

JOINT PUBLIC NOTICE

FEB 03 2014

United States Army
Corps of Engineers
New Orleans District
Attn: Regulatory Branch
Post Office Box 60267
New Orleans, Louisiana 70160-0267

State of Louisiana
Department of Environmental Quality
Attn: Water Quality Certification Sec.
Post Office Box 4313
Baton Rouge, Louisiana 70821-4313

Project Manager: Sara Fortuna
(504) 862-1025/ fax: (504) 862-2574
Sara.b.fortuna@usace.army.mil
Permit Application Number:
MVN-1997-00353 WKK

Project Manager:
Elizabeth Johnson
(225) 219-3225 / fax: (225) 219-3156
WQC Application Number:
WQC-140116-02

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: Section 10 of the Rivers and Harbors Act of March 3, 1899 (30 Stat. 1151; 33 USC 403); and/or Section 404 of the Clean Water Act (86 Stat. 816; 33 USC 1344).

The application has also been mailed to the Louisiana Department of Environmental Quality, for a Water Quality Certification (WQC) in accordance with statutory authority contained in Louisiana Revised Statute 30:2074 A(3), and provisions of Section 401 of the Clean Water Act (P.L. 95-17).

BULK TERMINAL NO. 1 EXPANSION IN CALCASIEU PARISH

NAME OF APPLICANT: Lake Charles Harbor and Terminal District, c/o Gahagan and Bryant Associates, Inc., 9330 Kirby Drive, Suite 100, Houston, Texas 77054.

LOCATION OF WORK: In Calcasieu Parish, 3501 Bayou D'Inde Road, Section 16, Township 10S, and Range 9W, located in the community of Westlake, as shown on the attached vicinity map. (Hydrologic Unit Code 08080206, Calcasieu Basin)

CHARACTER OF WORK: In Calcasieu River and Pass Ship Channel, dredging operations would be conducted for channel deepening and a dock structure and Open Cell designed bulkhead would be installed. Channel deepening would result in the removal of approximately 1,100,000 cubic yards of channel-bottom material which is to be placed in existing upland sites known as USACE Placement Area (PA)-3, PA-6, PA-7, and/or PA-8. The expansion of the eastside of the existing Bulk Terminal No. 1 includes the construction of an approximately 2,785 feet of pile supported dock structure and the removal of an existing walkway and dolphins from the existing wharf. The dock structure includes the construction of an approximately 775 feet long wharf, 840-foot wide area for a lay berth station, 840-foot wide area for a liquid dock loading station, and appurtenant structures associated with these stations. Approximately 2,290 feet of Open Cell designed bulkhead would be installed along the PA-6 shoreline with the outer edge to extend approximately 55 feet channelward therefrom. The proposed breasting dolphins are to be located approximately 250 feet from the Limits of Federal Channel line. The project would allow the facility to handle additional dry bulk/liquid products as well as providing erosion protection.

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 submitted 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 forwarded to the Corps of Engineers at the address above, **ATTENTION: REGULATORY BRANCH**. Individuals or parties may request an extension of time in which to comment on the proposed work by writing, faxing, 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. 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.

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. Issuance of this public notice solicits input from the State Archeologist and State Historic Preservation Officer regarding potential impacts to cultural resources.

Our initial finding is that the proposed work would neither affect 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.

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 or alteration of 30.8 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, 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

FOR PERMITTING

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

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			Gahagan & Bryant Associates, Inc. 9330 Kirby Drive, Suite 100 Houston, TX 77054 832.377.4800 (O) 832.377.4802 (F) www.gba-inc.com		USACE Permit #		Applicant:	
INDEX OF SHEETS								
DATE: DECEMBER 20, 2013	PARISH: CALCASIEU	REV.#: 0	SCALE: NONE		EXHIBIT: 00.1			
FILE: POLC_BT1ExpansionPrj.dwg								

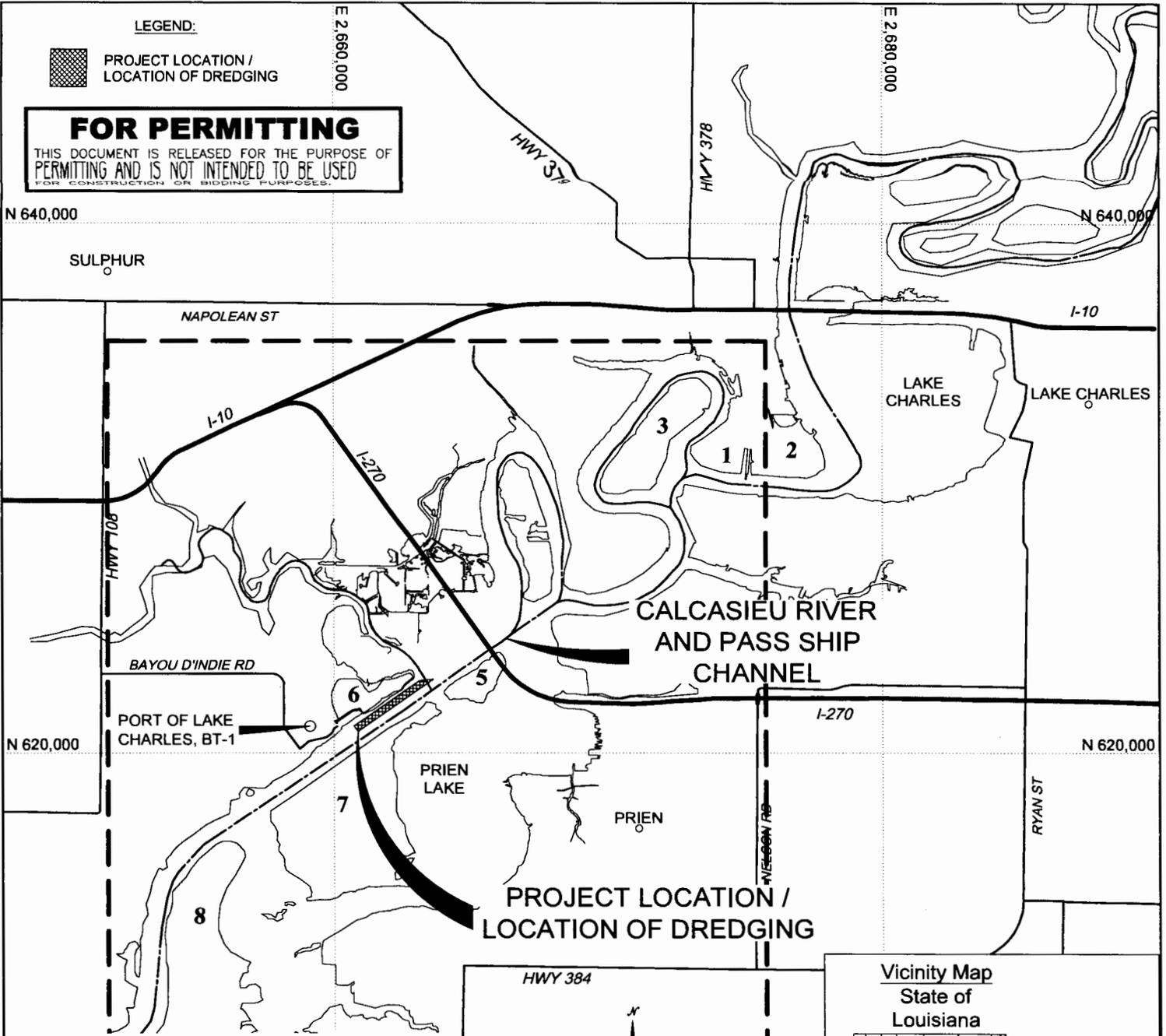
LEGEND:



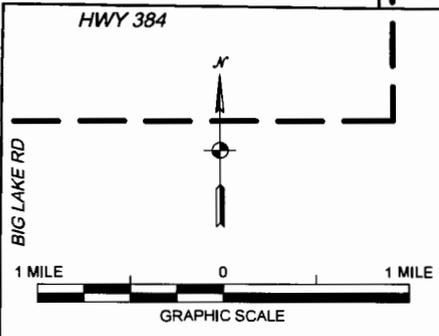
PROJECT LOCATION /
LOCATION OF DREDGING

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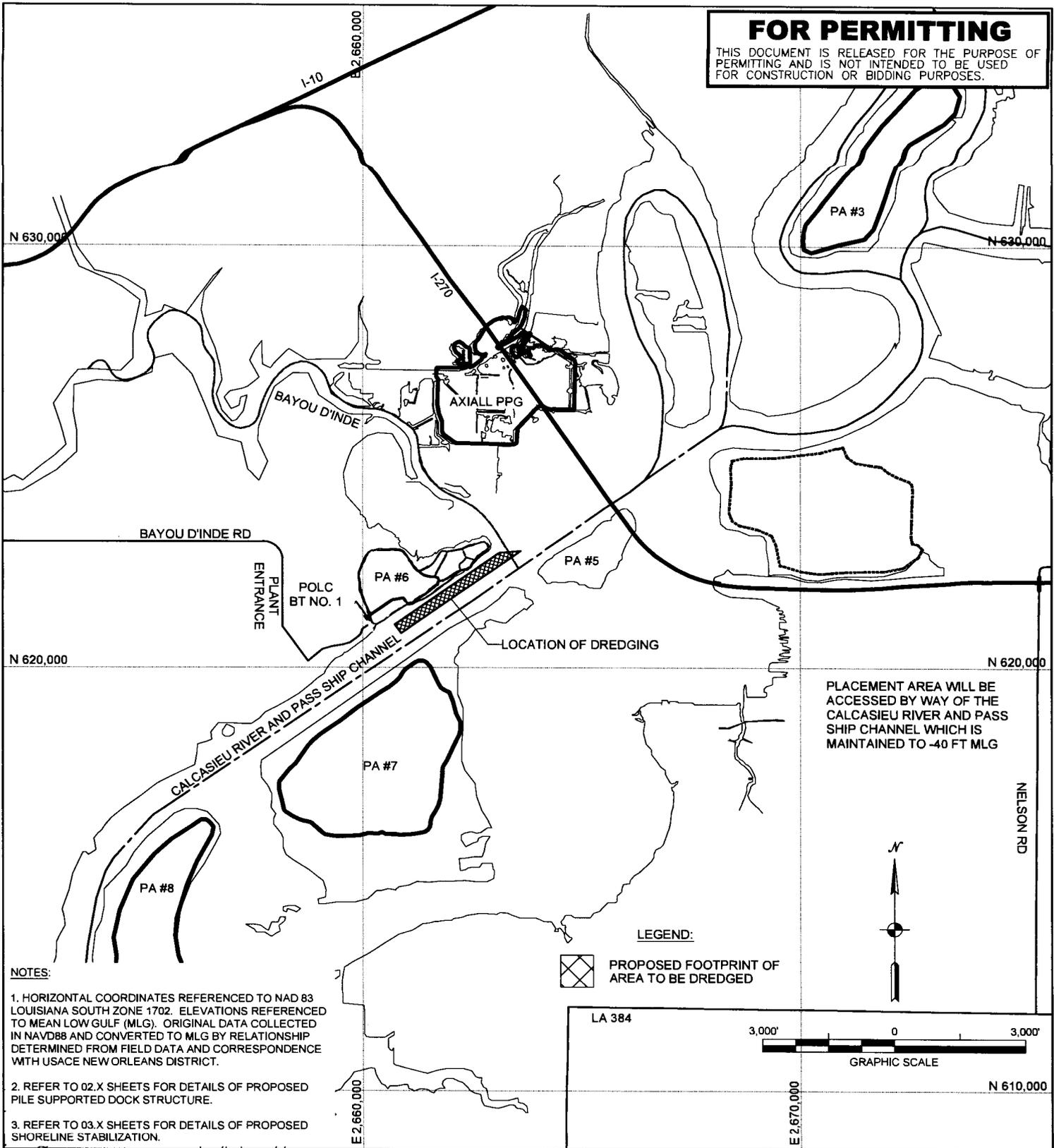
- NOTES:**
1. CONTOURS SHOWN REPRESENT A COMBINED DATA SET INCORPORATING GBA HYDROGRAPHIC SURVEY DATA COLLECTED IN DECEMBER OF 2012 AND TOPOGRAPHIC SURVEY DATA PROVIDED BY PELICAN LAND SURVEYING, L.L.C., COLLECTED IN OCTOBER AND NOVEMBER OF 2012. ELEVATIONS ARE POSITIVE UNLESS PRECEDED BY A (-) SIGN.
 2. HORIZONTAL COORDINATES REFERENCED TO NAD 83 LOUISIANA SOUTH ZONE 1702. ELEVATIONS REFERENCED TO MEAN LOW GULF (MLG). ORIGINAL DATA COLLECTED IN NAVD88 AND CONVERTED TO MLG BY RELATIONSHIP DETERMINED FROM FIELD DATA AND CORRESPONDENCE WITH USACE NEW ORLEANS DISTRICT.



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 USACE Permit # Applicant:	
PROJECT: PERMIT APPLICATION FOR THE BULK TERMINAL NO. 1 EXPANSION PROJECT WESTLAKE, LOUISIANA					
PROJECT VICINITY MAP					
DATE: DECEMBER 20, 2013	PARISH: CALCASIEU	REV.#: 0	DATE: -		
FILE: POLC_BT1ExpansionPrj.dwg	Gahagan & Bryant Associates, Inc. 9330 Kirby Drive, Suite 100 Houston, TX 77054 832.377.4800 (O) 832.377.4802 (F) www.gba-inc.com		SCALE: AS SHOWN		

FOR PERMITTING

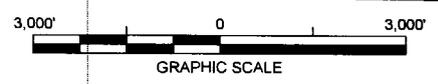
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PLACEMENT AREA WILL BE ACCESSED BY WAY OF THE CALCASIEU RIVER AND PASS SHIP CHANNEL WHICH IS MAINTAINED TO -40 FT MLG

LEGEND:

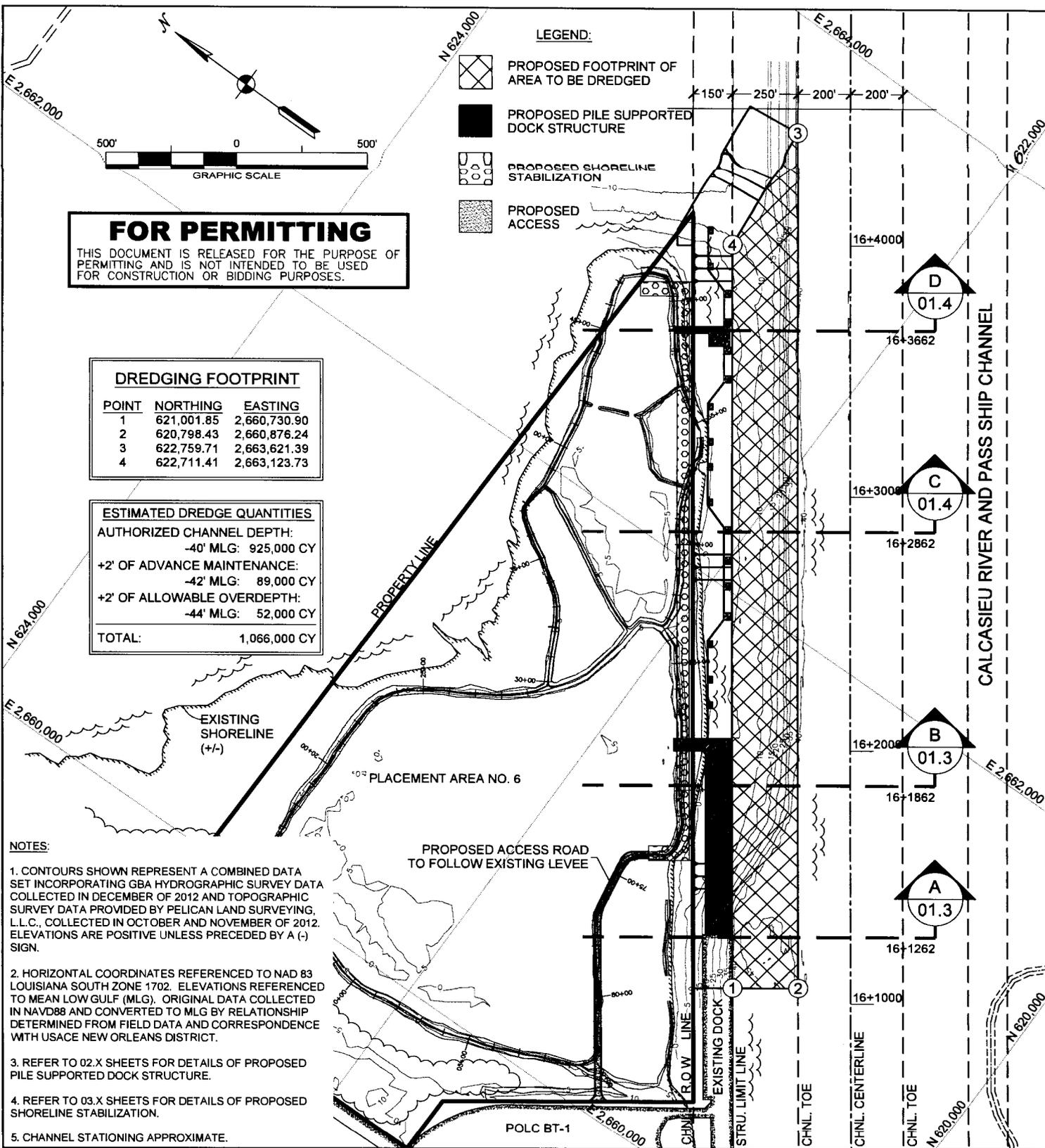
 PROPOSED FOOTPRINT OF AREA TO BE DREDGED



NOTES:

1. HORIZONTAL COORDINATES REFERENCED TO NAD 83 LOUISIANA SOUTH ZONE 1702. ELEVATIONS REFERENCED TO MEAN LOW GULF (MLG). ORIGINAL DATA COLLECTED IN NAVD88 AND CONVERTED TO MLG BY RELATIONSHIP DETERMINED FROM FIELD DATA AND CORRESPONDENCE WITH USACE NEW ORLEANS DISTRICT.
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				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 #	
DREDGING SITE PLAN				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.#: 0	DATE: -			SCALE: AS SHOWN	EXHIBIT: 01.1
FILE: POLC_BT1ExpansionPrj.dwg							



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DREDGING FOOTPRINT

POINT	NORTHING	EASTING
1	621,001.85	2,660,730.90
2	620,798.43	2,660,876.24
3	622,759.71	2,663,621.39
4	622,711.41	2,663,123.73

ESTIMATED DREDGE QUANTITIES

AUTHORIZED CHANNEL DEPTH:
 -40' MLG: 925,000 CY

+2' OF ADVANCE MAINTENANCE:
 -42' MLG: 89,000 CY

+2' OF ALLOWABLE OVERDEPTH:
 -44' MLG: 52,000 CY

TOTAL: 1,066,000 CY

- NOTES:**
1. CONTOURS SHOWN REPRESENT A COMBINED DATA SET INCORPORATING GBA HYDROGRAPHIC SURVEY DATA COLLECTED IN DECEMBER OF 2012 AND TOPOGRAPHIC SURVEY DATA PROVIDED BY PELICAN LAND SURVEYING, L.L.C., COLLECTED IN OCTOBER AND NOVEMBER OF 2012. ELEVATIONS ARE POSITIVE UNLESS PRECEDED BY A (-) SIGN.
 2. HORIZONTAL COORDINATES REFERENCED TO NAD 83 LOUISIANA SOUTH ZONE 1702. ELEVATIONS REFERENCED TO MEAN LOW GULF (MLG). ORIGINAL DATA COLLECTED IN NAVD88 AND CONVERTED TO MLG BY RELATIONSHIP DETERMINED FROM FIELD DATA AND CORRESPONDENCE WITH USACE NEW ORLEANS DISTRICT.
 3. REFER TO 02.X SHEETS FOR DETAILS OF PROPOSED PILE SUPPORTED DOCK STRUCTURE.
 4. REFER TO 03.X SHEETS FOR DETAILS OF PROPOSED SHORELINE STABILIZATION.
 5. CHANNEL STATIONING APPROXIMATE.

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 #

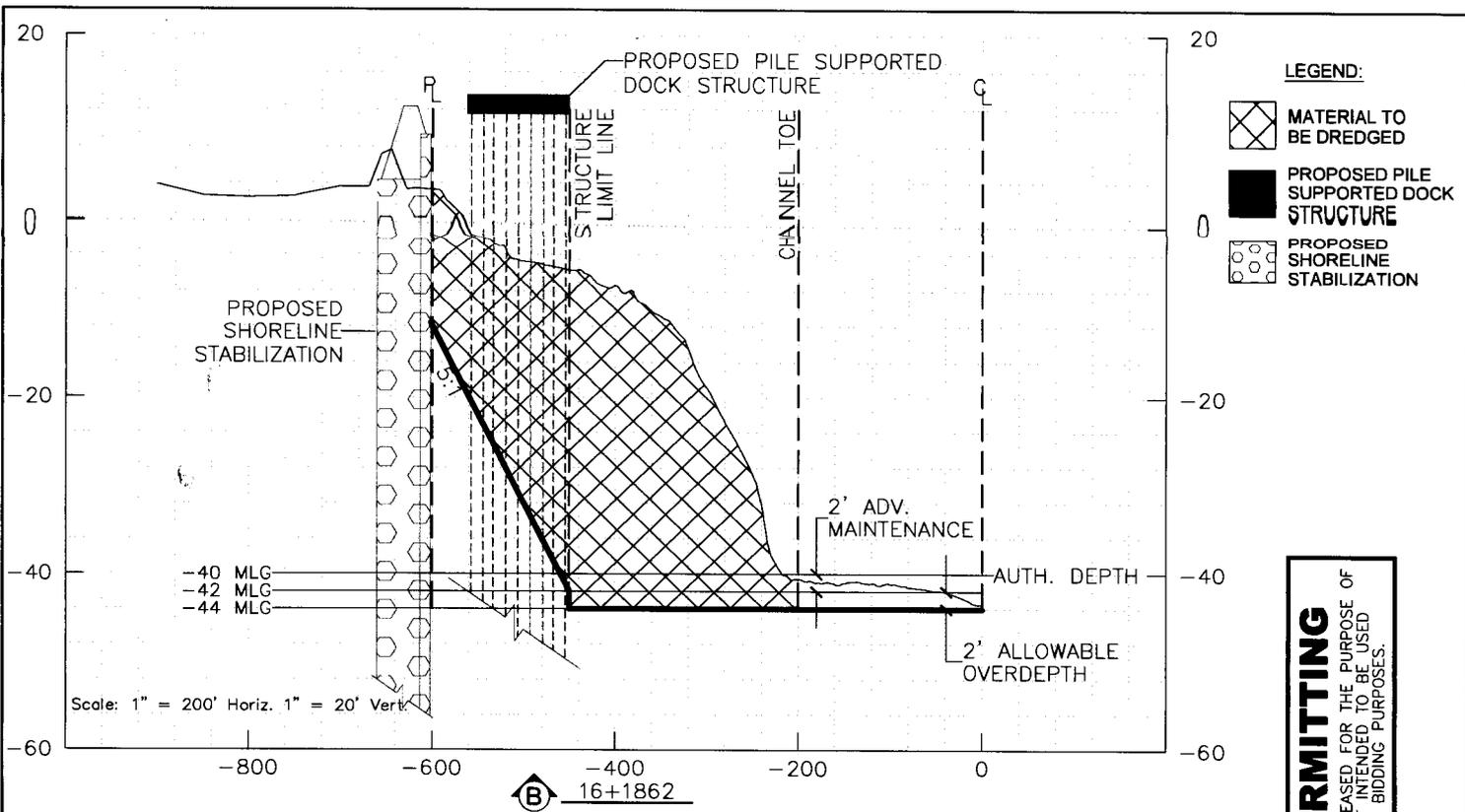
Applicant:

SCALE: AS SHOWN EXHIBIT: 01.2

DREDGE TEMPLATE

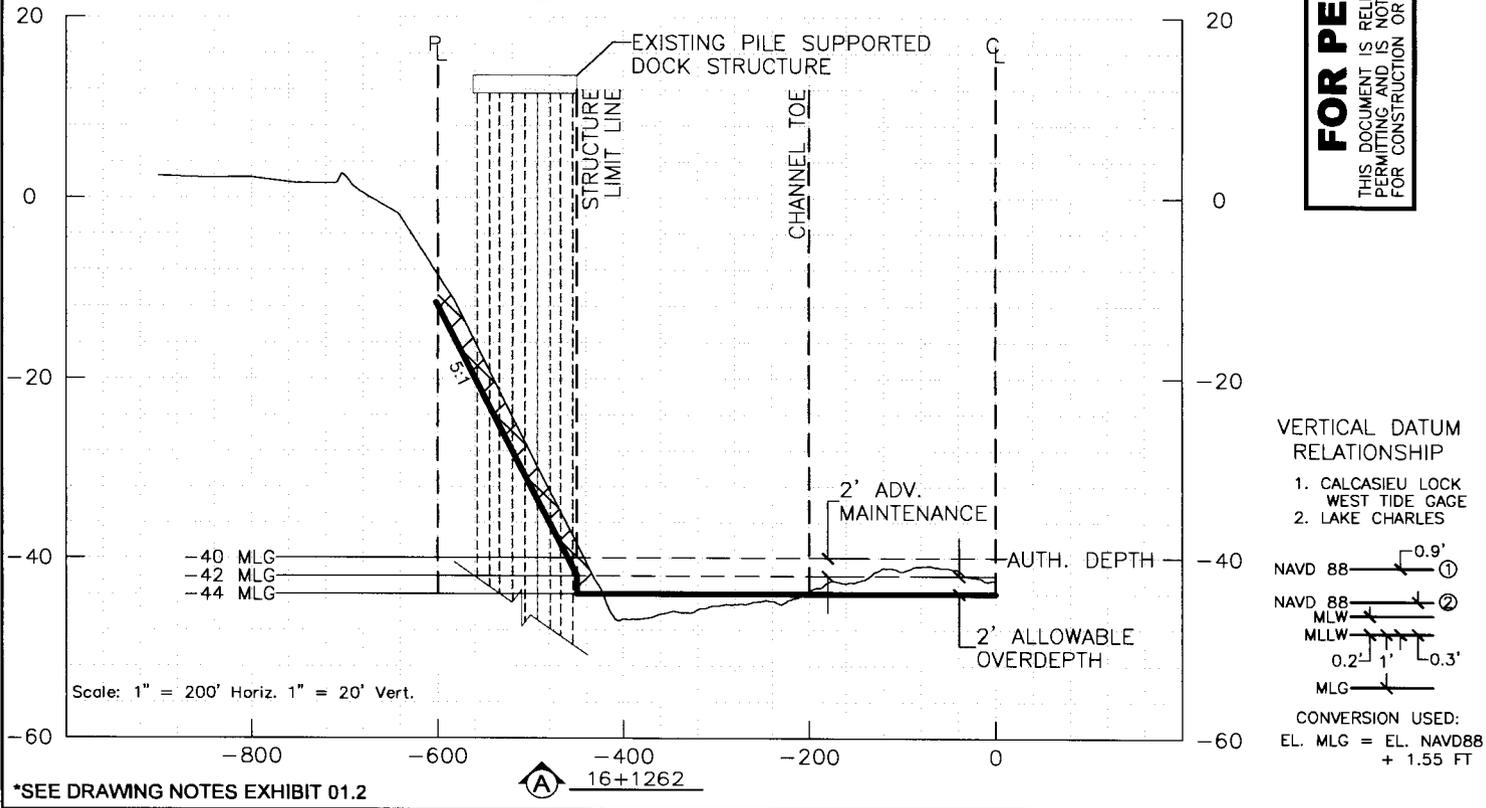
DATE: DECEMBER 20, 2013	PARISH: CALCASIEU	REV.#: 0
FILE: POLC_BT1ExpansionPrj.dwg		DATE: -

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



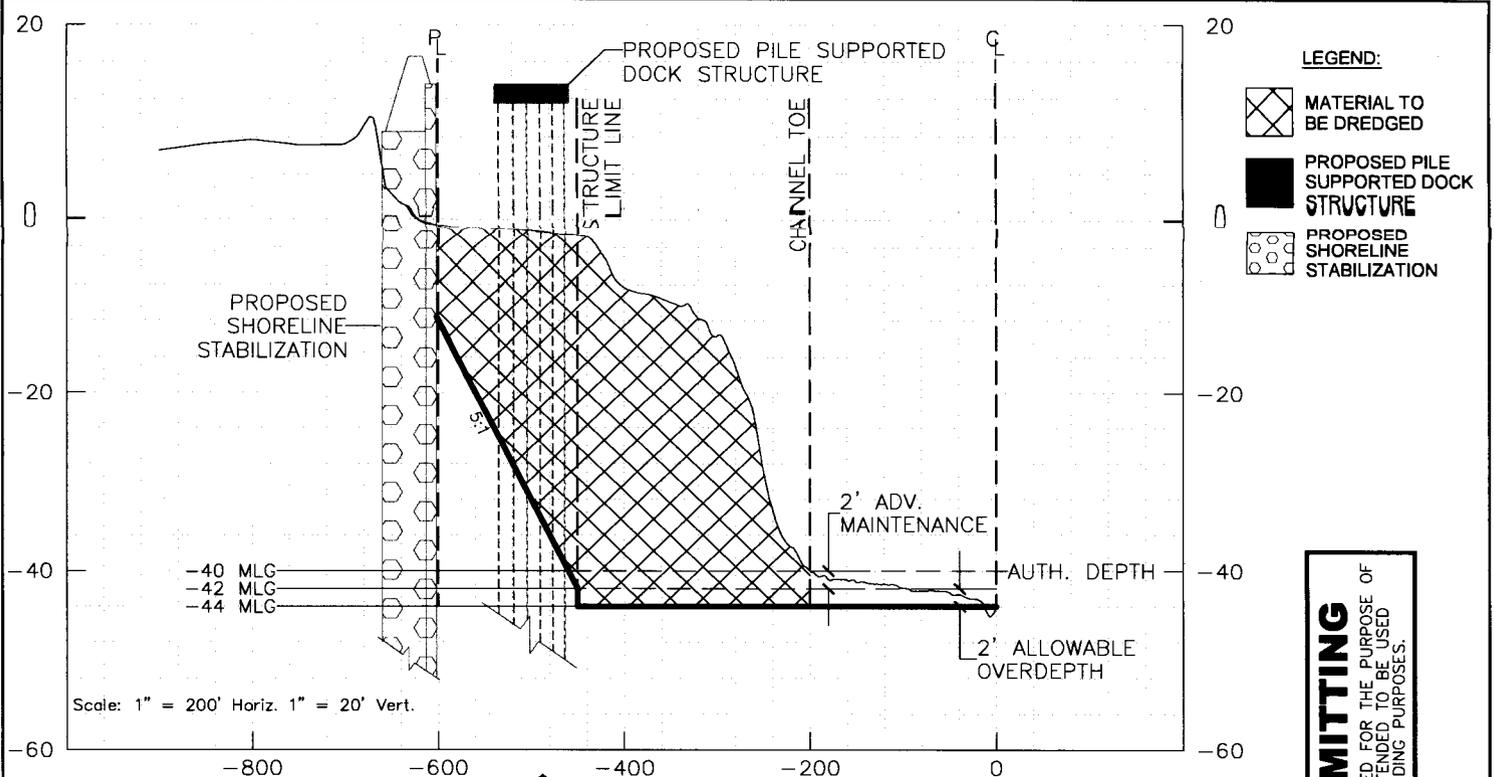
- LEGEND:**
-  MATERIAL TO BE DREDGED
 -  PROPOSED PILE SUPPORTED DOCK STRUCTURE
 -  PROPOSED SHORELINE STABILIZATION

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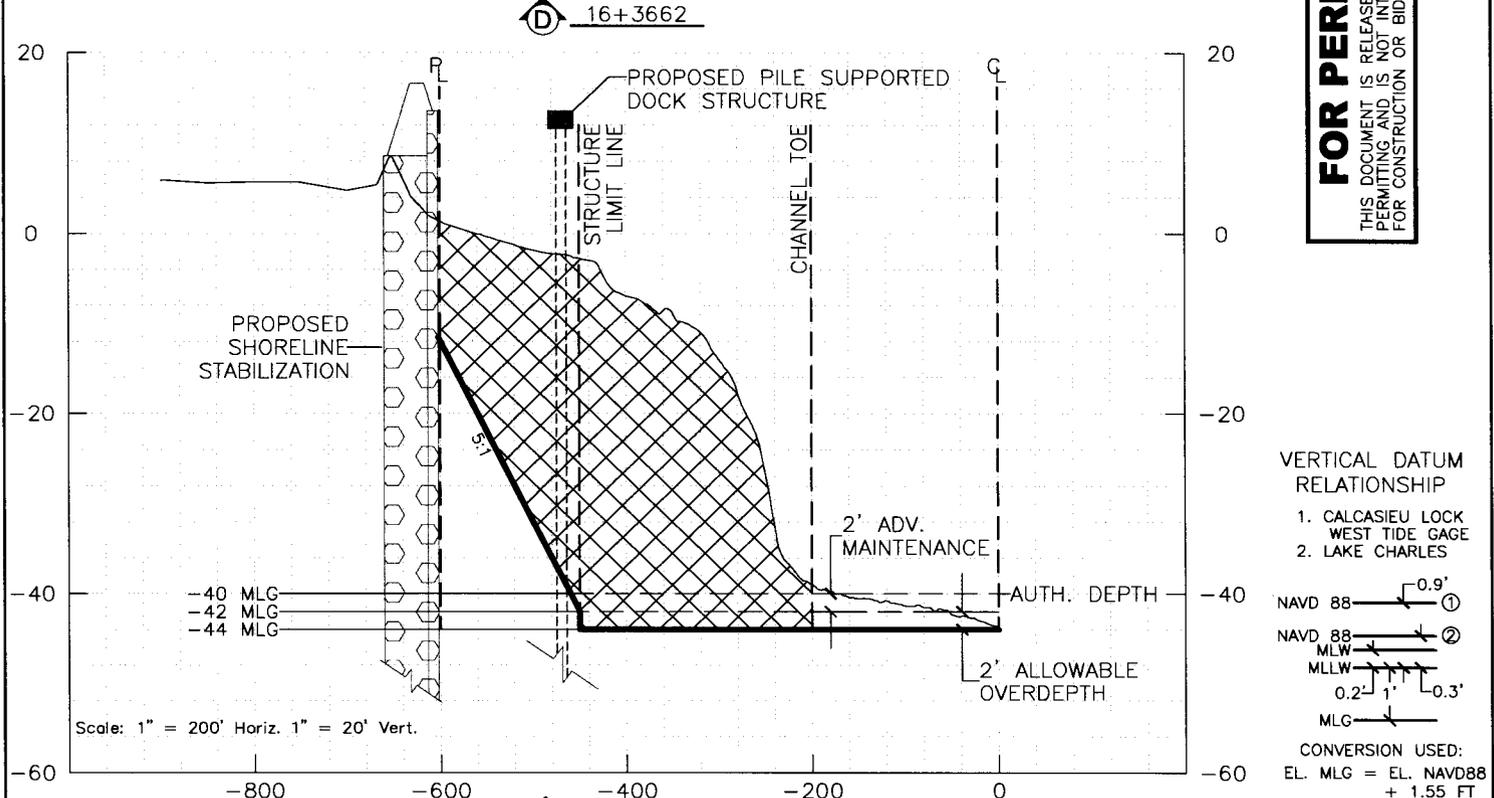
- VERTICAL DATUM RELATIONSHIP**
1. CALCASIEU LOCK WEST TIDE GAGE
 2. LAKE CHARLES
- NAVD 88 \rightarrow 0.9' $\text{\textcircled{1}}$
 NAVD 88 \rightarrow $\text{\textcircled{2}}$
 MLW \rightarrow $\text{\textcircled{2}}$
 MLLW \rightarrow $\text{\textcircled{2}}$
 MLG \rightarrow $\text{\textcircled{2}}$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

*SEE DRAWING NOTES EXHIBIT 01.2		A 16+1262	B 16+1862	
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)		
PROJECT: PERMIT APPLICATION FOR THE BULK TERMINAL NO. 1 EXPANSION PROJECT WESTLAKE, LOUISIANA		FOR CMD/COE USE ONLY		
TYPICAL SECTIONS A & B		USACE Permit #		
DATE: DECEMBER 20, 2013 PARISH: CALCASIEU REV.#: 0 FILE: POLC_BT1ExpansionPrj.dwg DATE: -		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 \rightarrow 0.9' ①
 NAVD 88 \rightarrow ②
 MLW \rightarrow
 MLLW \rightarrow
 0.2' 1' 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		Lake Charles Harbor & Terminal District Part of Lake Charles P.O. Box 3753 Lake Charles, LA 70602 337.493.3526 (O) 337.493.3623 (F)			
PROJECT: PERMIT APPLICATION FOR THE BULK TERMINAL NO. 1 EXPANSION PROJECT WESTLAKE, LOUISIANA					
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		FOR CMD/COE USE ONLY	
DATE: DECEMBER 20, 2013 PARISH: CALCASIEU REV.#: 0		DATE: _____		USACE Permit # _____	
FILE: POLC_BT1ExpansionPrj.dwg				Applicant: _____	
				SCALE: AS SHOWN EXHIBIT: 01.4	



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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, 2011 PARISH: CALCASIEU REV.#: 0
 DATE: DATE: --
 FILE.P: \8008-00\cadd_Active_Permit-AnsiA\800800-A_PERM12-01

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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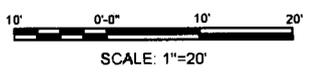
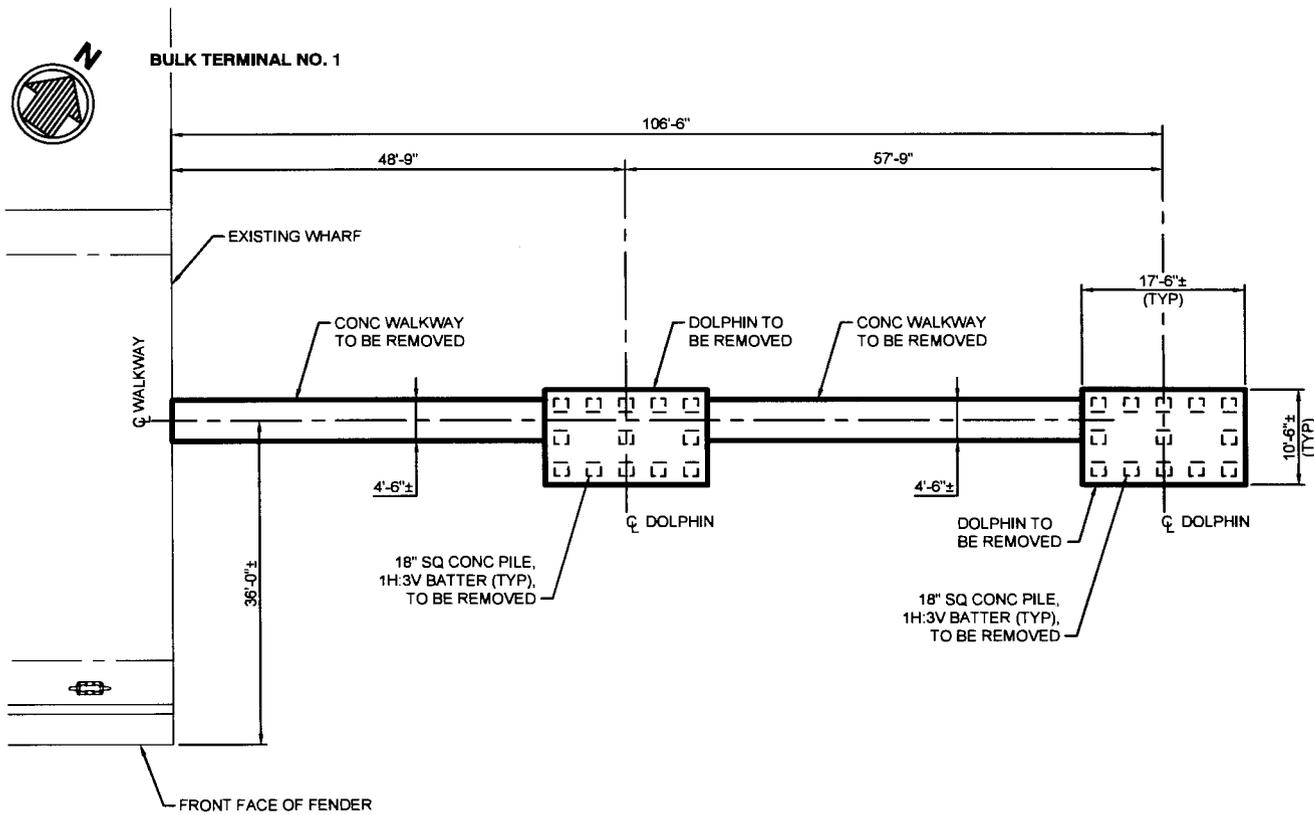
USACE Permit #

Applicant:

SCALE: AS SHOWN EXHIBIT: 2.01

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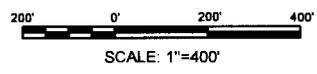
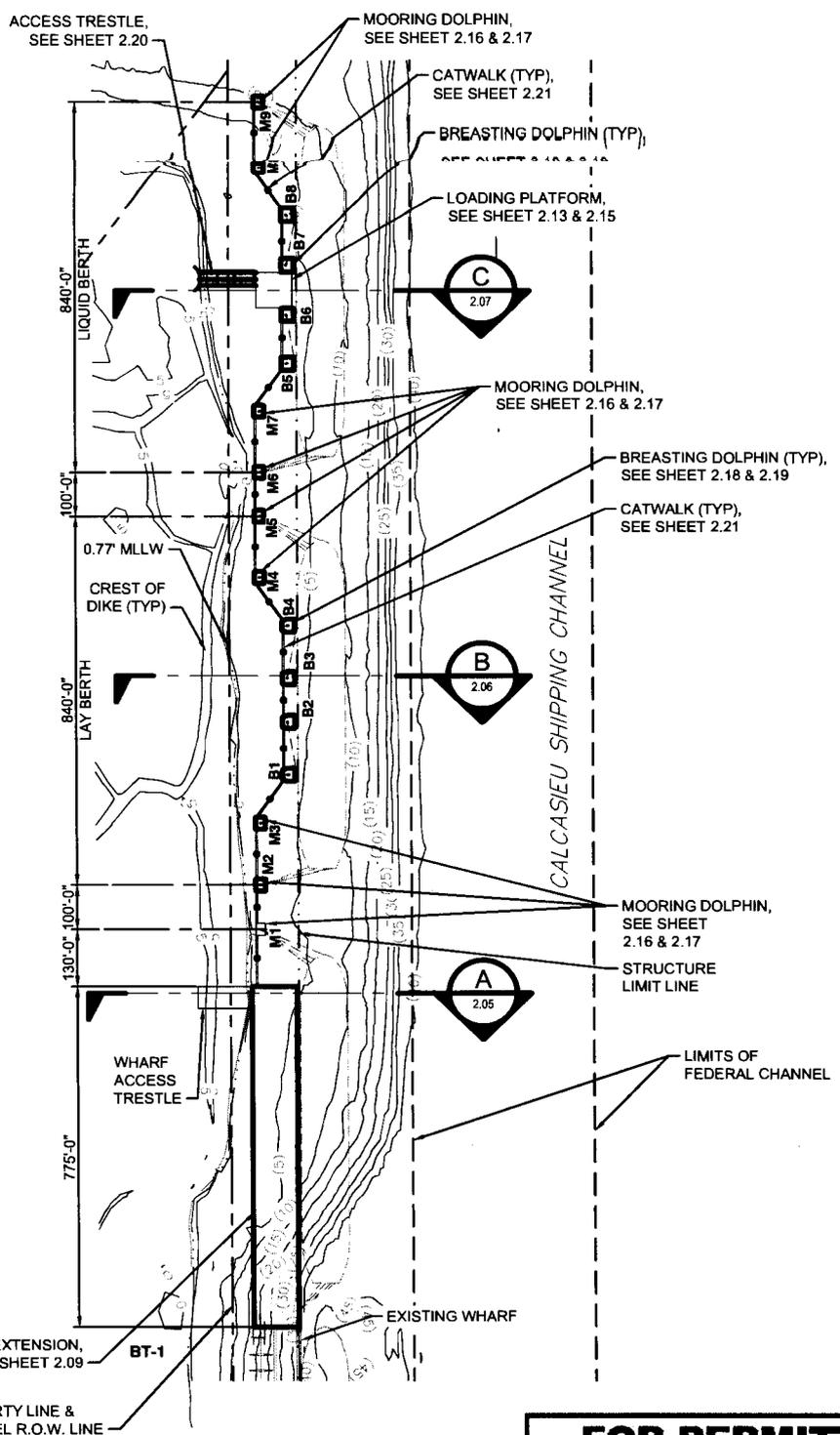


1 DEMOLITION PLAN

2.01 SCALE: 1"=20'

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 #	
DOLPHIN DEMOLITION PLAN		Applicant:		
DATE: DECEMBER 20, 2013	PARISH: CALCASIEU	REV.#: 0 DATE:	SCALE: AS SHOWN	EXHIBIT: 2.02
FILE: P:\8008-00\cadd\Active\Permit-AnsIA\800800-A_PERMIT2-02				





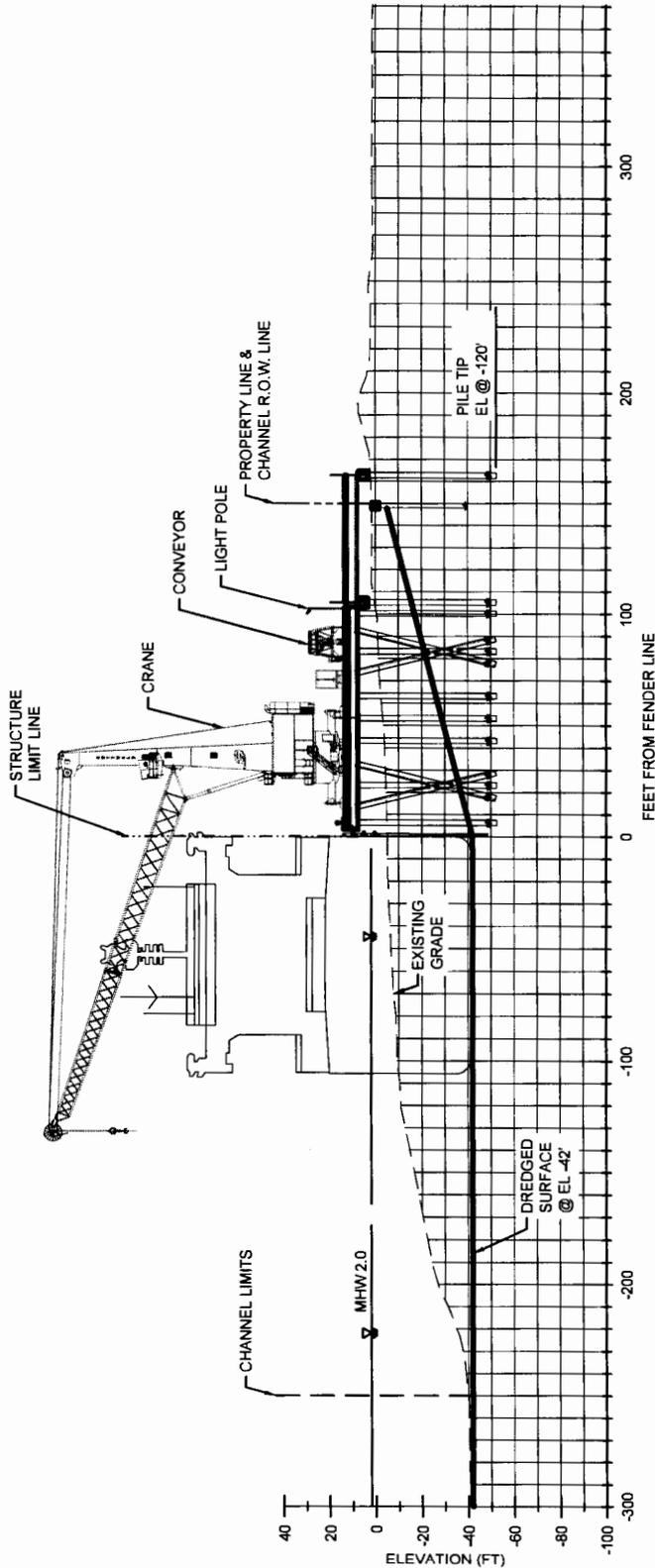
M1 = MOORING DOLPHIN I.D.
 B1 = BREASTING DOLPHIN I.D.

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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 #	
GENERAL ARRANGEMENT PLAN						Applicant:	
DATE: DECEMBER 20, 2013	PARISH: CALCASIEU	REV.#: 0	DATE:			SCALE: AS SHOWN	EXHIBIT: 2.04
FILE:P:\8008-00\cadd\Active_Permit-AnsiA\800800-A_PERMIT2-04							

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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, 2015 PARISH: CALCASIEU REV.#: 0

FILE.P: \8008-00\cadd\Active_Permit-AnsIA\800800-A_PERMIT2-05 DATE: 1

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



moffatt & nichol

FOR CMD/COE USE ONLY

USACE Permit #

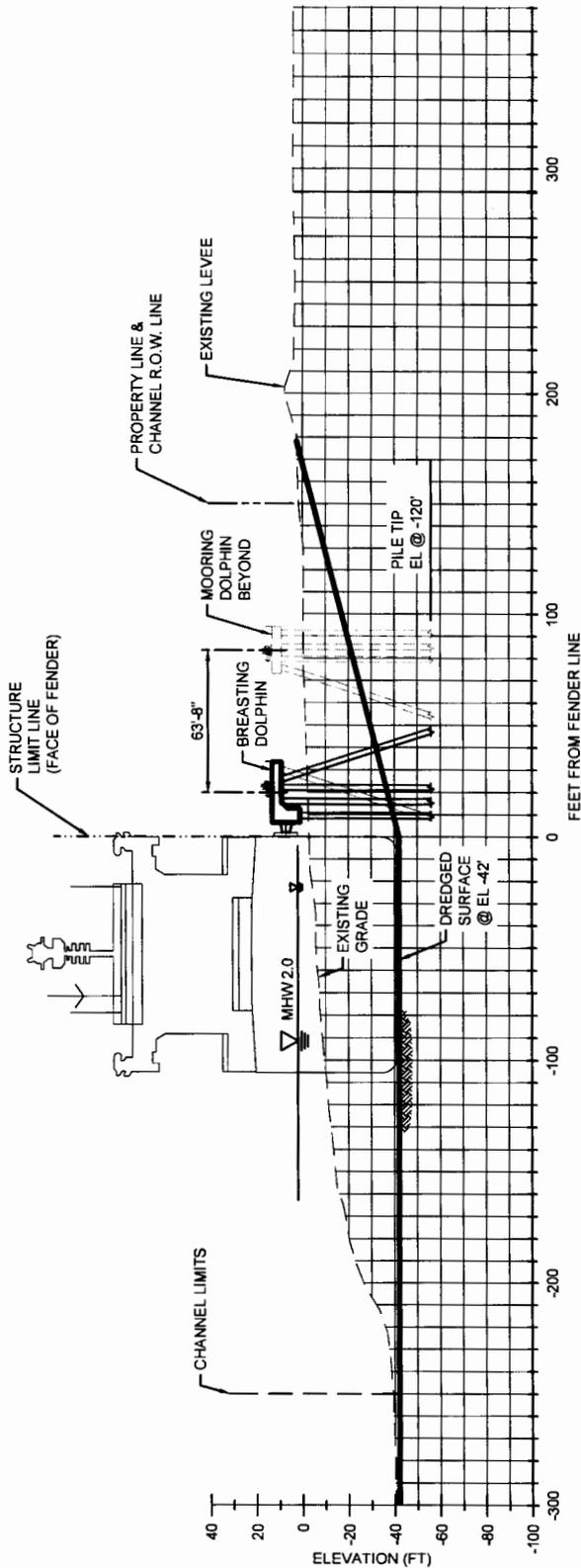
Applicant:

SCALE: AS SHOWN

EXHIBIT: 2.05

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SECTION AT BREASTING DOLPHIN

2.06

SCALE: 1"=80'



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

FILE.P: \8008-00\cadd\Active_Permit-AnsIA_800800-A_PERMIT2-06 DATE: 1

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)



moffatt & nichol

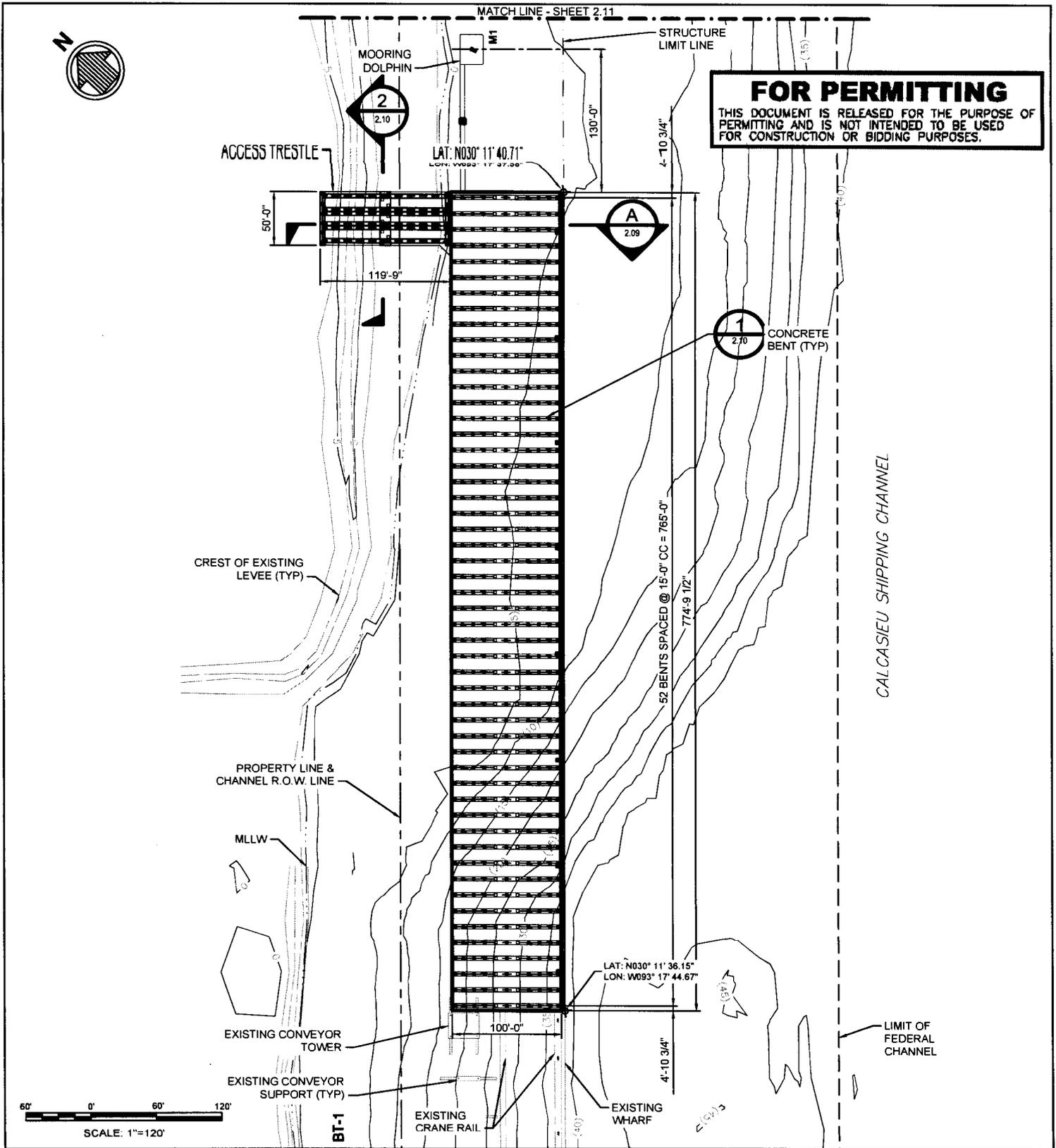
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USACE Permit #

Applicant:

SCALE: AS SHOWN

EXHIBIT: 2.06



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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
 DATE: DATE: -
 FILE.P: \8008-00\cadd\Active_Permit-AnsIA\800800-A_PERMIT2-08

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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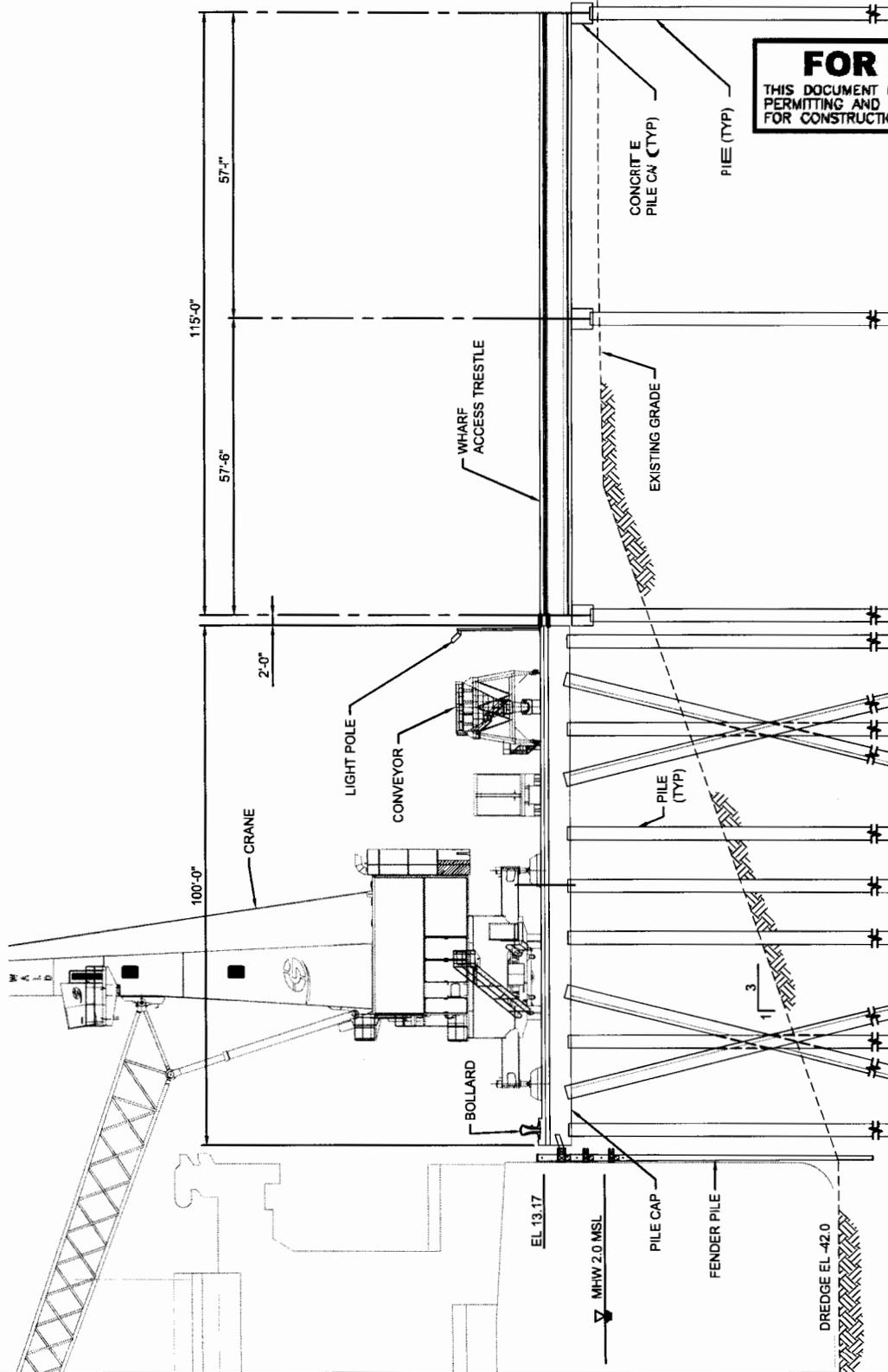
USACE Permit #

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

Lake Charles Harbor & Terminal District
Port of Lake Charles
P.O. Box 3753
Lake Charles, LA 70602
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Applicant:

WHARF EXTENSION SECTION



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SCALE: AS SHOWN

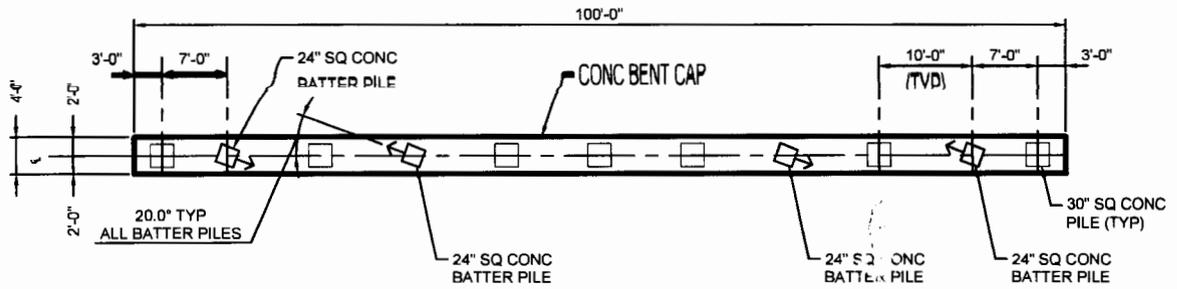
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DATE: DECEMBER 20, 2013 PARISH: CALCASIEU REV.#: 0
DATE: DATE: -

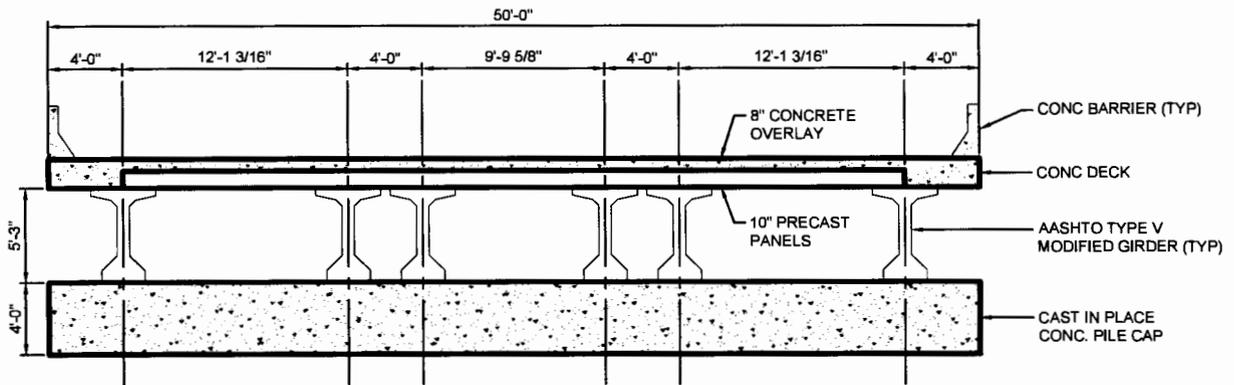
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FOR PERMITTING

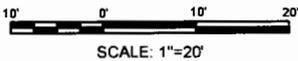
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1 PLAN - WHARF BENT (TYP)
2.08 SCALE: 1"=20'



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: -

FILE.P: 8008-00\cadd\Active_Permit-AnsiA\800800-A_PERMIT2-10

Lake Charles Harbor & Terminal District
Port of Lake Charles
P.O. Box 3753
Lake Charles, LA 70602
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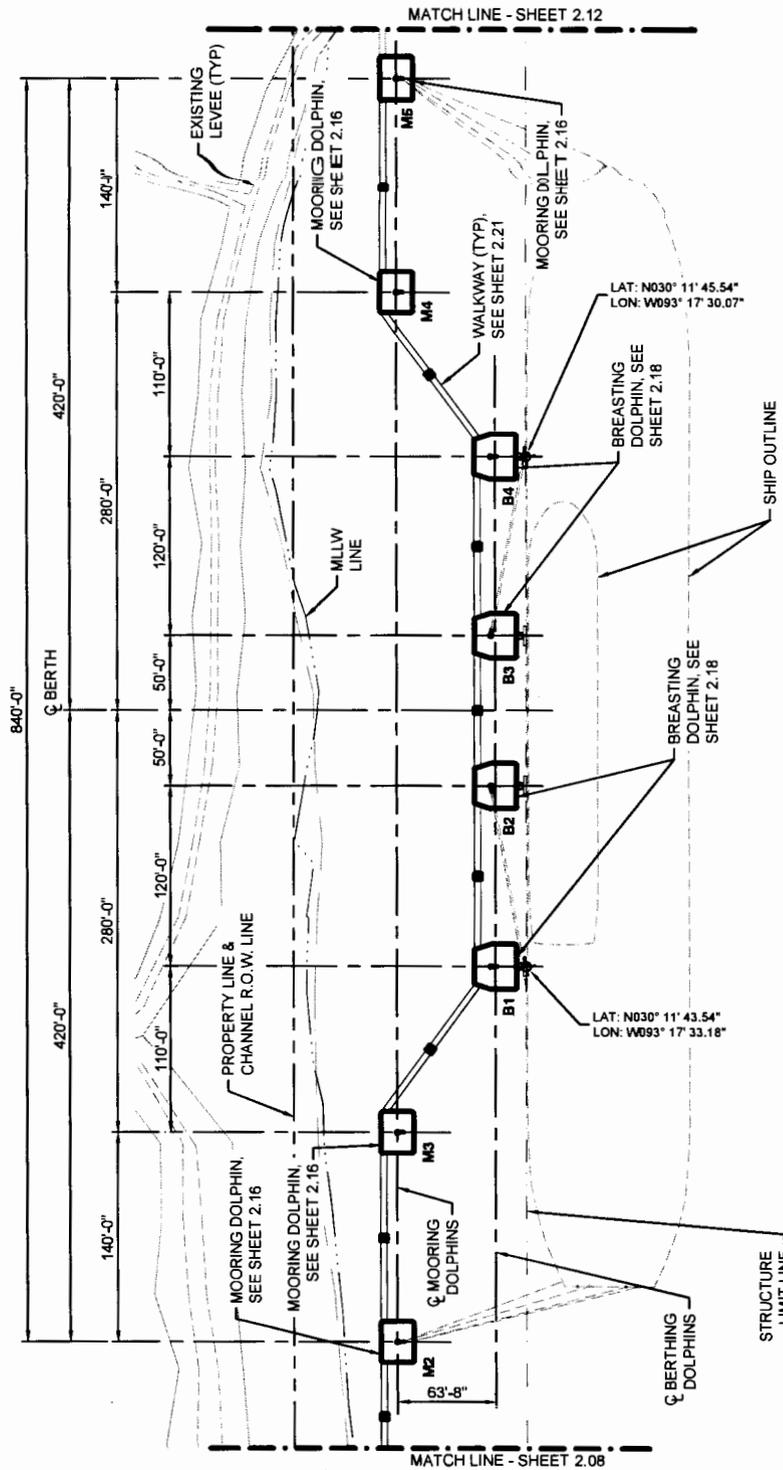
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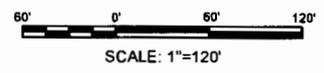
EXHIBIT: 2.10

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LIMITS OF FEDERAL CHANNEL



APPLICANT: LAKE CHARLES HARBOR & TERMINAL DISTRICT

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

Lake Charles Harbor & Terminal District
Part of Lake Charles
P.O. Box 3753
Lake Charles, LA 70602
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Applicant:

LAY BERTH PLAN



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SCALE: AS SHOWN

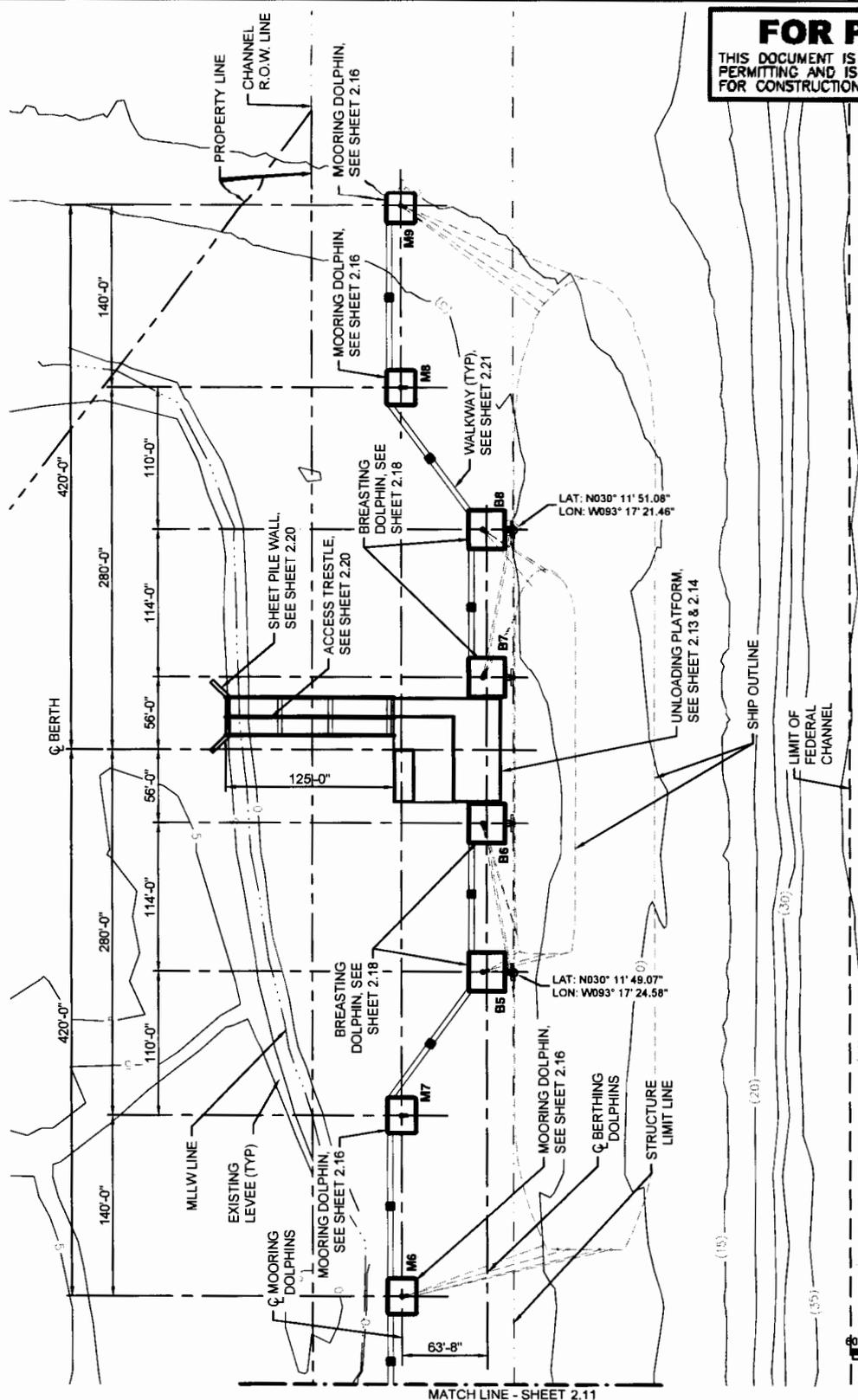
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DATE: DECEMBER 20, 2013 PARISH: CALCASIEU REV.#: 0

FILE:P:\8008-00\cadd\Active_Permit-AnsA\800800-A_PERM12-11 DATE:



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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:

LIQUID DOCK PLAN

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

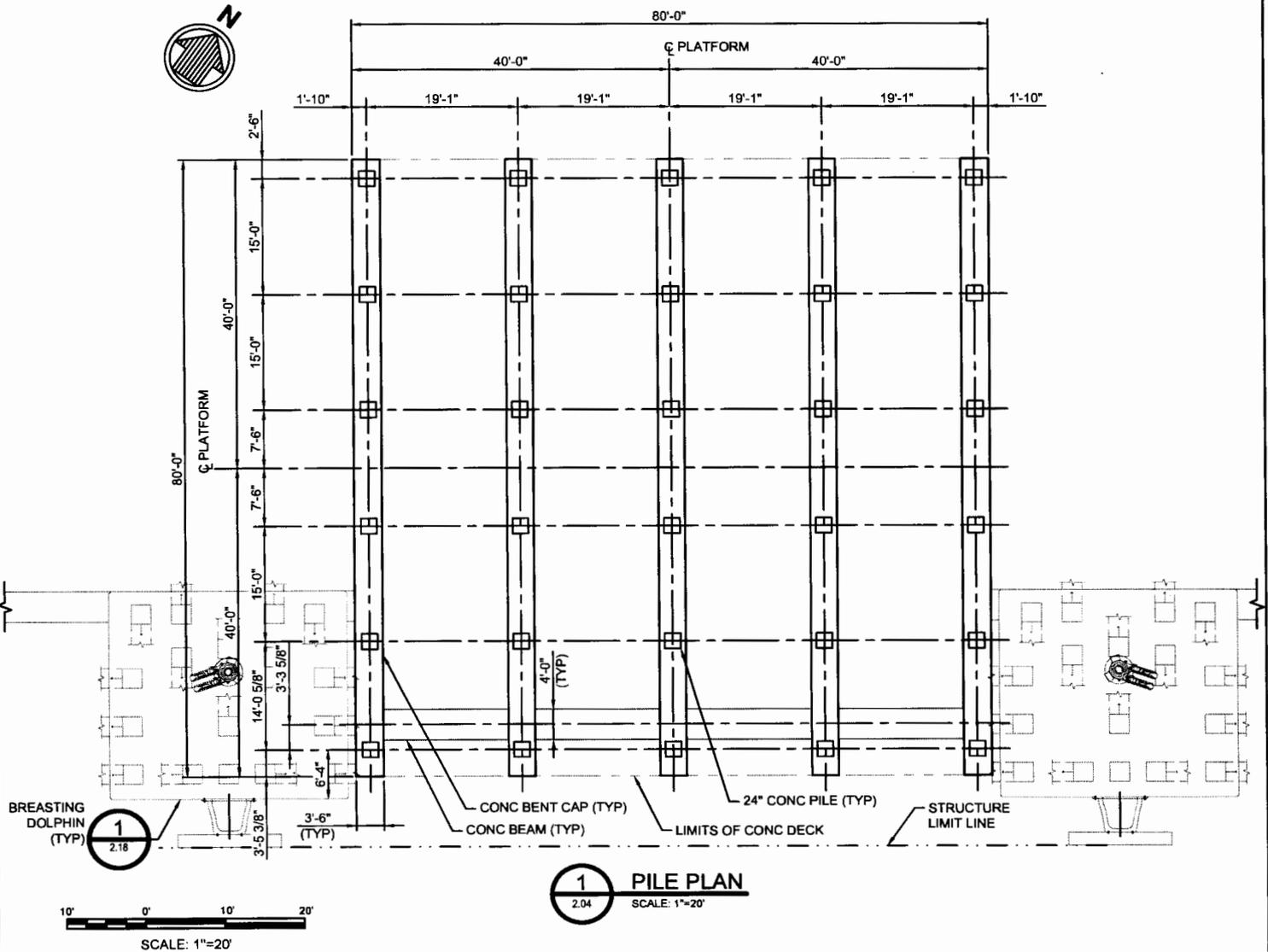


SCALE: AS SHOWN EXHIBIT: 2.12

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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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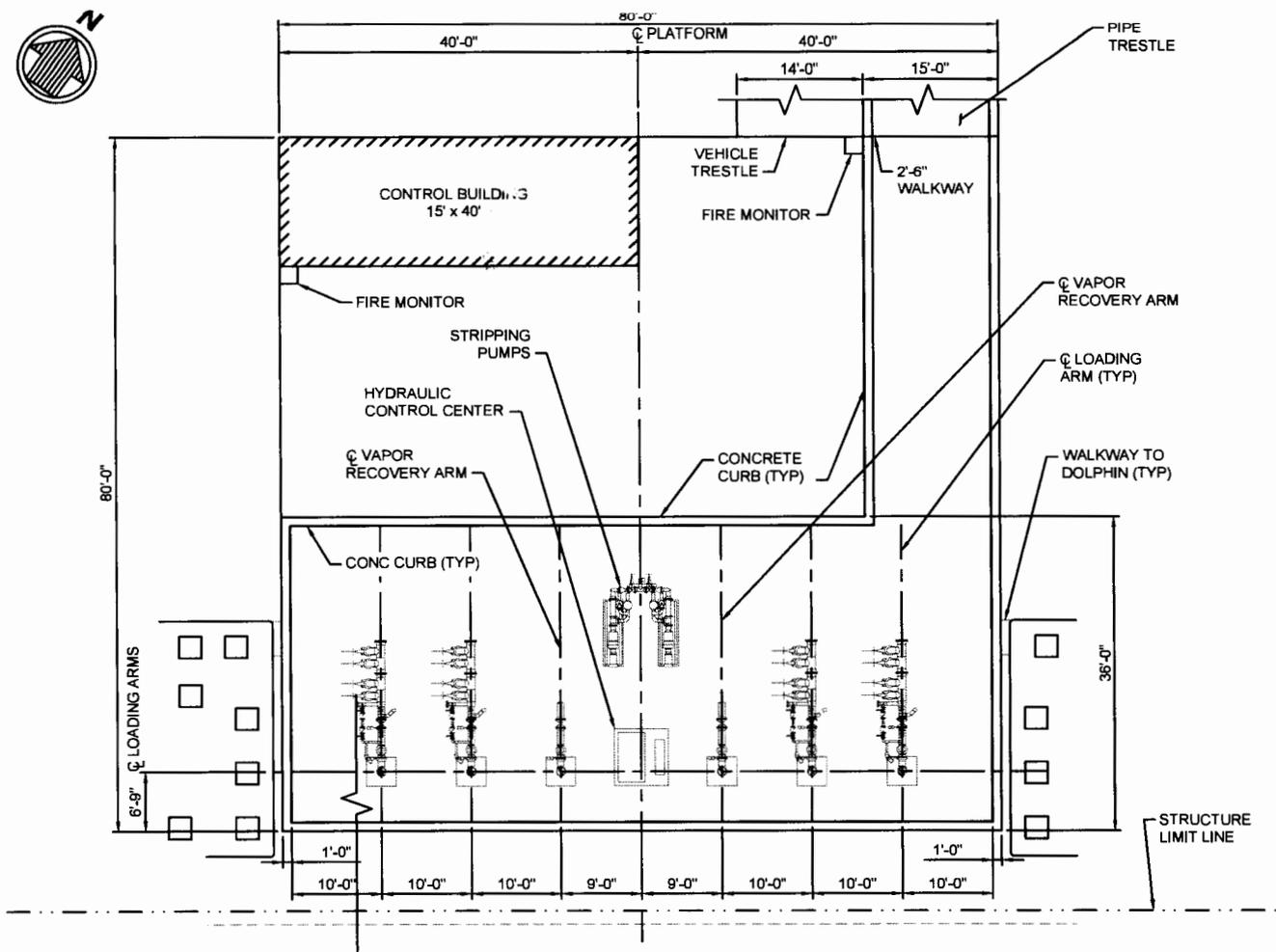
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SCALE: AS SHOWN

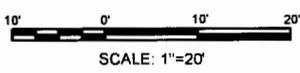
EXHIBIT: 2.13

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2 DECK PLAN
2.04 SCALE: 1"=20'

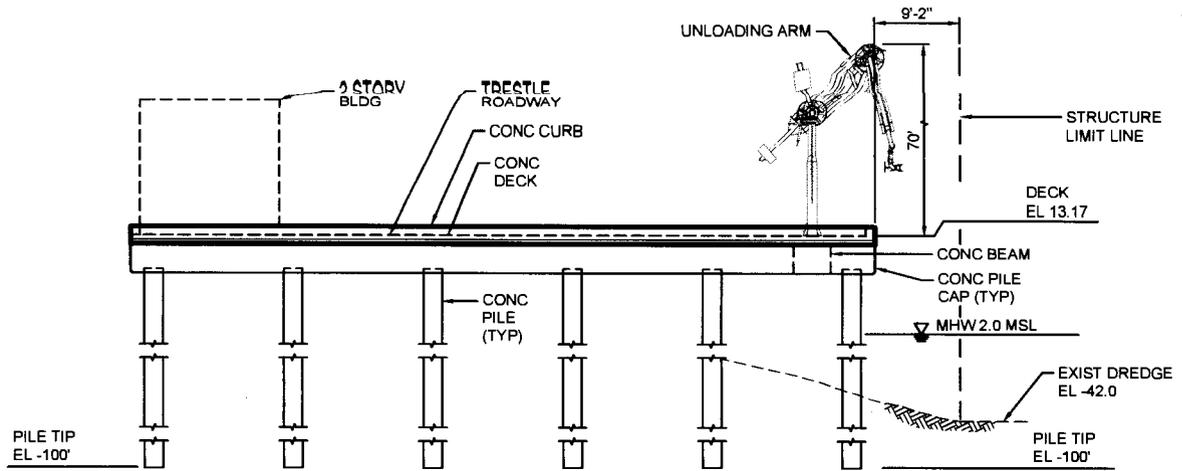


APPLICANT: LAKE CHARLES HARBOR & TERMINAL DISTRICT		Lake Charles Harbor & Terminal District Port of Lake Charles P.O. Box 3753 Lake Charles, LA 70602 337.493.3526 (O) 337.493.3623 (F)	FOR CMD/COE USE ONLY	
PROJECT: PERMIT APPLICATION FOR THE BULK TERMINAL NO. 1 EXPANSION PROJECT WESTLAKE, LOUISIANA			USACE Permit #	
LIQUID DOCK LOADING PLATFORM			Applicant:	
DATE: DECEMBER 20, 2013	PARISH: CALCASIEU	REV.#: 0 DATE:	SCALE: AS SHOWN	EXHIBIT: 2.14
FILE:P:\8008-00\cadd\Active\Permit-AnsiA\800800-A_PERMIT2-14				

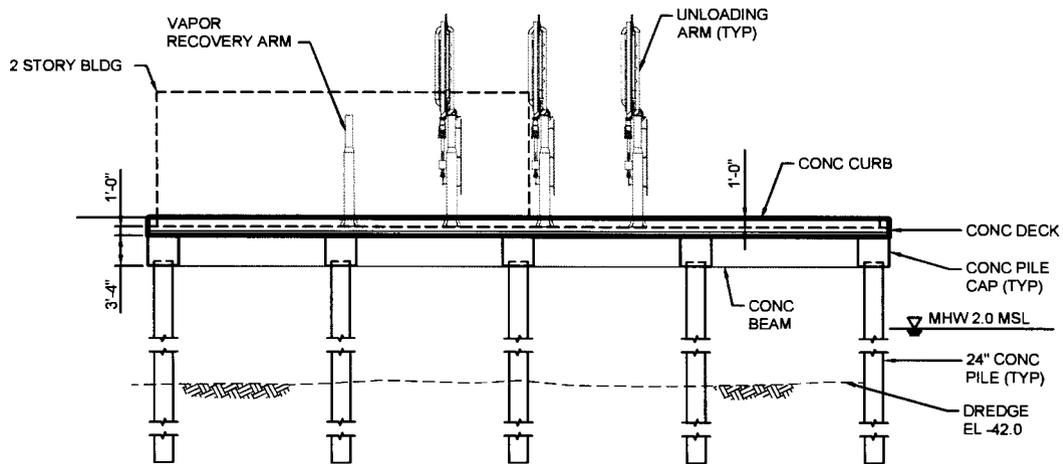


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1 ELEVATION - SIDE
2.13 SCALE: 1"=20'



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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Port of Lake Charles
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Applicant:

LIQUID DOCK PLATFORM ELEVATIONS

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

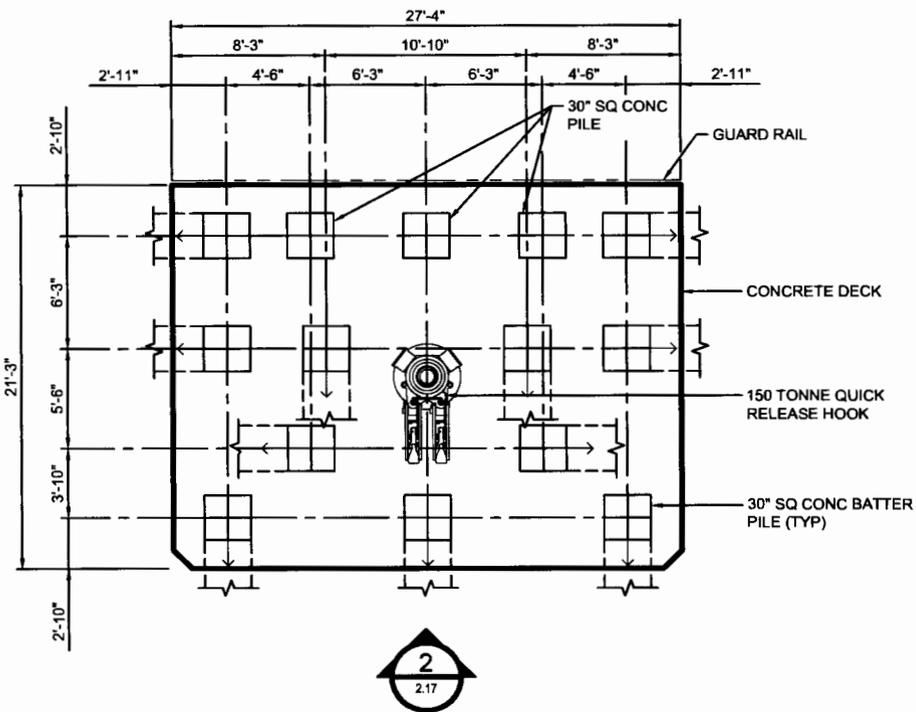
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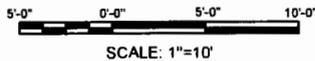
SCALE: AS SHOWN EXHIBIT: 2.15

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



APPLICANT: LAKE CHARLES HARBOR & TERMINAL DISTRICT

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

TYPICAL MOORING DOLPHIN PLAN

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

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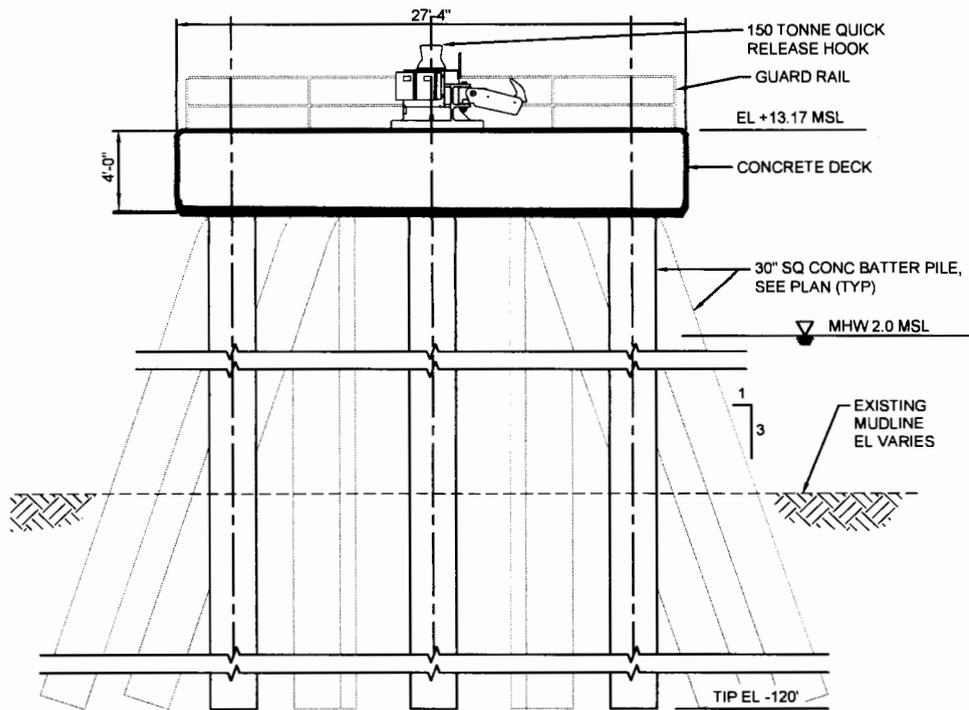
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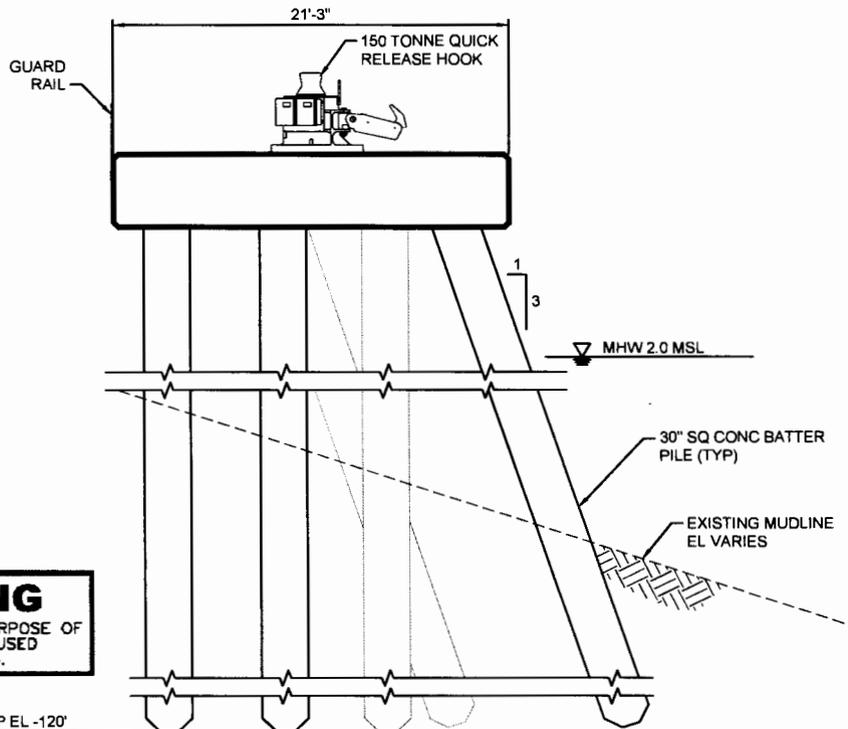
Applicant:

SCALE: AS SHOWN

EXHIBIT: 2.16



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
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:

TYPICAL MOORING DOLPHIN ELEVATIONS

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

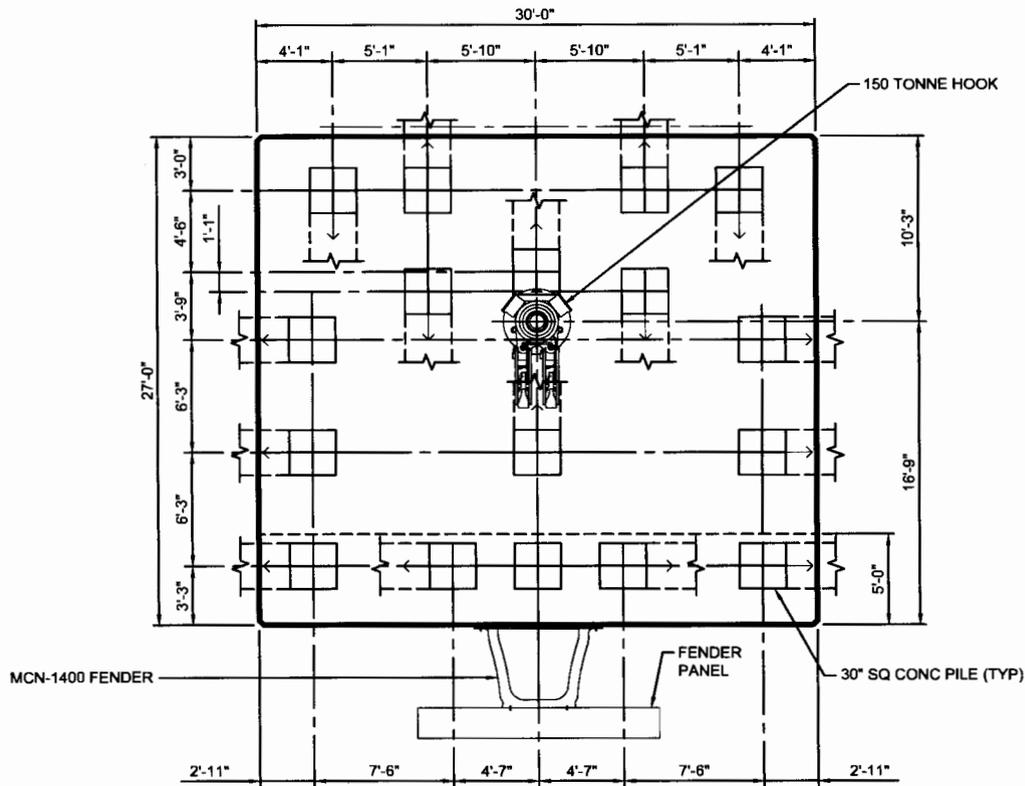
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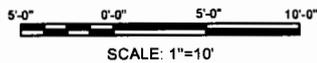
SCALE: AS SHOWN EXHIBIT: 2.17

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1 TYPICAL BREASTING DOLPHIN PLAN
2.11 SCALE: 1"=10'



APPLICANT: LAKE CHARLES HARBOR & TERMINAL DISTRICT

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

TYPICAL BREASTING DOLPHIN PLAN

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

FILE:P:\8008-00\cadd\Active_Permit-AnsiA\800800-A_PERMIT2-18

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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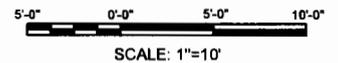
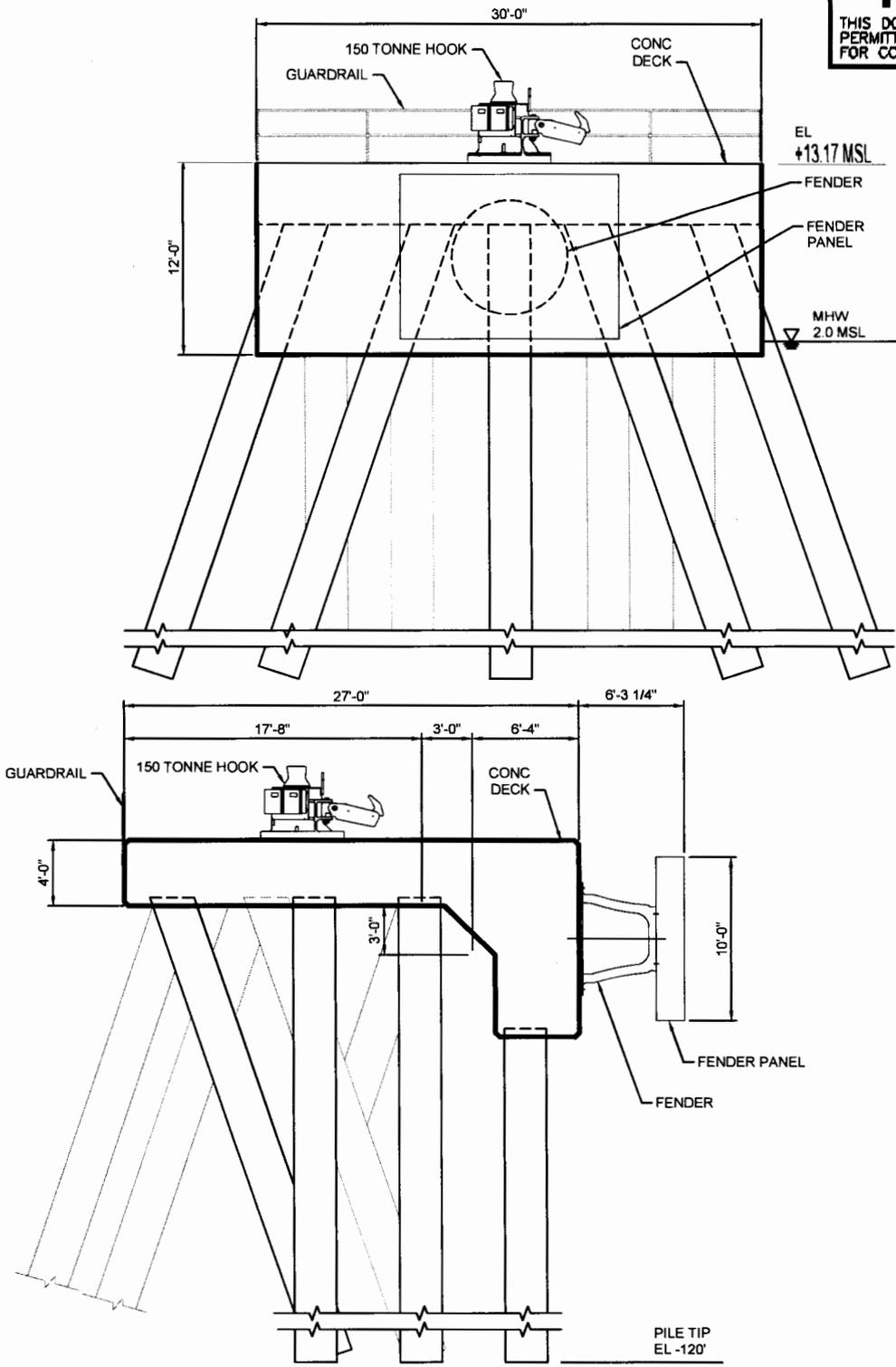
Applicant:

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
DATE: DATE: -

Lake Charles Harbor & Terminal District
Port of Lake Charles
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Lake Charles, LA 70602
337.493.3526 (O)
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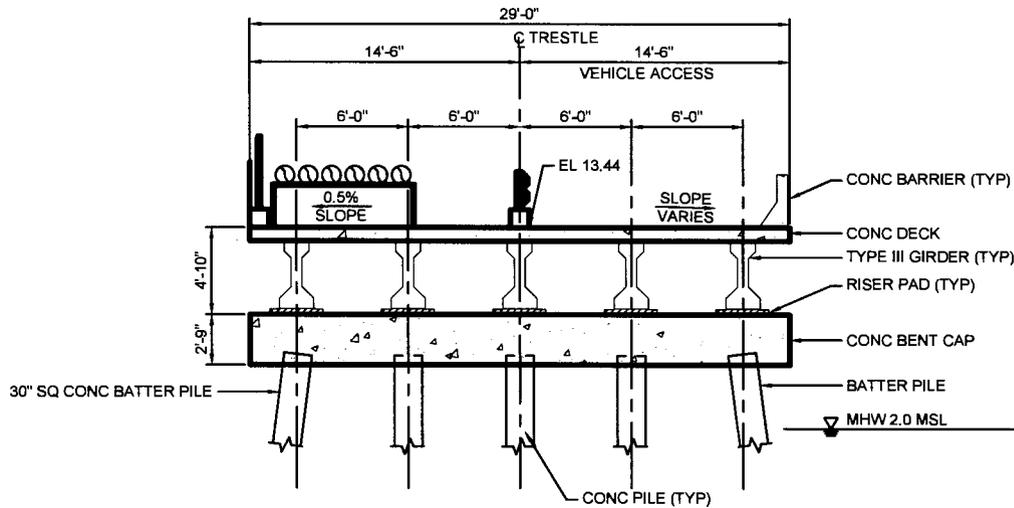
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SCALE: AS SHOWN

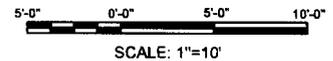
EXHIBIT: 2.19

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A SECTION
2.12
SCALE: 1"=10'



APPLICANT: LAKE CHARLES HARBOR & TERMINAL DISTRICT

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

ACCESS TRESTLE SECTION

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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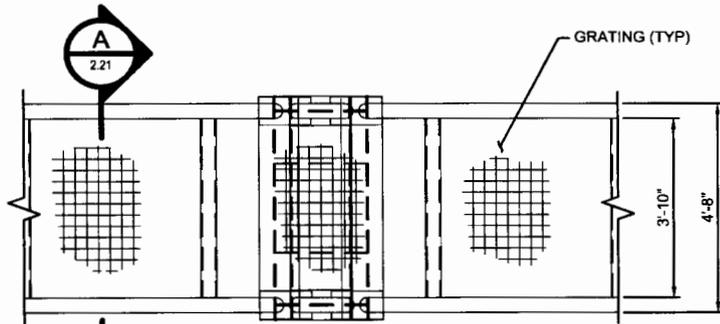
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DATE: DATE: -

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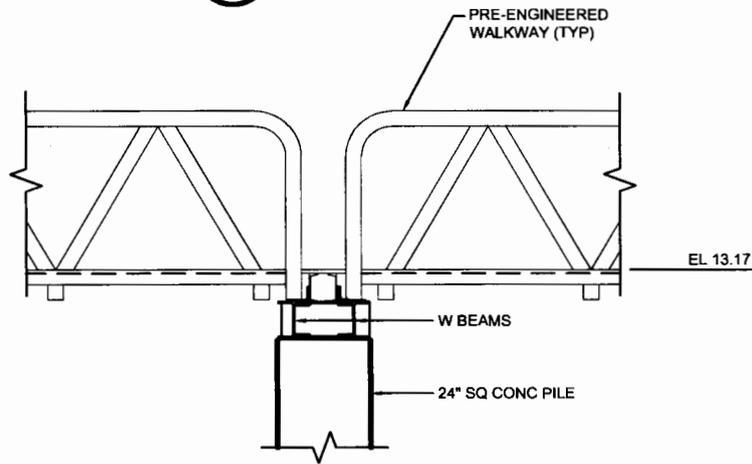
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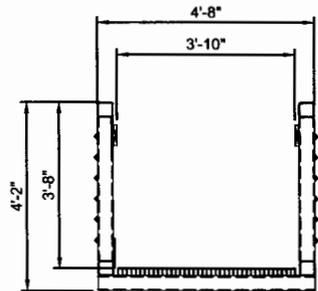
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1 PLAN
2.21 SCALE: 1/4"=1'-0"



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



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



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
P.O. Box 3753
Lake Charles, LA 70602
337.483.3526 (O)
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Applicant:

WALKWAY DETAILS



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SCALE: AS SHOWN

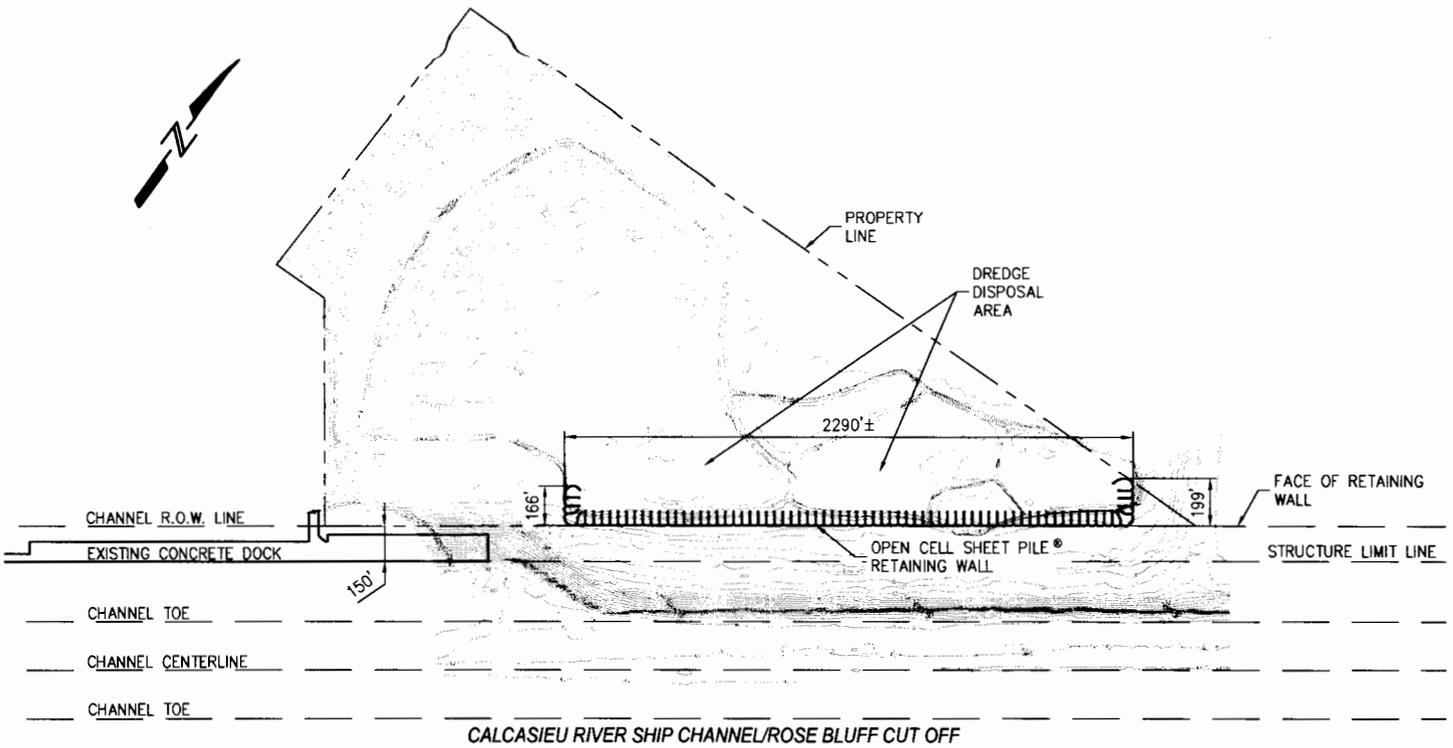
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DATE: DECEMBER 20, 2013 PARISH: CALCASIEU REV.#: 0
DATE: DATE: -

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SITE PLAN



APPLICANT: LAKE CHARLES HARBOR & TERMINAL DISTRICT

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

BULKHEAD LOCATION KEY PLAN

DATE: DECEMBER 20, 2013 PARISH: CALCASIEU REV.#: 0
 FILE: NAME.dwg DATE: -

Lake Charles Harbor & Terminal District
 Port of Lake Charles
 P.O. Box 3753
 Lake Charles, LA 70602
 337.493.3528 (O)
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 Seattle, Washington 98134
 Phone: 206-624-1387
 mail@pndengineers.com

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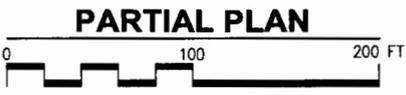
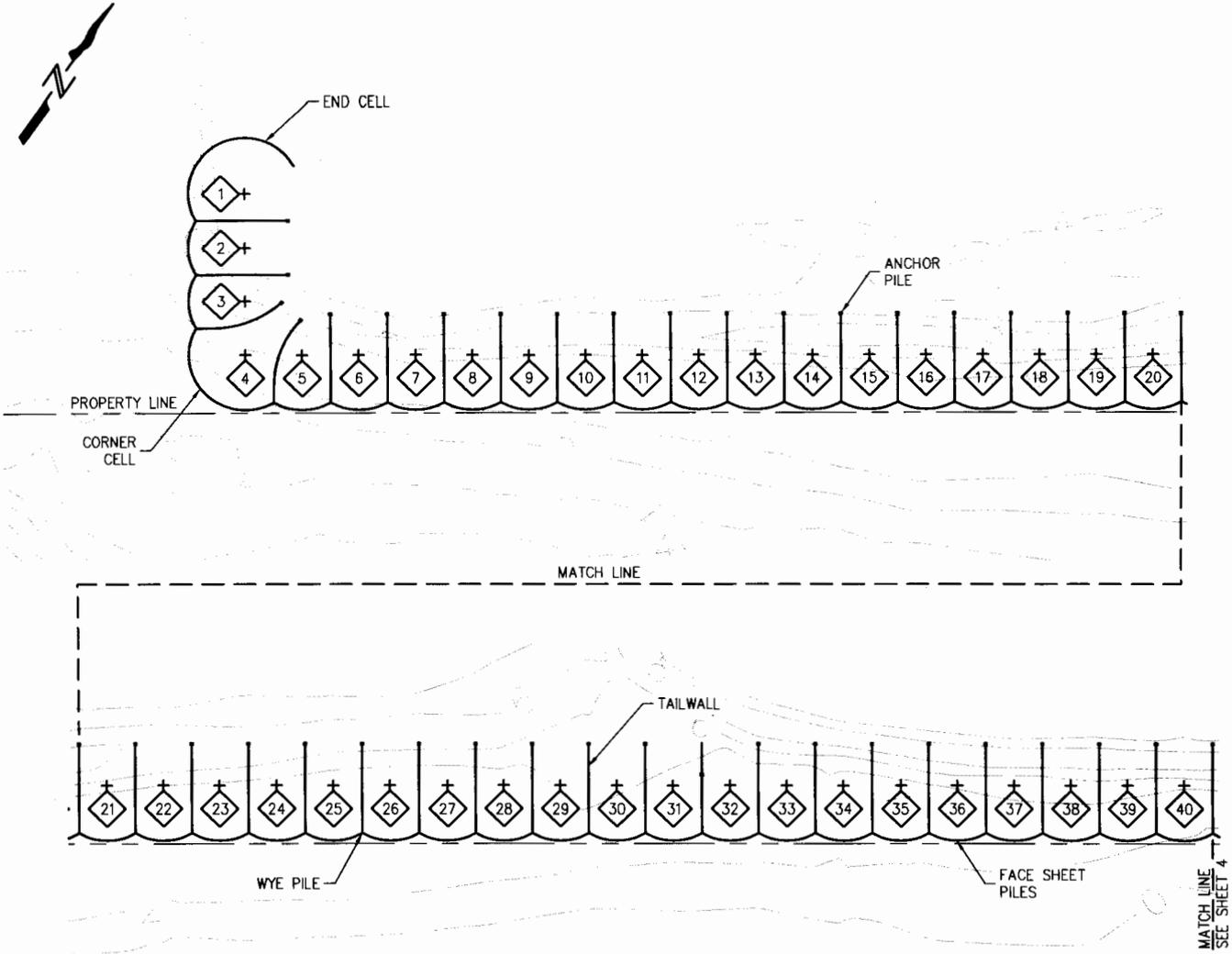
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Applicant:

SCALE: AS SHOWN

EXHIBIT: 03.1

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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.#: 0 DATE: --
 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)



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 Seattle, Washington 98134
 Phone: 206-624-1387
 email@pndengineers.com

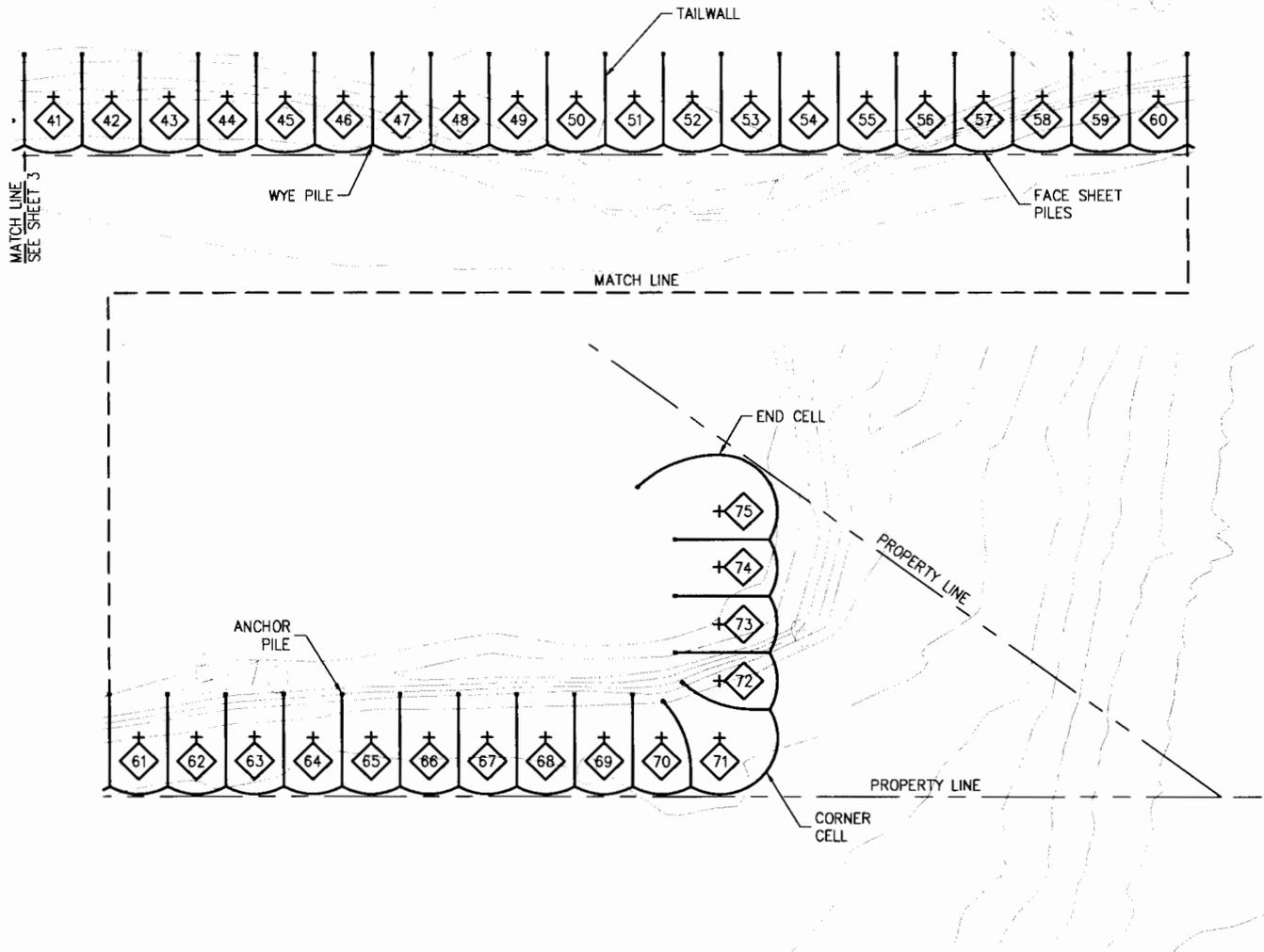
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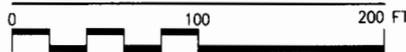
Applicant:

SCALE: AS SHOWN EXHIBIT: 03.2

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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.#: 0 | DATE: -

FILE: NAME.dwg

Lake Charles Harbor & Terminal District
 Port of Lake Charles
 P.O. Box 3753
 Lake Charles, LA 70602
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 337.483.3823 (F)



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 Seattle, Washington 98134
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 mail@pndengineers.com

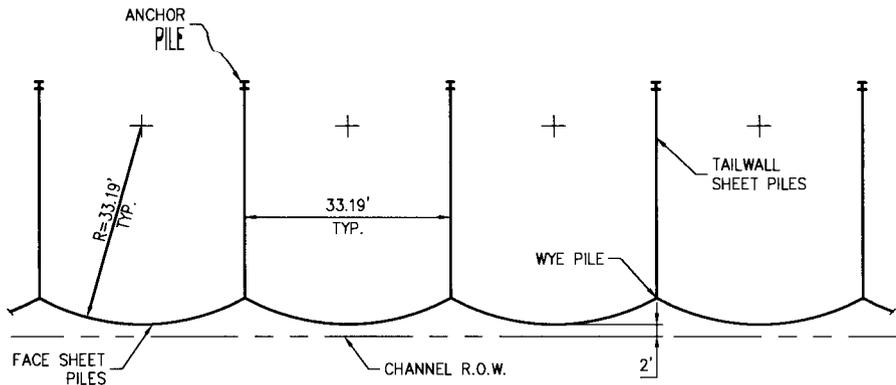
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Applicant:

SCALE: AS SHOWN | EXHIBIT: 03.3

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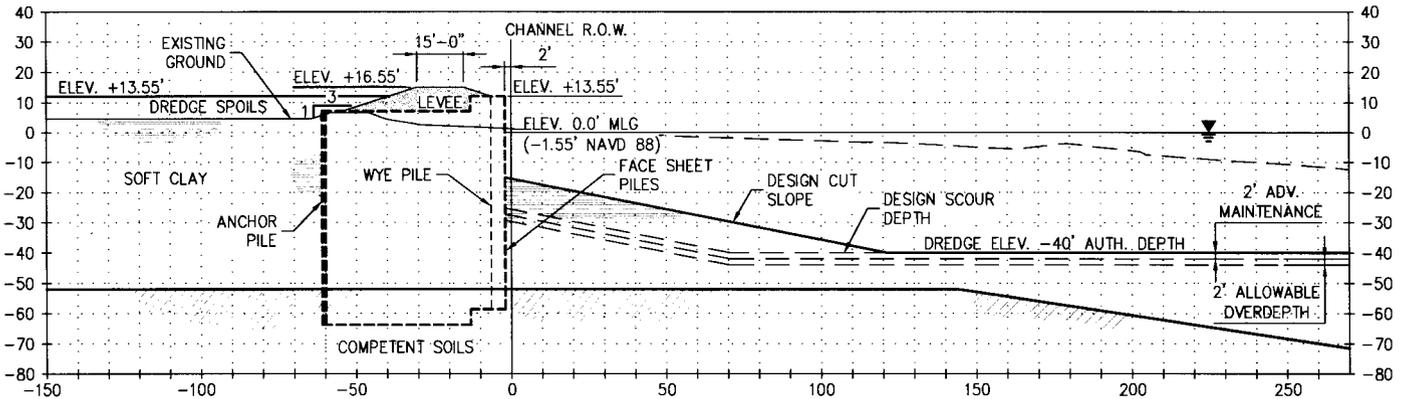
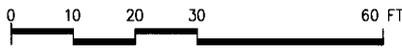


VERTICAL DATUM RELATIONSHIP
 1. CALCASIEU LOCK WEST TIDE GAGE
 2. LAKE CHARLES

NAVD 88 ——— 0.8' ①
 NAVD 88 ——— ②
 M.L.G. ——— 0.2' 1' ——— 0.3'
 M.L.C. ———

CONVERSION USED:
 EL. M.L.G. = EL. NAVD88 + 1.55 FT

PARTIAL PLAN



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.#: 0 | DATE: —

FILE: NAME.dwg

Lake Charles Harbor & Terminal District
 Port of Lake Charles
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Applicant:

SCALE: AS SHOWN | EXHIBIT: 03.4