



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

January 17, 2023

Regulatory Division
Western Evaluation Branch

Project Manager:
Brandon Gaspard
(504) 862-1280
Brandon.D.Gaspard@usace.army.mil

Application #: MVN-1997-00353-MG

PUBLIC NOTICE

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), and/or [**X**] Section 14 of the Rivers and Harbors Act of 1899 (33 U.S.C. Section 408).

LAKE CHARLES HARBOR AND TERMINAL DISTRICT BULK TERMINAL #1 TIME EXTENSION AND MODIFICATION IN CALCASIEU PARISH

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

LOCATION OF WORK: Located in Calcasieu Parish, at 3501 Bayou D'Inde Road, in Westlake, Louisiana, (lat. 30.193771, long. -93.296035), as shown within the attached drawings. (Hydrologic Unit Code 08080206, Calcasieu-Mermentau)

CHARACTER OF WORK: The existing permit authorizes impacts to approximately 30.8 acre of jurisdictional Waters of the United States through dredging activities. Included in the 30.8 acres of jurisdictional open water impacts are the construction of 2,785 feet of pile supported dock structure, shoreline stabilization by approximately 2,290 feet of patented open cell design bulkhead, and dredging of approximately 1,100,000 CY of material to -40 feet Mean Low Gulf (MLG), plus 2 feet of advance maintenance, plus 2 feet of allowable overdepth of the Calcasieu River and Pass Ship Channel in Calcasieu Parish.

The proposed time extension and permit modification includes additional dredge disposal facilities not considered for the previous authorization. The Lake Charles Harbor and Terminal District has partnered with Lake Charles Methanol, LLC to invest in infrastructure development in Lake Charles which includes expansion of Lake Charles Harbor and Terminal District's Bulk Terminal #1 facility. The facilities at Bulk Terminal #1 unload dry bulk commodities and load liquid products. Due to limited dock space at the existing facility, new docks are necessary to handle additional capacity requirements. If a Department of the Army permit is warranted, the applicant has proposed to mitigate unavoidable wetlands impacts at an approved and acceptable mitigation bank within the N.O. District.

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

Corps of Engineers Permit Criteria

The decision whether to issue a permit will be based on an evaluation of the probable impacts, including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which reasonably may be expected to accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership and, in general, the needs and welfare of the people.

This request will also be reviewed pursuant to Section 408 and USACE Engineering Circular (EC) 1165-2-220, which provides policy and procedural guidance for processing requests to alter USACE civil works projects. The decision whether to grant permission for the requested alteration will be based on several factors. The benefits that reasonably may be expected to accrue from the proposal will be balanced against its reasonably foreseeable detriments. Review of the requests for modification will be reviewed by a USACE technical review team considering the following factors:

- 1) Potential to Impair the Usefulness of the Project. Proposed alterations will be reviewed to determine whether the alteration would limit the ability of the USACE project to function as authorized, or would compromise or change any authorized project conditions, purposes, or outputs. If USACE determines that the usefulness of the authorized project would be impaired, the request will be denied.

2) Potential to be Injurious to the Public Interest. Proposed alterations will be reviewed to determine the probable impacts, including cumulative impacts, on the public interest. Factors that may be relevant to the public interest depend upon the type of USACE project being altered and may include, but are not limited to, such things as conservation, economic development, historic properties, cultural resources, environmental impacts, water supply, water quality, flood hazards, floodplains, residual risk, induced damages, navigation, shore erosion or accretion, and recreation. This evaluation will consider information received from the interested parties, including tribes, agencies, and the public. The decision whether to approve an alteration will be determined by the consideration of whether benefits are commensurate with risks. If the potential detriments are found to outweigh the potential benefits, then it may be determined that the proposed alteration is injurious to the public interest.

The Section 408 review will consider the potential impact to the usefulness of the Federal project and whether the proposed alteration would be injurious to the public interest. Policy and legal compliance will also be considered.

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

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. Based on the Information Planning and Consultation (IPaC) tool for Endangered Species in Louisiana, as signed on January 27, 2020, between the U.S. Army Corps of Engineers, New Orleans and the U.S. Fish and Wildlife Service, it has been determined that the project would have no effect to the Red-cockaded Woodpecker (*Picoides borealis*).

The New Orleans District has determined that the project footprint is located within the West Indian Manatee Consultation Zone (*Trichechus manatus*) and determined that the activity is not likely to adversely affect this species based on the

Information Planning and Consultation (IPaC) tool for Endangered Species in Louisiana, as signed on January 27, 2020, between the U.S. Army Corps of Engineers, New Orleans and U.S. Fish and Wildlife Service, Ecological Services Office. If this permit is issued, the applicant has agreed to the special conditions provided in the SLOPES manual.

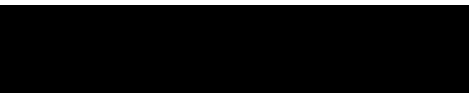
Our initial finding is that the proposed work would have no effect on any species listed as endangered by the U.S. Department of Commerce, nor affect any habitat designated as critical to the survival and recovery of any such species.

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, alteration, and/or disturbance 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 Louisiana Department of Environmental Quality before a Department of the Army permit could be issued.

Any person may request 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, and can be preferably emailed to the USACE project manager listed above or mailed to the address listed above.

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



Darrell S. Barbara
Chief, Western Evaluation Branch
Regulatory Division

Enclosures

LAKE CHARLES HARBOR & TERMINAL DISTRICT

PERMIT APPLICATION FOR:

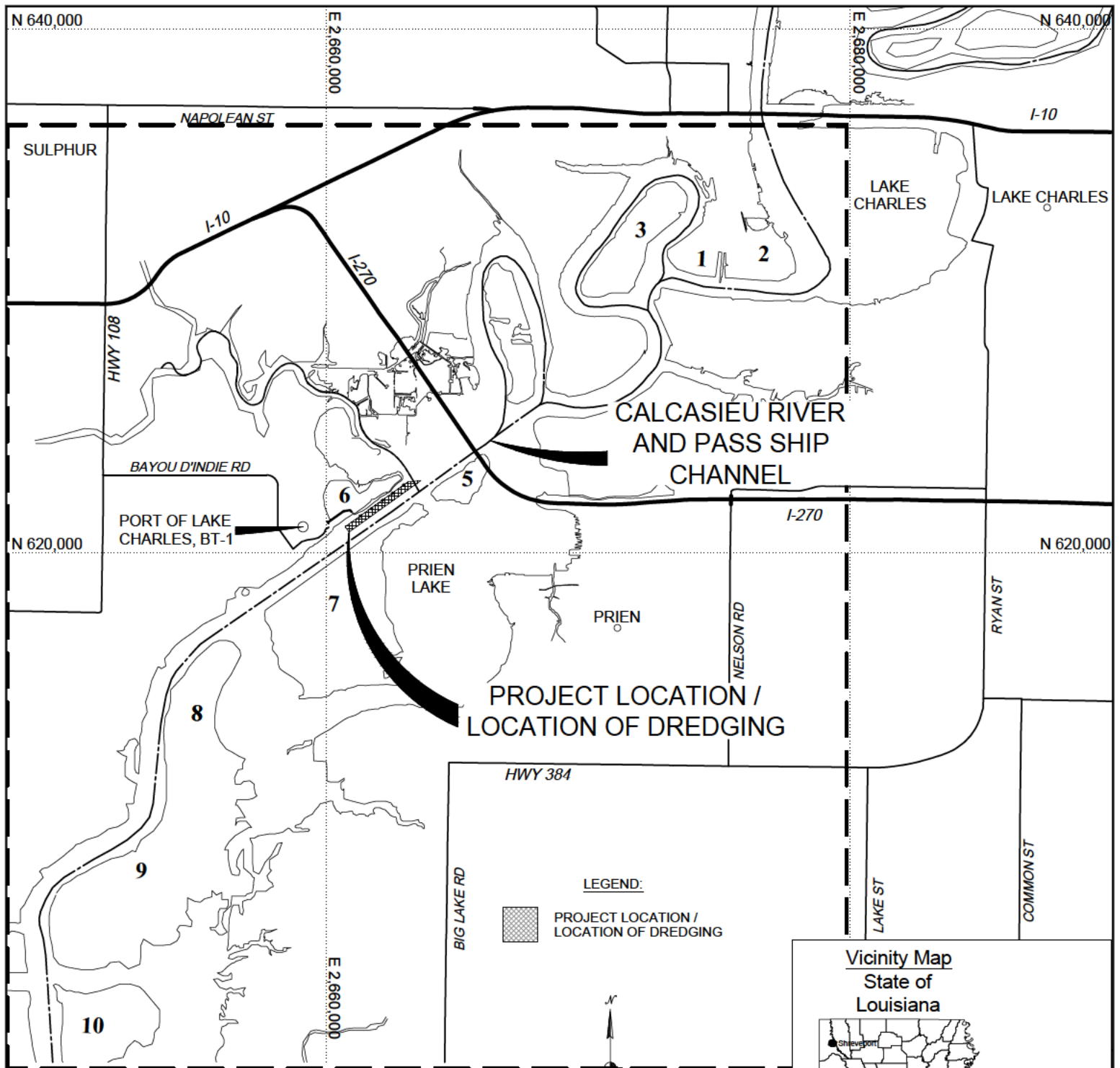
BULK TERMINAL NO. 1 EXPANSION PROJECT CALCASIEU PARISH, LOUISIANA

| 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 |

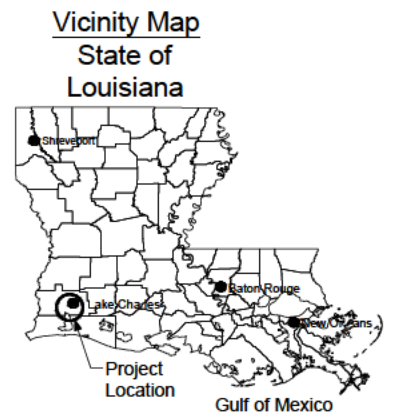
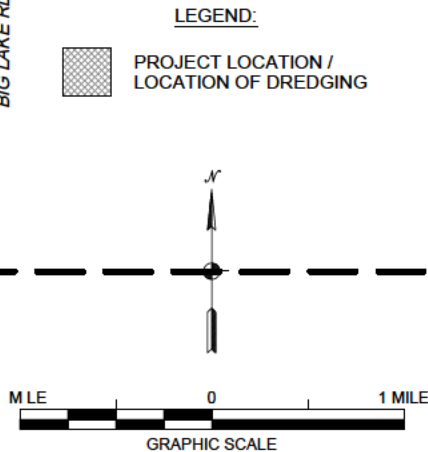
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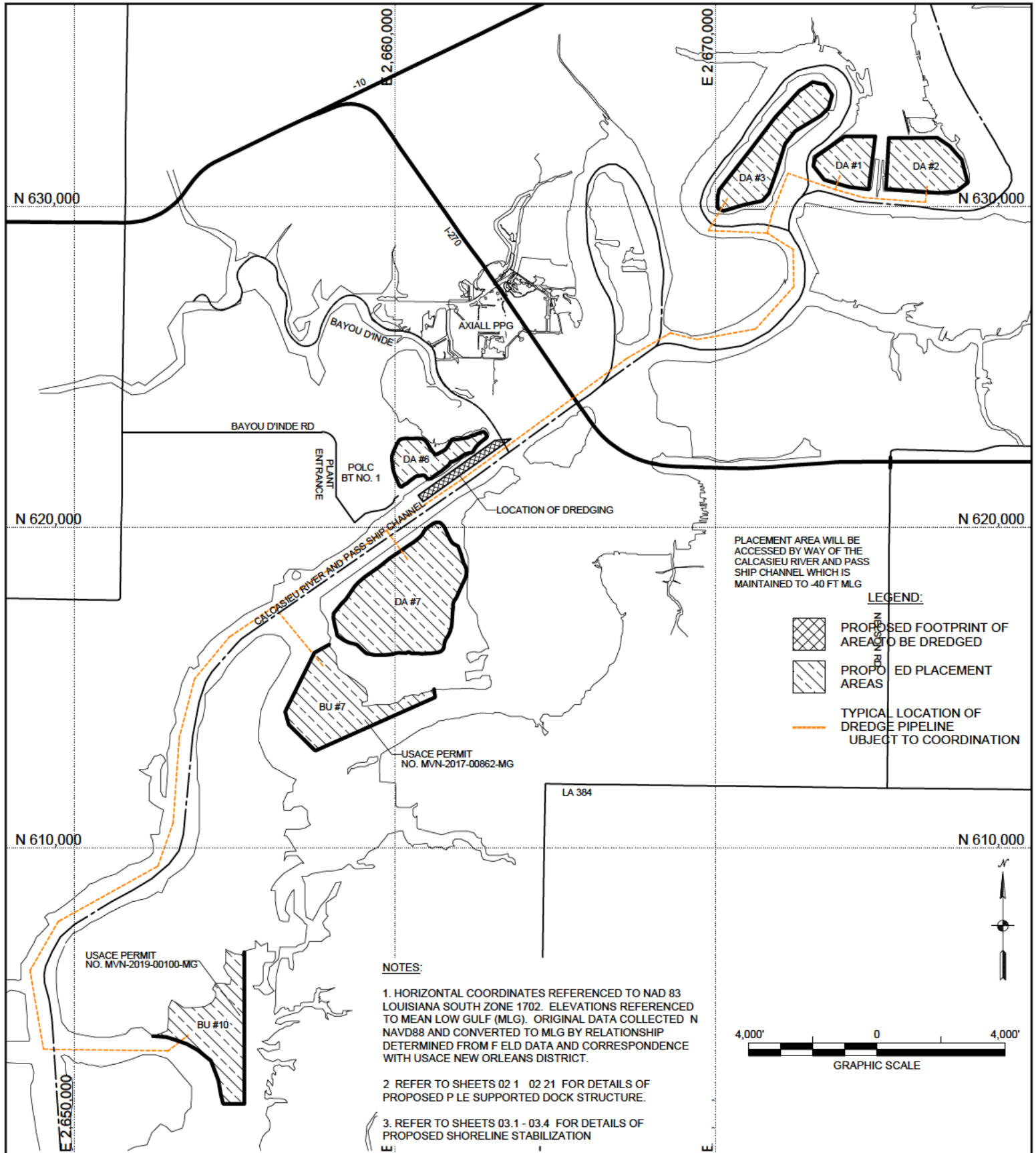
| | | | | | |
|---|-------------------|--|--|----------------------|---------------|
| APPLICANT LAKE CHARLES HARBOR & TERMINAL DISTRICT | | Lake Charles Harbor & Terminal District Port of Lake Charles P.O. Box 3753 Lake Charles, LA 70602 337.493.3526 337.493.3623 (F) | | FOR CMD/COE USE ONLY | |
| PROJECT: 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 www.gba-inc.com LA Reg. Engr. Firm No. EF.0003483  | | USACE Permit # | |
| INDEX OF SHEETS | | | | Applicant: | |
| DATE: DECEMBER 05, 2022 | PARISH: CALCASIEU | REV #: DATE: | | SCALE: NONE | EXHIBIT: 00.1 |
| FILE: POLC-DA6 Permit-20201205Amendment.dwg | | | | | |



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.



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|---|-------------------|----------|--|--|----------------------|---------------|
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| PROJECT VICINITY MAP | | | GBA ENGINEERS ★ SURVEYORS | | Applicant: | |
| DATE: DECEMBER 05, 2022 | PARISH: CALCASIEU | REV #: - | FILE: POLC-DA6 Permit-20201205Amendment.dwg | | SCALE: AS SHOWN | EXHIBIT: 00.2 |



APPLICANT LAKE CHARLES HARBOR & TERMINAL DISTRICT

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

DREDGING SITE PLAN

DATE: DECEMBER 05, 2022 PARISH: CALCASIEU REV #: -

FILE: POLC-DA6 Permit-20201205Amendment.dwg

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



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9330 Kirby Drive, Suite 100
Houston, TX 77054
832.377.4800
www.gba-inc.com
LA Reg. Engr. Firm
No. EF.0003483



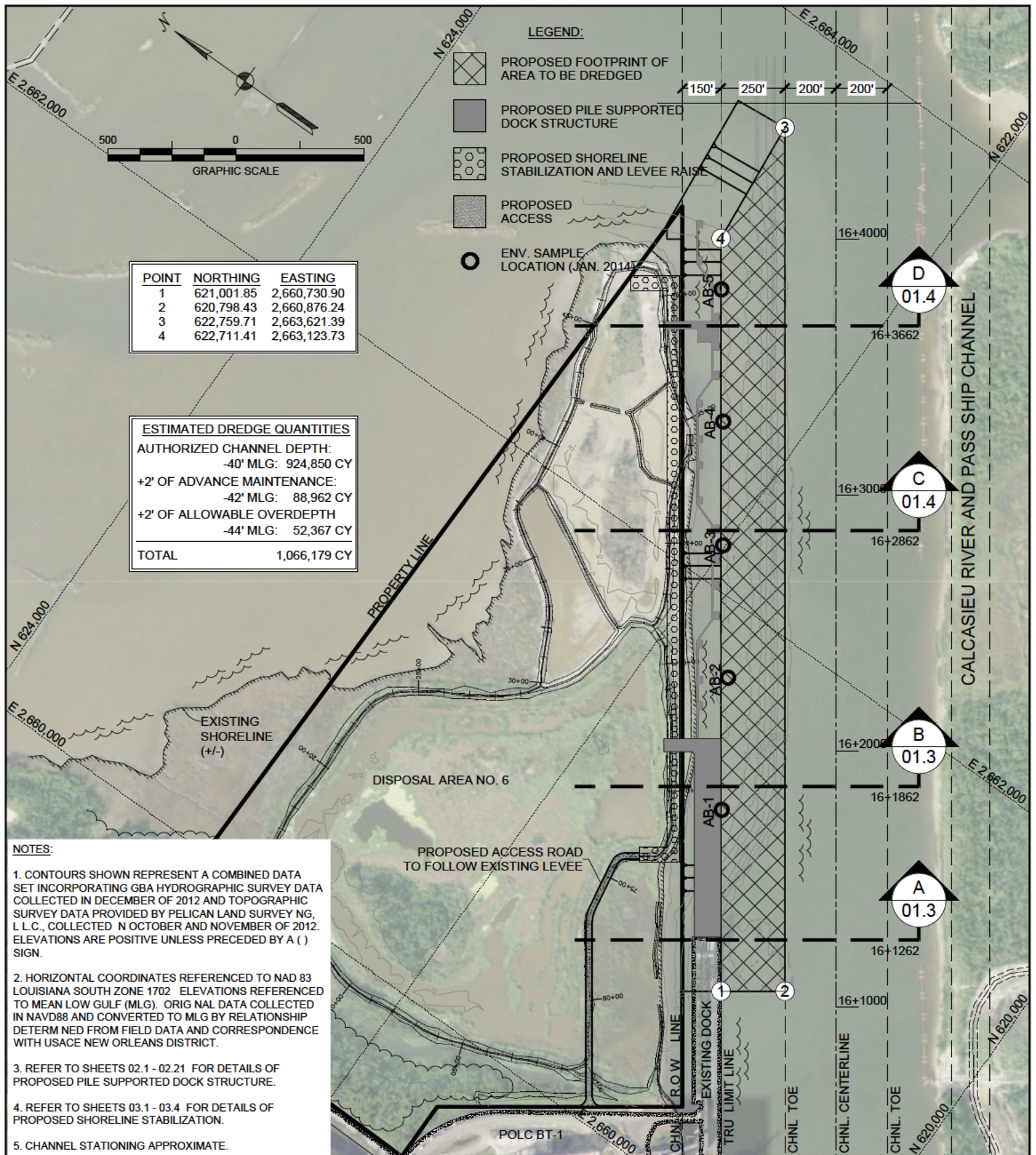
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USACE Permit #

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 05, 2022 PARISH: CALCASIEU REV #: -
FILE: POLC-DA6 Permit-20201205Amendment.dwg

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

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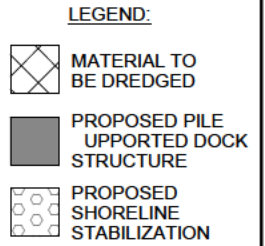
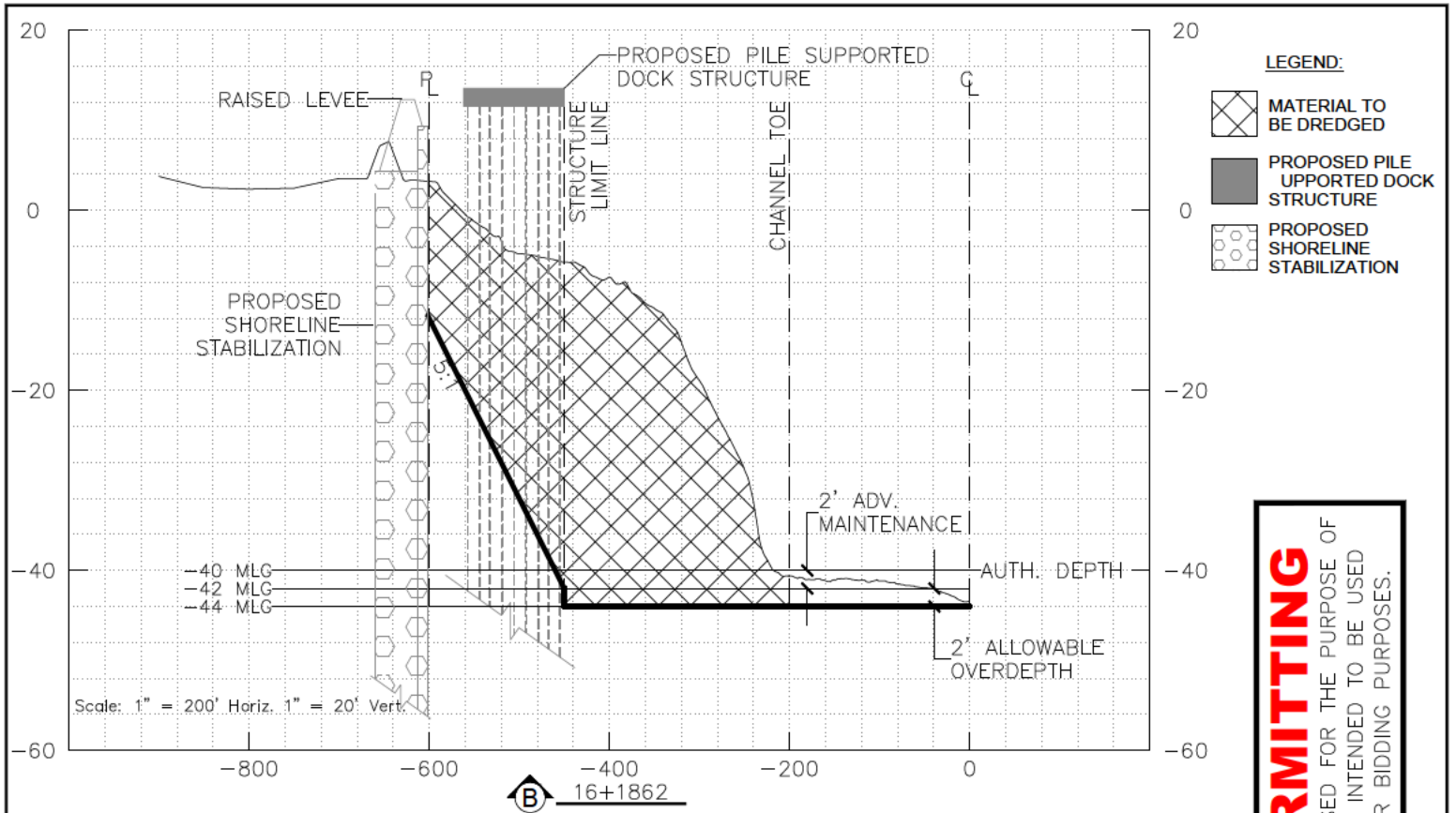
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USACE Permit #

Applicant:

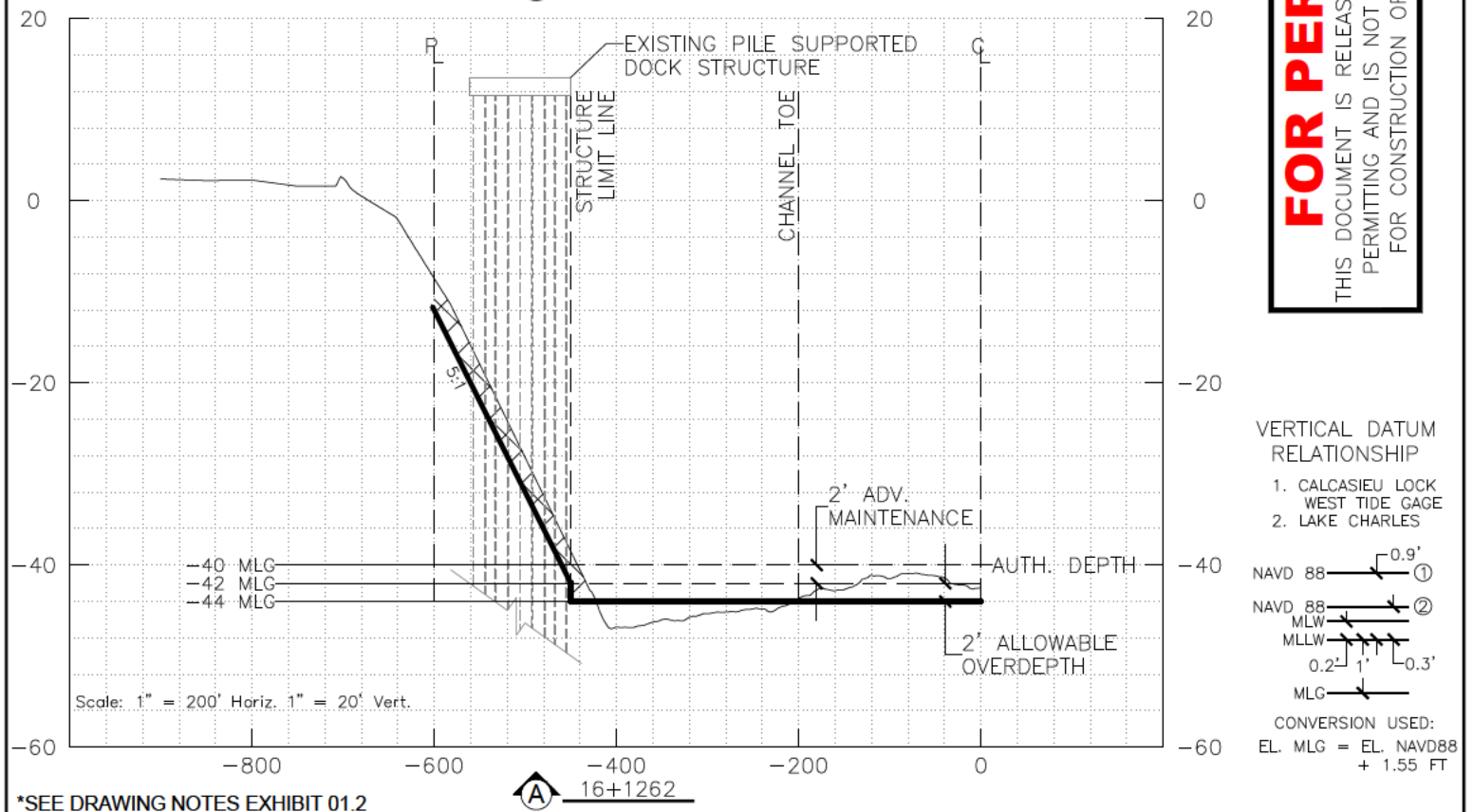
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EXHIBIT: 01.2



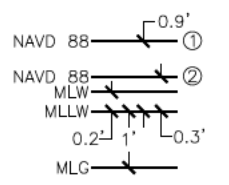
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VERTICAL DATUM RELATIONSHIP

1. CALCASIEU LOCK WEST TIDE GAGE
2. LAKE CHARLES



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 05, 2022 PARISH: CALCASIEU REV #: -

FILE: POLC-DA6 Permit-20201205Amendment.dwg

Lake Charles Harbor & Terminal District
Port of Lake Charles
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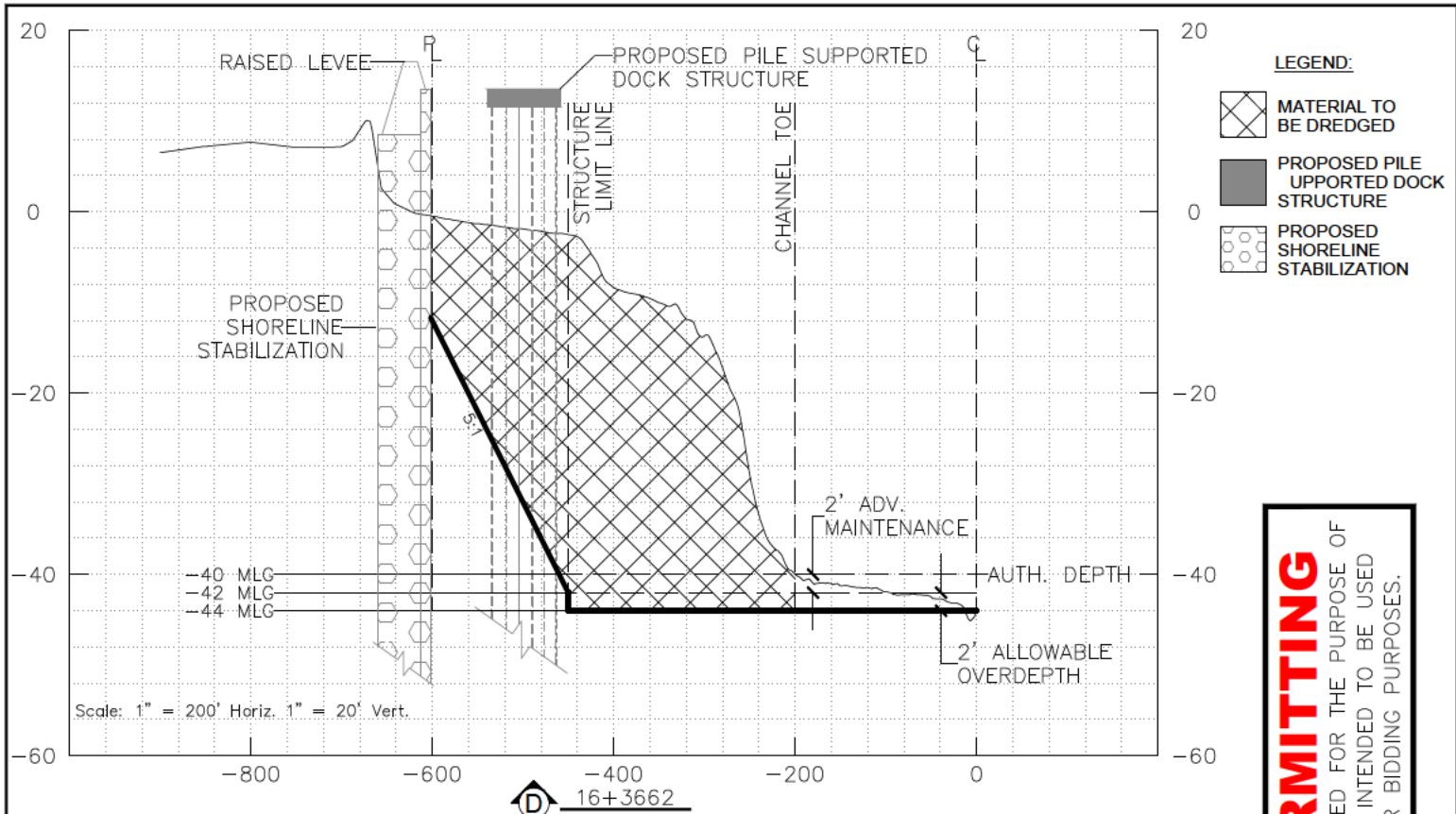
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USACE Permit #

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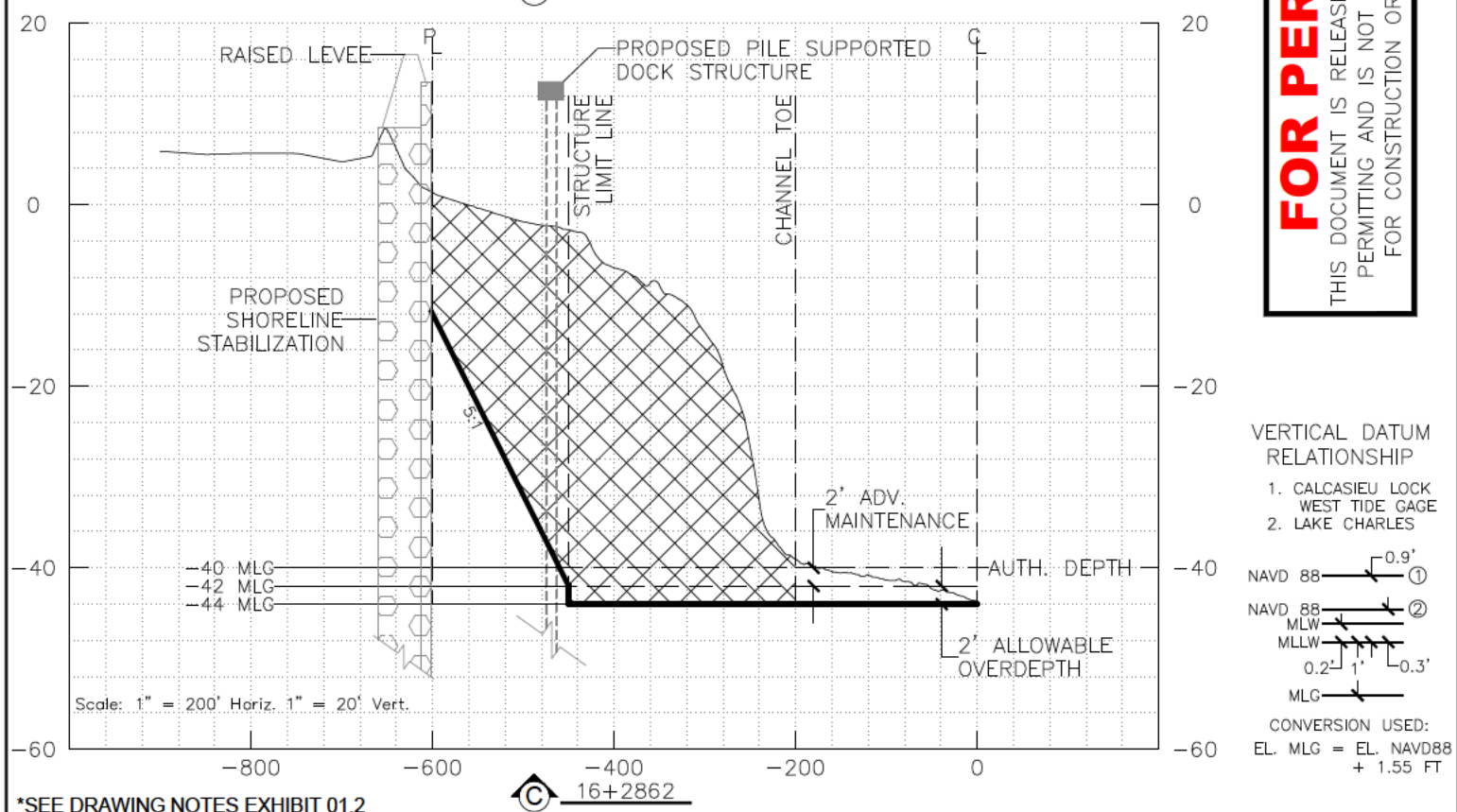
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EXHIBIT: 01.3



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*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 C & D

DATE: DECEMBER 05, 2022 PARISH: CALCASIEU REV #: DATE: -

FILE: POLC-DA6 Permit-20201205Amendment.dwg

Lake Charles Harbor & Terminal District
Port of Lake Charles
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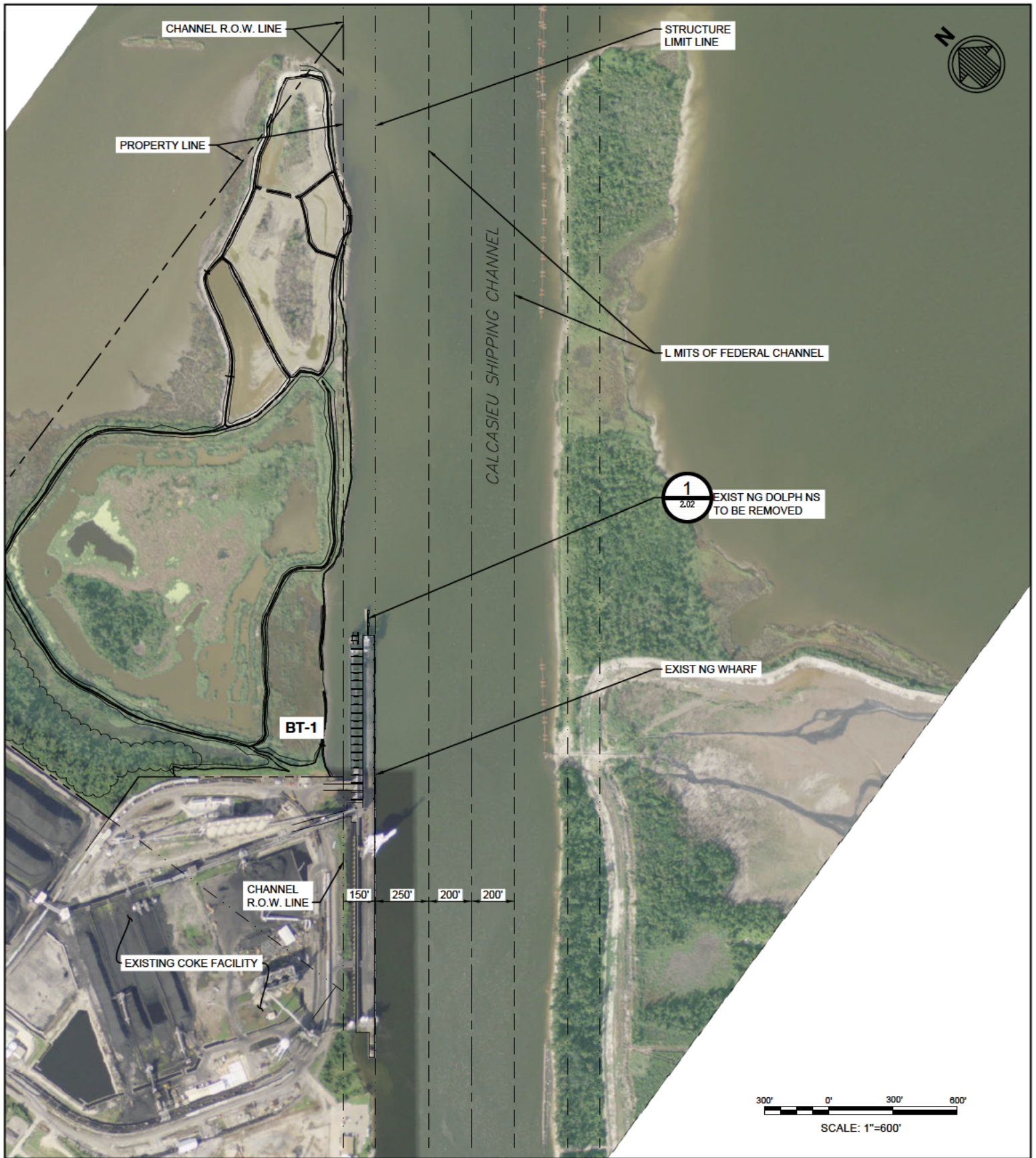
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USACE Permit #

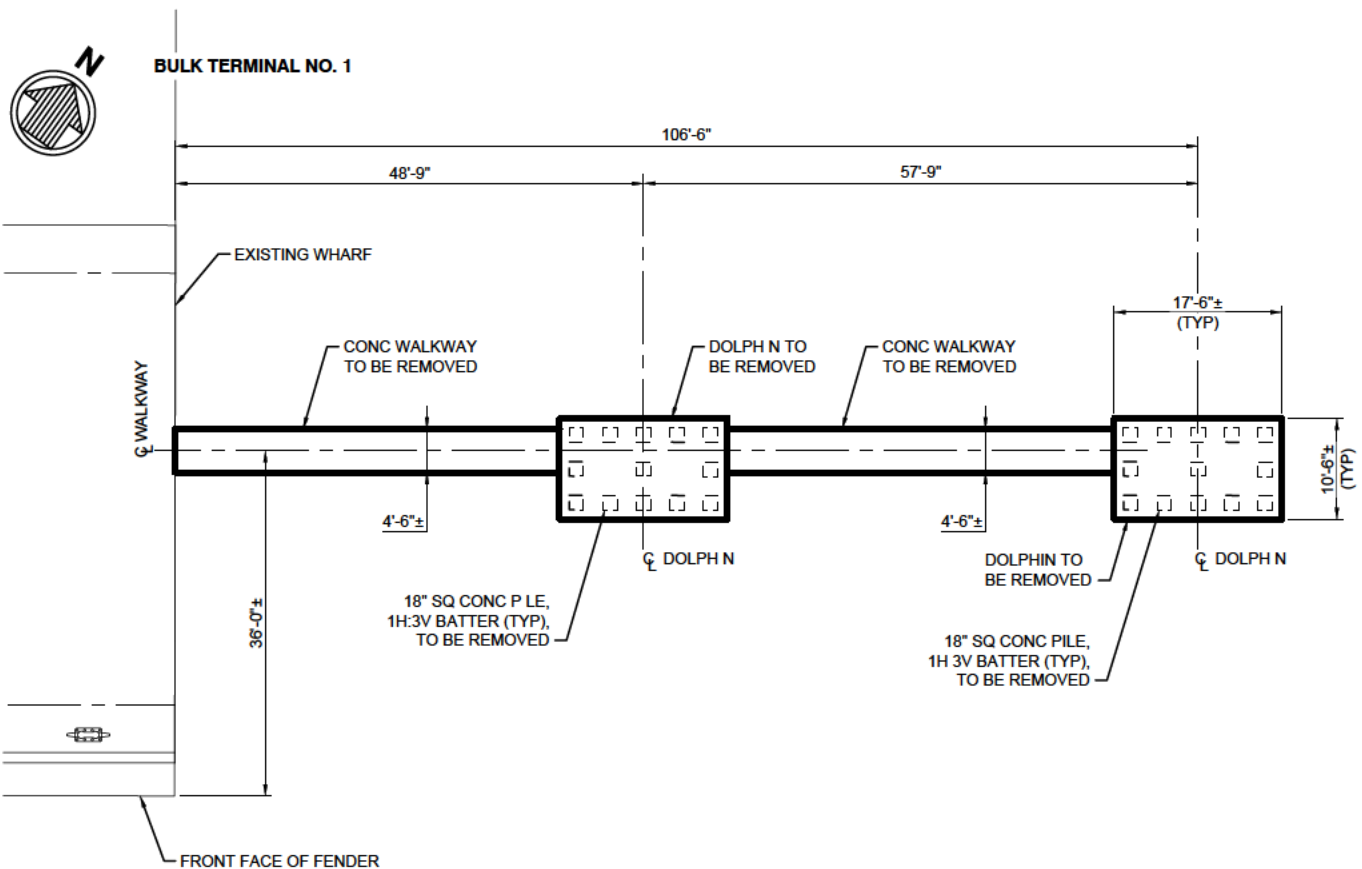
Applicant:

SCALE: AS SHOWN

EXHIBIT: 01.4



| | | | | | |
|--|-------------------|--|-----------------|-----------------------------|--|
| 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 # | |
| EXISTING SITE PLAN | | | | Applicant: | |
| DATE: DECEMBER 20, 2018 | PARISH: CALCASIEU | REV.#: 0 DATE: | SCALE: AS SHOWN | | |
| FILE: P:\8008-00\cadd\Active\Permit-AnsIA\800800-A_PERMIT2-01 | | | EXHIBIT: 2.01 | | |



10' 0'-0" 10' 20'
SCALE: 1"=20'

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

DOLPHIN DEMOLITION PLAN

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

FILE:P:\8008-00\cadd\Active\Permit-AnsIA\800800-A_PERMIT2-02

Lake Charles Harbor & Terminal District
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P.O. Box 3753
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moffatt & nichol

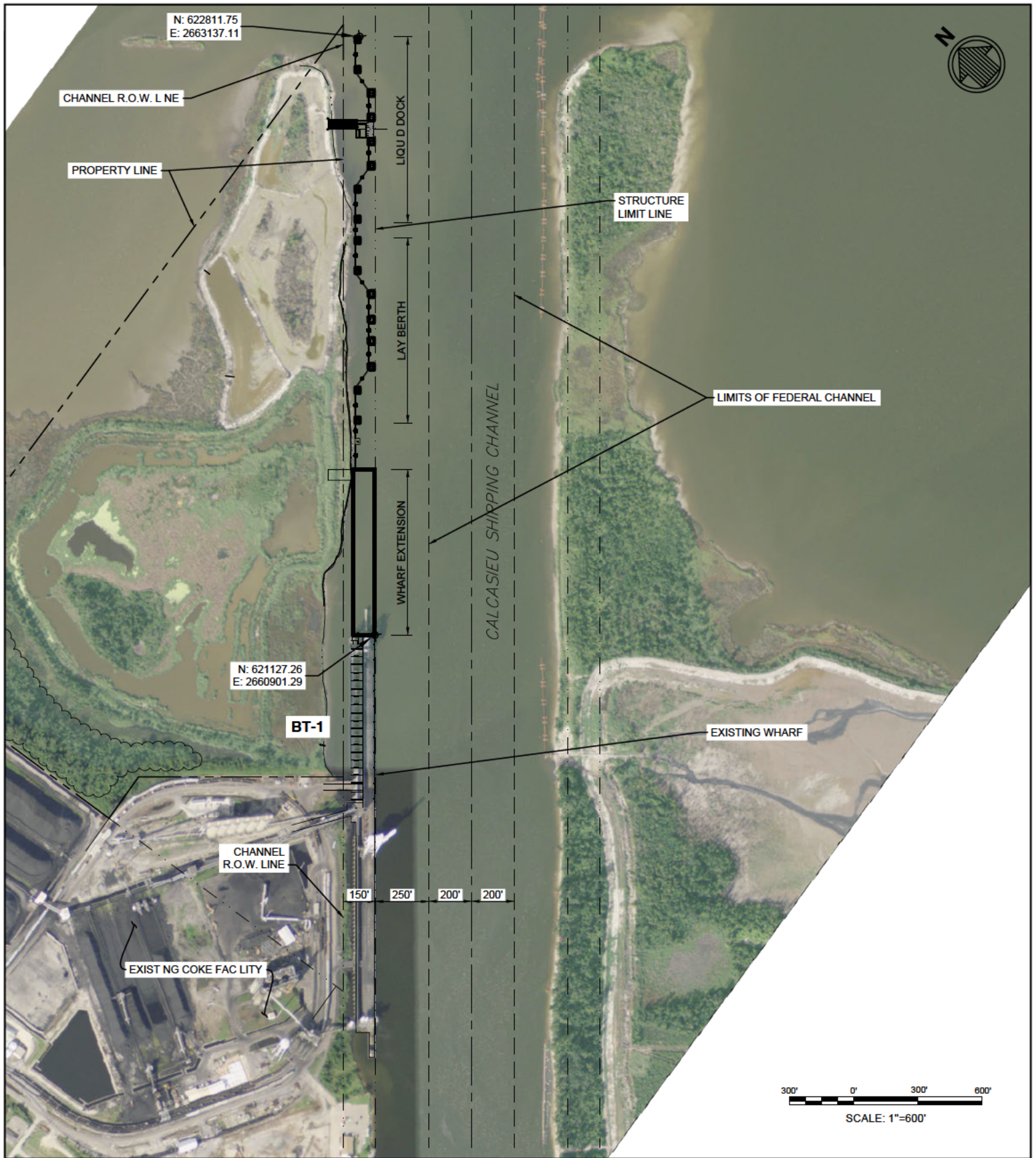
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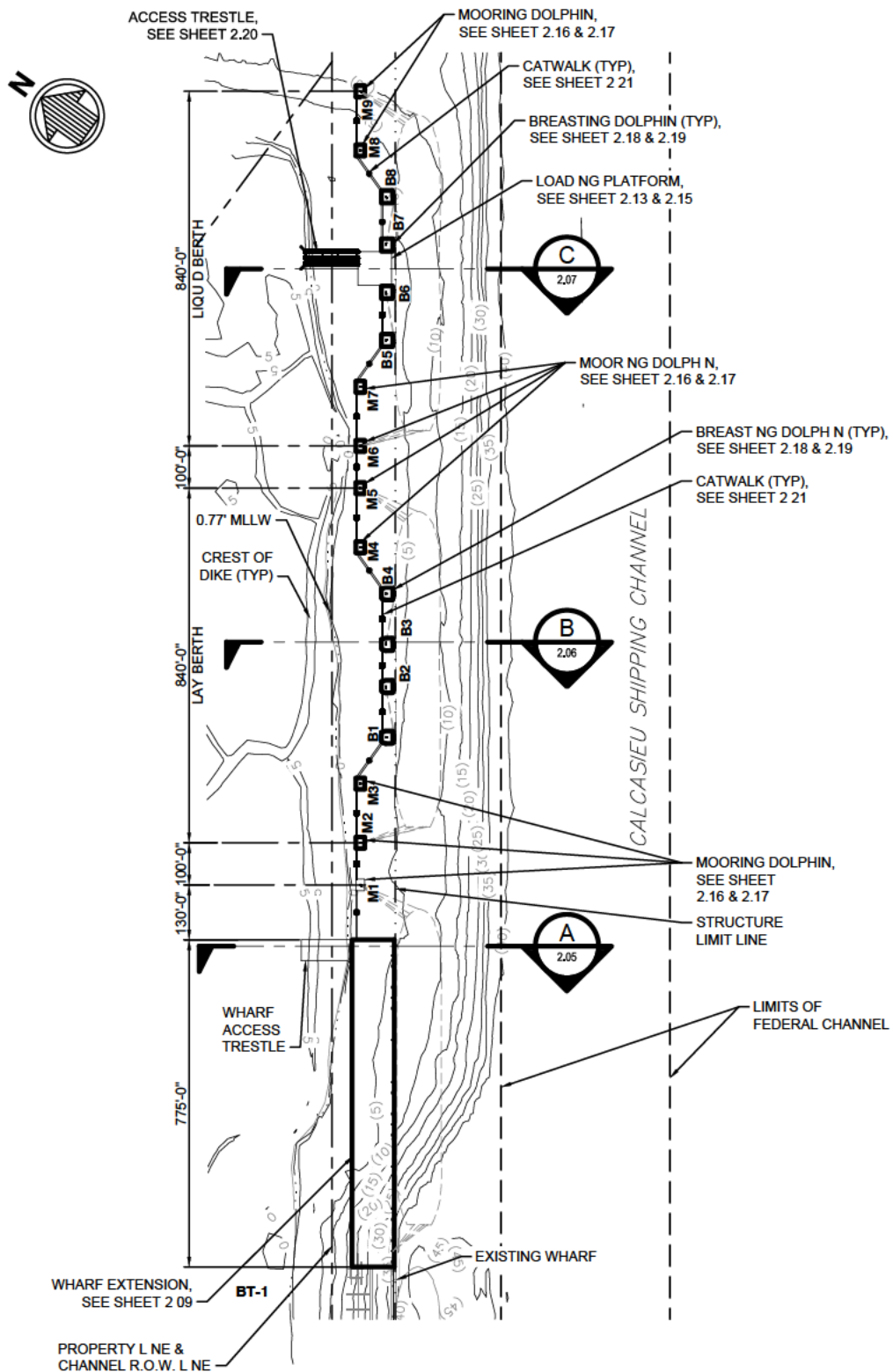
Applicant:

SCALE: AS SHOWN

EXHIBIT: 2.02



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|---|-------------------|---------------------|--|--|----------------------|---------------|
| APPLICANT: LAKE CHARLES HARBOR & TERMINAL DISTRICT | | | <div>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)</div> <div> PORT OF LAKE CHARLES <small>LAKE CHARLES HARBOR & TERMINAL DISTRICT</small></div> | | FOR CMD/COE USE ONLY | |
| PROJECT: PERMIT APPLICATION FOR THE BULK TERMINAL NO. 1 EXPANSION PROJECT WESTLAKE, LOUISIANA | | | | | USACE Permit # | |
| PROPOSED SITE PLAN | | | <div></div> <div>moffatt & nichol</div> | | Applicant: | |
| DATE: DECEMBER 20, 2018 | PARISH: CALCASIEU | REV.#: 0 DATE: — | | | SCALE: AS SHOWN | EXHIBIT: 2.03 |
| FILE: P:\8008-00\cadd\Active\Permit-AnsIA\800800-A_PERMIT2-03 | | | | | | |



APPLICANT: LAKE CHARLES HARBOR & TERMINAL DISTRICT

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

GENERAL ARRANGEMENT PLAN

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

FILE: P:\8008-00\cadd\Active\Permit-AnsIA\800800-A_PERMIT2-04

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

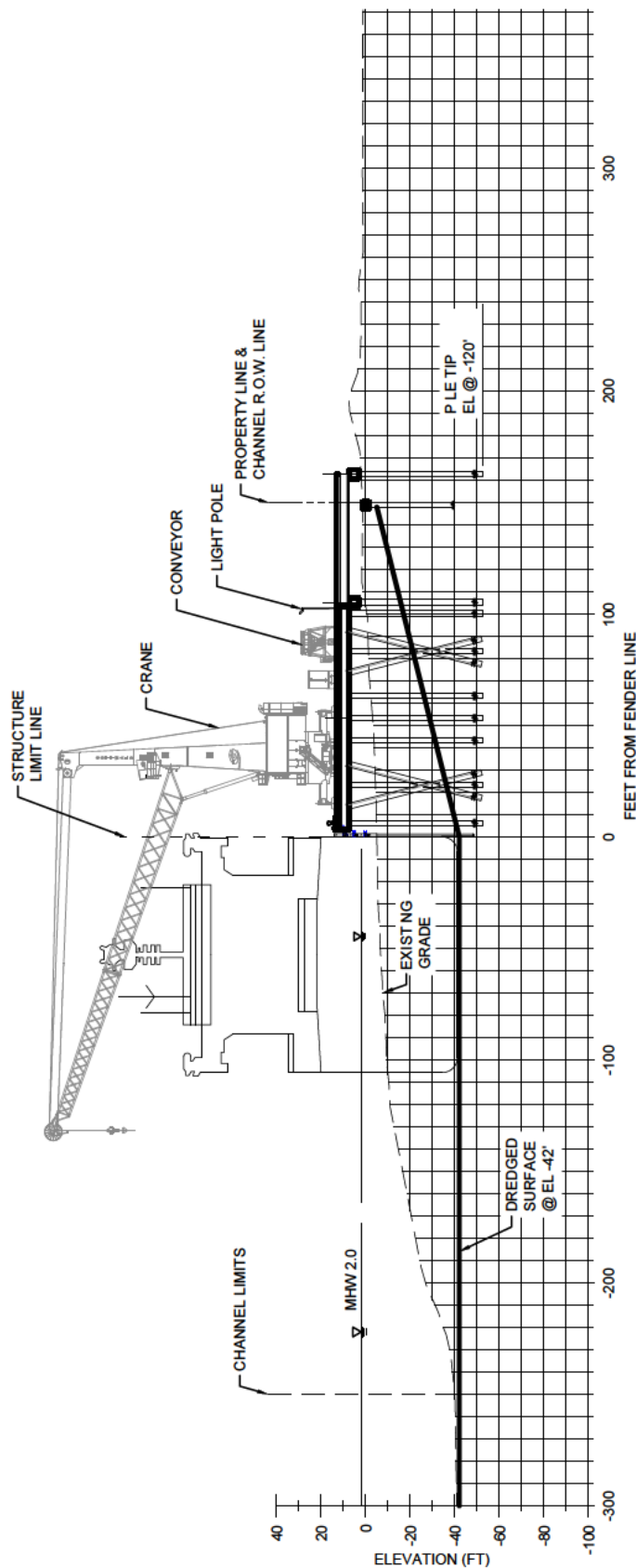
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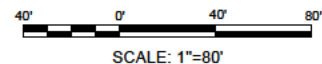
Applicant:

SCALE: AS SHOWN

EXHIBIT: 2.04



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

FILE: P:\8008-00\cadd\Active\Permit-AnsA\800800-A_PERMIT2-05

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Port of Lake Charles
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moffatt & nichol

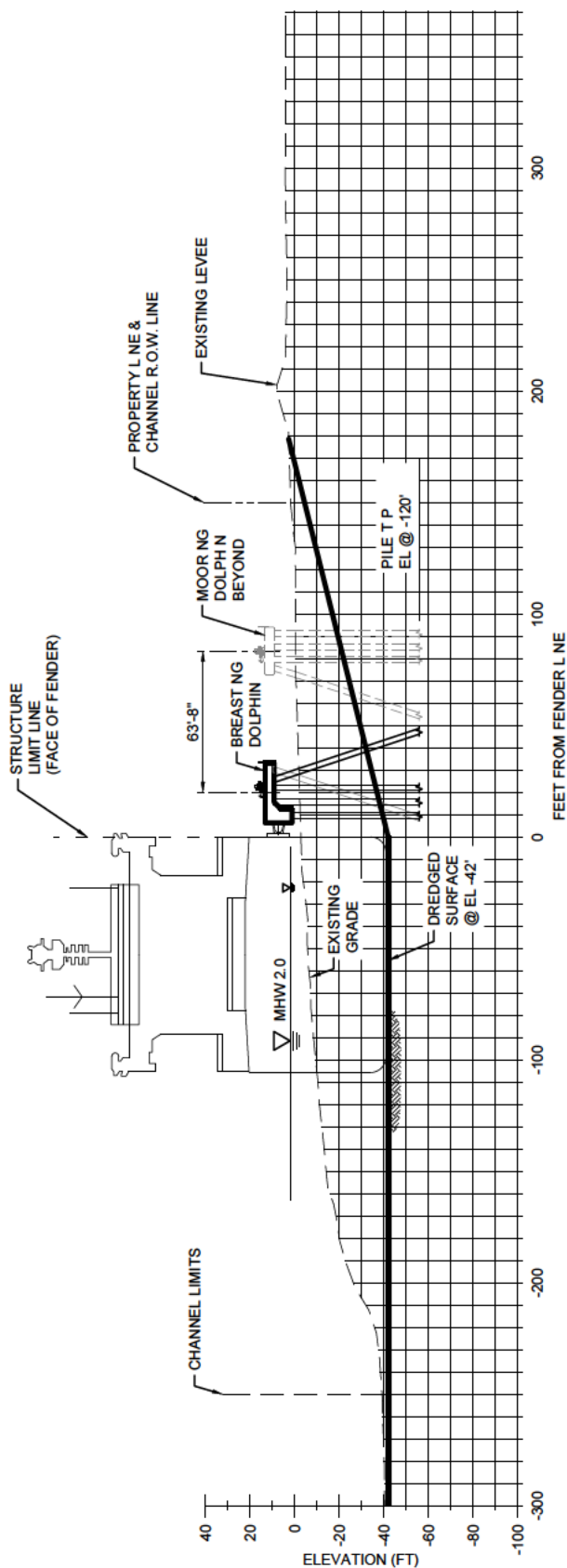
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USACE Permit #

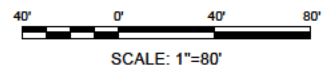
Applicant:

SCALE: AS SHOWN

EXHIBIT: 2.05



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: _

FILE:P:\8008-00\cadd\Active\Permit-AnsIA\800800-A_PERMIT2-06

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)



moftatt & nichol

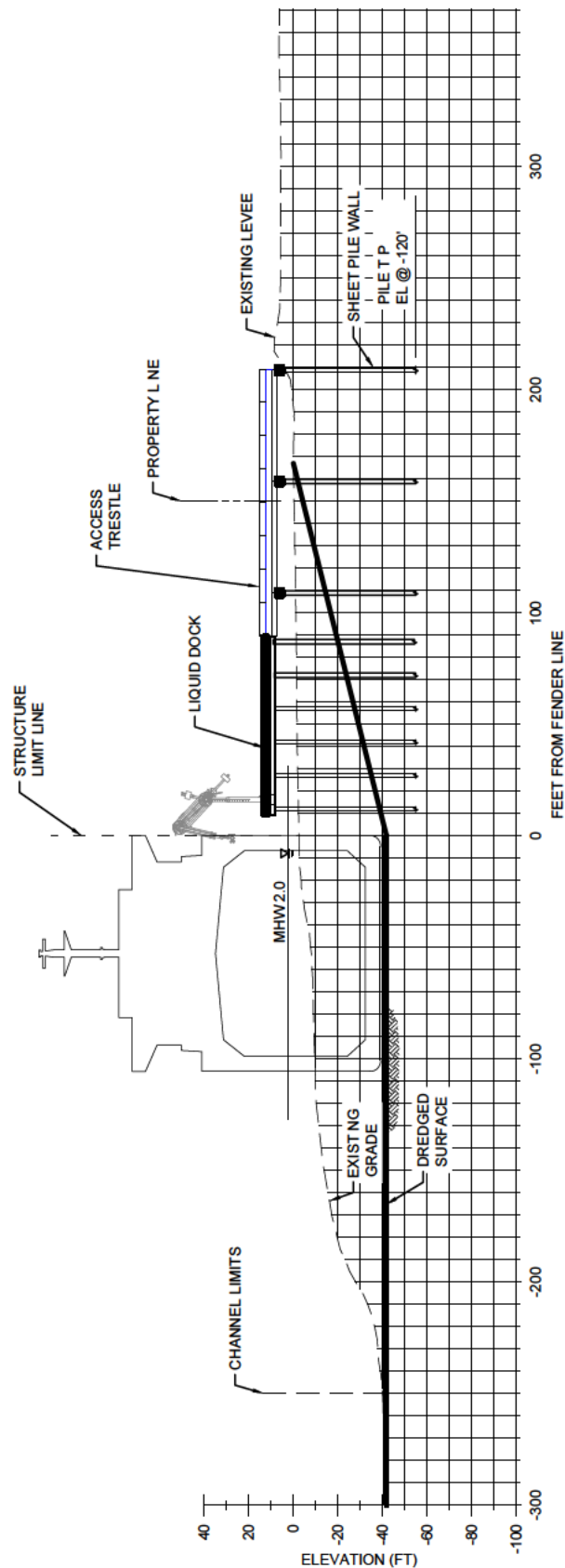
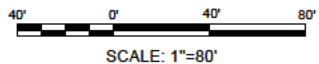
FOR CMD/COE USE ONLY

USACE Permit #

Applicant:

SCALE: AS SHOWN

EXHIBIT: 2.06



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

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)



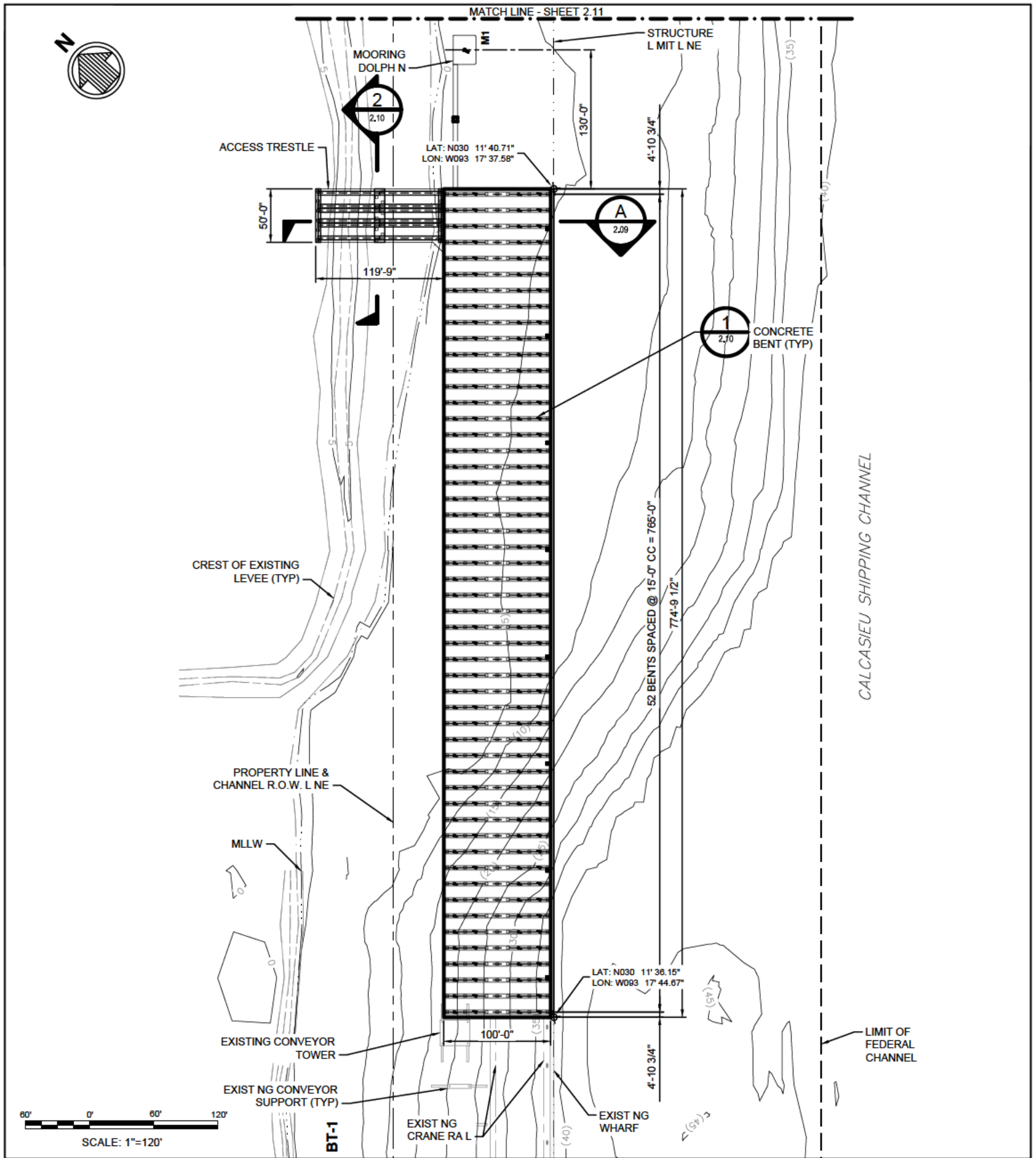
FOR CMD/COE USE ONLY



USACE Permit #

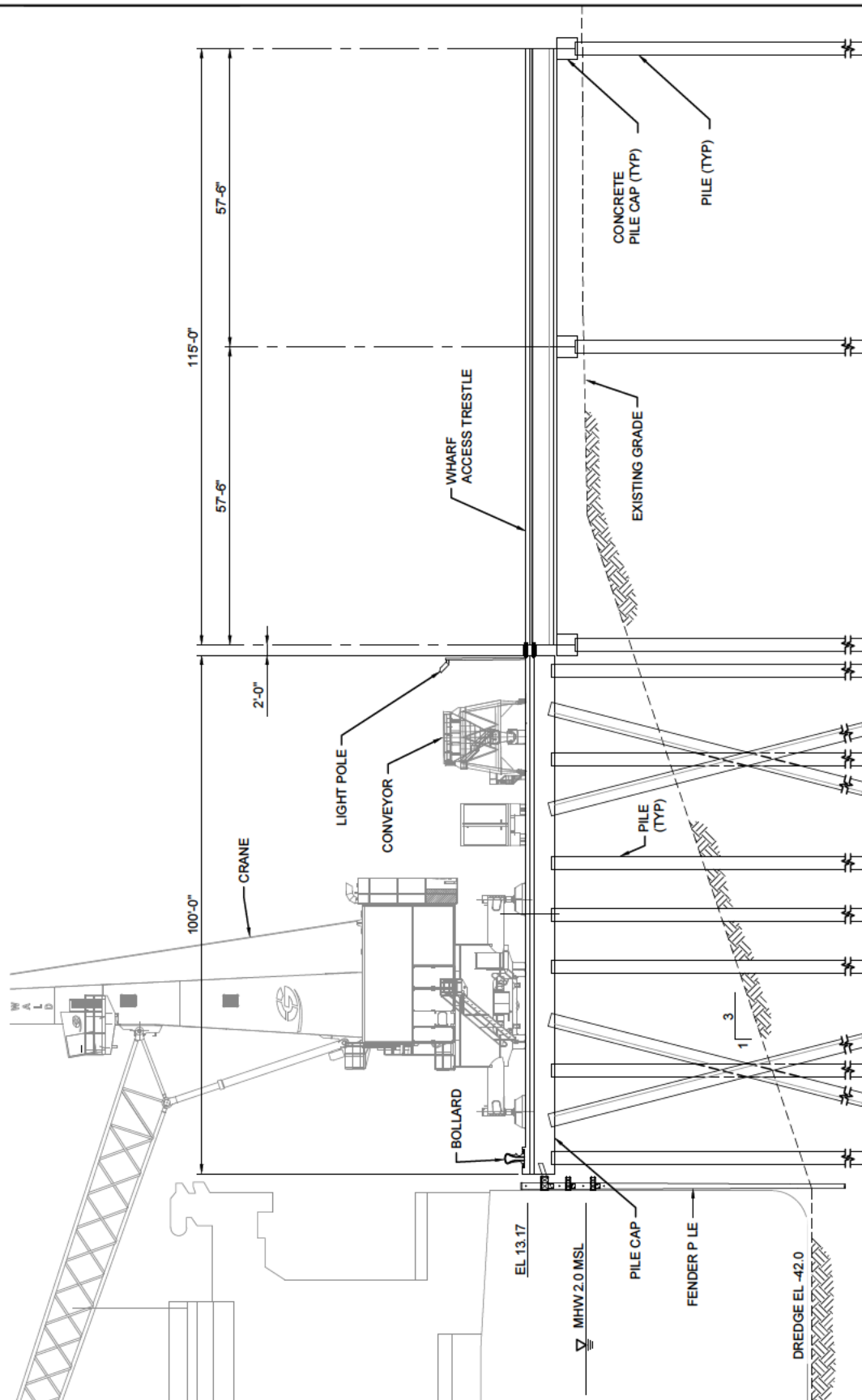
Applicant:

SCALE: AS SHOWN

EXHIBIT: 2.07





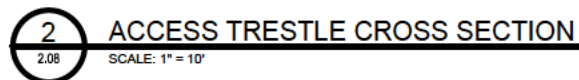
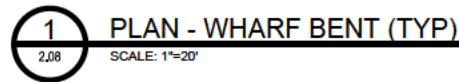
| | | | | | |
|---|-------------------|--|-----------------|----------------------|--|
| APPLICANT: LAKE CHARLES HARBOR & TERMINAL DISTRICT | | Lake Charles Harbor & Terminal District Port of Lake Charles P.O. Box 3753 Lake Charles, LA 70602 337.493.3526 (O) 337.493.3623 (F) | | FOR CMD/COE USE ONLY | |
| PROJECT: PERMIT APPLICATION FOR THE BULK TERMINAL NO. 1 EXPANSION PROJECT WESTLAKE, LOUISIANA | |  | | USACE Permit # | |
| WHARF EXTENSION PLAN | |  | | Applicant: | |
| DATE: DECEMBER 20, 2013 | PARISH: CALCASIEU | REV.#: 0 DATE: | SCALE: AS SHOWN | | |
| FILE: P:\8008-00\cadd\Active\Permit-AnsIA\800800-A_PERMIT2-08 | | | EXHIBIT: 2.08 | | |




A TYPICAL SECTION
SCALE: 1"=30'

15' 0' 15' 30'
SCALE: 1"=30'

| | | | | | | | |
|---|-------------------|----------|---------|--|--|----------------------|---------------|
| APPLICANT: LAKE CHARLES HARBOR & TERMINAL DISTRICT | | | | <div>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)</div> <div>PORT OF LAKE CHARLES <small>LAKE CHARLES HARBOR & TERMINAL DISTRICT</small></div> | | FOR CMD/COE USE ONLY | |
| PROJECT: PERMIT APPLICATION FOR THE BULK TERMINAL NO. 1 EXPANSION PROJECT WESTLAKE, LOUISIANA | | | | | | USACE Permit # | |
| WHARF EXTENSION SECTION | | | | <div> moffatt & nichol</div> | | Applicant: | |
| DATE: DECEMBER 20, 2013 | PARISH: CALCASIEU | REV.#: 0 | DATE: - | | | SCALE: AS SHOWN | EXHIBIT: 2.09 |
| FILE P: \8008-00\cadd\Active\Permit-AnsIA\800800-A PERMIT2-09 | | | | | | | |



| | | | | | |
|---|-------------------|----------|-----------------|----------------------|--|
| APPLICANT: LAKE CHARLES HARBOR & TERMINAL DISTRICT | | | | FOR CMD/COE USE ONLY | |
| PROJECT: PERMIT APPLICATION FOR THE BULK TERMINAL NO. 1 EXPANSION PROJECT WESTLAKE, LOUISIANA | | | | USACE Permit # | |
| WHARF EXTENSION BENT DETAIL | | | | Applicant: | |
| DATE: DECEMBER 20, 2013 | PARISH: CALCASIEU | REV.#: 0 | | | |
| FILE-P: \8008-00\cadd\ Active\ Permit-Ans\800800-A PERMIT2-10 | | DATE: - | | | |
|  moffatt & nichol | | | SCALE: AS SHOWN | EXHIBIT: 2.10 | |

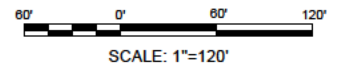
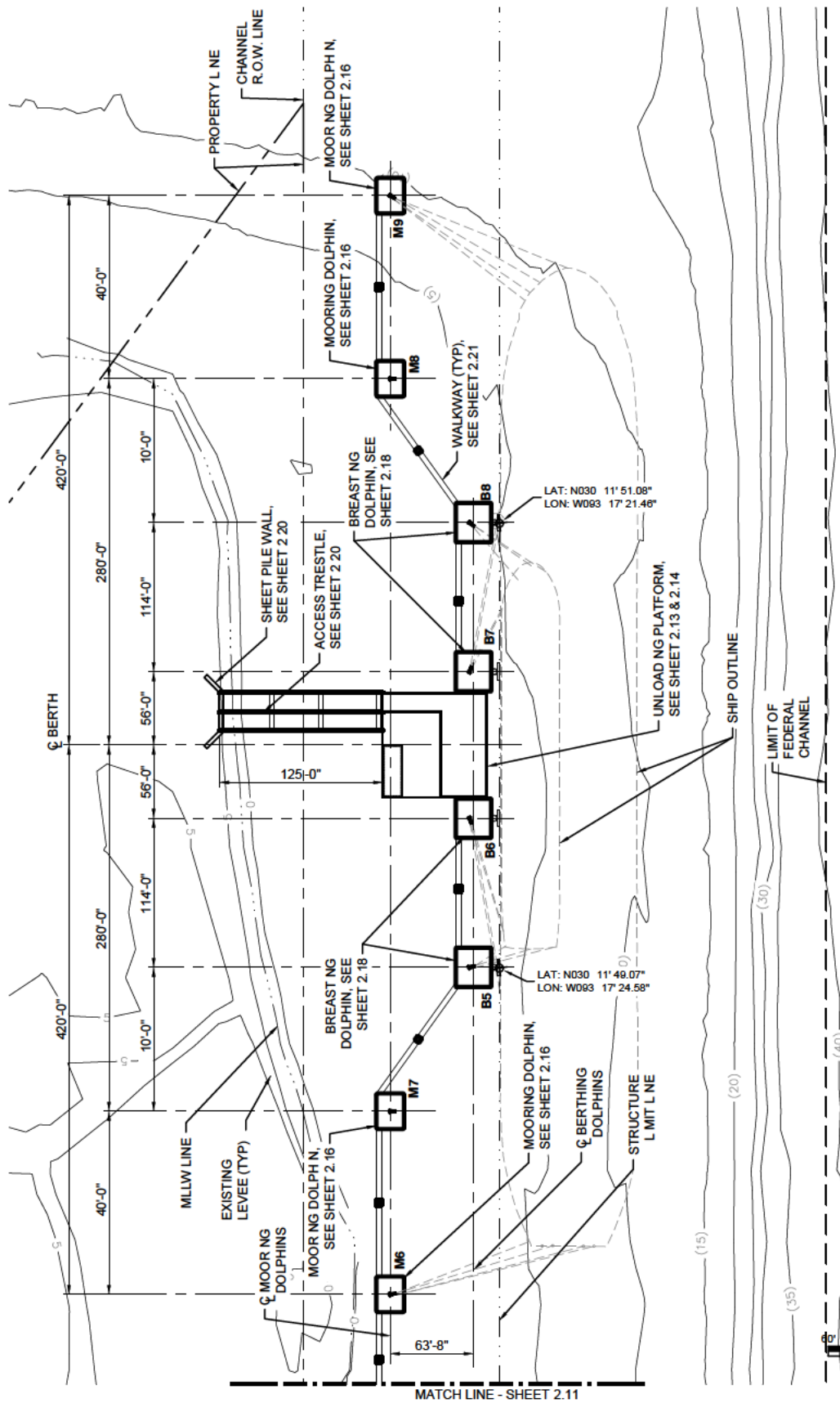


EXHIBIT: 2.11



APPLICANT: LAKE CHARLES HARBOR & TERMINAL DISTRICT

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

LIQUID DOCK PLAN

DATE: DECEMBER 20, 2013 PARISH: CALCASIEU REV.#: 0
DATE: FILE: P:\8008-00\cadd\Active\Permit-AnsIA\800800-A_PERMIT2-12

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

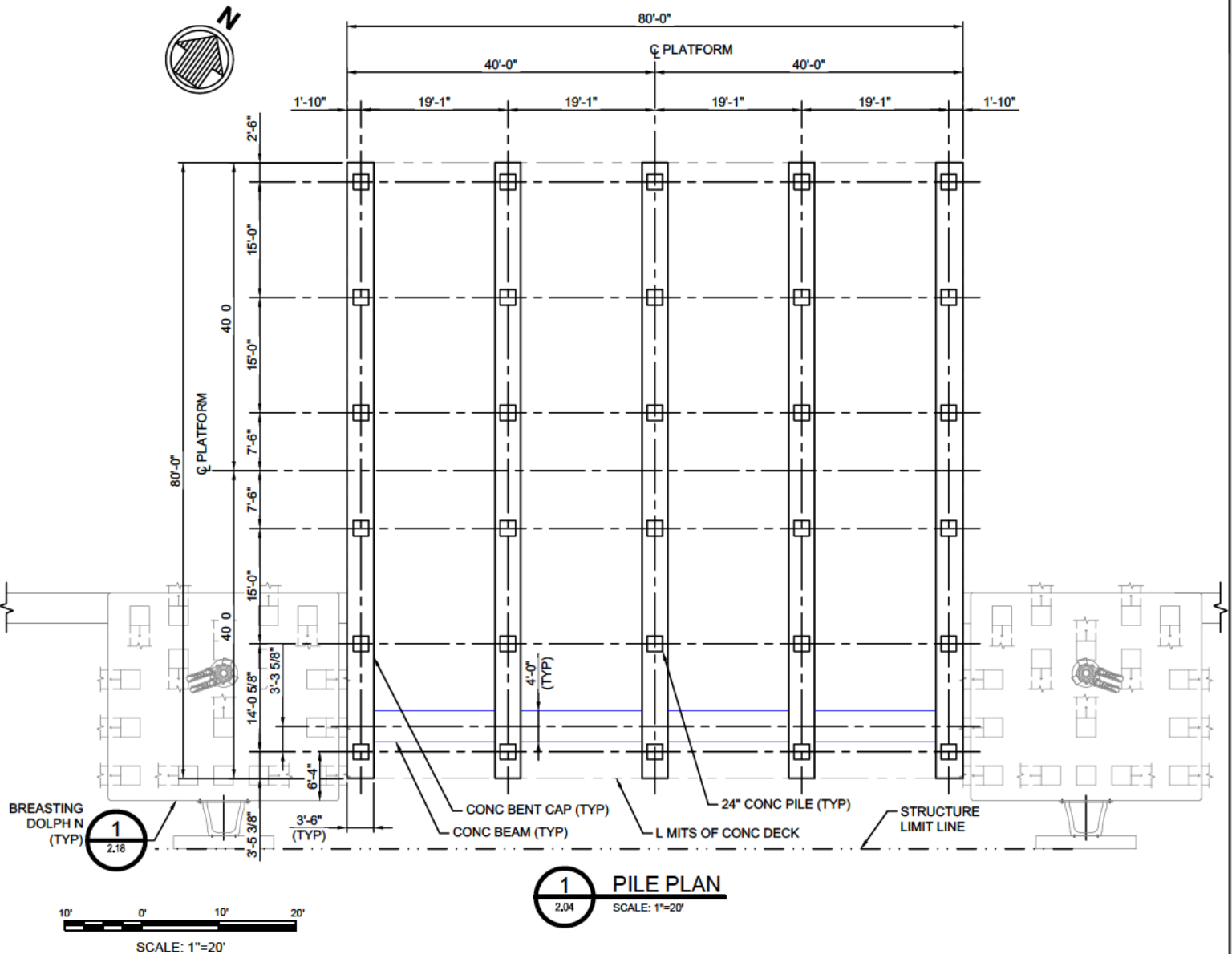
FOR CMD/COE USE ONLY

USACE Permit #

Applicant:

SCALE: AS SHOWN

EXHIBIT: 2.12



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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Port of Lake Charles
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Lake Charles, LA 70602
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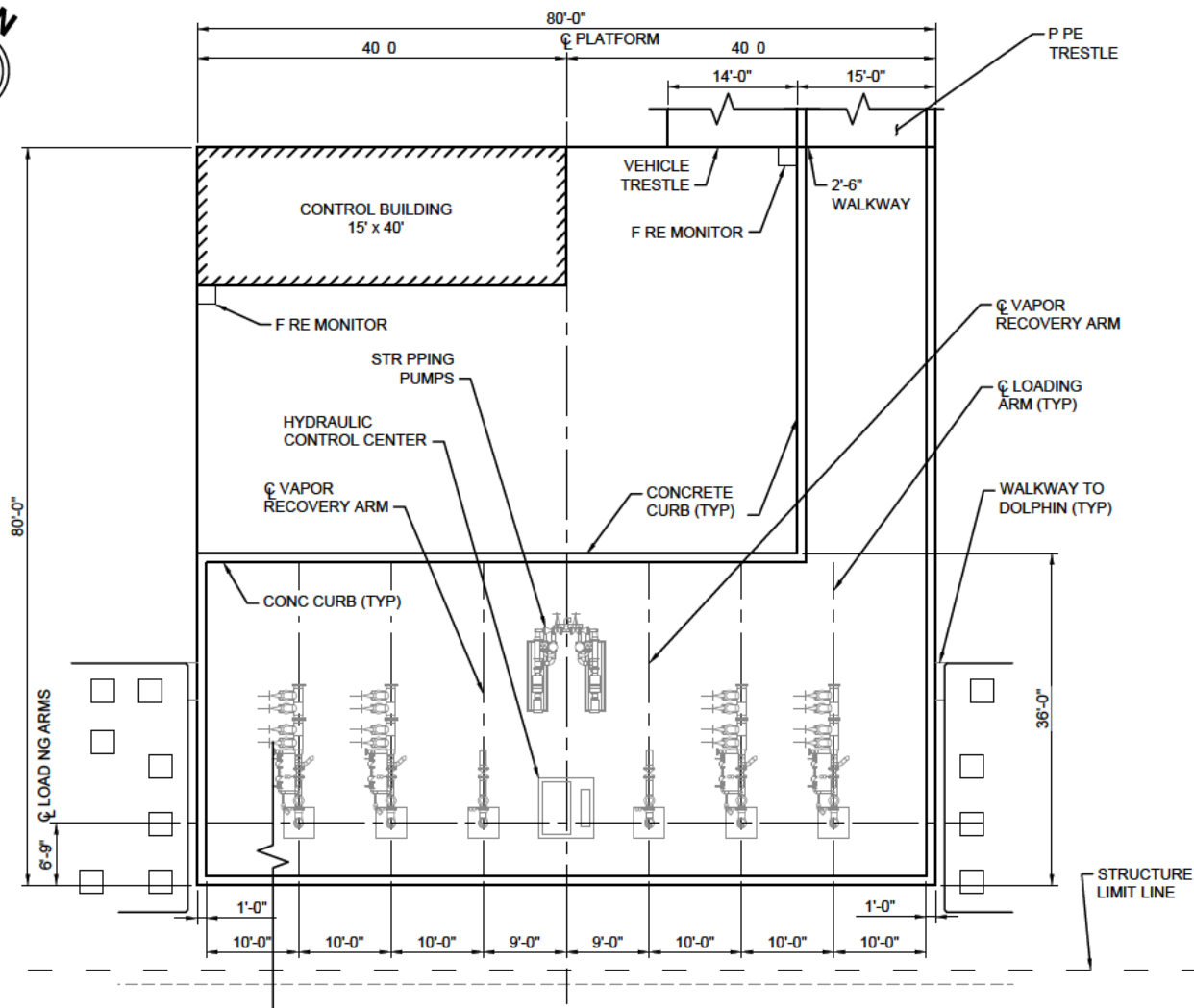
FOR CMD/COE USE ONLY

USACE Permit #

Applicant:

SCALE: AS SHOWN

EXHIBIT: 2.13



2 DECK PLAN
2.04 SCALE: 1"=20'

10' 0' 10' 20'
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

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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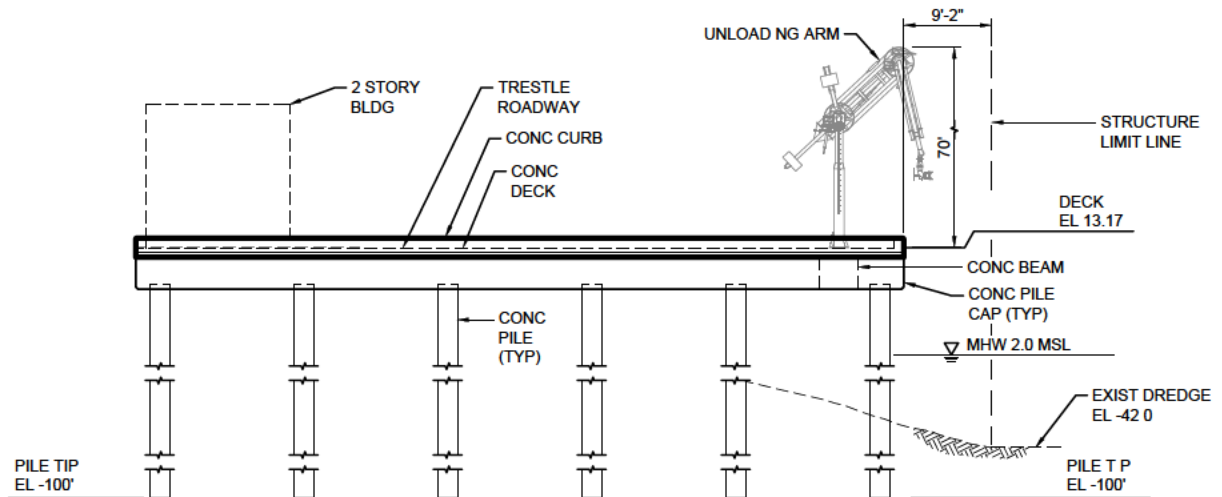
FOR CMD/COE USE ONLY

USACE Permit #

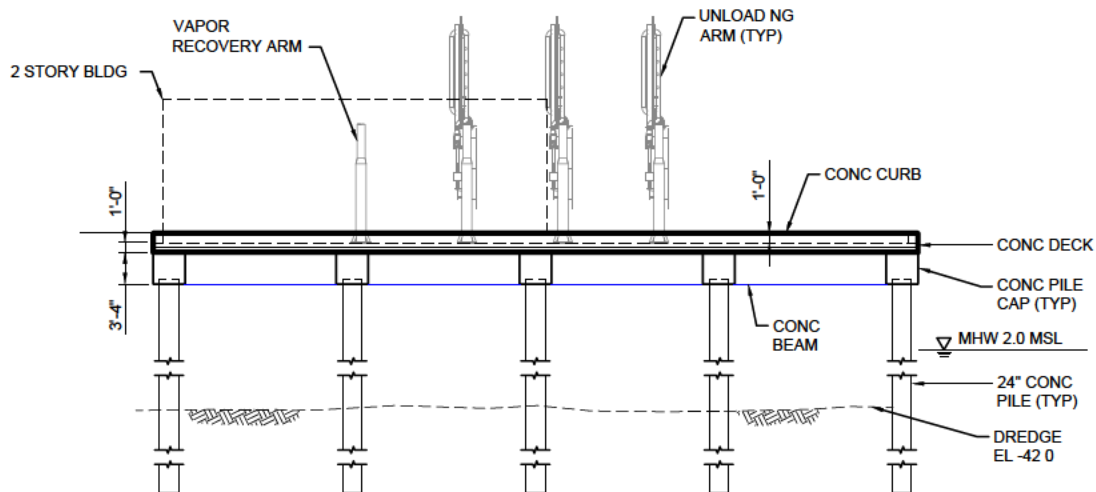
Applicant:

SCALE: AS SHOWN

EXHIBIT: 2.14



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



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

10' 0' 10' 20'
SCALE: 1"=20'

APPLICANT: LAKE CHARLES HARBOR & TERMINAL DISTRICT

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

LIQUID DOCK PLATFORM ELEVATIONS

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

FILE:P:\8008-00\cadd_Active_Permit-AnsIA\800800-A_PERMIT2-15

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P.O. Box 3753
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337.493.3526 (O)
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mo
moffatt & nichol

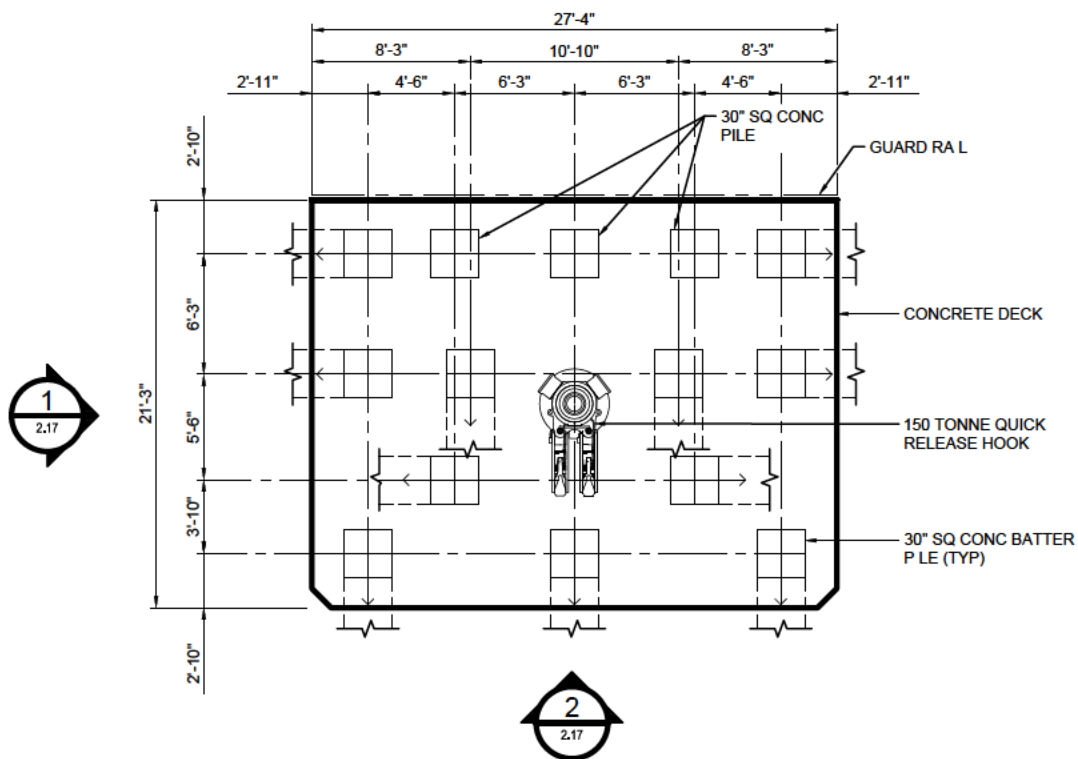
FOR CMD/COE USE ONLY

USACE Permit #

Applicant:

SCALE: AS SHOWN

EXHIBIT: 2.15



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

5'-0" 0'-0" 5'-0" 10'-0"
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: _

FILE:P:\8008-00\cadd\Active\Permit-AnsIA\800800-A_PERMIT2-16

Lake Charles Harbor & Terminal District
Port of Lake Charles
P.O. Box 3753
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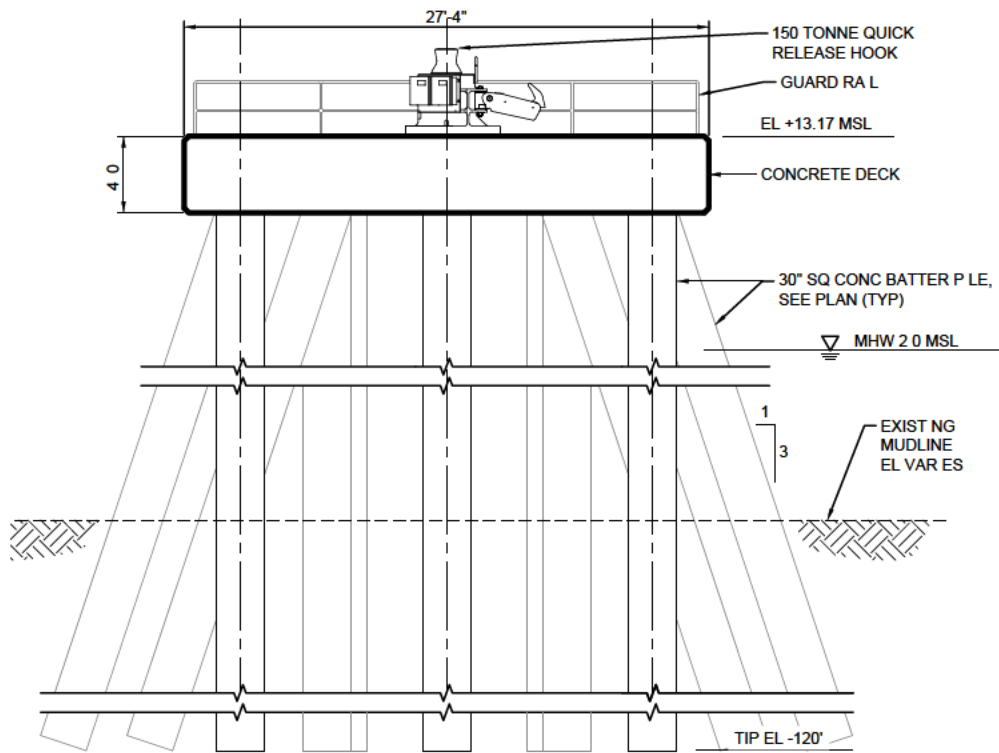
FOR CMD/COE USE ONLY

USACE Permit #

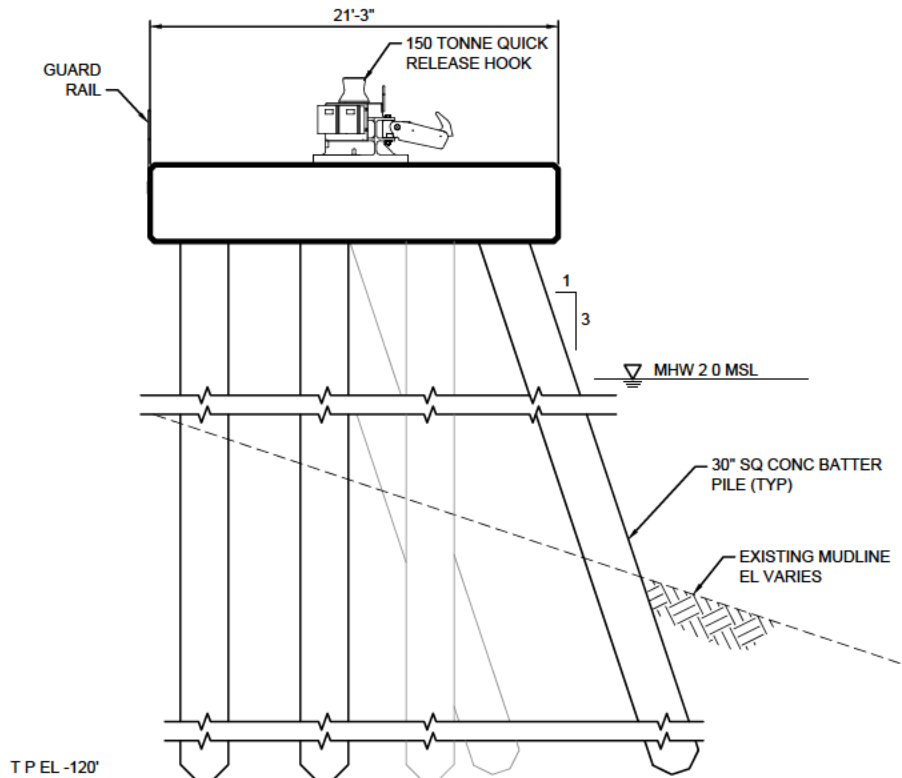
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SCALE: AS SHOWN

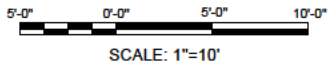
EXHIBIT: 2.16



2 FRONT ELEVATION
SCALE: 1"=10'



1 SIDE ELEVATION
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 ELEVATIONS

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

FILE:P:\8008-00\cadd_-Active_-Permit-AnsIA\800800-A_PERMIT2-17

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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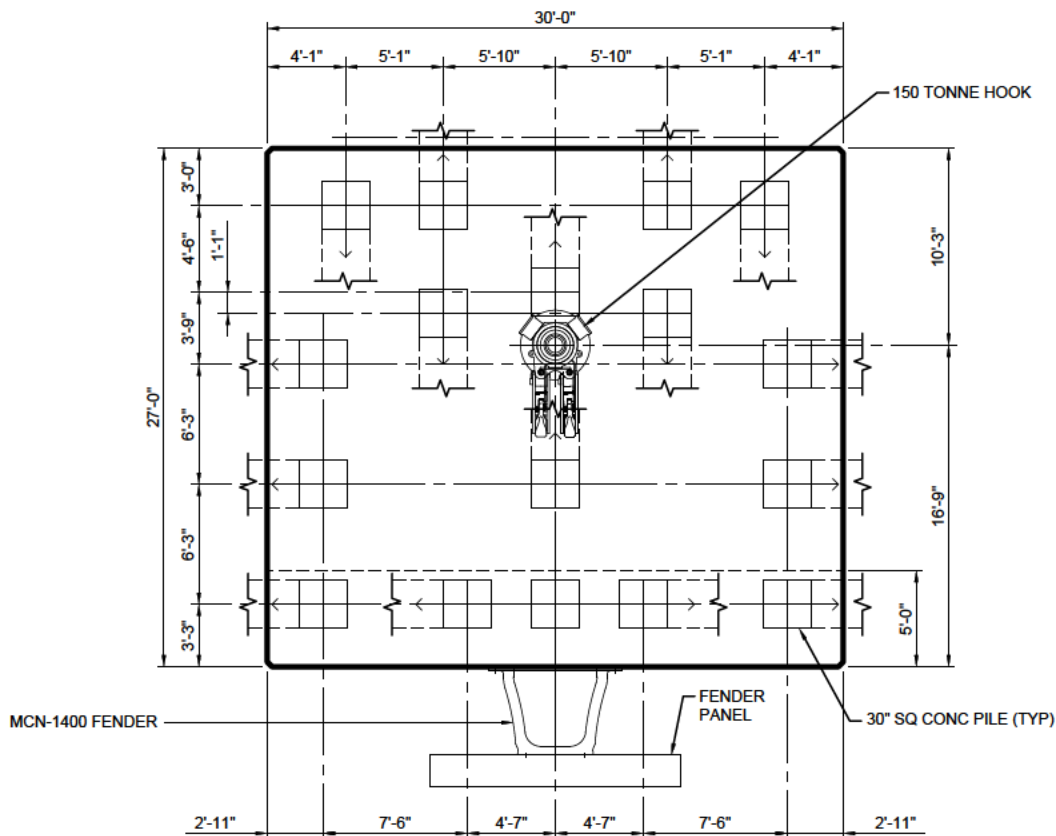
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USACE Permit #

Applicant:

SCALE: AS SHOWN

EXHIBIT: 2.17



5'-0" 0'-0" 5'-0" 10'-0"
SCALE: 1"=10'

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

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:

TYPICAL BREASTING DOLPHIN PLAN

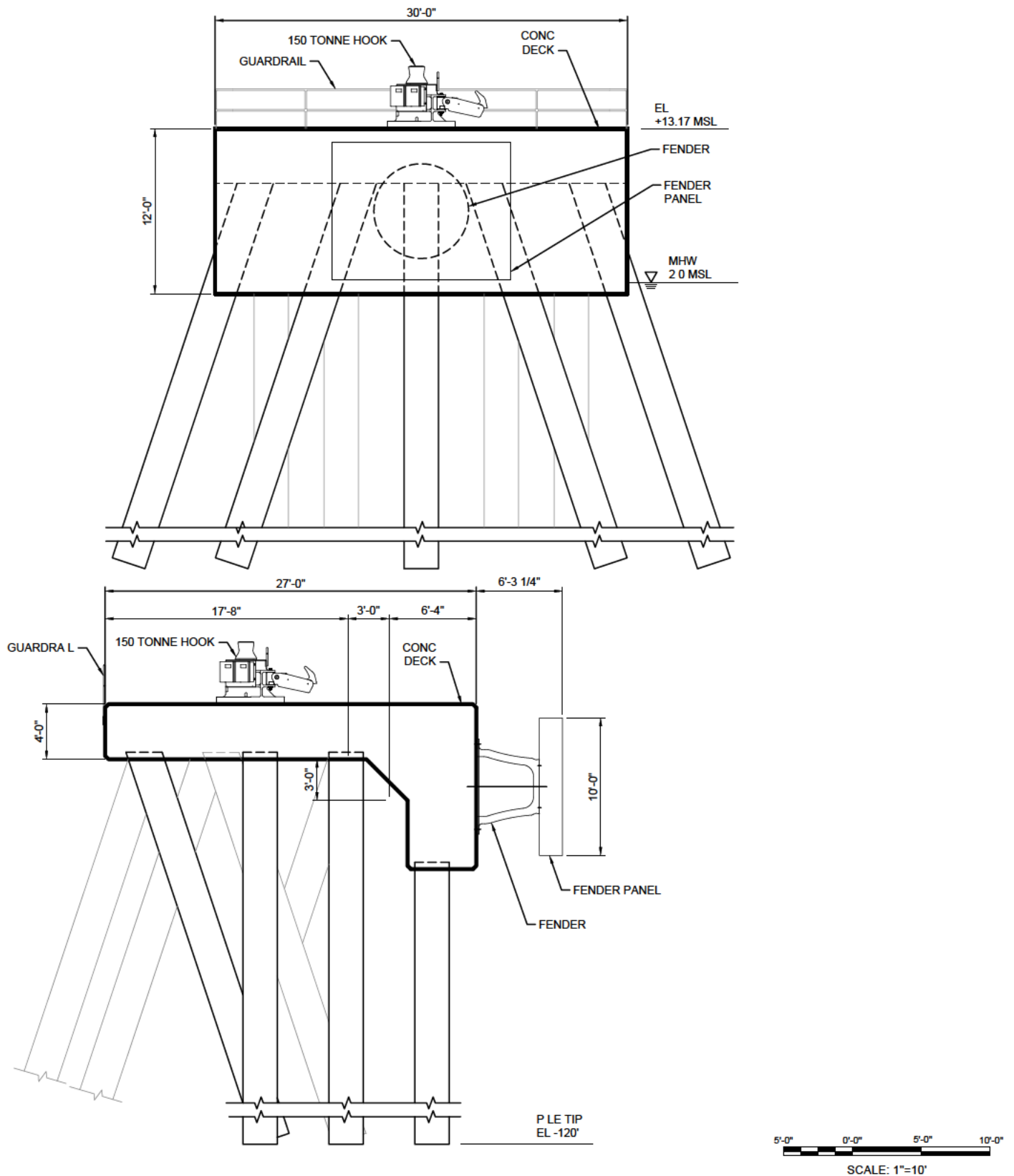
DATE: DECEMBER 20, 2013 PARISH: CALCASIEU REV.#: 0
DATE: _

FILE:P:\8008-00\cadd\Active\Permit-AnsIA\800800-A_PERMIT2-18


moffatt & nichol

SCALE: AS SHOWN

EXHIBIT: 2.18



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: _

FILE:P:\8008-00\cadd\Active\Permit-AnsIA\800800-A_PERMIT2-19

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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moffatt & nichol

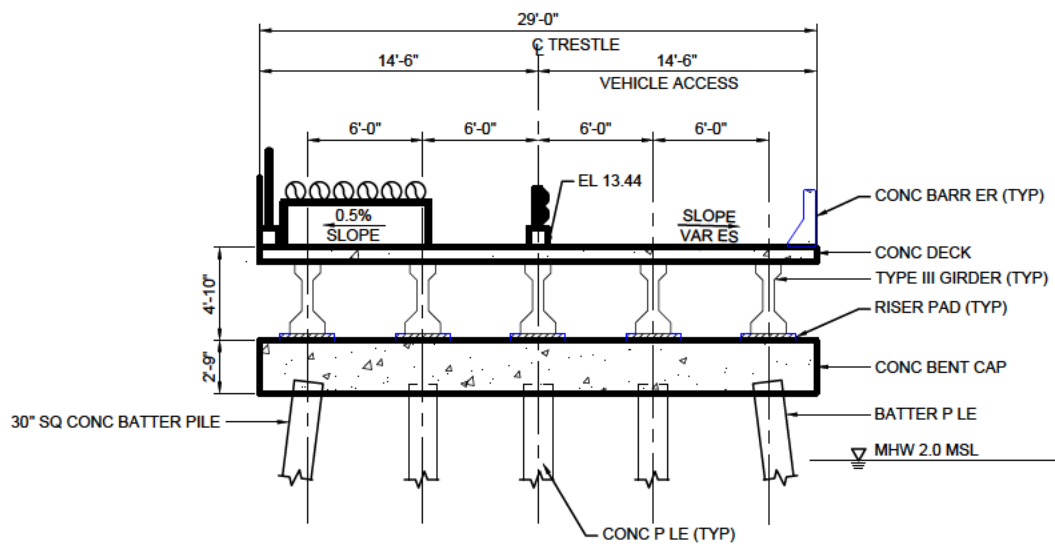
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USACE Permit #

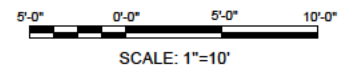
Applicant:

SCALE: AS SHOWN

EXHIBIT: 2.19



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

ACCESS TRESTLE SECTION

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

FILE:P:\8008-00\cadd\Active\Permit-AnsIA\800800-A_PERMIT2-20

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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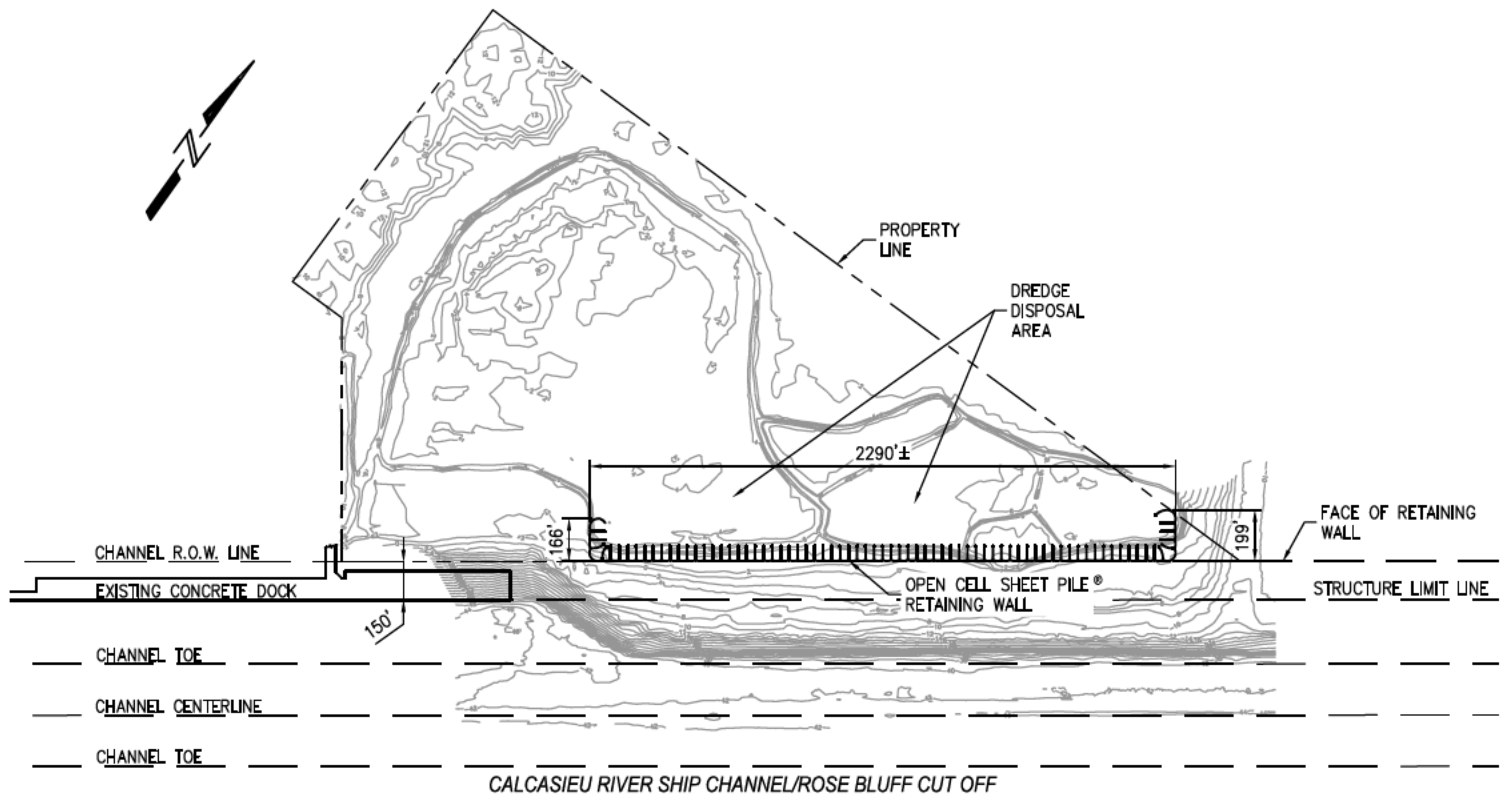
USACE Permit #

Applicant:

SCALE: AS SHOWN

EXHIBIT: 2.20

EXHIBIT: 2.21



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
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)



P | N | D
ENGINEERS, INC.

1736 Fourth Avenue S. Suite A
Seattle, Washington 98134
Phone: 206-624-1387
mail@pndengineers.com

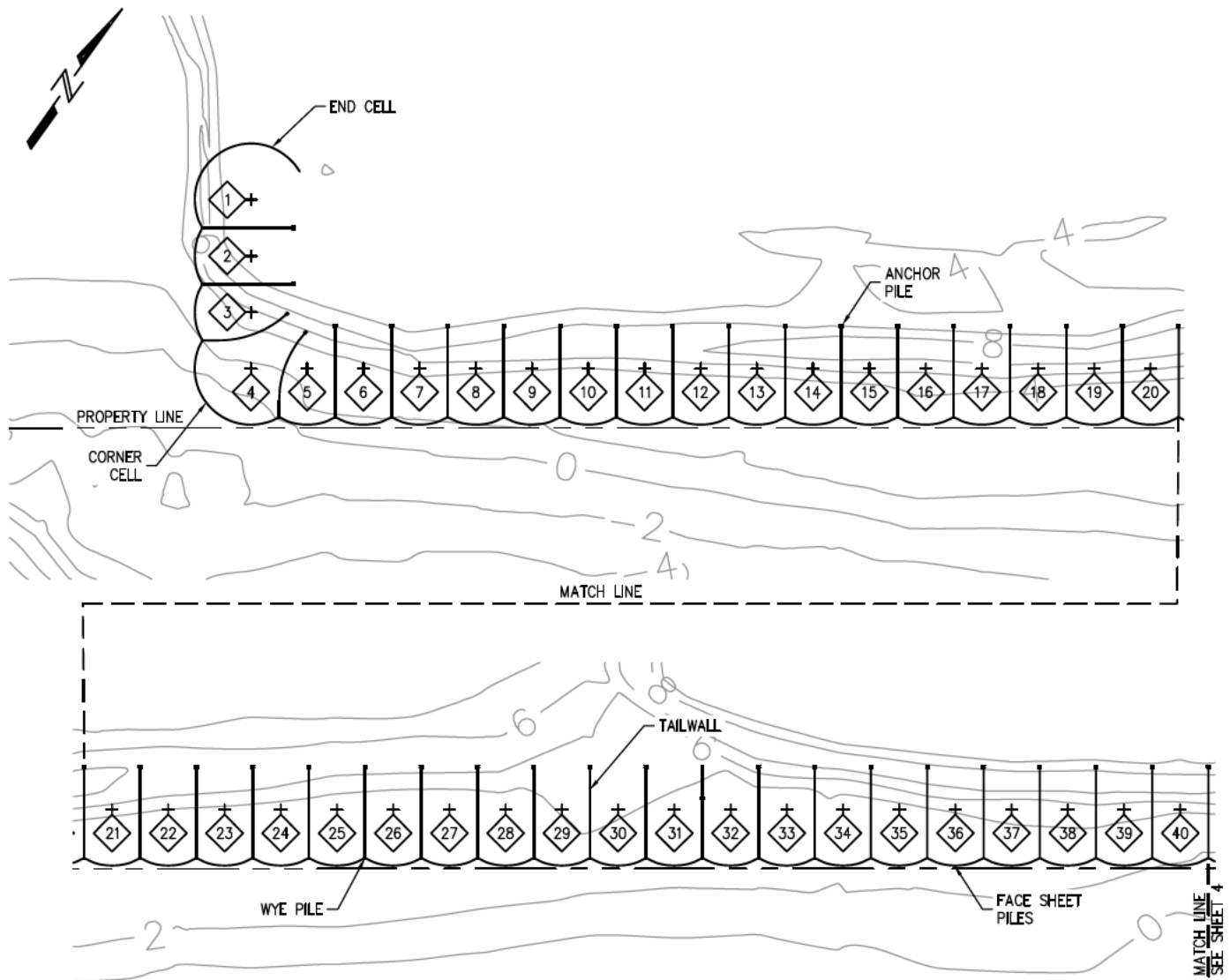
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USACE Permit #

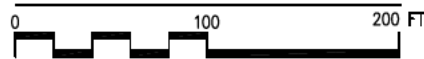
Applicant:

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.#: 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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ENGINEERS, INC.

1736 Fourth Avenue S. Suite A
Seattle, Washington 98134
Phone: 206-624-1387
mail@pndengineers.com

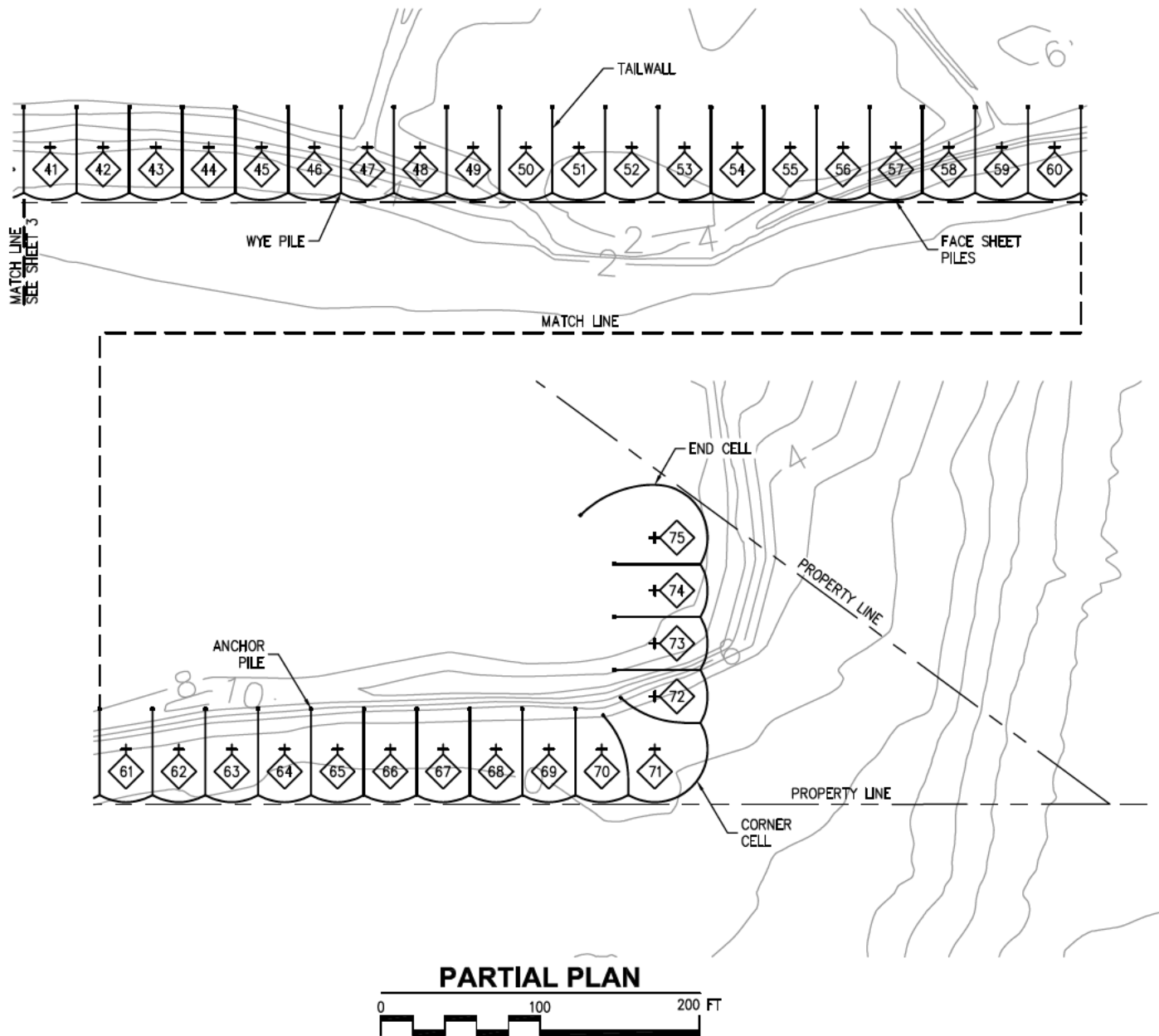
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USACE Permit #

Applicant:

SCALE: AS SHOWN

EXHIBIT: 03.2



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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ENGINEERS, INC.

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

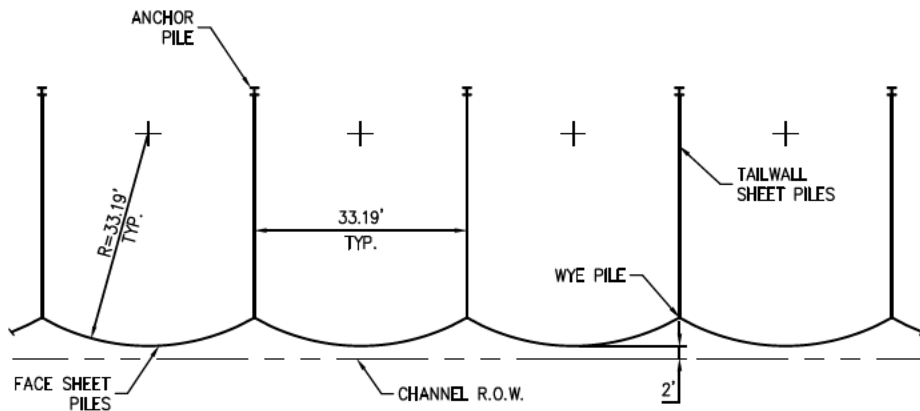
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USACE Permit #

Applicant:

SCALE: AS SHOWN

EXHIBIT: 03.3



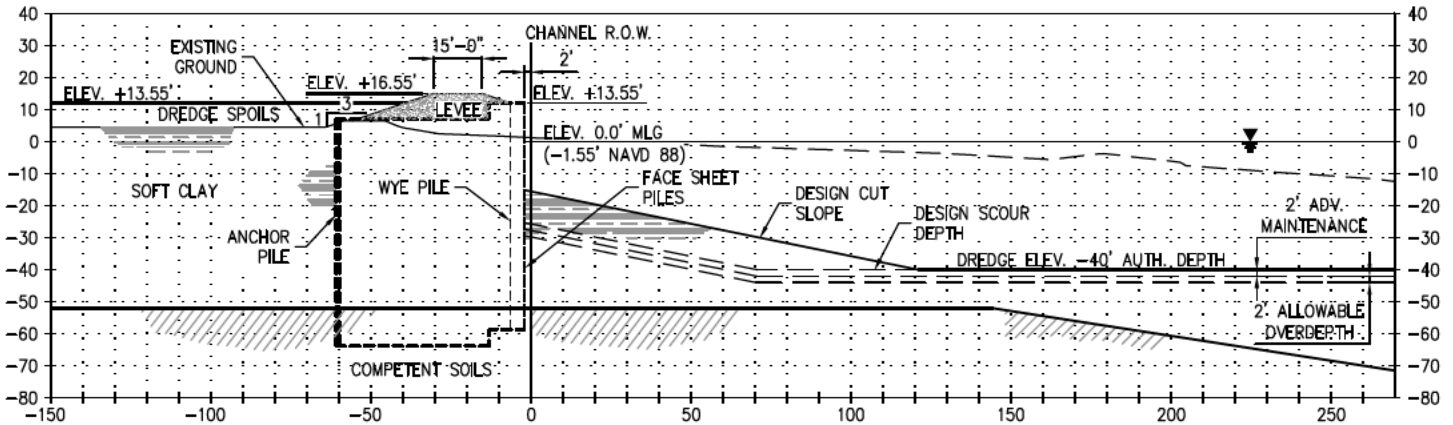
VERTICAL DATUM
RELATIONSHIP

1. CALCASIEU LOCK
WEST TIDE GAGE
2. LAKE CHARLES

NAVD 88 0.9' ①
NAVD 88 ②
MLW 1'
MLG 0.2' 0.3'

CONVERSION USED:
EL. MLG = 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
FILE: NAME.dwg DATE: -

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:

SCALE: AS SHOWN

EXHIBIT: 03.4