown on the enclosed drawings.

Location: Latitude: 30.19528/Longitude: -93.29278
Hydrologic Unit Code: 08080206 – Lower Calcasieu. LA.

CHARACTER OF WORK: The applicant proposed to modify the existing permit to extend the length of the patented open cell design bulkhead that will be used for shoreline stabilization. The applicant has cited the change in bulkhead design as a necessity in preparation for the deposition of dredge material into Disposal Area #6. Approximately 150,000 cubic yards of dredged material will be placed behind the bulkhead for stabilization, permanently impacting 4.45 acres of fresh marsh. The applicant proposes to purchase mitigation credits from a mitigation bank to offset any unavoidable losses to wetland functions cause by project implementation.

The comment period for the Department of the Army Permit and the Louisiana Department of Environmental Quality WQC will close **20 days** from the date of this joint 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 and/or this WQC request and must be mailed so as to be received before or by the last day of the comment period. Letters concerning the Corps of Engineers permit application must reference the applicant's name and the Permit Application Number, and be mailed to the Corps of Engineers at the address above, **ATTENTION: REGULATORY BRANCH**. Similar letters concerning the Water Quality Certification must reference the applicant's name and the WQC Application number and be mailed to the Louisiana Department of Environmental Quality at the address above. **Individuals or parties may request an extension of time in which to comment on the proposed work by writing or e-mailing the Corps of Engineers Project Manager listed above. Any request must be specific and substantively supportive of the requested extension, and received by this office prior to the end of the initial comment period. The Section Chief will review the request and the requestor will be promptly notified of the decision to grant or deny the request. If granted, the time extension will be continuous to the initial comment period and, inclusive of the initial comment period, will not exceed a total of 30 calendar days.**

The application for this proposed project is on file with the Louisiana Department of Environmental Quality and may be examined during weekdays between 8:00 a.m. and 4:30 p.m. Copies may be obtained upon payment of costs of reproduction.

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.

The New Orleans District is unaware of properties listed on the National Register of Historic Places near the proposed work. The possibility exists that the proposed work may damage or destroy presently unknown archeological, scientific, prehistorical, historical sites, or data. A copy of this public notice is sent to the State Archeologist and State Historic Preservation Officer soliciting input on potential impacts to cultural resources.

Our initial finding is that the proposed work will have no effect any species listed as endangered by the U.S. Departments of Interior or Commerce, nor affect any habitat designated as critical to the survival and recovery of any endangered species. Utilizing Standard Local Operating Procedure for Endangered Species in Louisiana (SLOPES) dated October 22, 2014, between the U.S. Army Corps of Engineers, New Orleans and U.S. Fish and Wildlife Service, Ecological Services Office, the Corps has determined that the proposed activity would have no effect on any listed species.

This notice initiates the Essential Fish Habitat (EFH) consultation requirements of the Magnuson-Stevens Fishery Conservation and Management Act. The applicant's proposal would result in the destruction or alteration of 4.45 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 Department of Environmental Quality, Water Quality Certifications, before a permit is issued.

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.

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

Darrell S. Barbara
Chief, Western Evaluation Section
Regulatory Branch

Enclosure

LAKE CHARLES HARBOR & TERMINAL DISTRICT



PERMIT APPLICATION FOR:

BULK TERMINAL NO. 1 EXPANSION PROJECT CALCASIEU PARISH, LOUISIANA

SECTION	SHEET NUMBER	SHEET NAME
GENERAL	00.1	INDEX OF SHEETS
	00.2	PROJECT VICINITY MAP
DREDGING	01.1	DREDGING SITE PLAN
	01.2	DREDGE TEMPLATE
	01.3	TYPICAL SECTIONS A & B
	01.4	TYPICAL SECTIONS C & D
NEW LIQUID & DRY DOCK	02.1	EXISTING SITE PLAN
	02.2	DOLPHIN DEMOLITION PLAN
	02.3	PROPOSED SITE PLAN
	02.4	GENERAL ARRANGEMENT PLAN
	02.5	WHARF EXTENSION
	02.6	LAY BERTH
	02.7	LIQUID DOCK
	02.8	WHARF EXTENSION PLAN
	02.9	WHARF EXTENSION SECTION
	02.10	WHARF EXTENSION BENT DETAIL
	02.11	LAY BERTH PLAN
	02.12	LIQUID DOCK PLAN
	02.13	LIQUID DOCK LOADING PLATFORM PILE PLAN
	02.14	LIQUID DOCK LOADING PLATFORM
	02.15	LIQUID DOCK PLATFORM ELEVATIONS
	02.16	TYPICAL MOORING DOLPHIN PLAN
	02.17	TYPICAL MOORING DOLPHIN ELEVATIONS
	02.18	TYPICAL BREASTING DOLPHIN PLAN
	02.19	TYPICAL BREASTING DOLPHIN ELEVATIONS
	02.20	ACCESS TRESTLE SECTION
	02.21	WALKWAY DETAILS
SHORELINE STABILIZATION	03.1	BULKHEAD LOCATION KEY PLAN
	03.2	PARTIAL BULKHEAD PLAN
	03.3	PARTIAL BULKHEAD PLAN
	03.4	TYPICAL BULKHEAD PLAN & SECTION
MISCELLANEOUS	04.1	USACE JURISDICTIONAL DETERMINATION

FOR PERMITTING

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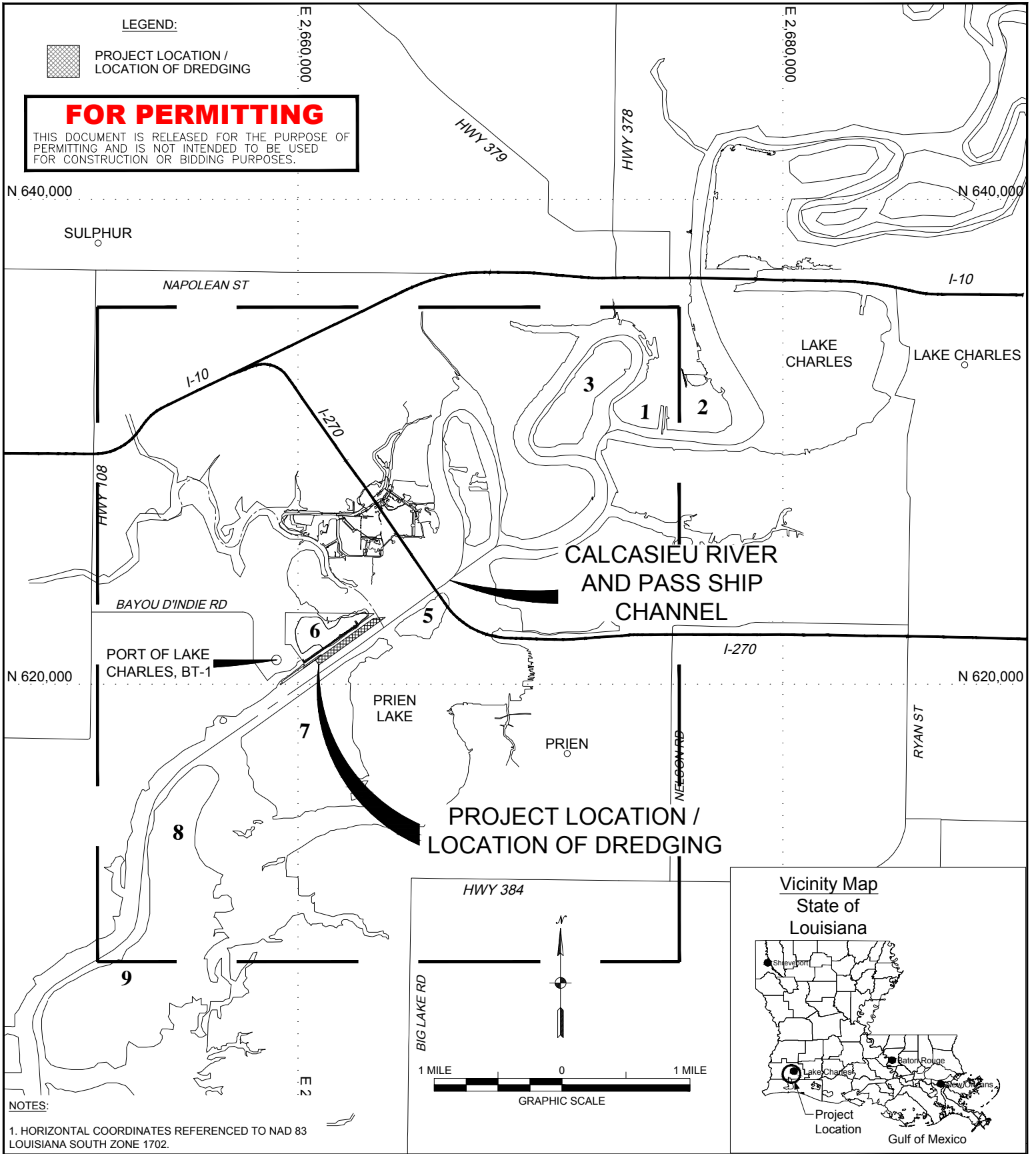
APPLICANT: LAKE CHARLES HARBOR & TERMINAL DISTRICT		Lake Charles Harbor & Terminal District Port of Lake Charles P.O. Box 3753 Lake Charles, LA 70602 337.493.3526 (O) 337.493.3623 (F)	FOR CMD/COE USE ONLY	
PROJECT: PERMIT APPLICATION FOR THE BULK TERMINAL NO. 1 EXPANSION PROJECT WESTLAKE, LOUISIANA			USACE Permit #	
INDEX OF SHEETS		Gahagan & Bryant Associates, Inc. 9330 Kirby Drive, Suite 100 Houston, TX 77054 832.377.4800 (O) 832.377.4802 (F) www.gba-inc.com	Applicant:	
DATE: DECEMBER 20, 2013	PARISH: CALCASIEU	REV.#: 2 DATE: 03/22/17	SCALE: NONE	EXHIBIT: 00.1
FILE: POLC_BT1ExpansionPrj.dwg				

LEGEND:

 PROJECT LOCATION / LOCATION OF DREDGING

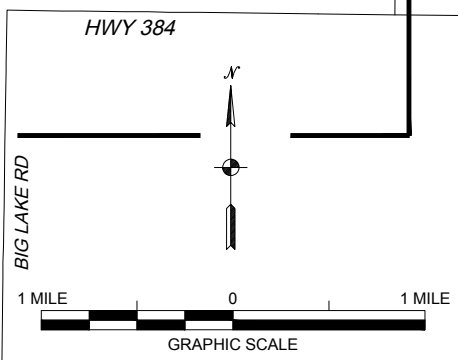
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NOTES:

1. HORIZONTAL COORDINATES REFERENCED TO NAD 83 LOUISIANA SOUTH ZONE 1702.



APPLICANT: LAKE CHARLES HARBOR & TERMINAL DISTRICT
 PROJECT: PERMIT APPLICATION FOR THE BULK TERMINAL NO. 1 EXPANSION PROJECT WESTLAKE, LOUISIANA

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PROJECT VICINITY MAP

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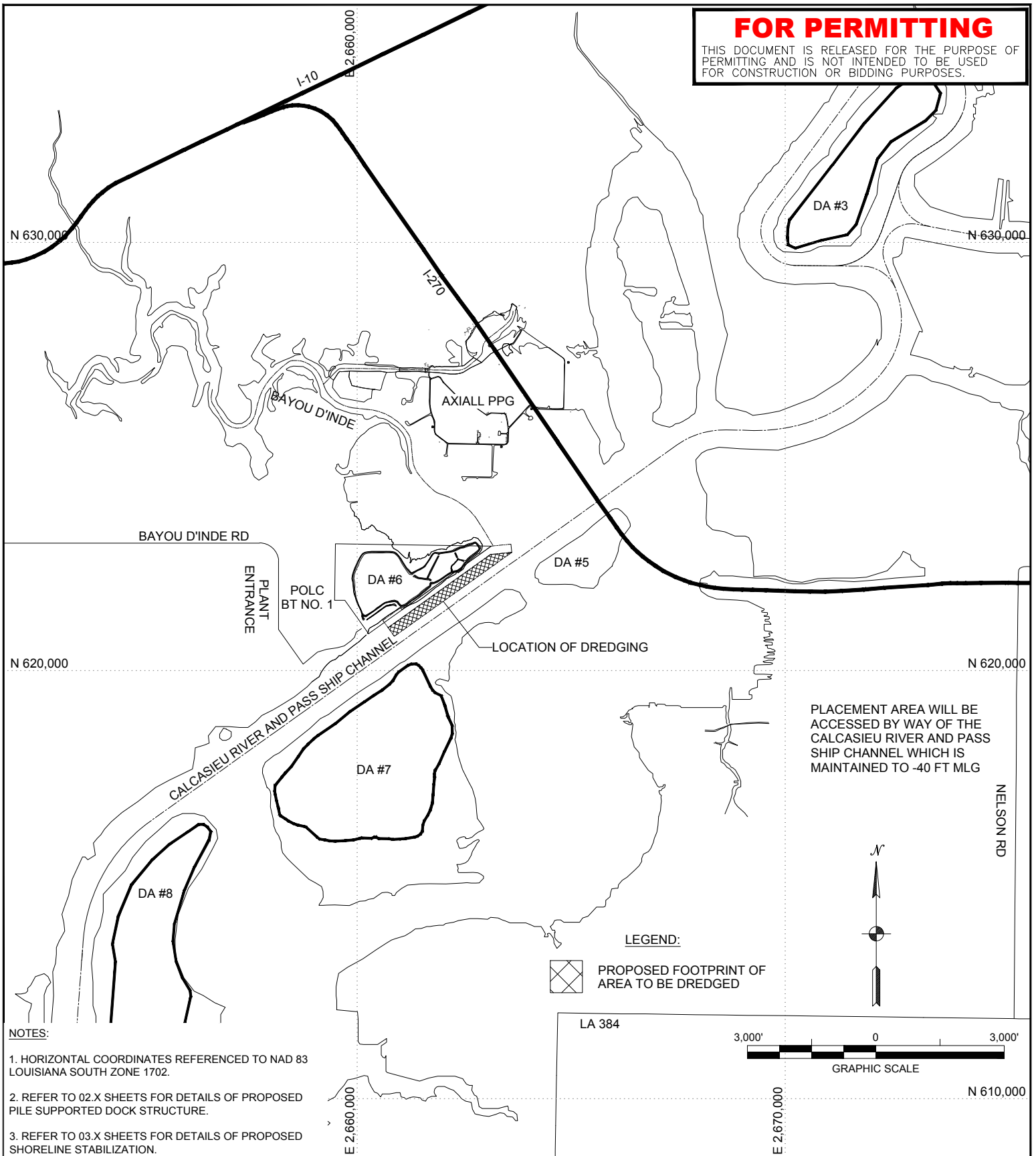


SCALE: AS SHOWN
 EXHIBIT: 00.2

DATE: DECEMBER 20, 2013 PARISH: CALCASIEU REV.#: 1
 DATE: 10/19/16
 FILE: POLC_BT1ExpansionPrj.dwg

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NOTES:

1. HORIZONTAL COORDINATES REFERENCED TO NAD 83 LOUISIANA SOUTH ZONE 1702.
2. REFER TO 02.X SHEETS FOR DETAILS OF PROPOSED PILE SUPPORTED DOCK STRUCTURE.
3. REFER TO 03.X SHEETS FOR DETAILS OF PROPOSED SHORELINE STABILIZATION.

APPLICANT: LAKE CHARLES HARBOR & TERMINAL DISTRICT

PROJECT: PERMIT APPLICATION FOR THE BULK TERMINAL NO. 1 EXPANSION PROJECT WESTLAKE, LOUISIANA

DREDGING SITE PLAN

DATE: DECEMBER 20, 2013 PARISH: CALCASIEU REV.#: 1 DATE: 10/19/16
 FILE: POLC_BT1ExpansionPrj.dwg

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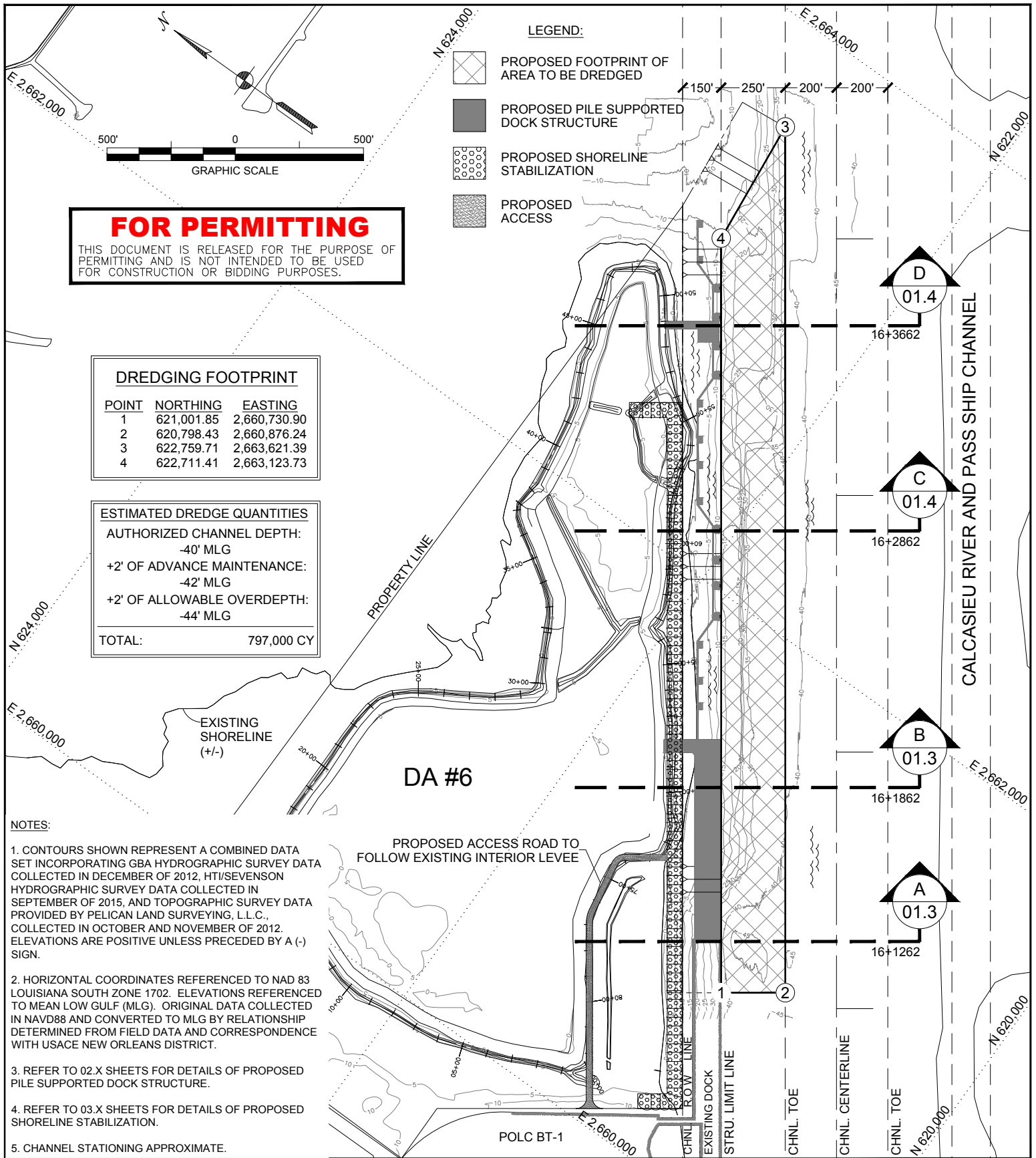


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Applicant:

SCALE: AS SHOWN EXHIBIT: 01.1

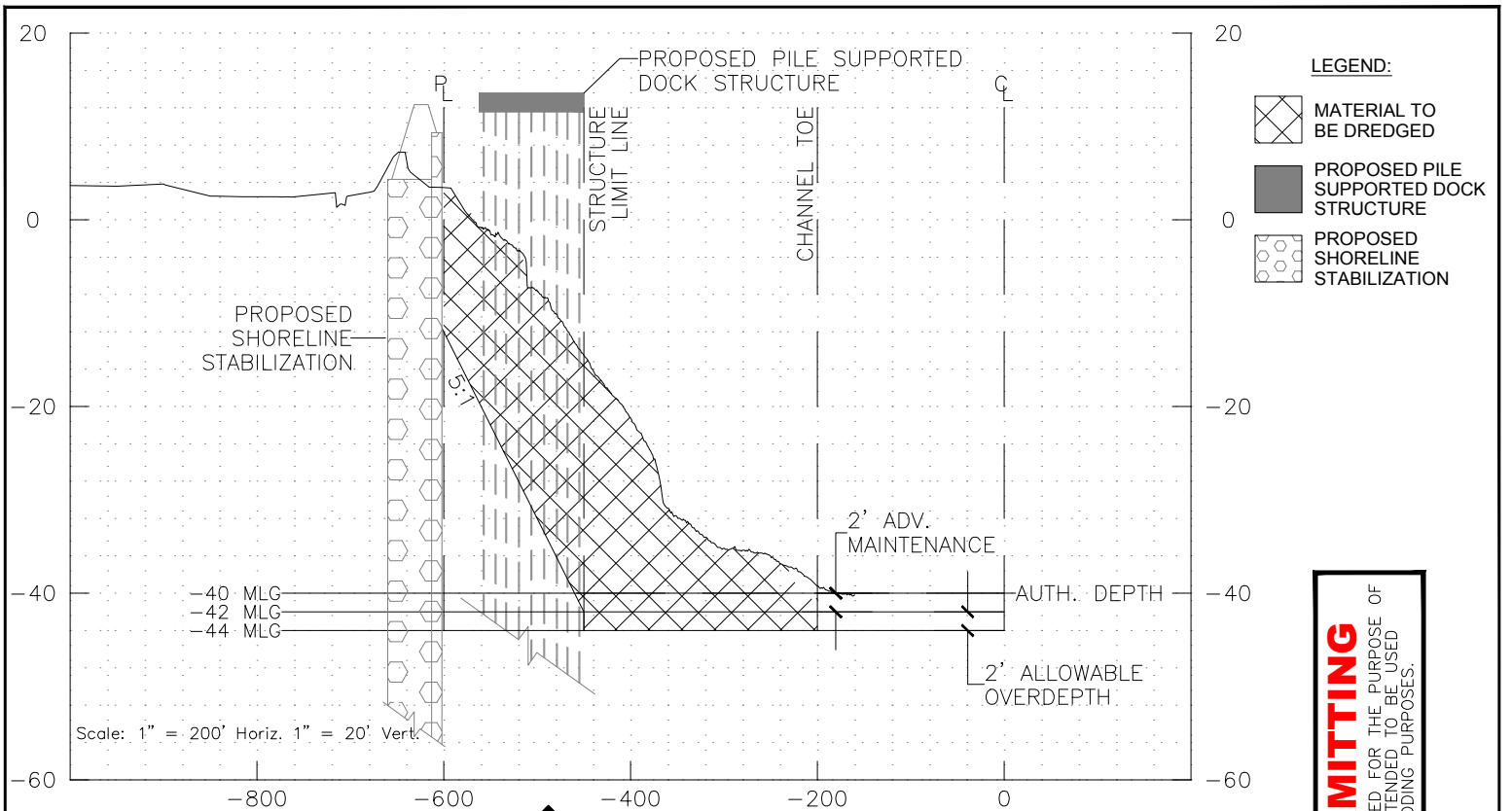


APPLICANT: LAKE CHARLES HARBOR & TERMINAL DISTRICT	
PROJECT: PERMIT APPLICATION FOR THE BULK TERMINAL NO. 1 EXPANSION PROJECT WESTLAKE, LOUISIANA	
DREDGE TEMPLATE	
DATE: DECEMBER 20, 2013	PARISH: CALCASIEU
REV.#: 1	DATE: 10/19/16
FILE: POLC_BT1ExpansionPrj.dwg	

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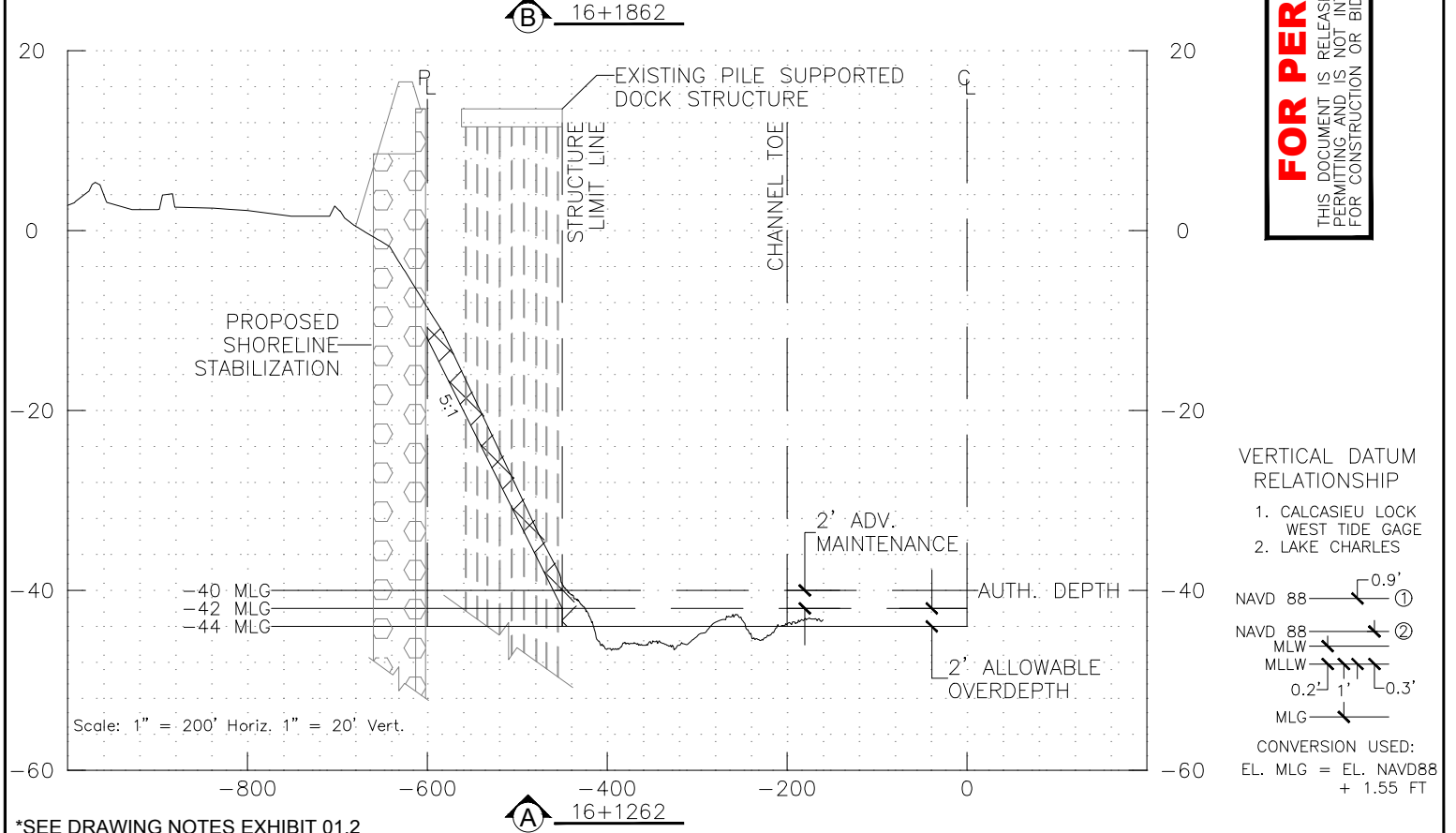
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Applicant:	
SCALE: AS SHOWN	EXHIBIT: 01.2



- LEGEND:**
- MATERIAL TO BE DREDGED
 - PROPOSED PILE SUPPORTED DOCK STRUCTURE
 - PROPOSED SHORELINE STABILIZATION

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- VERTICAL DATUM RELATIONSHIP**
1. CALCASIEU LOCK WEST TIDE GAGE
 2. LAKE CHARLES
- NAVD 88 \rightarrow 0.9' \rightarrow ①
 NAVD 88 \rightarrow ②
 MLW \rightarrow
 MLLW \rightarrow 0.2' \rightarrow 1' \rightarrow 0.3'
 MLG \rightarrow
- CONVERSION USED:
EL. MLG = EL. NAVD88 + 1.55 FT

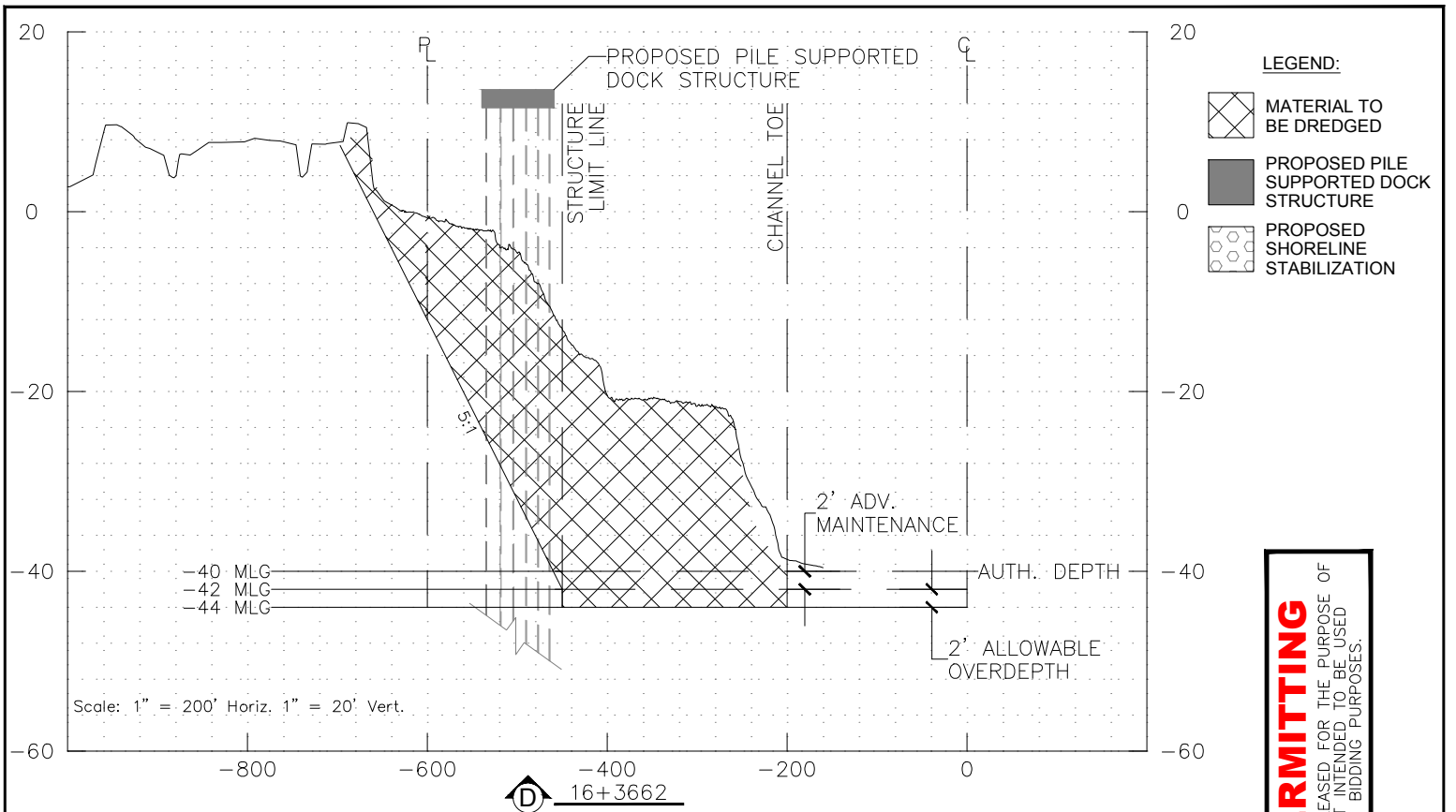
*SEE DRAWING NOTES EXHIBIT 01.2

APPLICANT: LAKE CHARLES HARBOR & TERMINAL DISTRICT			
PROJECT: PERMIT APPLICATION FOR THE BULK TERMINAL NO. 1 EXPANSION PROJECT WESTLAKE, LOUISIANA			
TYPICAL SECTIONS A & B			
DATE: DECEMBER 20, 2013	PARISH: CALCASIEU	REV.#: 1	DATE: 10/19/16
FILE: POLC_BT1ExpansionPrj.dwg			

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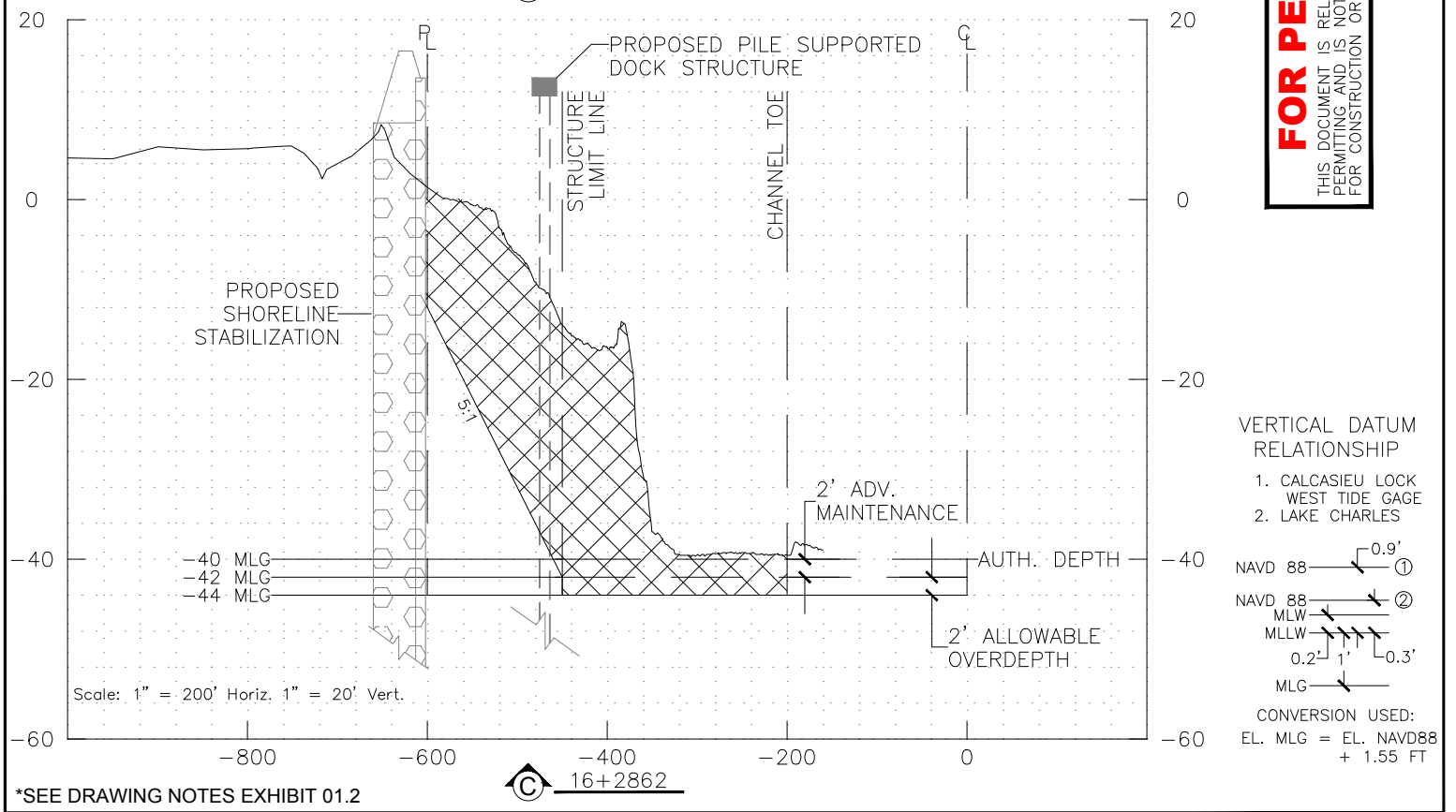
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Applicant:	
SCALE: AS SHOWN	EXHIBIT: 01.3



- LEGEND:**
- MATERIAL TO BE DREDGED
 - PROPOSED PILE SUPPORTED DOCK STRUCTURE
 - PROPOSED SHORELINE STABILIZATION

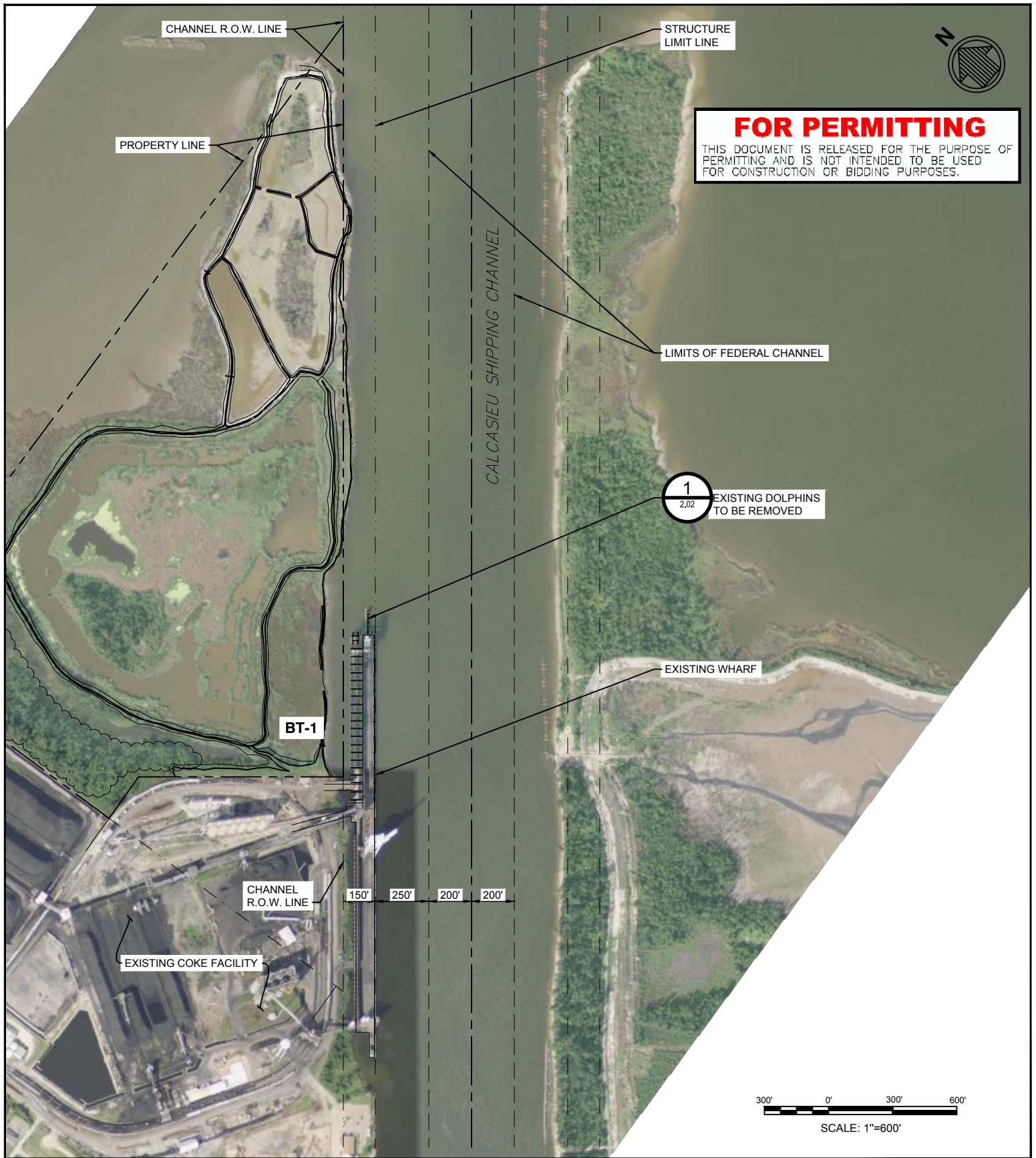
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- VERTICAL DATUM RELATIONSHIP**
1. CALCASIEU LOCK WEST TIDE GAGE
 2. LAKE CHARLES
- NAVD 88 $\xrightarrow{0.9'}$ ①
 NAVD 88 $\xrightarrow{0.2'}$ MLW ②
 MLLW $\xrightarrow{1'}$ MLG
 MLG $\xrightarrow{0.3'}$ AUTH. DEPTH
- CONVERSION USED:
EL. MLG = EL. NAVD88 + 1.55 FT

*SEE DRAWING NOTES EXHIBIT 01.2

APPLICANT: LAKE CHARLES HARBOR & TERMINAL DISTRICT		Lake Charles Harbor & Terminal District Port of Lake Charles P.O. Box 3753 Lake Charles, LA 70602 337.493.3526 (O) 337.493.3623 (F)		FOR CMD/COE USE ONLY	
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TYPICAL SECTIONS C & D		Gahagan & Bryant Associates, Inc. 9330 Kirby Drive, Suite 100 Houston, TX 77054 832.377.4800 (O) 832.377.4802 (F) www.gba-inc.com		Applicant:	
DATE: DECEMBER 20, 2013	PARISH: CALCASIEU	REV.#: 1	DATE: 10/19/16	SCALE: AS SHOWN	EXHIBIT: 01.4
FILE: POLC_BT1ExpansionPrj.dwg					



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APPLICANT: LAKE CHARLES HARBOR & TERMINAL DISTRICT		
PROJECT: PERMIT APPLICATION FOR THE BULK TERMINAL NO. 1 EXPANSION PROJECT WESTLAKE, LOUISIANA		
EXISTING SITE PLAN		
DATE: DECEMBER 20, 2018	PARISH: CALCASIEU	REV.#: 0
FILE:P:\8008-00\cadd_Active_Permit-AnsIA\800800-A_PERMIT2-07		

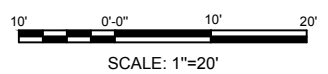
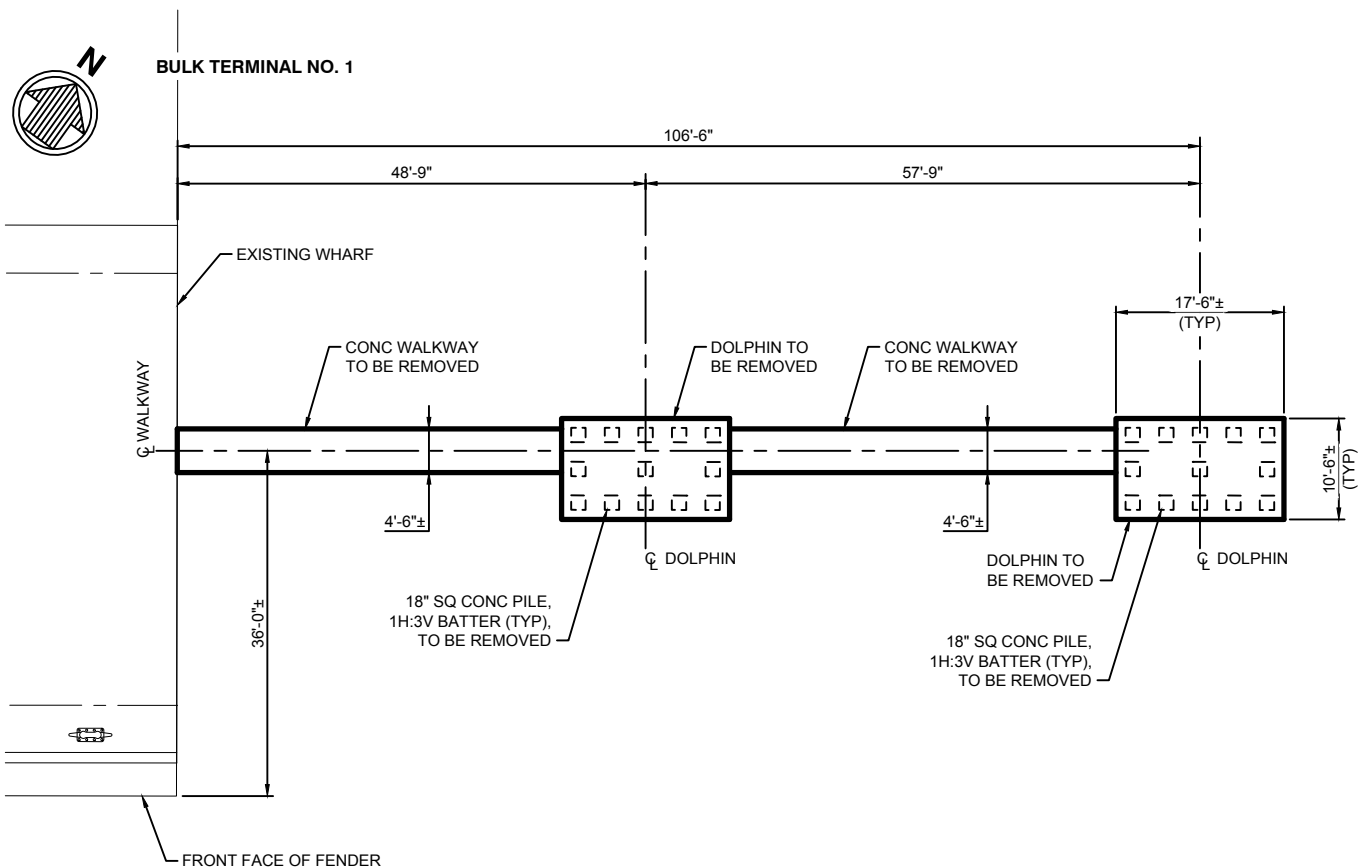
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SCALE: AS SHOWN	EXHIBIT: 2.01

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1 DEMOLITION PLAN
2.01 SCALE: 1"=20'

APPLICANT: LAKE CHARLES HARBOR & TERMINAL DISTRICT

PROJECT: PERMIT APPLICATION FOR THE BULK TERMINAL NO. 1 EXPANSION PROJECT WESTLAKE, LOUISIANA

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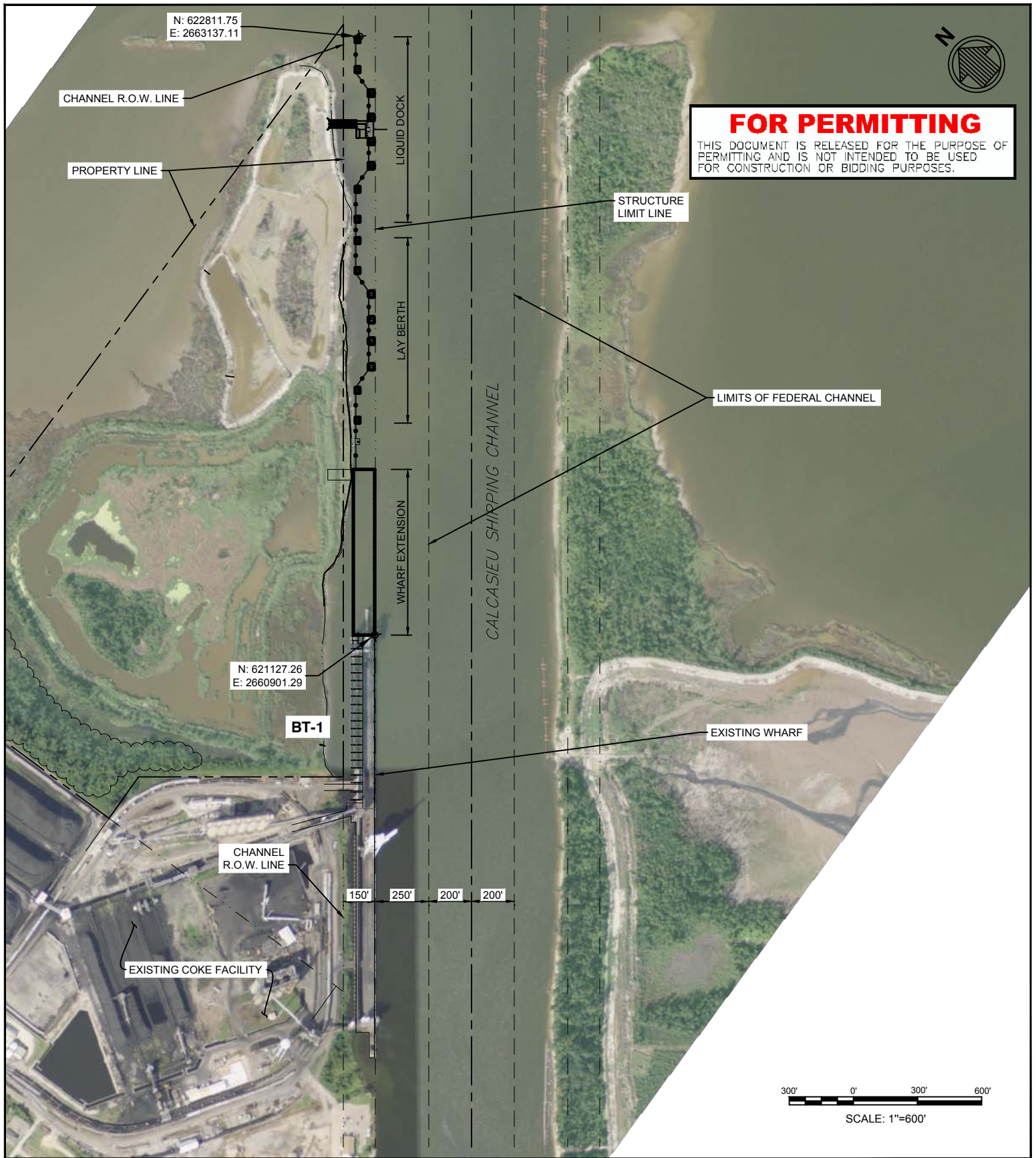
DOLPHIN DEMOLITION PLAN



Applicant:

DATE: DECEMBER 20, 2018 PARISH: CALCASIEU REV.#: 0
DATE: DATE: _

SCALE: AS SHOWN EXHIBIT: 2.02



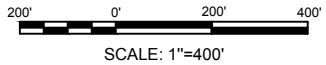
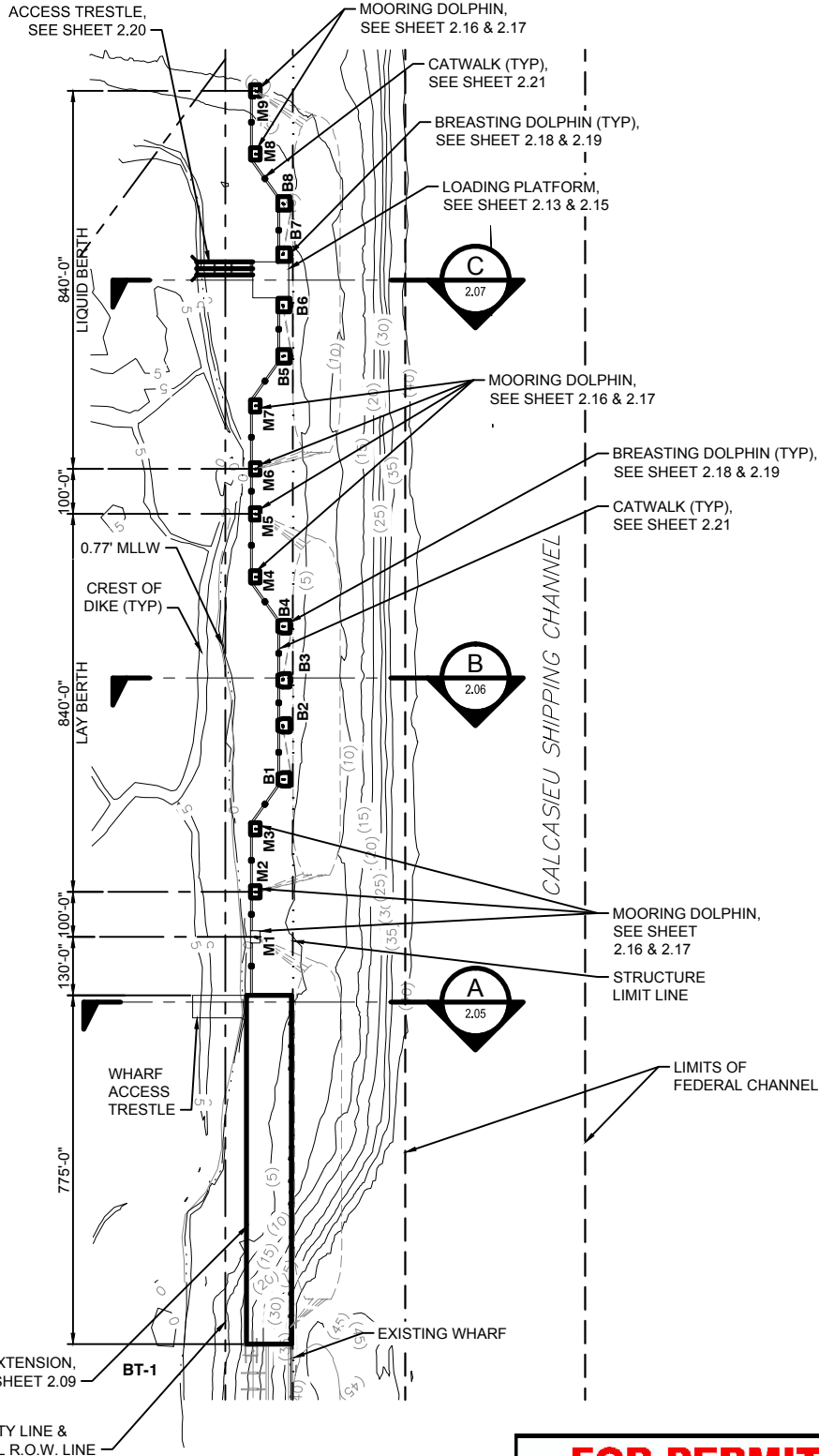
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APPLICANT: LAKE CHARLES HARBOR & TERMINAL DISTRICT		
PROJECT: PERMIT APPLICATION FOR THE BULK TERMINAL NO. 1 EXPANSION PROJECT WESTLAKE, LOUISIANA		
PROPOSED SITE PLAN		
DATE: DECEMBER 20, 2018	PARISH: CALCASIEU	REV.#: 0 DATE: _____
FILE:P:\8008-00\cadd_-Active_Permit-AnsIA\800800-A_PERMIT2-03		

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SCALE: AS SHOWN	EXHIBIT: 2.03



M1 = MOORING DOLPHIN I.D.
 B1 = BREASTING DOLPHIN I.D.

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 PROJECT: PERMIT APPLICATION FOR THE BULK TERMINAL NO. 1 EXPANSION PROJECT WESTLAKE, LOUISIANA

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GENERAL ARRANGEMENT PLAN

USACE Permit #

DATE: DECEMBER 20, 2013 PARISH: CALCASIEU REV.#: 0
 DATE: DATE: 0

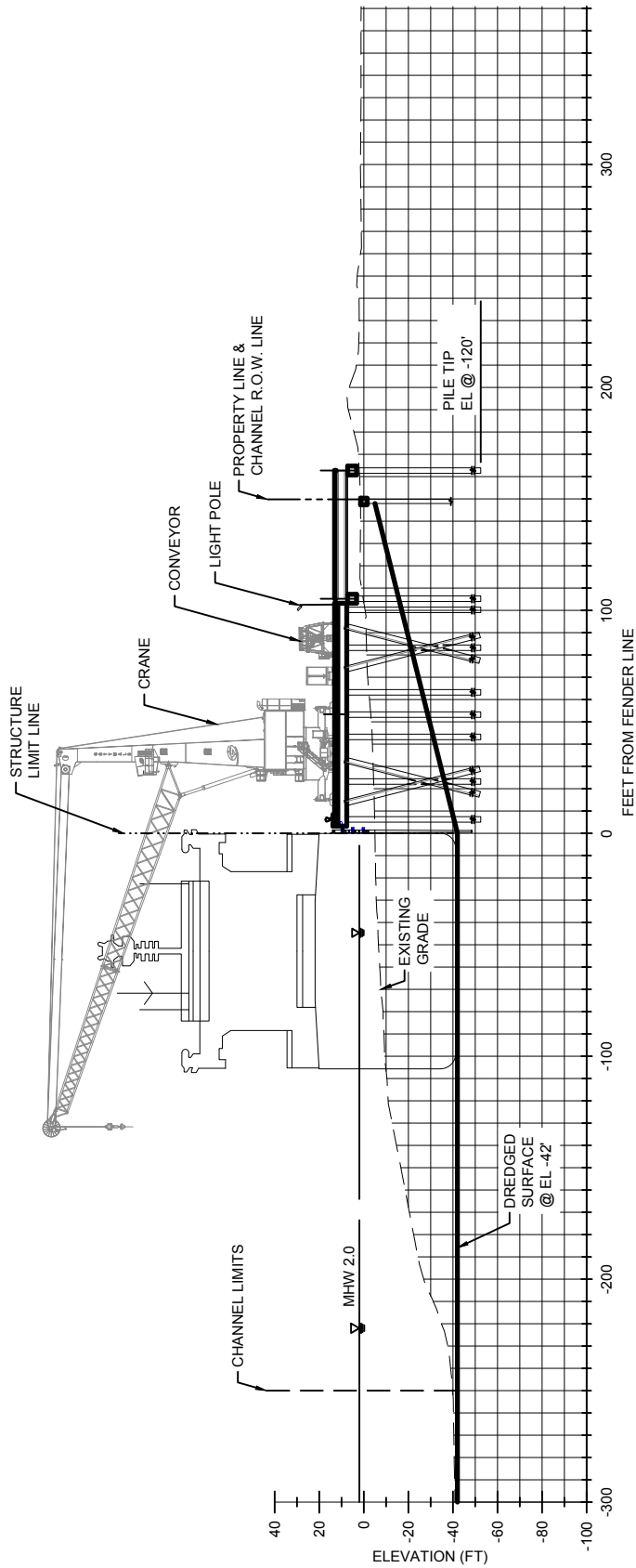


Applicant:

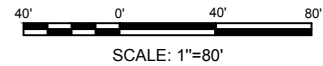
SCALE: AS SHOWN EXHIBIT: 2.04

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A SECTION AT WHARF EXTENSION
SCALE: 1"=80'



APPLICANT: LAKE CHARLES HARBOR & TERMINAL DISTRICT

PROJECT: PERMIT APPLICATION FOR THE BULK TERMINAL NO. 1 EXPANSION PROJECT WESTLAKE, LOUISIANA

WHARF EXTENSION

DATE: DECEMBER 20, 2018 PARISH: CALCASIEU REV.#: 0
DATE: DATE: 0

FILE:P:\8008-00\cadd_-Active_Permit-AnsiA\800800-A_PERMIT2-05

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moffatt & nichol

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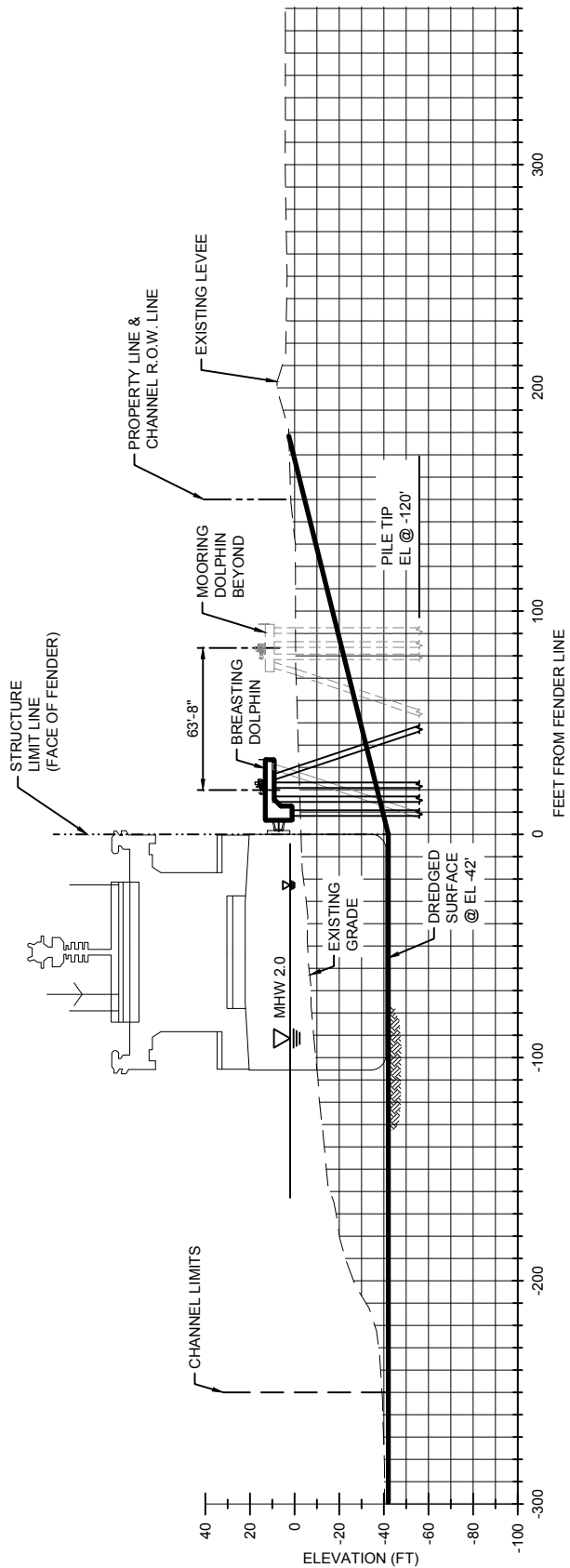
Applicant:

SCALE: AS SHOWN

EXHIBIT: 2.05

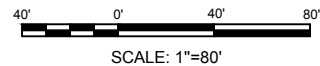
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B SECTION AT BREASTING DOLPHIN

SCALE: 1"=80'



APPLICANT: LAKE CHARLES HARBOR & TERMINAL DISTRICT

PROJECT: PERMIT APPLICATION FOR THE BULK TERMINAL NO. 1 EXPANSION PROJECT WESTLAKE, LOUISIANA

LAY BERTH

DATE: DECEMBER 20, 2013 PARISH: CALCASIEU REV.#: 0
DATE: DATE: 0

FILE:P:\8008-00\cadd_-Active_Permit-AnsIA\800800-A_PERMIT2-06

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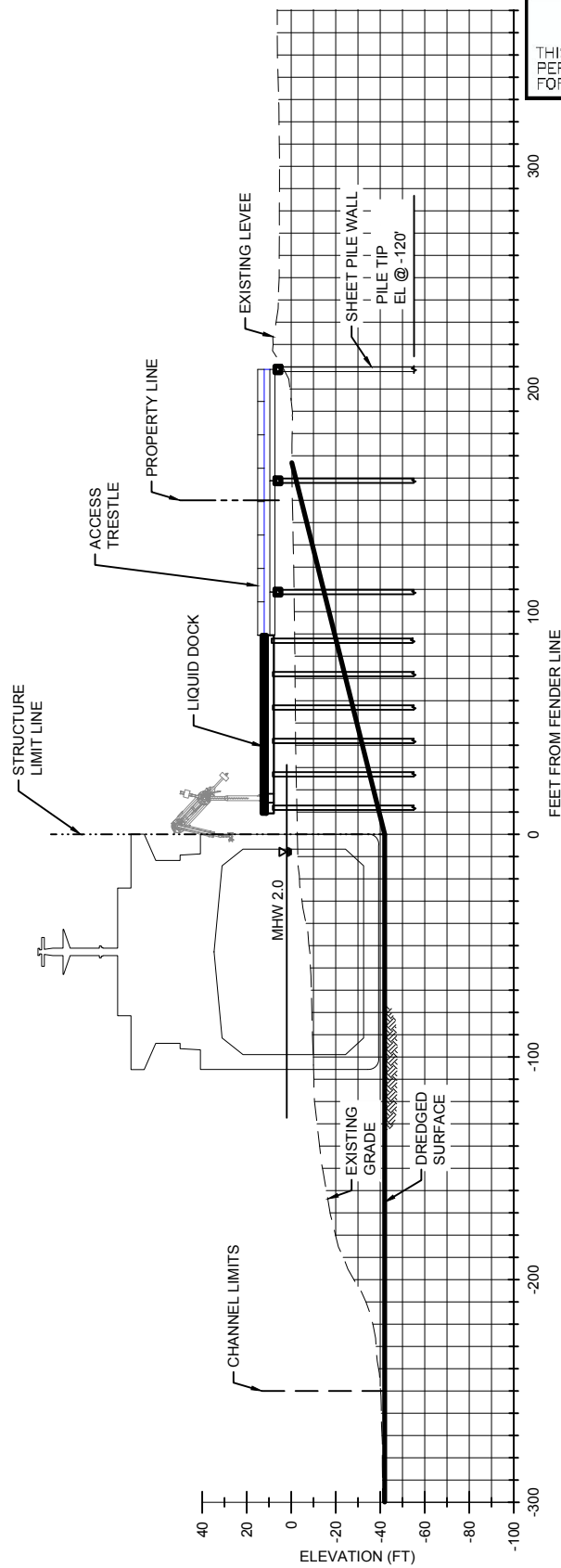
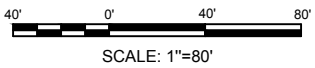
Applicant:

SCALE: AS SHOWN

EXHIBIT: 2.06

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C SECTION AT LOADING PLATFORM
SCALE: 1"=80'
2.07

APPLICANT: LAKE CHARLES HARBOR & TERMINAL DISTRICT

PROJECT: PERMIT APPLICATION FOR THE BULK TERMINAL NO. 1 EXPANSION PROJECT WESTLAKE, LOUISIANA

LIQUID DOCK

DATE: DECEMBER 20, 2013 PARISH: CALCASIEU REV.#: 0 DATE: _

FILE:P:\8008-00\cadd_Active_Permit-AnsIA\800800-A_PERMIT2-07

Lake Charles Harbor & Terminal District
Port of Lake Charles
P.O. Box 3753
Lake Charles, LA 70602
337.493.3526 (O)
337.493.3623 (F)



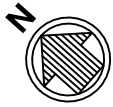
FOR CMD/COE USE ONLY

USACE Permit #

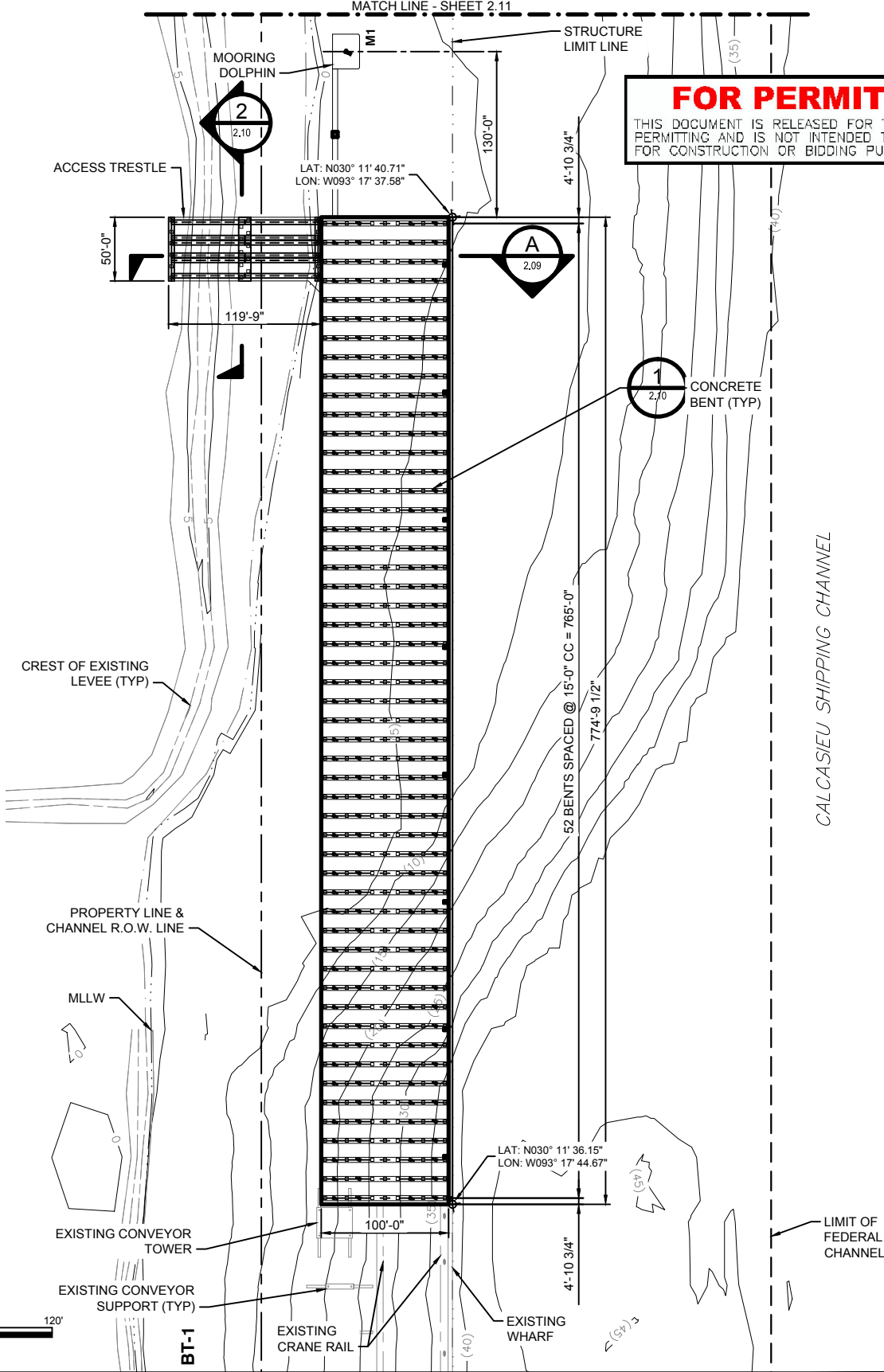
Applicant:

SCALE: AS SHOWN

EXHIBIT: 2.07



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SCALE: 1"=120'

BT-1

APPLICANT: LAKE CHARLES HARBOR & TERMINAL DISTRICT

PROJECT: PERMIT APPLICATION FOR THE BULK TERMINAL NO. 1 EXPANSION PROJECT WESTLAKE, LOUISIANA

WHARF EXTENSION PLAN

DATE: DECEMBER 20, 2013 PARISH: CALCASIEU REV.#: 0

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 Port of Lake Charles
 P.O. Box 3753
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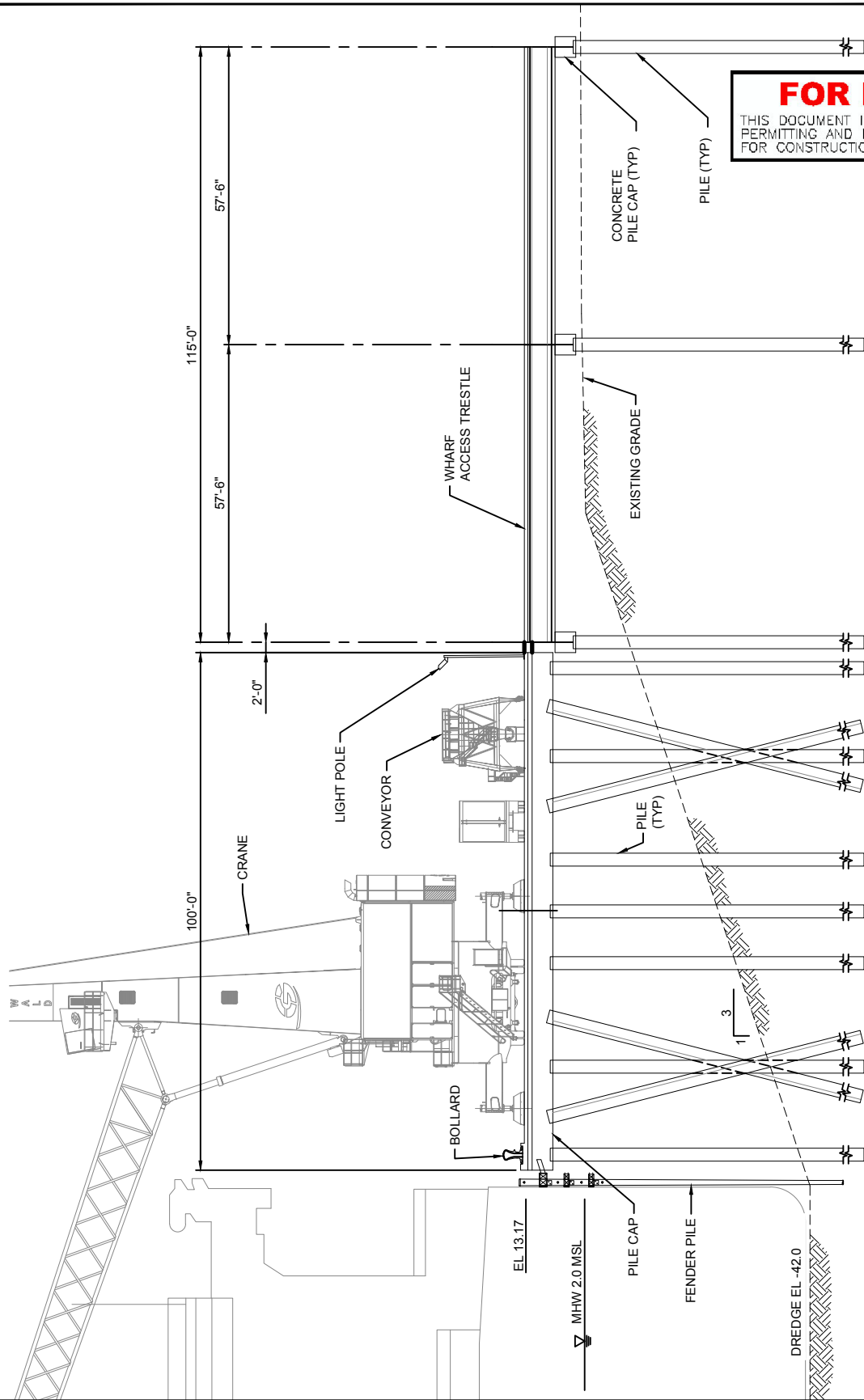
USACE Permit #

Applicant:

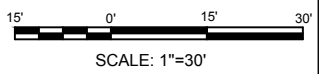
SCALE: AS SHOWN EXHIBIT: 2.08

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A TYPICAL SECTION
SCALE: 1"=30'



APPLICANT: LAKE CHARLES HARBOR & TERMINAL DISTRICT
PROJECT: PERMIT APPLICATION FOR THE BULK TERMINAL NO. 1 EXPANSION PROJECT WESTLAKE, LOUISIANA

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Port of Lake Charles
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Applicant:

WHARF EXTENSION SECTION

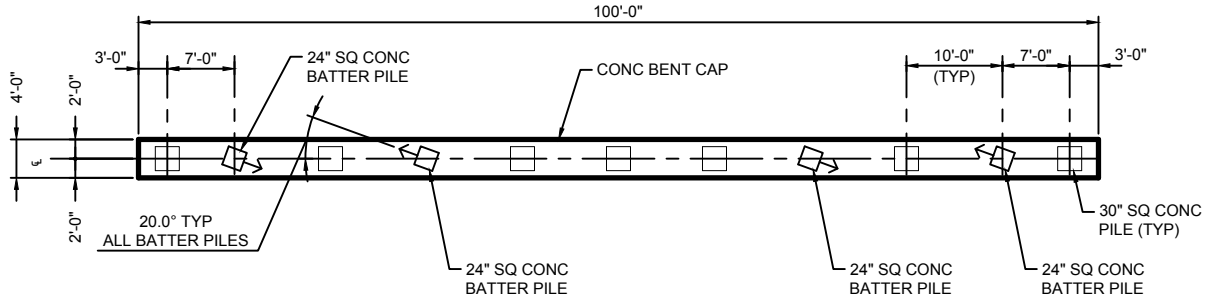
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DATE: DATE: _



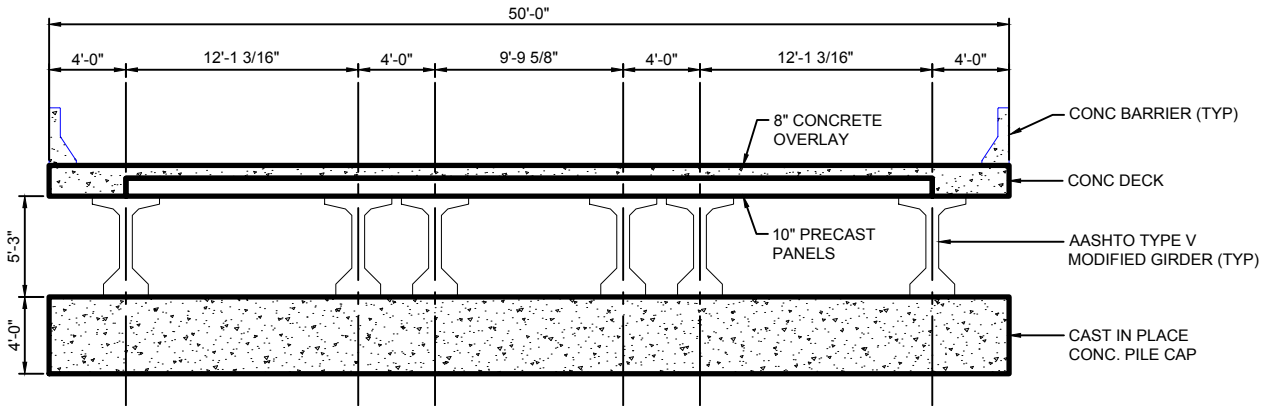
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FOR PERMITTING

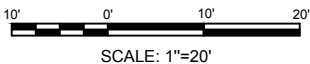
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1 PLAN - WHARF BENT (TYP)
2.08 SCALE: 1"=20'



2 ACCESS TRESTLE CROSS SECTION
2.08 SCALE: 1"=10'



APPLICANT: LAKE CHARLES HARBOR & TERMINAL DISTRICT

PROJECT: PERMIT APPLICATION FOR THE BULK TERMINAL NO. 1 EXPANSION PROJECT WESTLAKE, LOUISIANA

WHARF EXTENSION BENT DETAIL

DATE: DECEMBER 20, 2013 PARISH: CALCASIEU REV.#: 0
DATE: DATE: _

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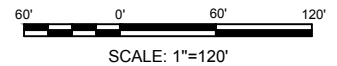
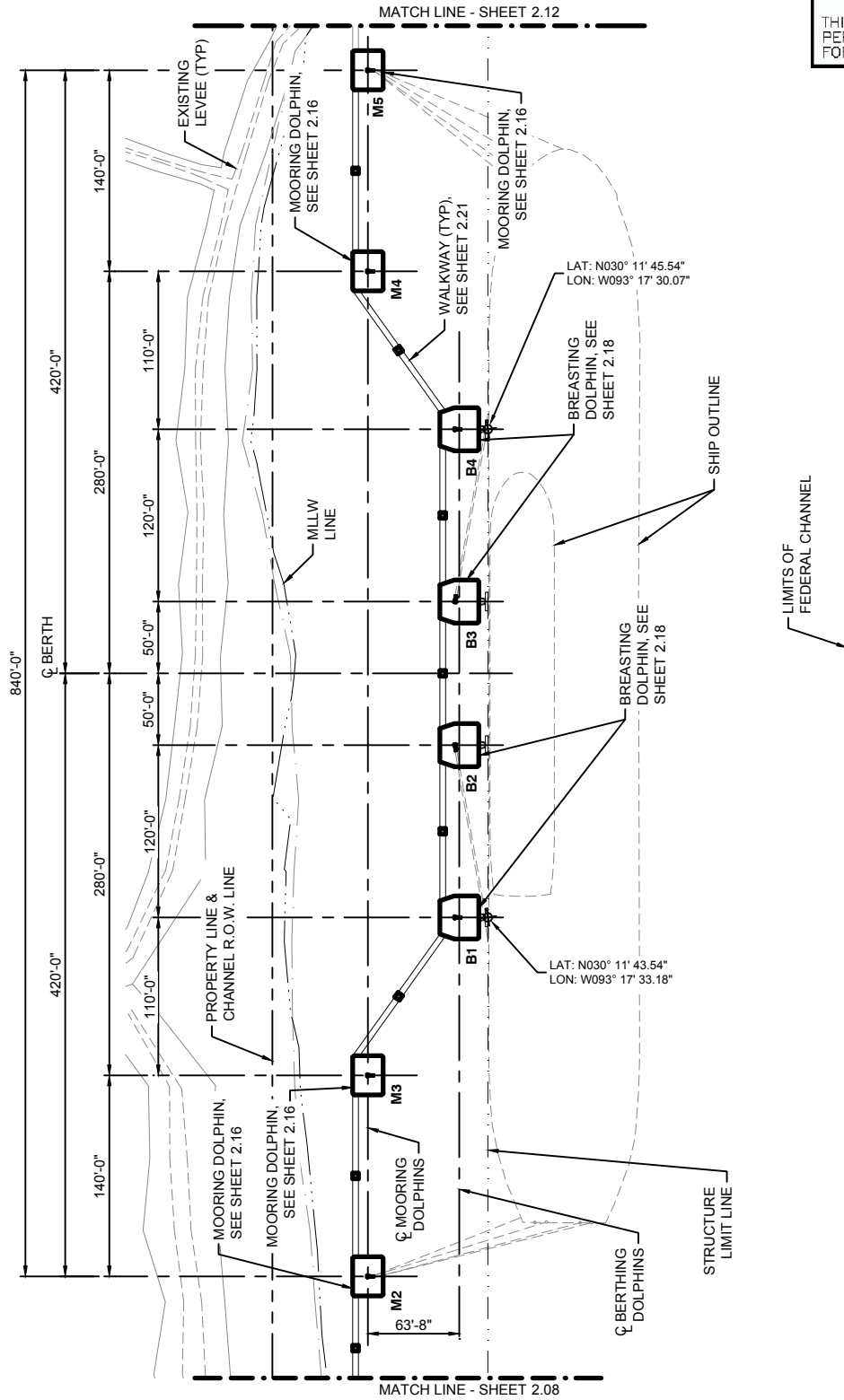
Applicant:

SCALE: AS SHOWN

EXHIBIT: 2.10

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APPLICANT: LAKE CHARLES HARBOR & TERMINAL DISTRICT

PROJECT: PERMIT APPLICATION FOR THE BULK TERMINAL NO. 1 EXPANSION PROJECT WESTLAKE, LOUISIANA

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USACE Permit #

Applicant:

LAY BERTH PLAN

DATE: DECEMBER 20, 2013 PARISH: CALCASIEU REV.#: 0
DATE: DATE: _

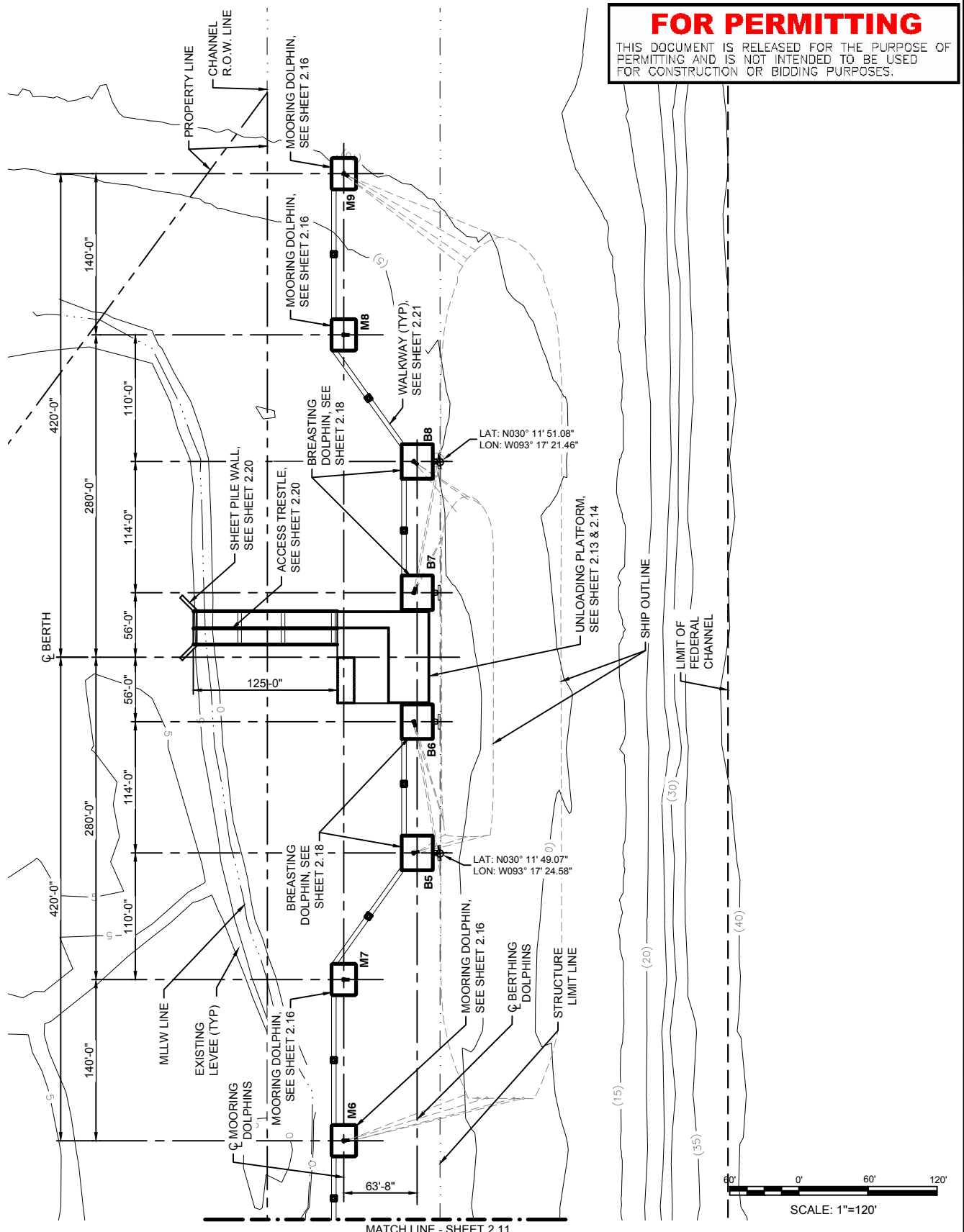
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SCALE: AS SHOWN EXHIBIT: 2.11

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MATCH LINE - SHEET 2.11

APPLICANT: LAKE CHARLES HARBOR & TERMINAL DISTRICT
 PROJECT: PERMIT APPLICATION FOR THE BULK TERMINAL NO. 1 EXPANSION PROJECT WESTLAKE, LOUISIANA

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LIQUID DOCK PLAN

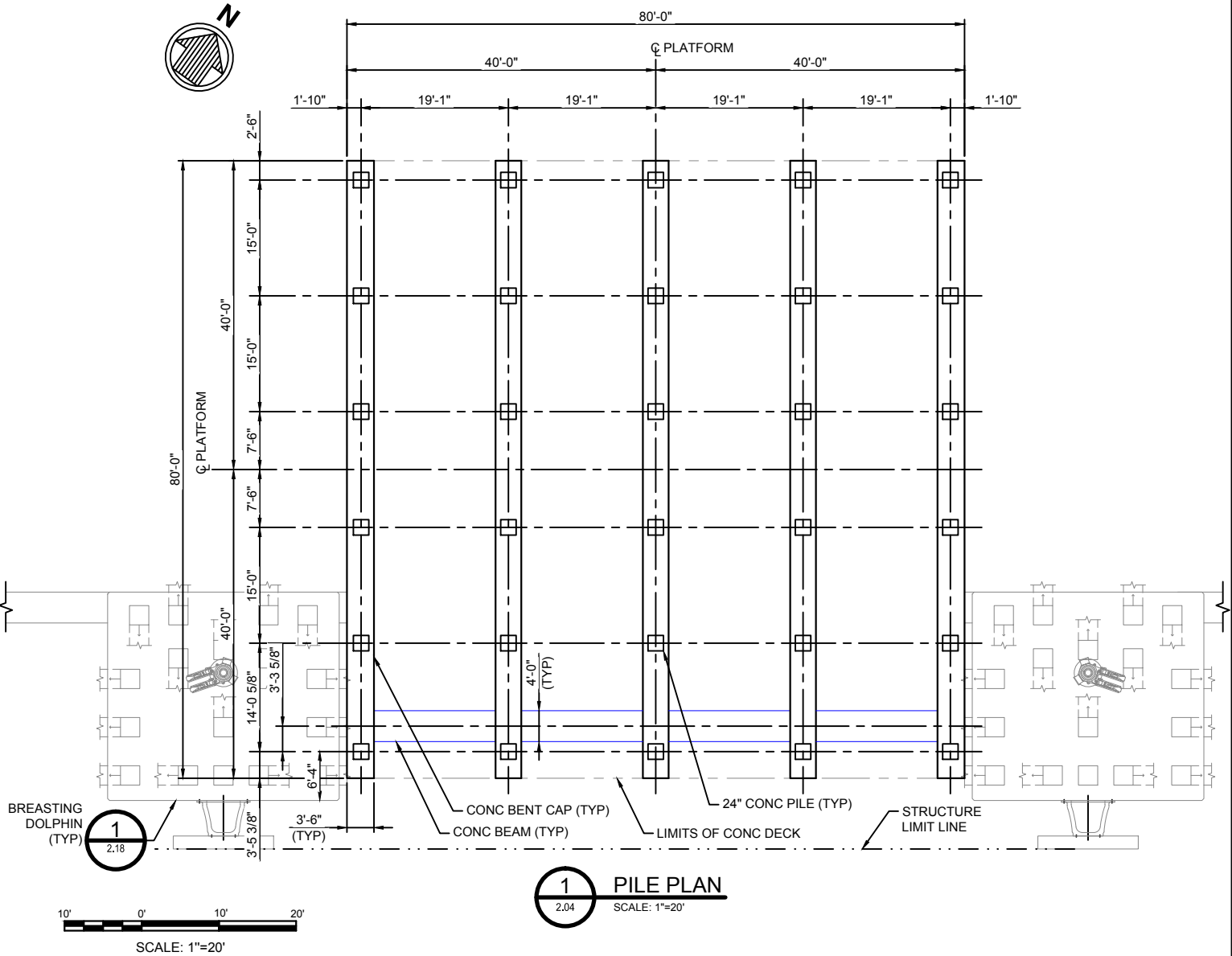
DATE: DECEMBER 20, 2013 PARISH: CALCASIEU REV.#: 0
 DATE: DATE: DATE:



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 USACE Permit #
 Applicant:
 SCALE: AS SHOWN EXHIBIT: 2.12

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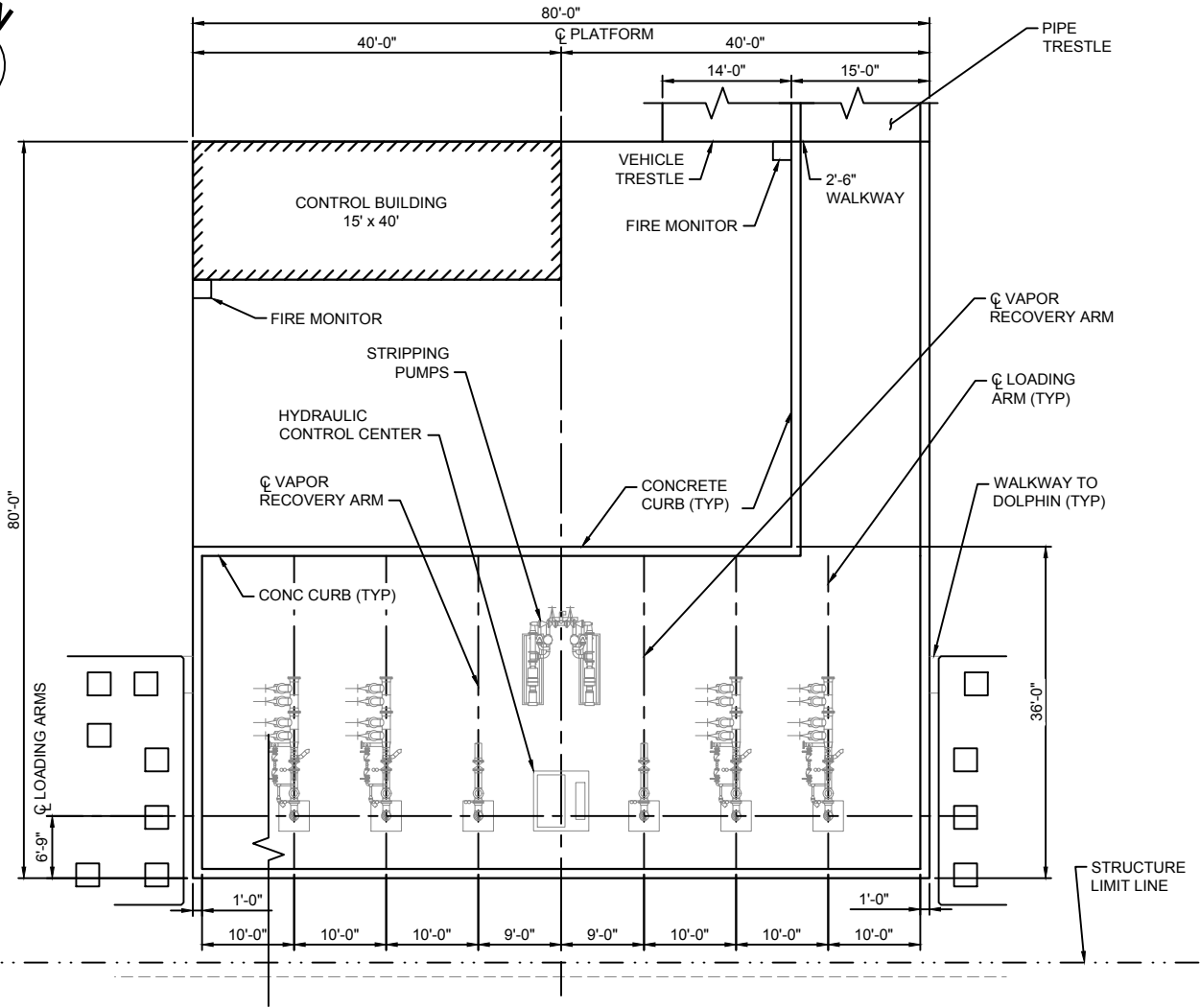
APPLICANT: LAKE CHARLES HARBOR & TERMINAL DISTRICT		
PROJECT: PERMIT APPLICATION FOR THE BULK TERMINAL NO. 1 EXPANSION PROJECT WESTLAKE, LOUISIANA		
LIQUID DOCK LOADING PLATFORM PILE PLAN		
DATE: DECEMBER 20, 2013	PARISH: CALCASIEU	REV.#: 0 DATE: _
FILE: P:\8008-00\cadd\Active\Permit-AnsiA\800800-A_PERMIT2-13		

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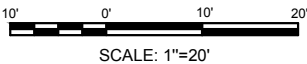
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Applicant:	
SCALE: AS SHOWN	EXHIBIT: 2.13

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2 DECK PLAN
2.04 SCALE: 1"=20'



APPLICANT: LAKE CHARLES HARBOR & TERMINAL DISTRICT

PROJECT: PERMIT APPLICATION FOR THE BULK TERMINAL NO. 1 EXPANSION PROJECT WESTLAKE, LOUISIANA

LIQUID DOCK LOADING PLATFORM

DATE: DECEMBER 20, 2013 PARISH: CALCASIEU REV.#: 0 DATE: _

FILE:P:\8008-00\cadd_Active_Permit-AnsIA\800800-A_PERMIT2-14

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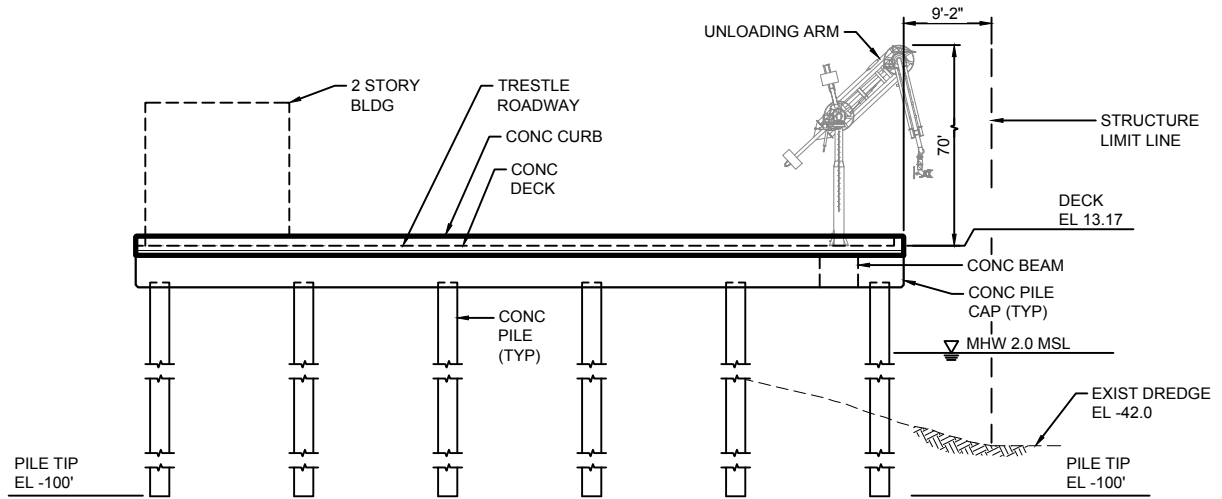
Applicant:

SCALE: AS SHOWN

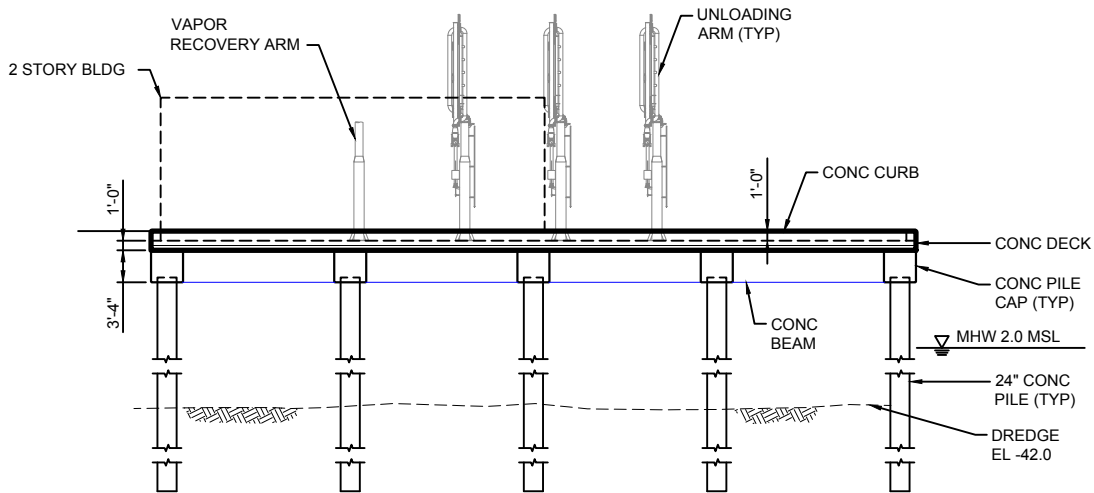
EXHIBIT: 2.14

FOR PERMITTING

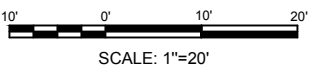
THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF PERMITTING AND IS NOT INTENDED TO BE USED FOR CONSTRUCTION OR BIDDING PURPOSES.



1 ELEVATION - SIDE
2.13 SCALE: 1"=20'



2 ELEVATION - FRONT
2.13 SCALE: 1"=20'



APPLICANT: LAKE CHARLES HARBOR & TERMINAL DISTRICT

PROJECT: PERMIT APPLICATION FOR THE BULK TERMINAL NO. 1 EXPANSION PROJECT WESTLAKE, LOUISIANA

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Applicant:

LIQUID DOCK PLATFORM ELEVATIONS

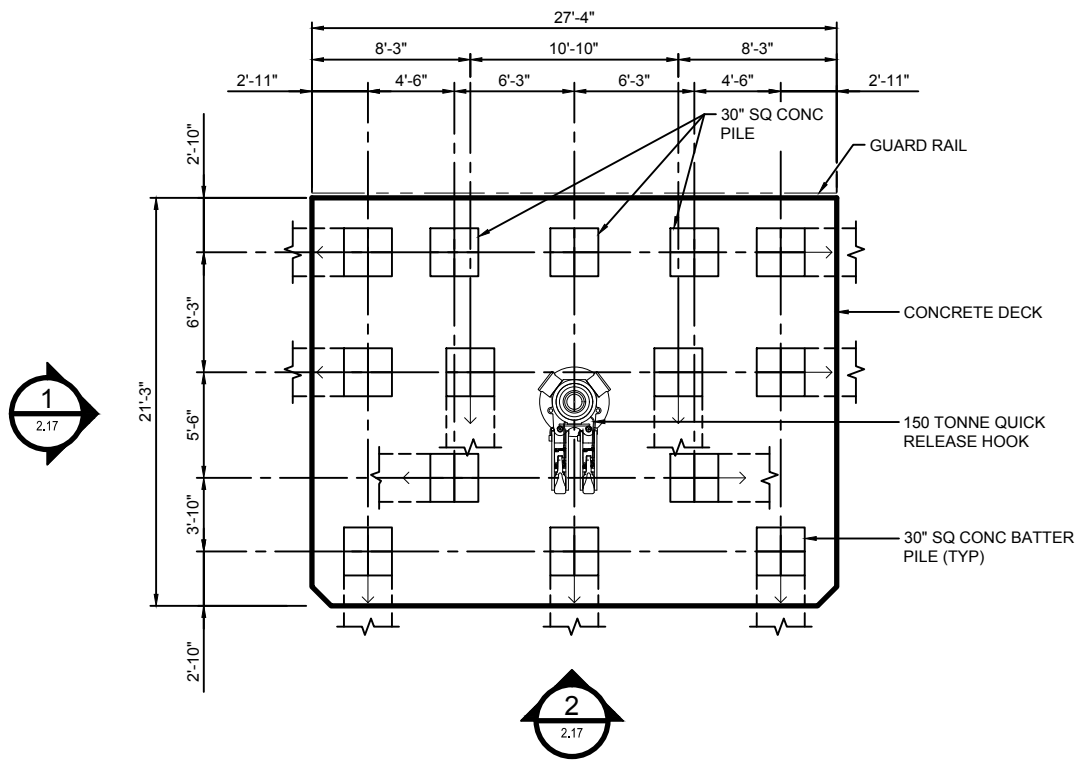
DATE: DECEMBER 20, 2013 PARISH: CALCASIEU REV.#: 0 DATE: _



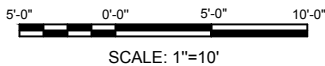
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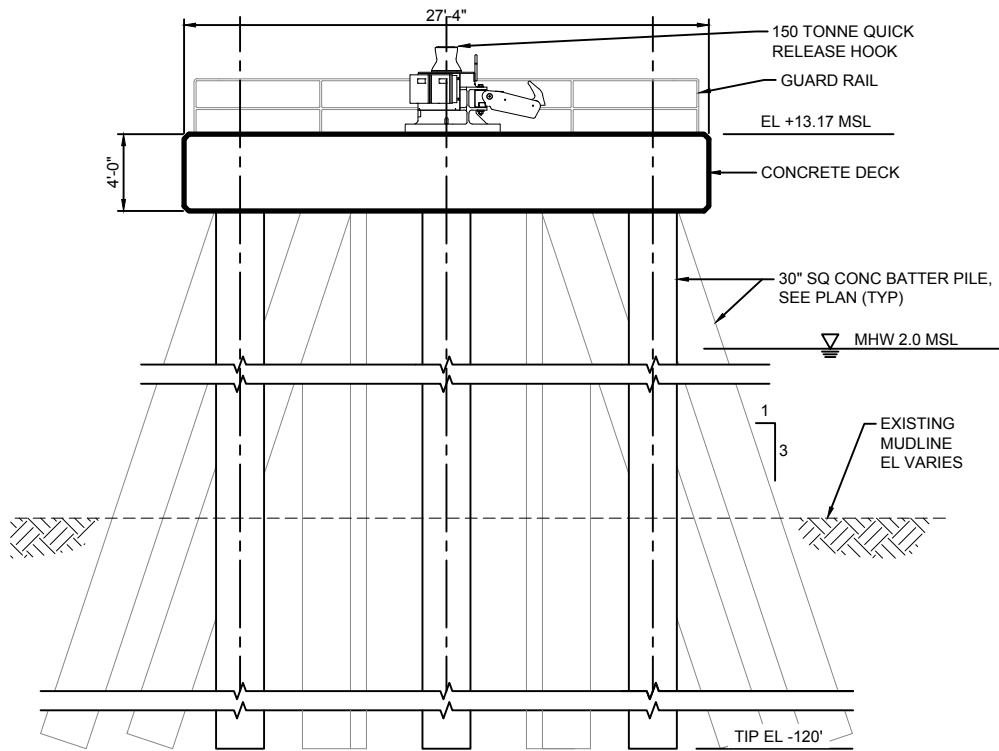
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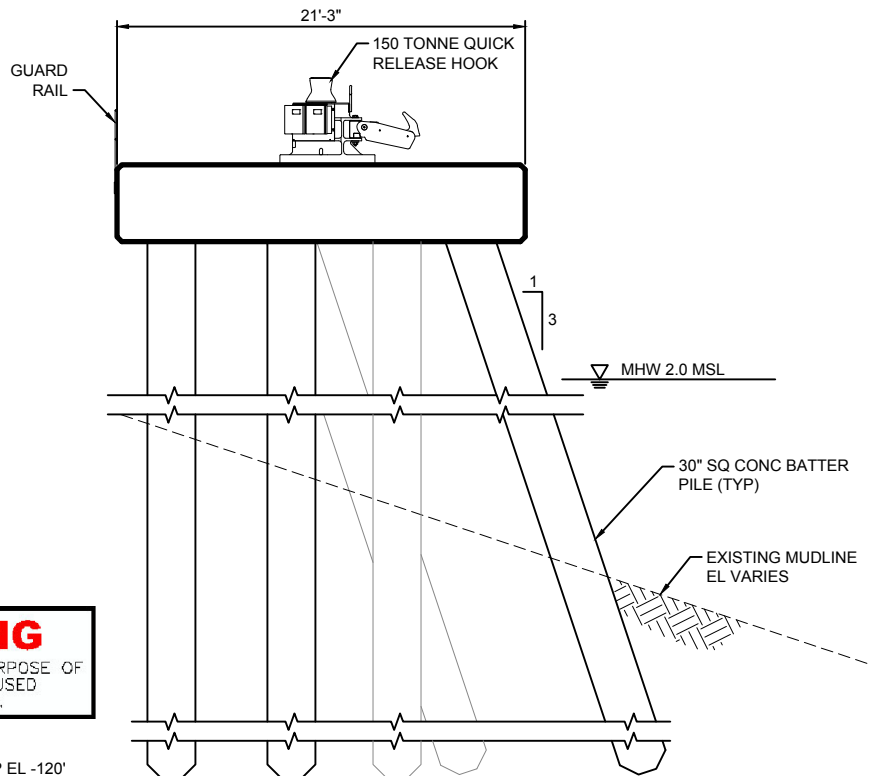
1 MOORING DOLPHIN PLAN
2.16 SCALE: 1"=10'



APPLICANT: LAKE CHARLES HARBOR & TERMINAL DISTRICT		Lake Charles Harbor & Terminal District Port of Lake Charles P.O. Box 3753 Lake Charles, LA 70602 337.493.3526 (O) 337.493.3623 (F)	FOR CMD/COE USE ONLY	
PROJECT: PERMIT APPLICATION FOR THE BULK TERMINAL NO. 1 EXPANSION PROJECT WESTLAKE, LOUISIANA			USACE Permit #	
TYPICAL MOORING DOLPHIN PLAN			Applicant:	
DATE: DECEMBER 20, 2013	PARISH: CALCASIEU	REV.#: 0	SCALE: AS SHOWN	EXHIBIT: 2.16
FILE:P:\8008-00\cadd_Active_Permit-AnsiA\800800-A_PERMIT2-16				

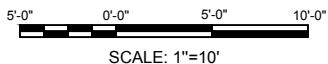




2 FRONT ELEVATION
 2.16 SCALE: 1"=10'



1 SIDE ELEVATION
 2.16 SCALE: 1"=10'

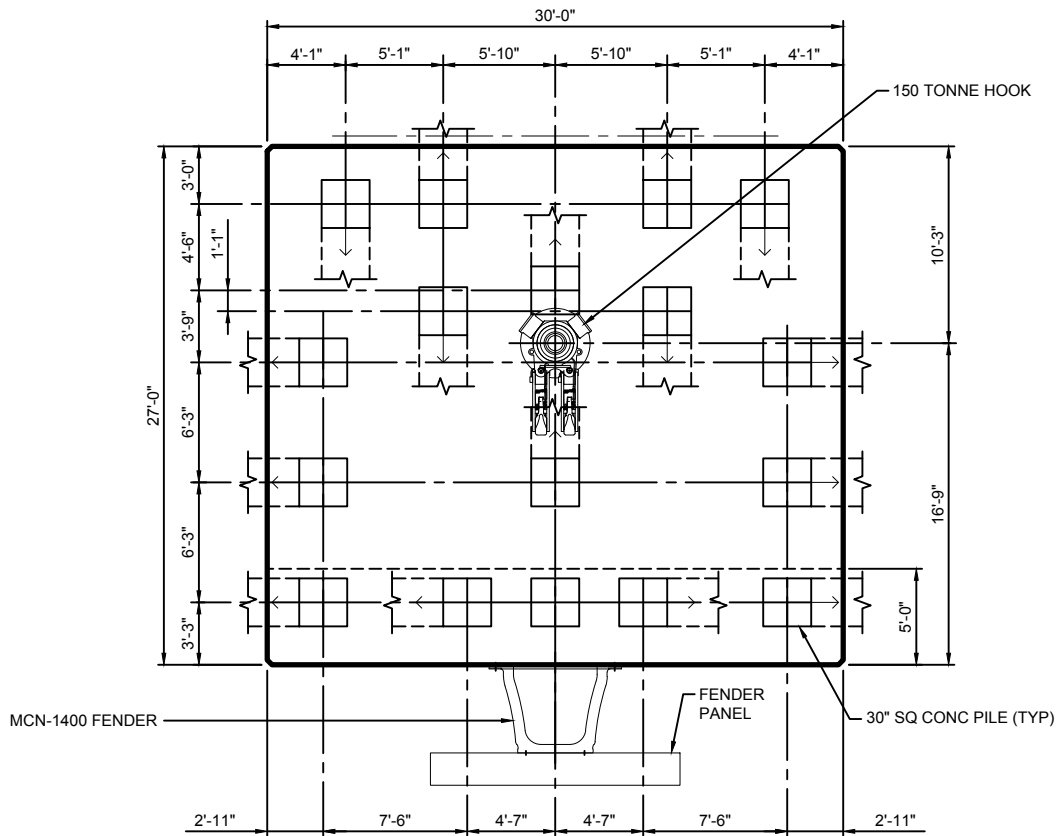
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APPLICANT: LAKE CHARLES HARBOR & TERMINAL DISTRICT		Lake Charles Harbor & Terminal District Port of Lake Charles P.O. Box 3753 Lake Charles, LA 70602 337.493.3526 (O) 337.493.3623 (F)	FOR CMD/COE USE ONLY	
PROJECT: PERMIT APPLICATION FOR THE BULK TERMINAL NO. 1 EXPANSION PROJECT WESTLAKE, LOUISIANA				USACE Permit #
TYPICAL MOORING DOLPHIN ELEVATIONS				Applicant:
DATE: DECEMBER 20, 2013	PARISH: CALCASIEU	REV.#: 0 DATE:	SCALE: AS SHOWN	EXHIBIT: 2.17
FILE: P:\8008-00\cadd_-Active_-Permit-AnsIA\800800-A_PERMIT2-17				

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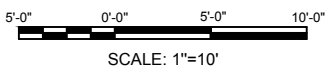
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1
2.11

TYPICAL BREASTING DOLPHIN PLAN

SCALE: 1"=10'



APPLICANT: LAKE CHARLES HARBOR & TERMINAL DISTRICT
 PROJECT: PERMIT APPLICATION FOR THE BULK TERMINAL NO. 1 EXPANSION PROJECT WESTLAKE, LOUISIANA

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TYPICAL BREASTING DOLPHIN PLAN



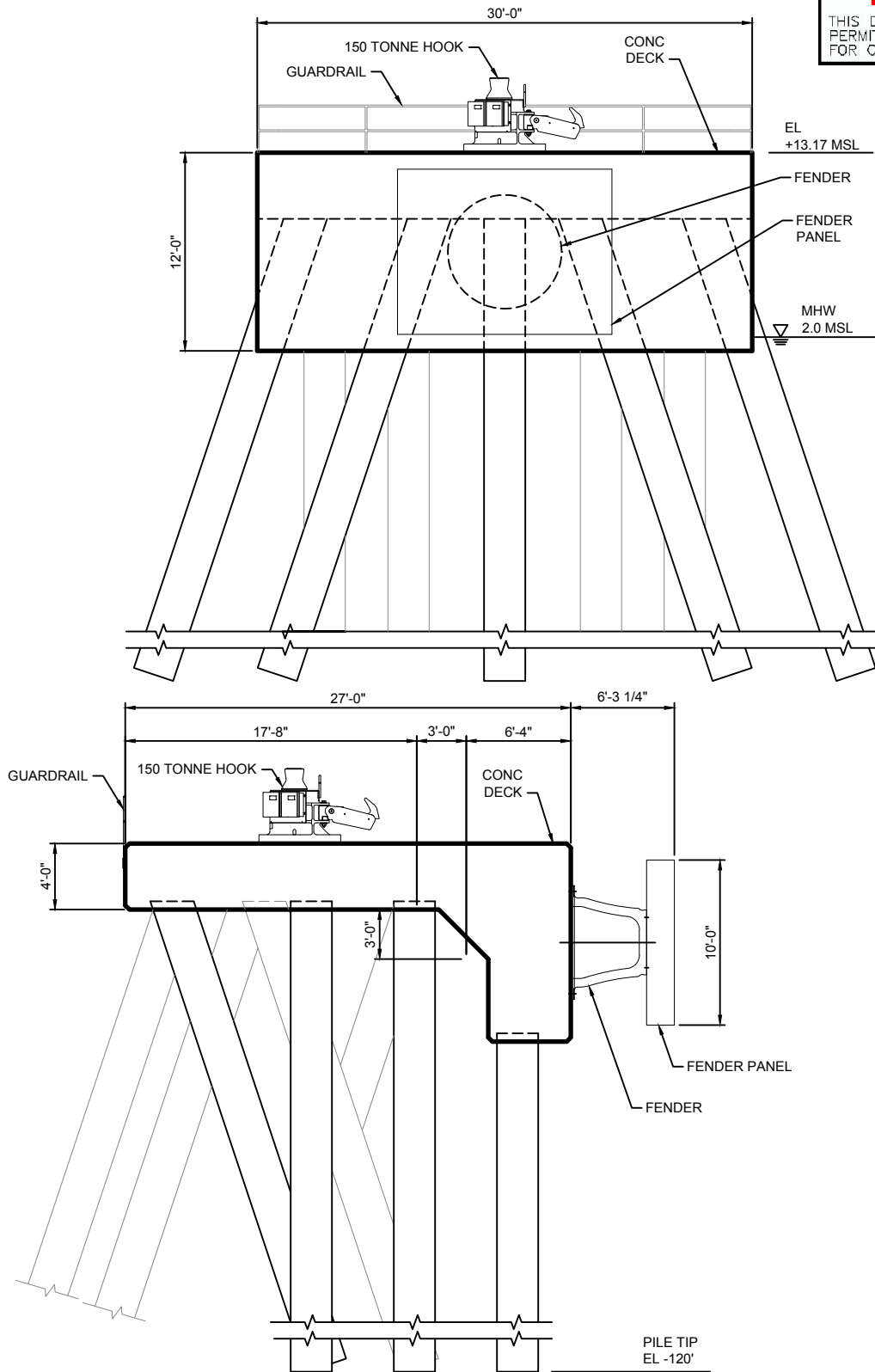
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DATE: DECEMBER 20, 2013 PARISH: CALCASIEU REV.#: 0 DATE: _
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SCALE: AS SHOWN EXHIBIT: 2.18

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APPLICANT: LAKE CHARLES HARBOR & TERMINAL DISTRICT

PROJECT: PERMIT APPLICATION FOR THE BULK TERMINAL NO. 1 EXPANSION PROJECT WESTLAKE, LOUISIANA

TYPICAL BREASTING DOLPHIN ELEVATIONS

DATE: DECEMBER 20, 2013 PARISH: CALCASIEU REV.#: 0

FILE:P:\8008-00\cadd_-Active_Permit-AnsIA\800800-A_PERMIT2-19

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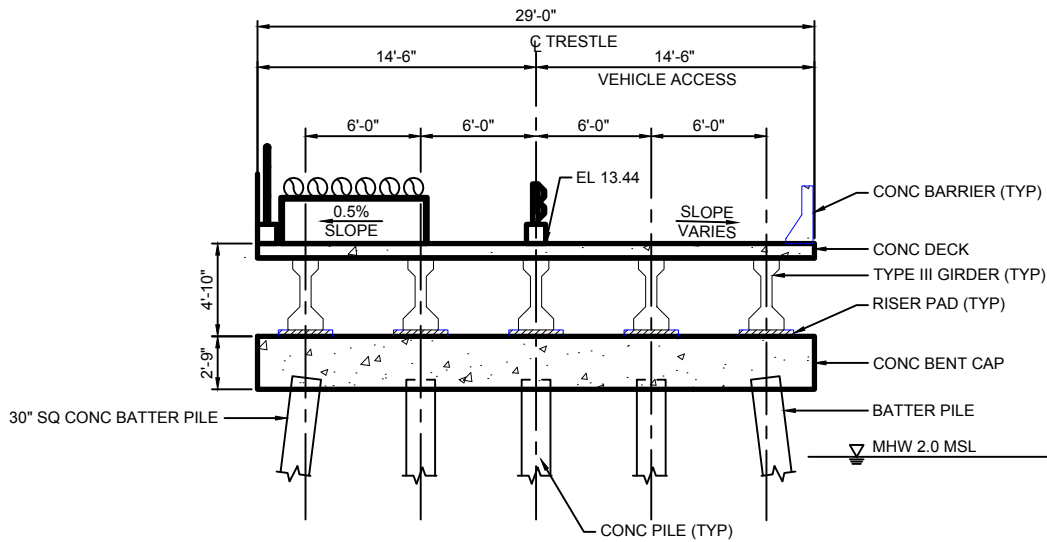
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SCALE: AS SHOWN

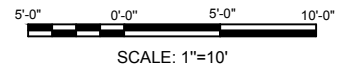
EXHIBIT: 2.19

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A SECTION
2.12 SCALE: 1"=10'
2.14



APPLICANT: LAKE CHARLES HARBOR & TERMINAL DISTRICT

PROJECT: PERMIT APPLICATION FOR THE BULK TERMINAL NO. 1 EXPANSION PROJECT WESTLAKE, LOUISIANA

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Port of Lake Charles
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Applicant:

ACCESS TRESTLE SECTION

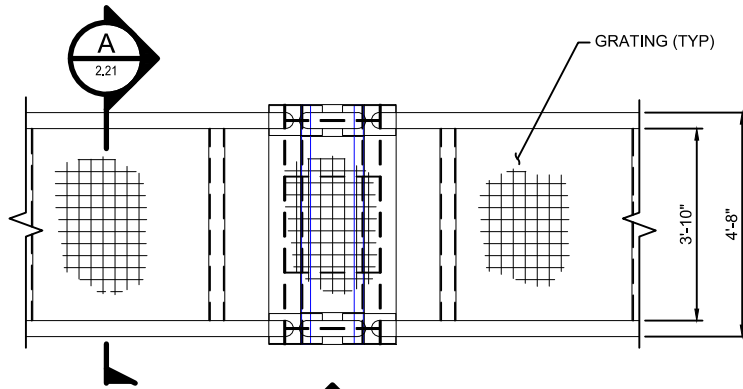
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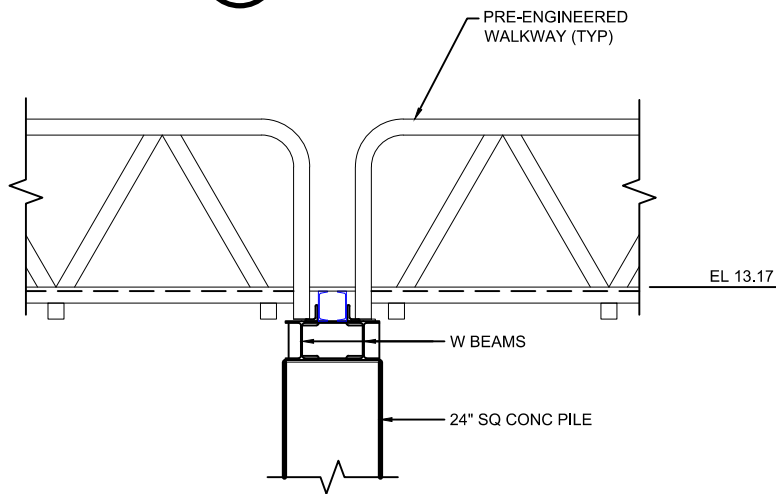
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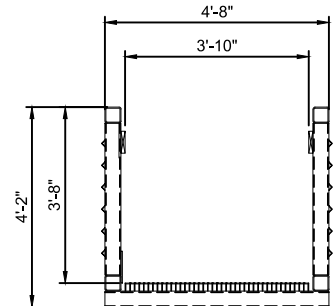
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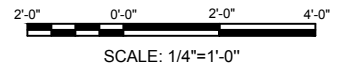
1 PLAN
SCALE: 1/4"=1'-0"



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



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



APPLICANT: LAKE CHARLES HARBOR & TERMINAL DISTRICT

PROJECT: PERMIT APPLICATION FOR THE BULK TERMINAL NO. 1 EXPANSION PROJECT WESTLAKE, LOUISIANA

WALKWAY DETAILS

DATE: DECEMBER 20, 2018 PARISH: CALCASIEU REV.#: 0
DATE: DATE: DATE: 0

FILE:P:\8008-00\cadd_Active_Permit-AnsiA\800800-A_PERMIT2-27

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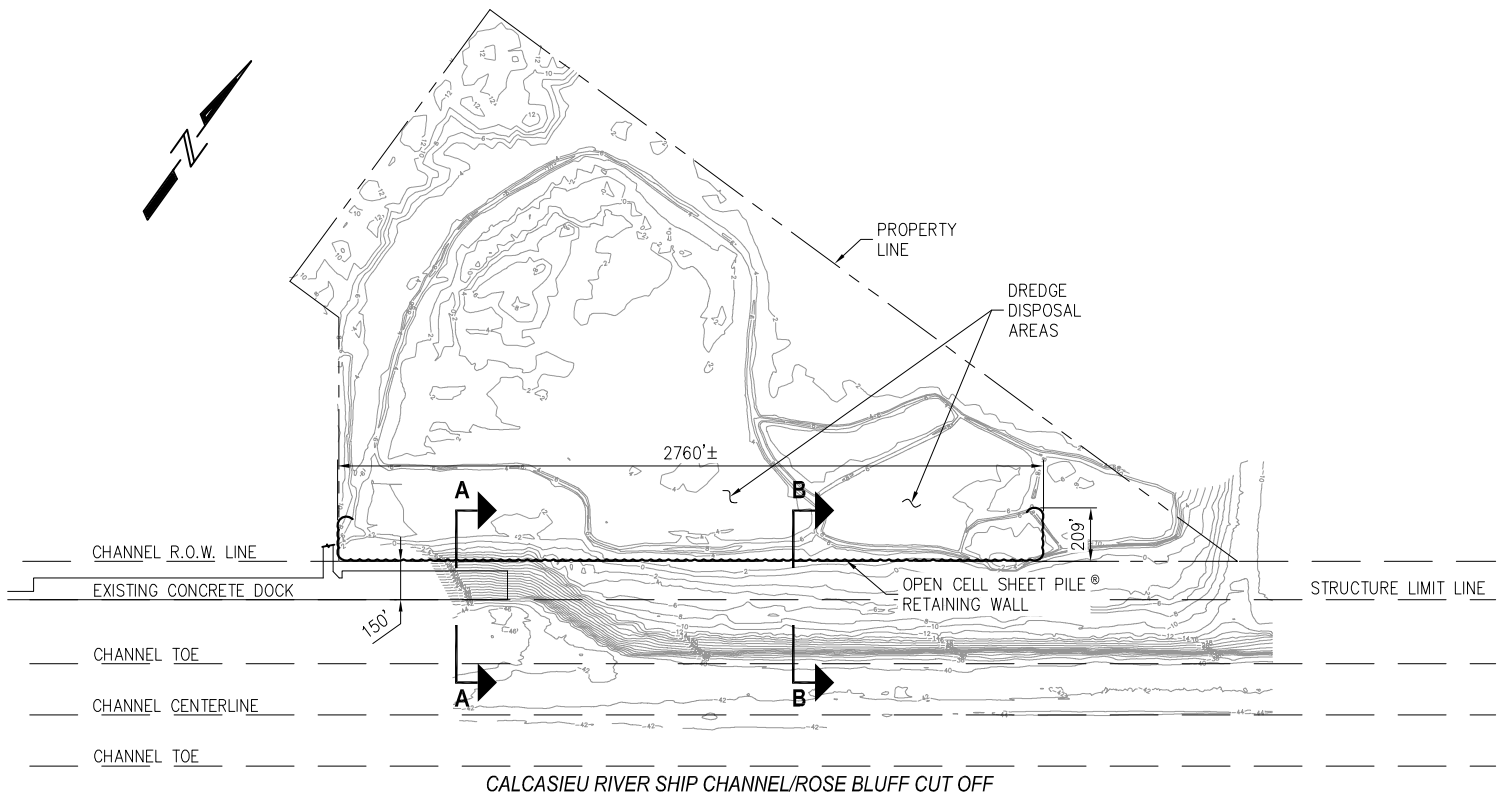
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Applicant:

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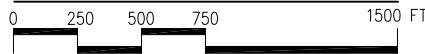
EXHIBIT: 2.21

Drawings \2013\134072.01 - POL BT-1 Expansion Berths 15, 16 & 17\Permit 2016\134072.01-03.1.dwg



CALCASIEU RIVER SHIP CHANNEL/ROSE BLUFF CUT OFF

SITE PLAN



APPLICANT: LAKE CHARLES HARBOR & TERMINAL DISTRICT

PROJECT: PERMIT APPLICATION FOR THE
BULK TERMINAL NO. 1 EXPANSION PROJECT
WESTLAKE, LOUISIANA

Lake Charles Harbor & Terminal District
Port of Lake Charles
P.O. Box 3753
Lake Charles, LA 70602
337.493.3526 (O)
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USACE Permit #

Applicant:

BULKHEAD LOCATION KEY PLAN



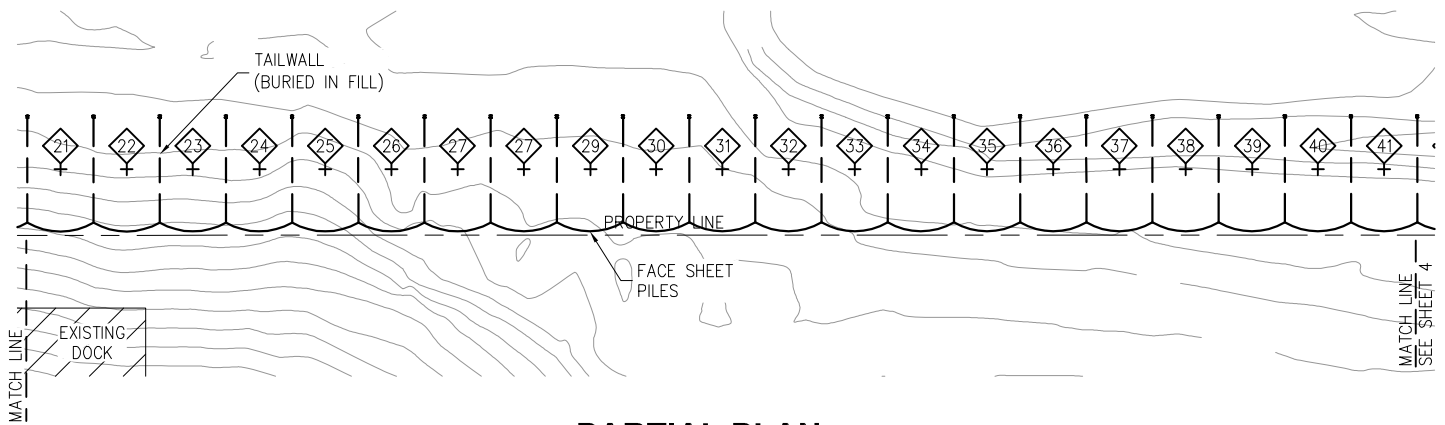
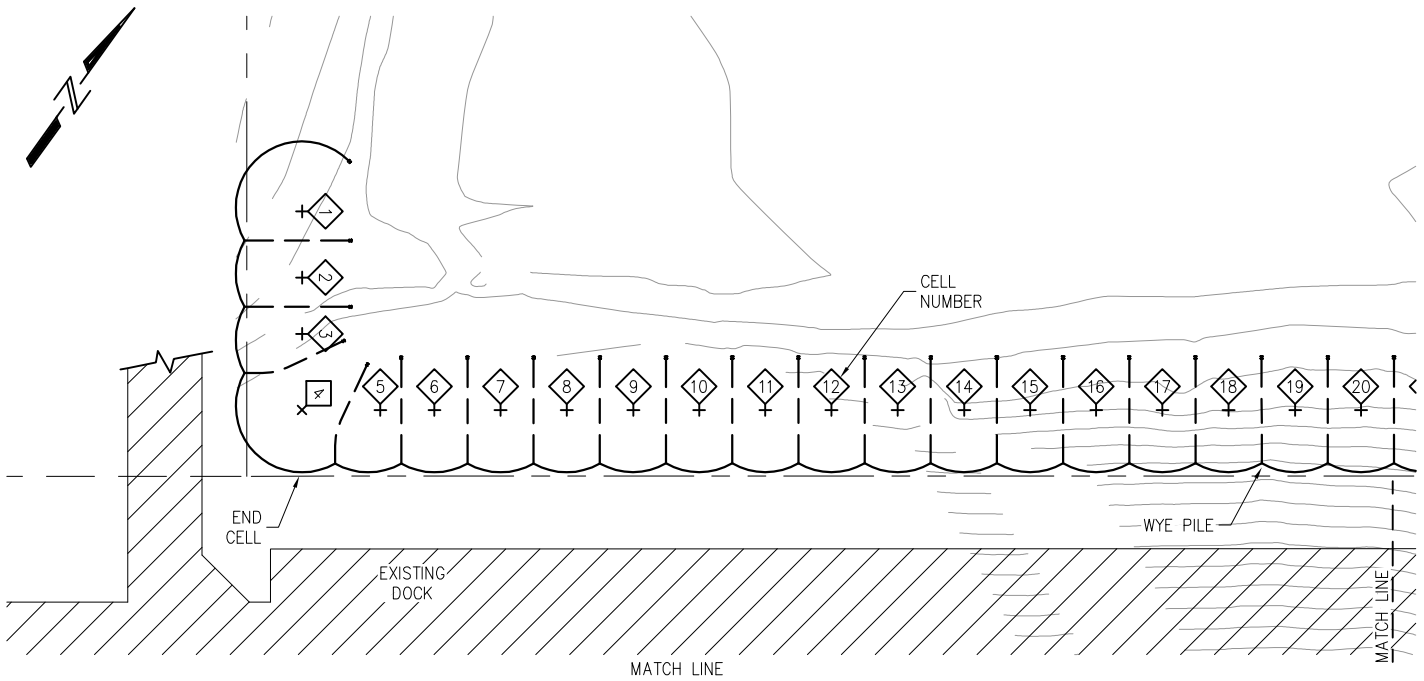
1736 Fourth Avenue S., Suite A
Seattle, Washington 98134
P: 206.624.1387
www.pndengineers.com

DATE: DECEMBER 20, 2013 PARISH: CALCASIEU REV.#: 1 DATE: 9/27/16

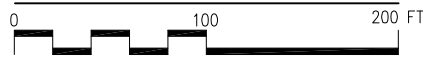
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SCALE: AS SHOWN

EXHIBIT: 03.1



PARTIAL PLAN



APPLICANT: LAKE CHARLES HARBOR & TERMINAL DISTRICT

PROJECT: PERMIT APPLICATION FOR THE
BULK TERMINAL NO. 1 EXPANSION PROJECT
WESTLAKE, LOUISIANA

PARTIAL BULKHEAD PLAN

DATE: DECEMBER 20, 2013 PARISH: CALCASIEU REV.#: 1
DATE: 9/27/16

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Port of Lake Charles
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Lake Charles, LA 70602
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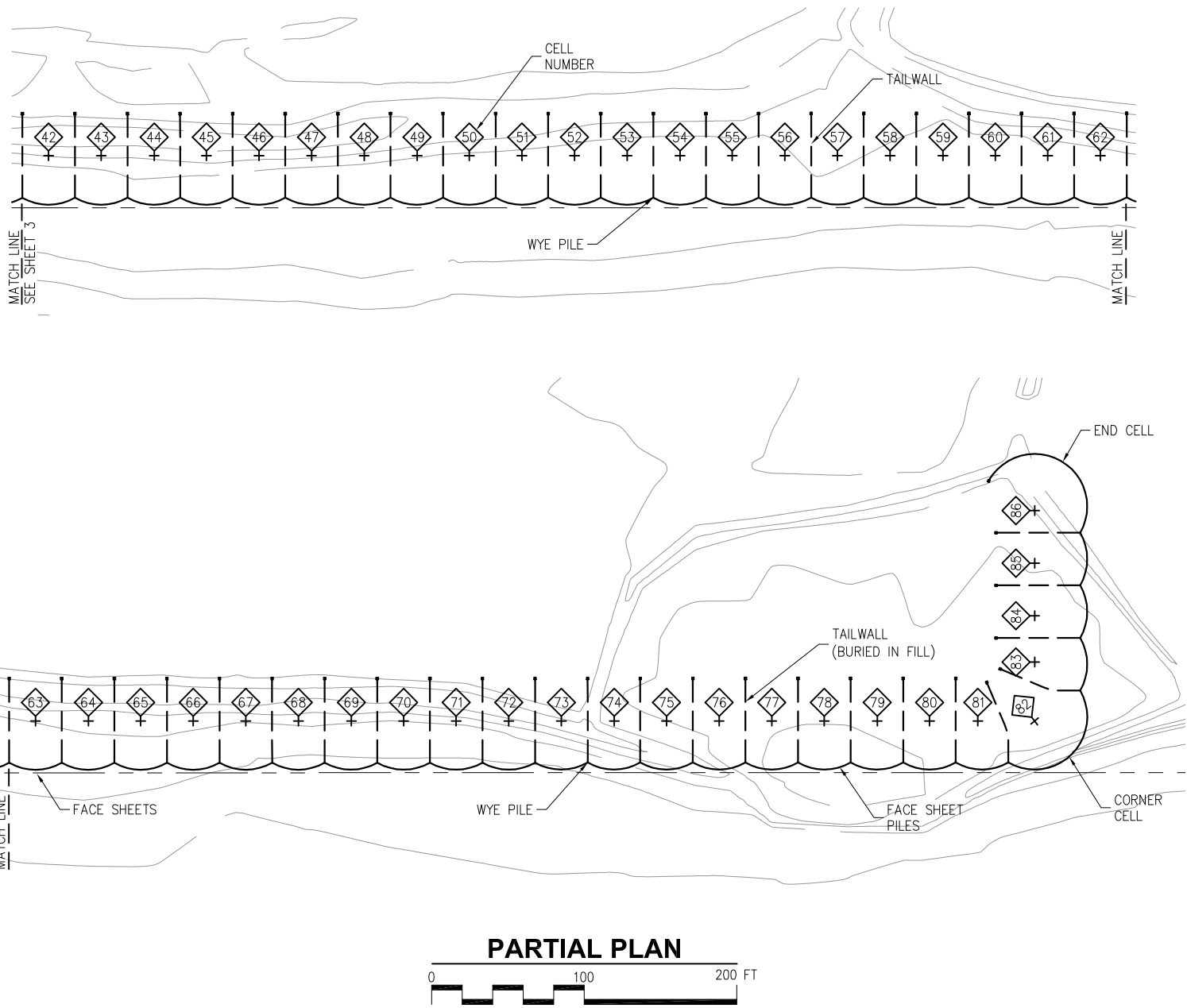
USACE Permit #

Applicant:

SCALE: AS SHOWN


EXHIBIT: 03.2

Drawings \2013\134072.01 - POL BT-1 Expansion Berths 15, 16 & 17\Permit 2016\134072.01-03.3.dwg



APPLICANT: LAKE CHARLES HARBOR & TERMINAL DISTRICT		
PROJECT: PERMIT APPLICATION FOR THE BULK TERMINAL NO. 1 EXPANSION PROJECT WESTLAKE, LOUISIANA		
PARTIAL BULKHEAD PLAN		
DATE: DECEMBER 20, 2013	PARISH: CALCASIEU	REV.#: 1 DATE: 9/27/16
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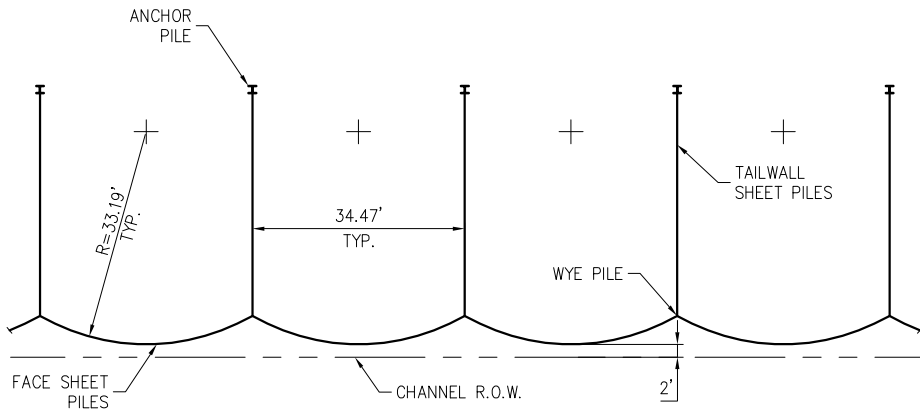
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 ENGINEERS, INC.

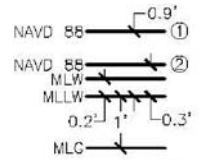
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Applicant:	
SCALE: AS SHOWN	EXHIBIT: 03.3



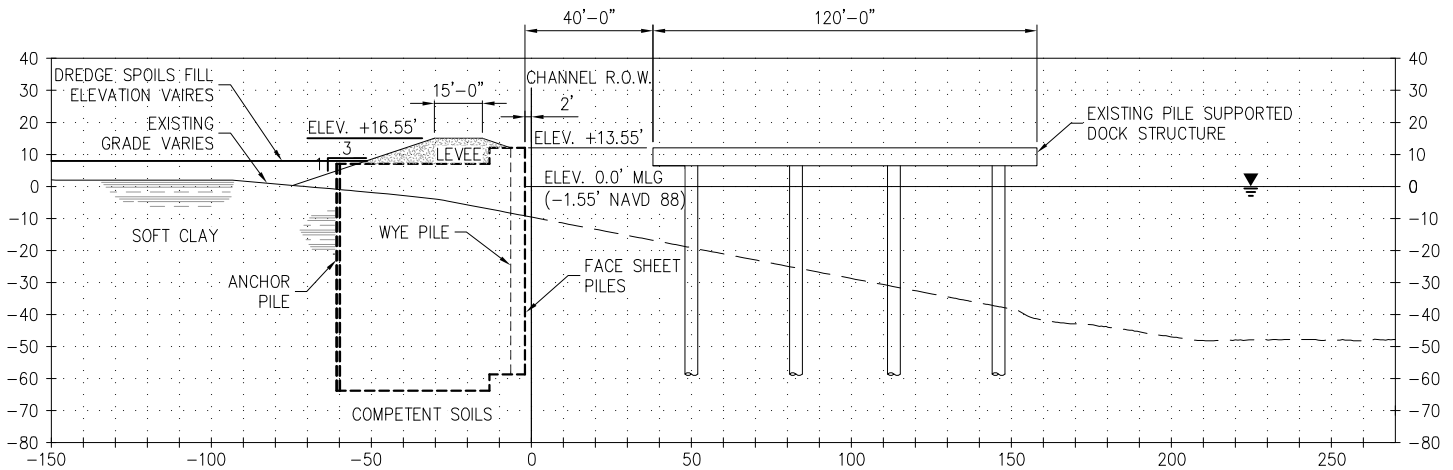
VERTICAL DATUM RELATIONSHIP

1. CALCASIEU LOCK WEST TIDE GAGE
2. LAKE CHARLES

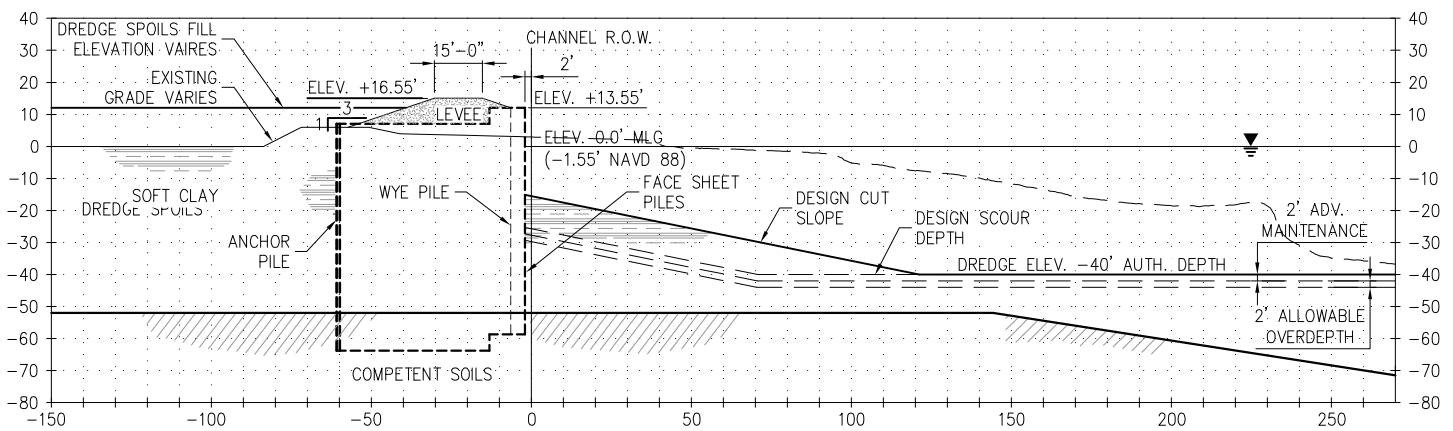
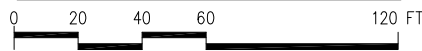


CONVERSION USED:
EL. MLC = EL. NAVD88 + 1.55 FT

PARTIAL PLAN

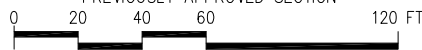


SECTION A-A



SECTION B-B

PREVIOUSLY APPROVED SECTION



APPLICANT: LAKE CHARLES HARBOR & TERMINAL DISTRICT

PROJECT: PERMIT APPLICATION FOR THE BULK TERMINAL NO. 1 EXPANSION PROJECT WESTLAKE, LOUISIANA

TYPICAL BULKHEAD PLAN & SECTION

DATE: DECEMBER 20, 2013 PARISH: CALCASIEU REV.#: 1 DATE: 9/27/16

FILE: NAME.dwg

Lake Charles Harbor & Terminal District
Port of Lake Charles
P.O. Box 3753
Lake Charles, LA 70602
337.493.3526 (O)
337.493.3623 (F)



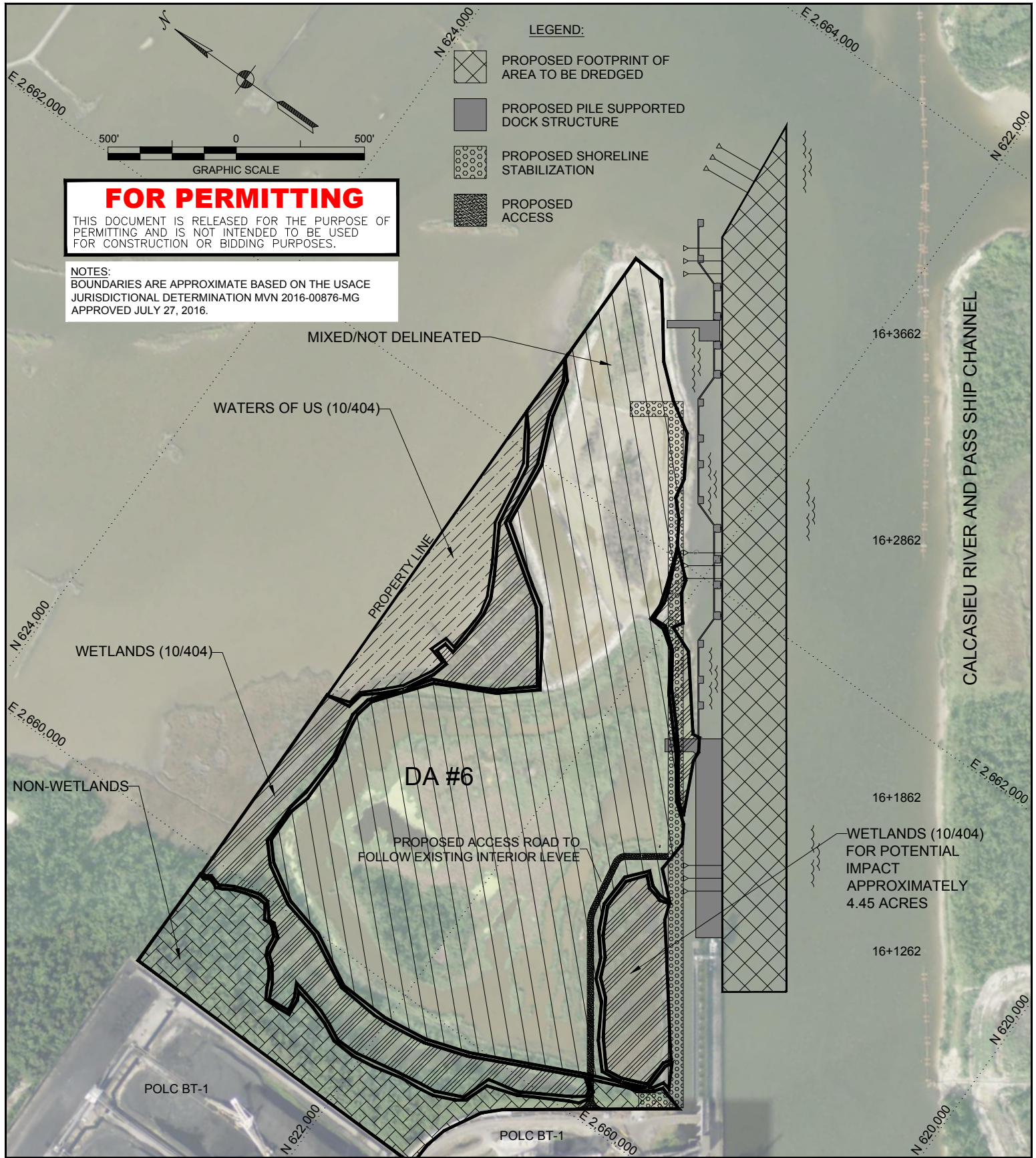
1736 Fourth Avenue S., Suite A
Seattle, Washington 98134
P: 206.624.1387
www.pndengineers.com

USACE Permit #

Applicant:





SCALE: AS SHOWN

EXHIBIT: 03.4



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 THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF PERMITTING AND IS NOT INTENDED TO BE USED FOR CONSTRUCTION OR BIDDING PURPOSES.


NOTES:
 BOUNDARIES ARE APPROXIMATE BASED ON THE USACE JURISDICTIONAL DETERMINATION MVN 2016-00876-MG APPROVED JULY 27, 2016.

- LEGEND:**
-  PROPOSED FOOTPRINT OF AREA TO BE DREDGED
 -  PROPOSED PILE SUPPORTED DOCK STRUCTURE
 -  PROPOSED SHORELINE STABILIZATION
 -  PROPOSED ACCESS

APPLICANT: LAKE CHARLES HARBOR & TERMINAL DISTRICT

PROJECT: PERMIT APPLICATION FOR THE BULK TERMINAL NO. 1 EXPANSION PROJECT WESTLAKE, LOUISIANA

Lake Charles Harbor & Terminal District
 Port of Lake Charles
 P.O. Box 3753
 Lake Charles, LA 70602
 337.493.3526 (O)
 337.493.3623 (F)



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USACE Permit #

USACE JURISDICTIONAL DETERMINATION

Gahagan & Bryant Associates, Inc.
 9330 Kirby Drive, Suite 100
 Houston, TX 77054
 832.377.4800 (O)
 832.377.4802 (F)
 www.gba-inc.com



Applicant:

DATE: MARCH 22, 2017	PARISH: CALCASIEU	REV.#: 0	DATE: X
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FILE: POLC_BT1ExpansionPrj.dwg

SCALE: AS SHOWN	EXHIBIT: 04.1
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