

JOINT PUBLIC NOTICE

April 6, 2020

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

(504) 862-2259
Project Manager
Scott N. Kennedy
scott.n.kennedy@usace.army.mil
Permit Application Number
MVN 2013-00550 EMM

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

(225) 219-3225
Project Manager
Elizabeth Hill
WQC Application Number
WQC 200310-03

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 LRS 30:2074 A(3) and provisions of Section 401 of the Clean Water Act.

CONSTRUCT AN OIL TERMINAL ALONG THE RIGHT DESCENDING BANK OF THE MISSISSIPPI RIVER IN PLAQUEMINES PARISH

NAME OF APPLICANT: NOLA Oil Terminal, LLC, c/o Providence Engineering & Environ, Paul Clifton, 1201 Main Street, Baton Rouge, Louisiana 70802.

LOCATION OF WORK: Section 1, Township 17 South, Range 24 East, along the RDB of the Mississippi River at approximately mile marker 60 AHP, near Myrtle Grove, Louisiana, in Plaquemines Parish, as shown on the attached drawings.

HUC: 08090100: Lower Mississippi River – New Orleans
Latitude: 29.63452 Longitude: -89.94105

CHARACTER OF WORK: Construct and maintain an oil terminal, near Myrtle Grove, Louisiana. The oil terminal consists of 2 ship docks and 2 barge docks with all necessary infrastructure. Approximately 0.1 acres of wetlands were previously mitigated for at an approved mitigation bank. This permit, MVN 2013-00550 EQ, was previously issued in October 2013.

The comment period for the Department of the Army Permit and the Louisiana Department of Environmental Quality WQC will close **30 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.

The application for this proposed project is on file with the Louisiana Department of Environmental Quality and may be examined 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 the public notice solicits input from the State Archeologist and State Historic Preservation Office regarding potential impacts to cultural resources.

The New Orleans District has determined that the proposed work would neither affect any species or critical habitat listed as endangered by the U.S. Department of Commerce.

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 up to n/a 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 water quality standards will be required from the Department of Environmental Quality, Water Quality Certifications, before a permit is issued.

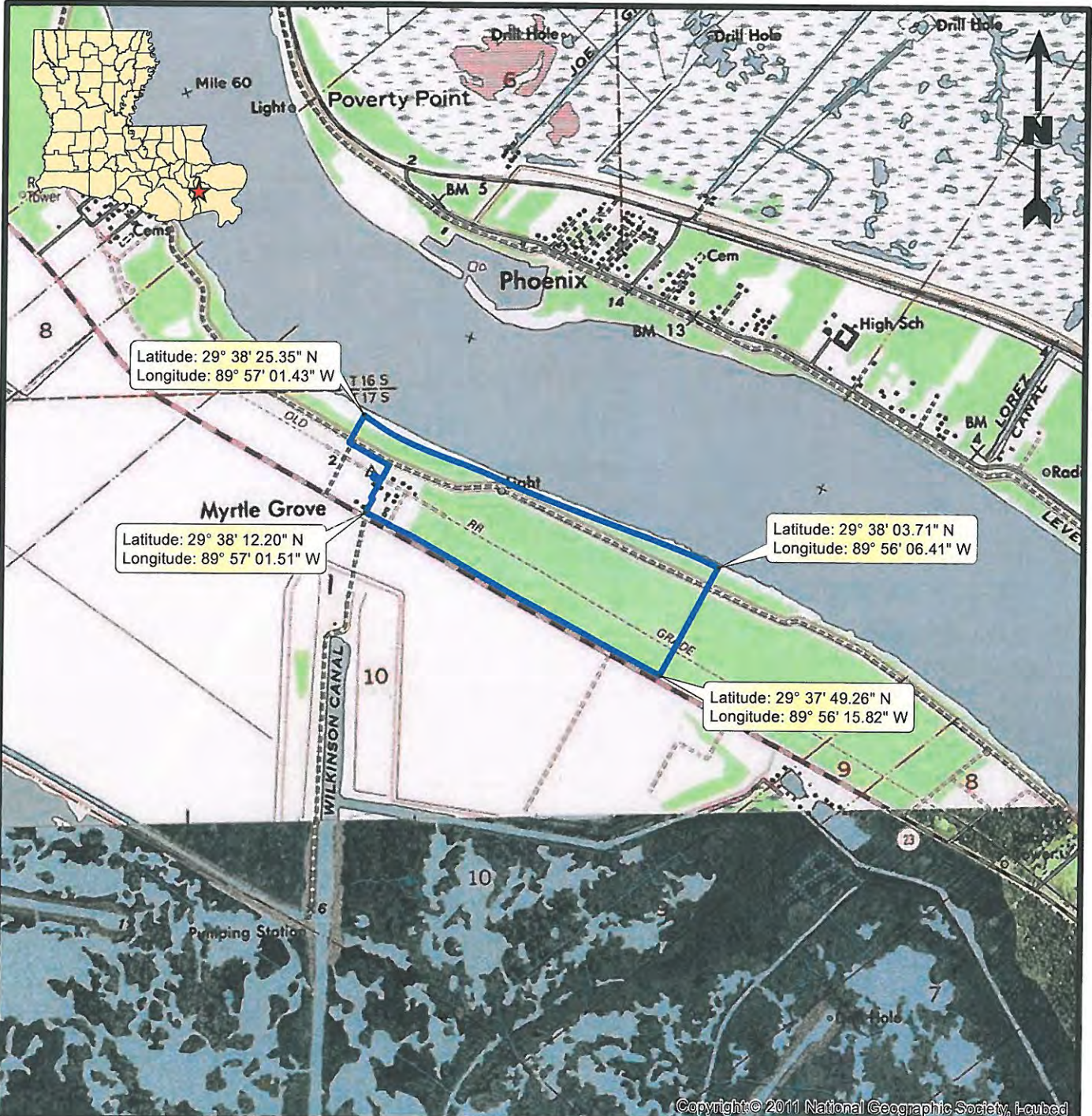
Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for public hearings shall state, with particularity, the reasons for holding a public hearing.

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

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.

Michael Farabee
Chief, Eastern Evaluation Section

Enclosures



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Legend

Project Area

Reference

Base map comprised of U.S.G.S. 7.5 minute topographic maps, "Lake Laurier, LA" and "Phoenix, LA".

Site Location Map

Coastal Use Permit Application
Myrtle Grove, Plaquemines Parish, Louisiana

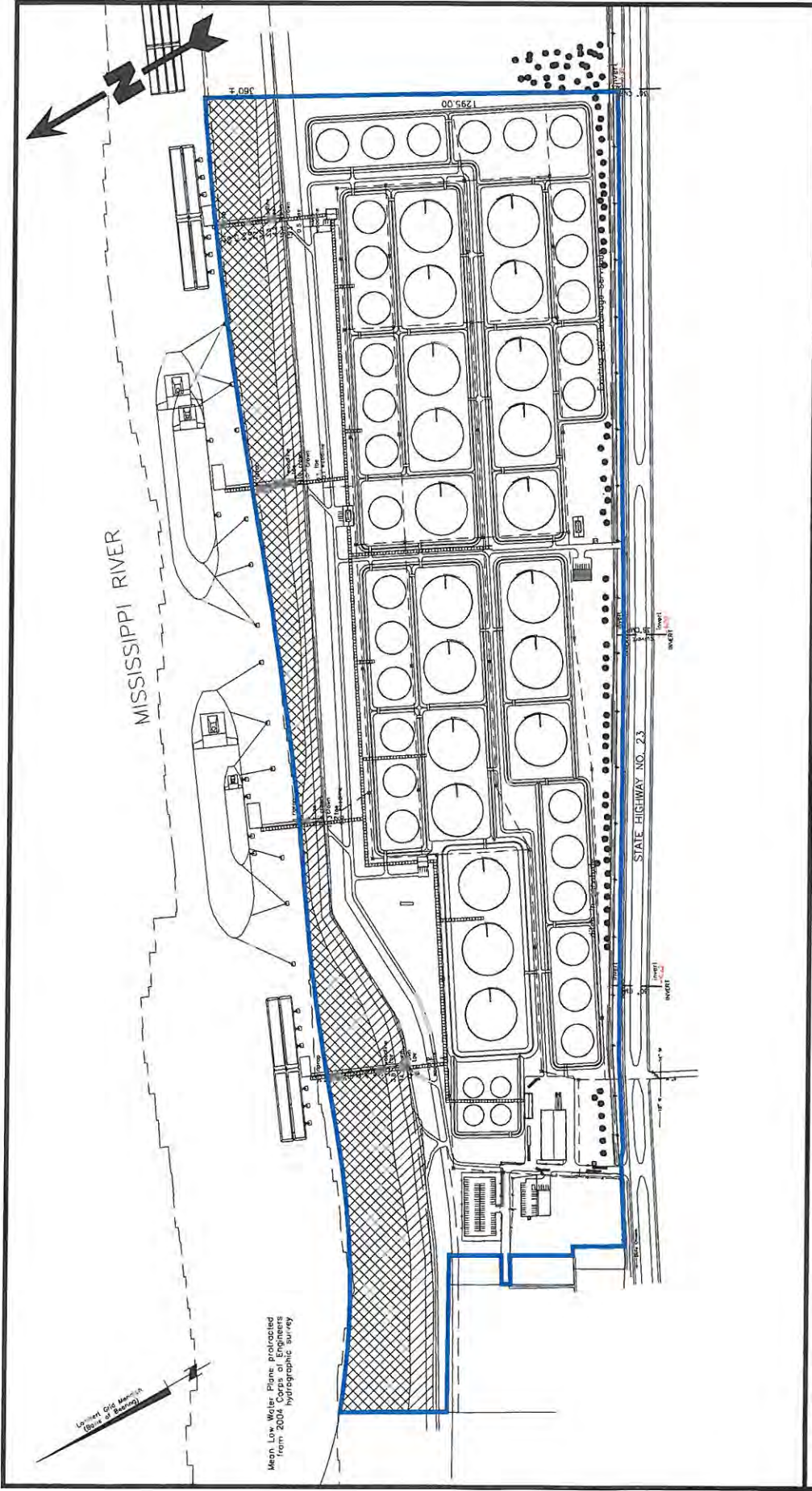
NOLA Oil Terminal, LLC
New Orleans, Louisiana



| | | |
|-------------|-----|----------|
| Drawn By | LMM | 02/22/13 |
| Checked By | LMH | 02/22/13 |
| Approved By | LAW | 02/22/13 |

| | |
|----------------|--------------------|
| Project Number | 2 Figure |
| 861-001 | |
| Drawing Number | |
| 861-001-A014 | |

Providence Engineering and Environmental Group LLC



Legend

- Project Area
- Jurisdictional Wetlands per U.S.A.C.E. (Acct No: MVN-2012-0255-SE)
- Section 10 Area
- Landside (Non-Wetlands) (126.90 Acres)
- Batture Impacts (0.60 Acre)

Reference

Base map comprised of figure provided by Carrubba Engineering, titled: Proposed Marine Liquid Storage Facility at Myrtle Grove LOT 2G2F-2 Water Plan, project no: 2012-114, sheet no: C2.5.

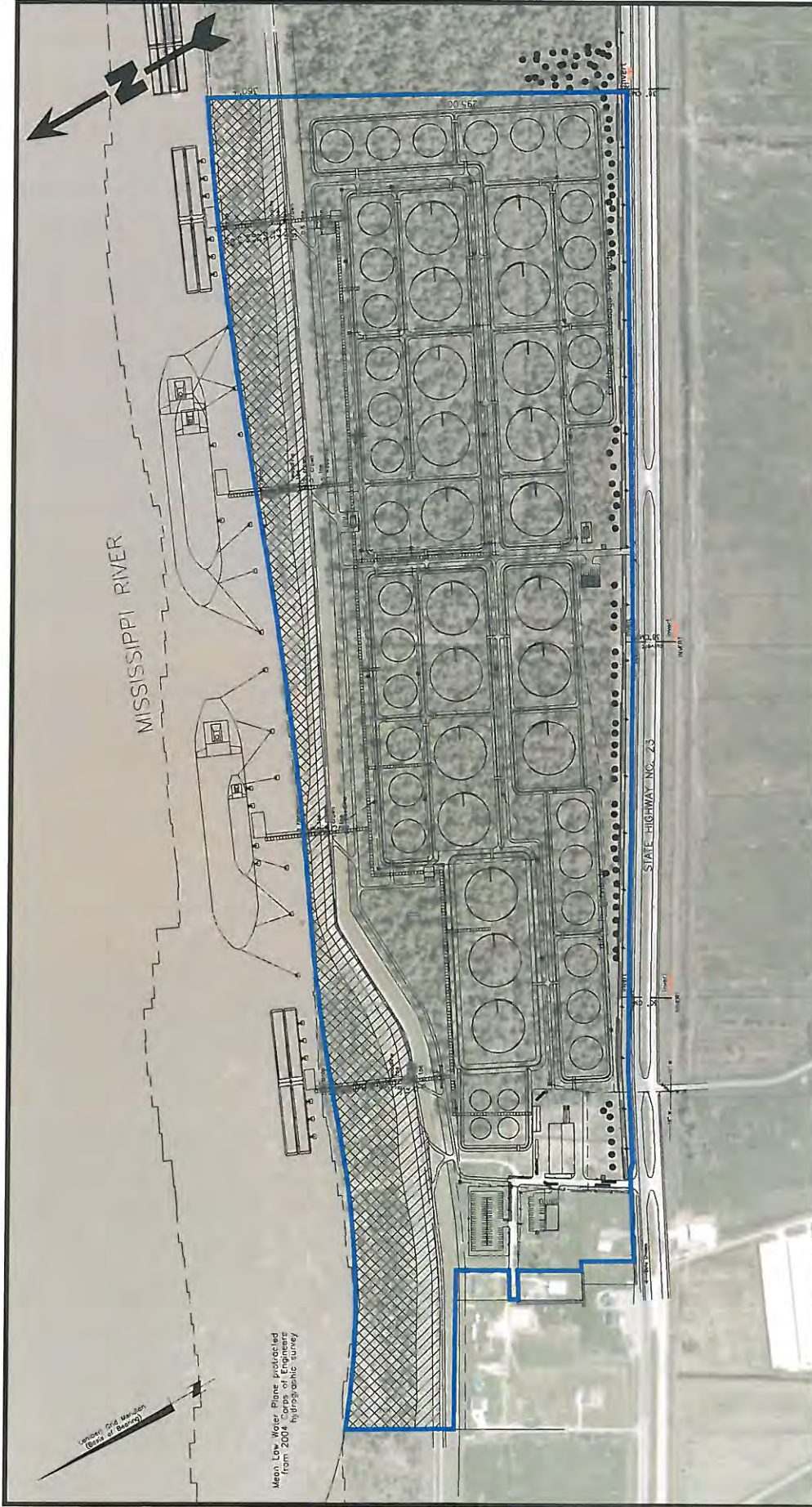
Site Plan

Coastal Use Permit Application
 Myrtle Grove, Plaquemines Parish, Louisiana
NOLA Oil Terminal, LLC
 New Orleans, Louisiana

| | | |
|--------------------------------|-----|----------|
| Drawn By | LMM | 02/22/13 |
| Checked By | LMP | 02/22/13 |
| Approved By | RPC | 02/22/13 |
| Project Number 861-001 | | |
| Drawing Number 861-001-A015 | | |



3a
Figure



Legend
 Project Area
 Jurisdictional Wetlands per U.S.A.C.E. (Acct No: MVN-2012-0255-SE)
 Section 10 Area
 Landside (Non-Wetlands) (126.90 Acres)
 Bulture Impacts (0.60 Acre)

Mean Low Water Plane Projected from 2001 bathymetric hydrographic survey

Legend

- Project Area
- Jurisdictional Wetlands per U.S.A.C.E. (Acct No: MVN-2012-0255-SE)
- Section 10 Area
- Landside (Non-Wetlands) (126.90 Acres)
- Bulture Impacts (0.60 Acre)

Reference

Base map comprised of figure provided by Carrubba Engineering, titled: Proposed Marine Liquid Storage Facility at Myrtle Grove LOT 2G2F-2 Water Plan, project no: 2012-114, sheet no: C2.5 and of Bing Maps aerial imagery from (c) 2012 Microsoft Corporation and its data suppliers.

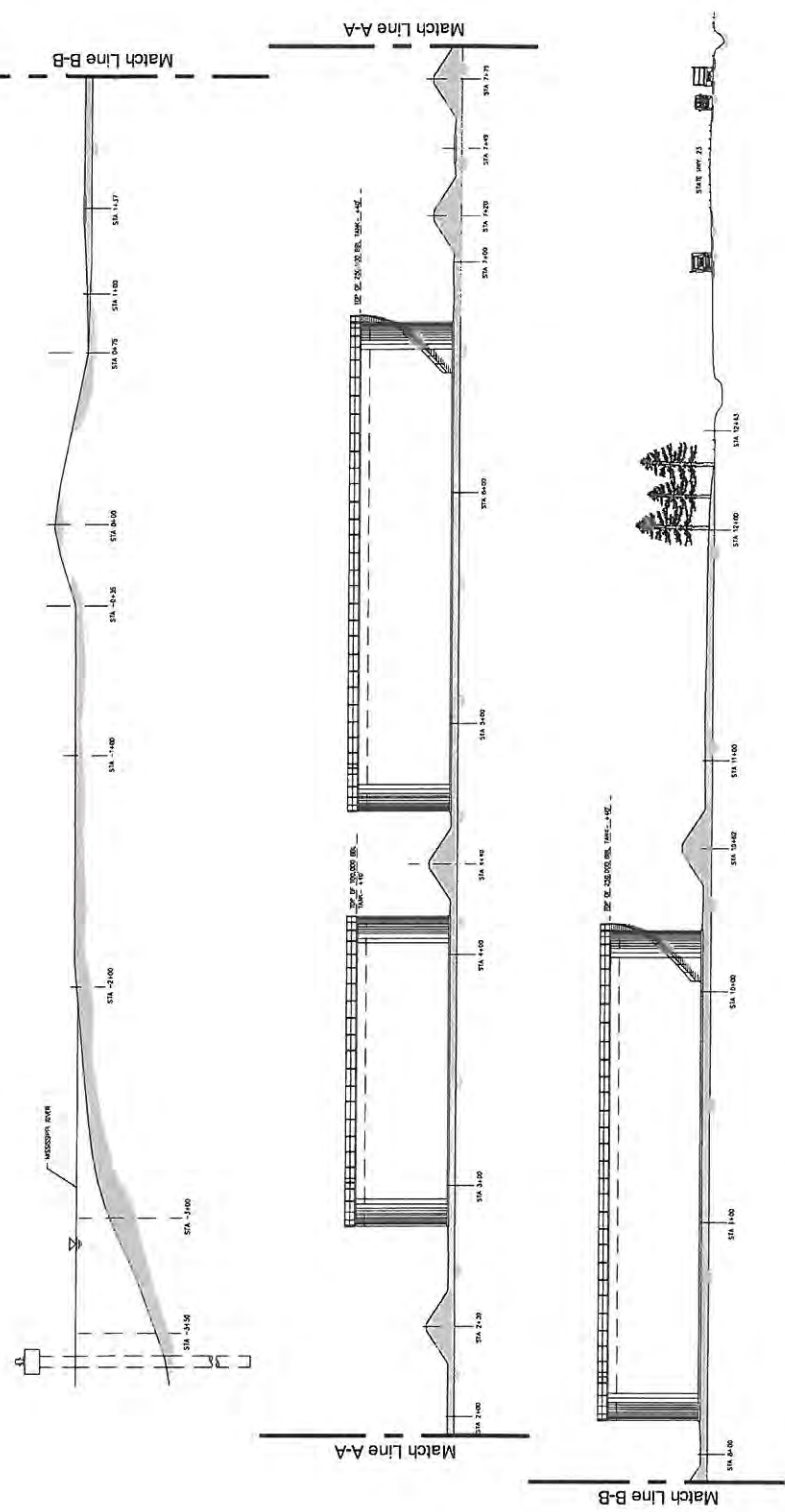
Site Plan with Aerial Photograph

Coastal Use Permit Application
 Myrtle Grove, Plaquemines Parish, Louisiana
NOLA Oil Terminal, LLC
 New Orleans, Louisiana



| | | |
|----------------|--------------|----------|
| Drawn By | LMM | 02/22/13 |
| Checked By | LWH | 02/22/13 |
| Approved By | RPC | 02/22/13 |
| Project Number | 861-001 | |
| Drawing Number | 861-001-A016 | |

3b
Figure



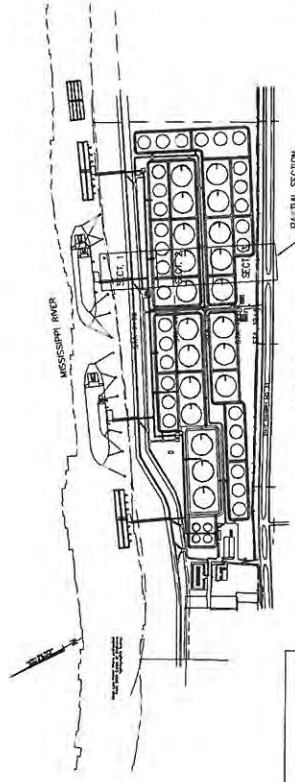
Reference

Base map comprised of Carubba Engineering figure, titled: Proposed Marine Liquid Storage Facility at Myrtle Grove, Lot 262F-2, Section Through Site, project no: 2012-114, dated: 02/13.

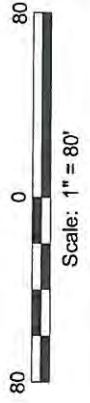
Cross Section

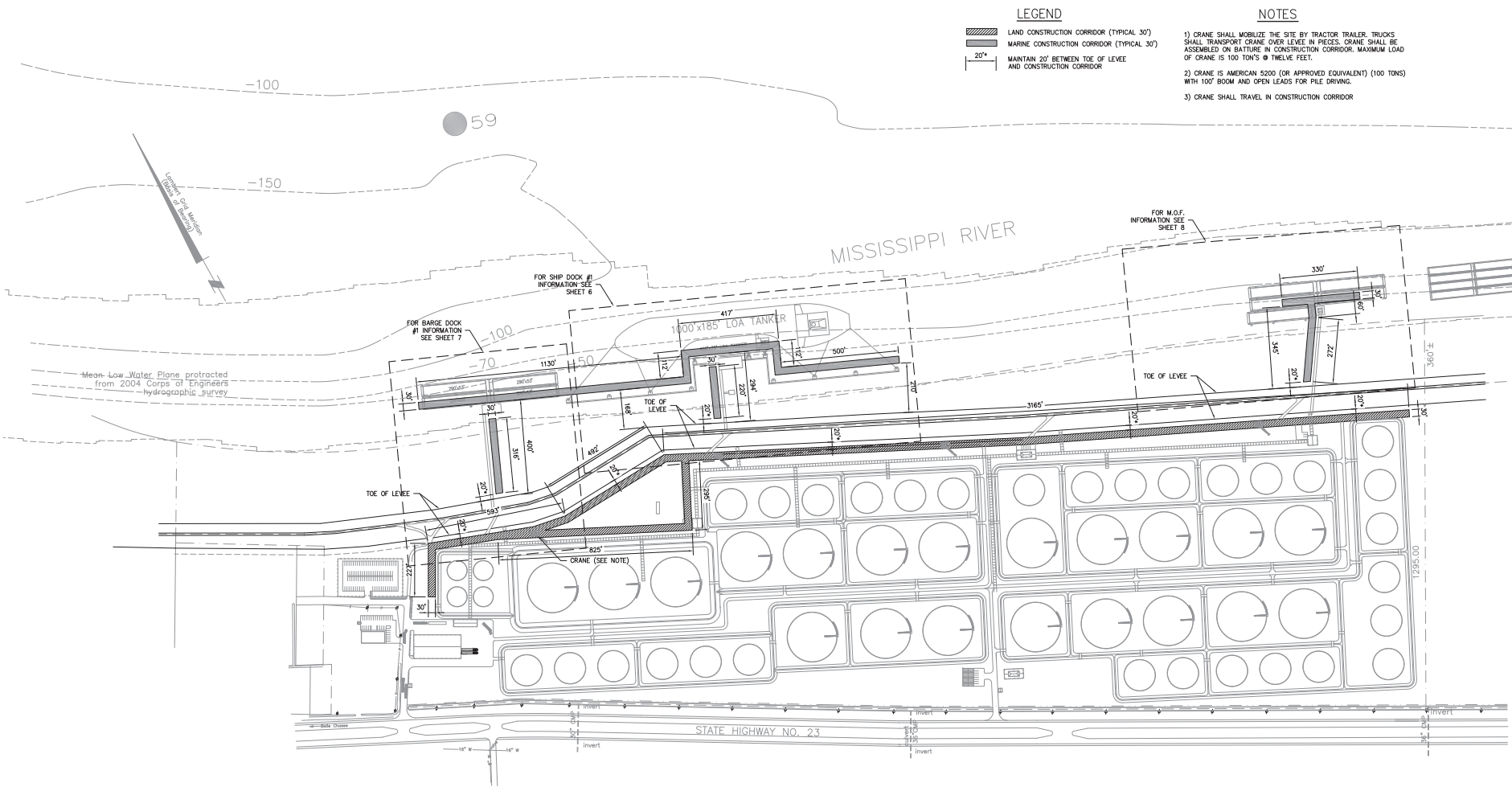
Coastal Use Permit Application
 Myrtle Grove, Plaquemines Parish, Louisiana
NOLA Oil Terminal, LLC
 New Orleans, Louisiana

| | | |
|----------------|-----|--------------------|
| Drawn By | LMM | 02/22/13 |
| Checked By | LMH | 02/22/13 |
| Approved By | RPC | 02/22/13 |
| Project Number | | 861-001 |
| Drawing Number | | 861-001-A017 |
| | | 4 Figure |



| STATION | PROPOSED ELEVATION | EXISTING ELEVATION | FINISHED ELEVATION | REMARKS |
|---------|--------------------|--------------------|--------------------|--------------|
| 1+00 | 11.00 | 11.00 | 11.00 | TOP OF CANAL |
| 1+05 | 11.00 | 11.00 | 11.00 | TOP OF CANAL |
| 1+10 | 11.00 | 11.00 | 11.00 | TOP OF CANAL |
| 1+15 | 11.00 | 11.00 | 11.00 | TOP OF CANAL |
| 1+20 | 11.00 | 11.00 | 11.00 | TOP OF CANAL |
| 1+25 | 11.00 | 11.00 | 11.00 | TOP OF CANAL |
| 1+30 | 11.00 | 11.00 | 11.00 | TOP OF CANAL |
| 1+35 | 11.00 | 11.00 | 11.00 | TOP OF CANAL |
| 1+40 | 11.00 | 11.00 | 11.00 | TOP OF CANAL |
| 1+45 | 11.00 | 11.00 | 11.00 | TOP OF CANAL |
| 1+50 | 11.00 | 11.00 | 11.00 | TOP OF CANAL |
| 1+55 | 11.00 | 11.00 | 11.00 | TOP OF CANAL |
| 1+60 | 11.00 | 11.00 | 11.00 | TOP OF CANAL |
| 1+65 | 11.00 | 11.00 | 11.00 | TOP OF CANAL |
| 1+70 | 11.00 | 11.00 | 11.00 | TOP OF CANAL |
| 1+75 | 11.00 | 11.00 | 11.00 | TOP OF CANAL |
| 1+80 | 11.00 | 11.00 | 11.00 | TOP OF CANAL |
| 1+85 | 11.00 | 11.00 | 11.00 | TOP OF CANAL |
| 1+90 | 11.00 | 11.00 | 11.00 | TOP OF CANAL |
| 1+95 | 11.00 | 11.00 | 11.00 | TOP OF CANAL |
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| 2+05 | 11.00 | 11.00 | 11.00 | TOP OF CANAL |
| 2+10 | 11.00 | 11.00 | 11.00 | TOP OF CANAL |
| 2+15 | 11.00 | 11.00 | 11.00 | TOP OF CANAL |
| 2+20 | 11.00 | 11.00 | 11.00 | TOP OF CANAL |
| 2+25 | 11.00 | 11.00 | 11.00 | TOP OF CANAL |
| 2+30 | 11.00 | 11.00 | 11.00 | TOP OF CANAL |
| 2+35 | 11.00 | 11.00 | 11.00 | TOP OF CANAL |
| 2+40 | 11.00 | 11.00 | 11.00 | TOP OF CANAL |
| 2+45 | 11.00 | 11.00 | 11.00 | TOP OF CANAL |
| 2+50 | 11.00 | 11.00 | 11.00 | TOP OF CANAL |
| 2+55 | 11.00 | 11.00 | 11.00 | TOP OF CANAL |
| 2+60 | 11.00 | 11.00 | 11.00 | TOP OF CANAL |
| 2+65 | 11.00 | 11.00 | 11.00 | TOP OF CANAL |
| 2+70 | 11.00 | 11.00 | 11.00 | TOP OF CANAL |
| 2+75 | 11.00 | 11.00 | 11.00 | TOP OF CANAL |
| 2+80 | 11.00 | 11.00 | 11.00 | TOP OF CANAL |
| 2+85 | 11.00 | 11.00 | 11.00 | TOP OF CANAL |
| 2+90 | 11.00 | 11.00 | 11.00 | TOP OF CANAL |
| 2+95 | 11.00 | 11.00 | 11.00 | TOP OF CANAL |
| 3+00 | 11.00 | 11.00 | 11.00 | TOP OF CANAL |





LEGEND

LAND CONSTRUCTION CORRIDOR (TYPICAL 30')
 MARINE CONSTRUCTION CORRIDOR (TYPICAL 30')
 20'

MAINTAIN 20' BETWEEN TOE OF LEVEE AND CONSTRUCTION CORRIDOR

NOTES

- 1) CRANE SHALL MOBILIZE THE SITE BY TRACTOR TRAILER TRUCKS. SHALL TRANSPORT CRANE OVER LEVEE IN PIECES. CRANE SHALL BE ASSEMBLED ON BATTERIE IN CONSTRUCTION CORRIDOR. MAXIMUM LOAD OF CRANE IS 100 TON'S @ TWELVE FEET.
- 2) CRANE IS AMERICAN 5200 (OR APPROVED EQUIVALENT) (100 TONS) WITH 100' BOOM AND OPEN LEADS FOR PILE DRIVING.
- 3) CRANE SHALL TRAVEL IN CONSTRUCTION CORRIDOR

CONSTRUCTION CRANE CORRIDOR
SCALE: 1"=200'-0"

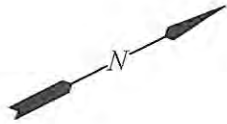
| MARK | DESCRIPTION | DATE | BY |
|------|--------------|------------|-----|
| A. | FOR APPROVAL | 03/07/2013 | RMC |

STRUCTURAL
CARUBBA
ENGINEERING

8011 Magazine Drive, Suite 200
Metairie, LA 70002
Phone: 504.888.1460
Fax: 504.888.1461
www.carubbaengineering.com

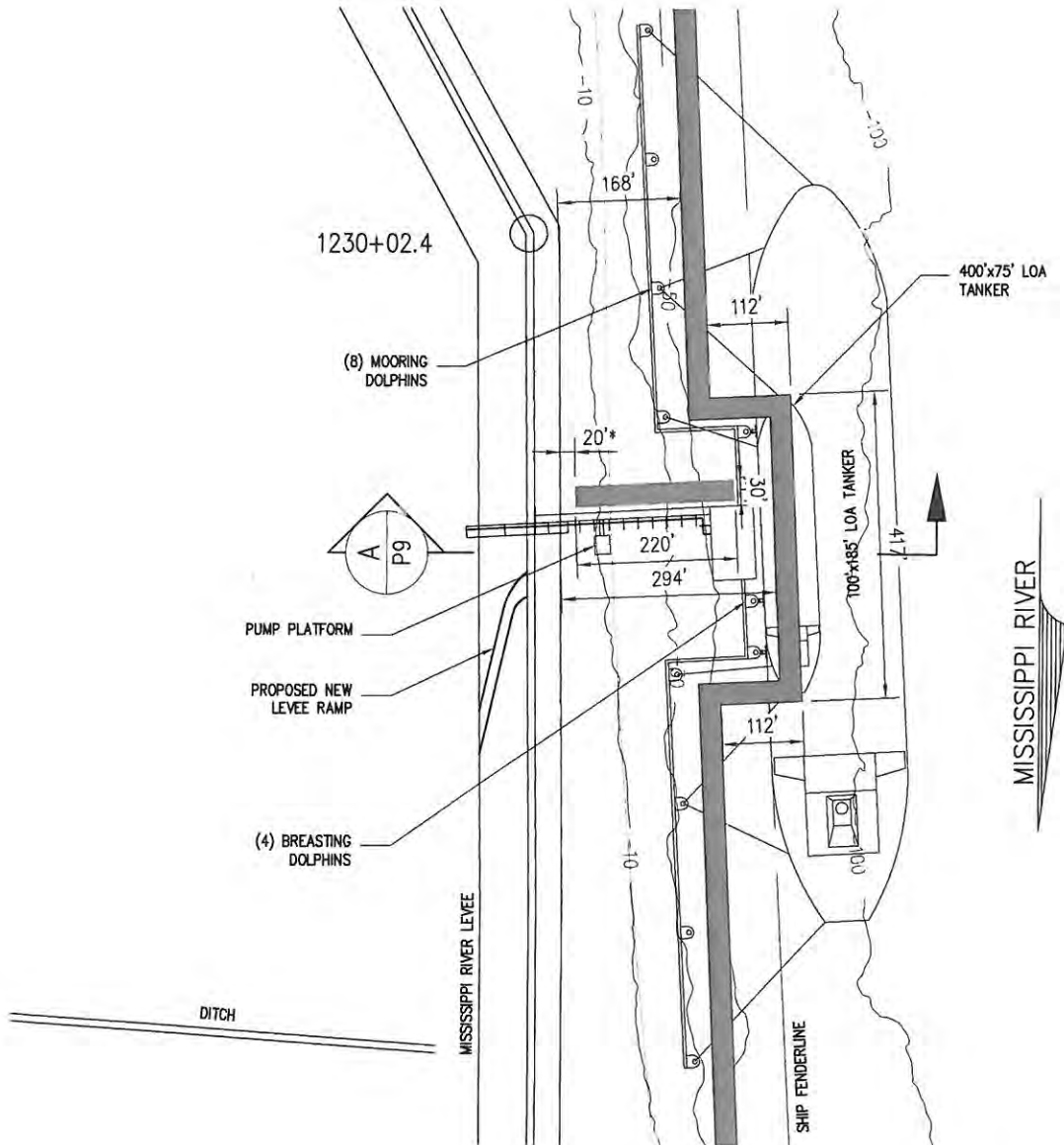
LOUISIANA
NOLA OIL TERMINAL, LLC
Proposed Marine Liquid Storage Facility at Myrtle Grove
LOT 2G2F-2
CONSTRUCTION CRANE CORRIDOR

| | |
|------------------|-----------------|
| PLACEMINE PARISH | DRAWN |
| | EN |
| | CHECKED |
| | RMC |
| | DATE |
| | 03/13 |
| | CEI PROJECT NO. |
| | 2012-114 |
| | SHEET |
| | 5 |



LEGEND

- MARINE CONSTRUCTION CORRIDOR (TYPICAL 30')
- 20'* MAINTAIN 20' BETWEEN TOE OF LEVEE AND CONSTRUCTION CORRIDOR



PROPOSED SHIP DOCK #1 - PHASE 1
 SCALE: 1" = 20'



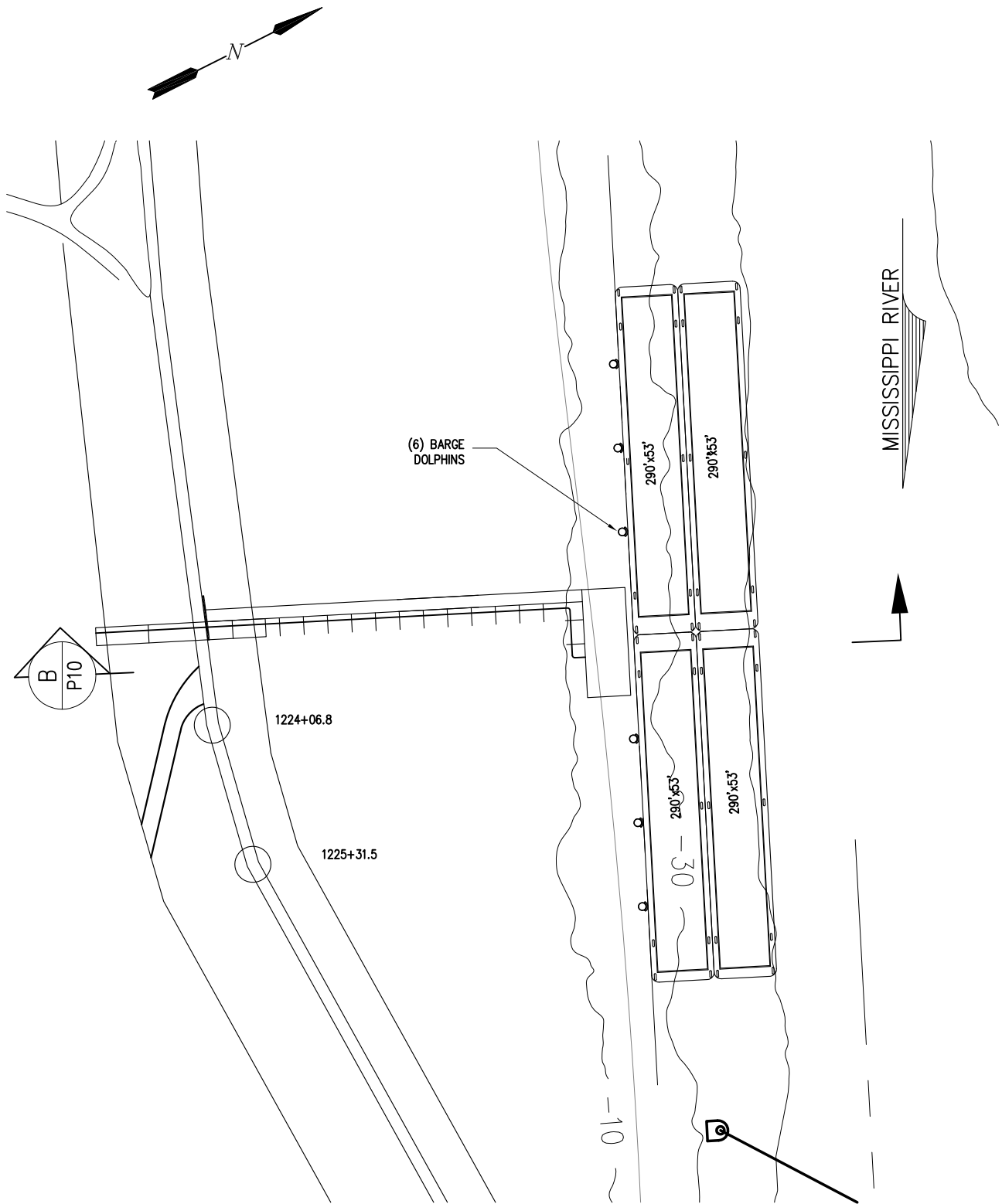
3621 Ridgelake Drive, Suite 204
 Metairie, LA 70002
 Phone: 504.888.1490
 Fax: 504.888.1491
 www.carubbaengineering.com

NOLA OIL TANK TERMINAL
 MYRTLE GROVE LOUISIANA

MARINE SITE PLAN
ENLARGED SITE PLAN-PHASE 1
PROPOSED SHIP DOCK #1

DATE OCT. 12
 DESIGN ARF
 DRAWN JP
 CHECK NPL
 JOB # 2012-114
 SHEET No.

6



PROPOSED BARGE DOCK #1 -- PHASE 1

SCALE: 1" = 10'



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NOLA OIL TANK FARM
MYRTLE GROVE LOUISIANA

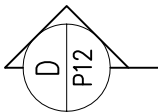
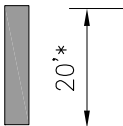
MARINE SITE PLAN
ENLARGED SITE PLAN-PHASE 1
PROPOSED BARGE DOCK #1

DATE MAY 16, 2013
DESIGN RMC
DRAWN DW
CHECK RMC
JOB # 2012-114
SHEET No.

LEGEND

MARINE CONSTRUCTION CORRIDOR (TYPICAL 30')

MAINTAIN 20' BETWEEN TOE OF LEVEE AND CONSTRUCTION CORRIDOR

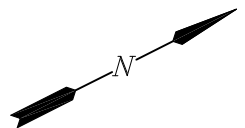
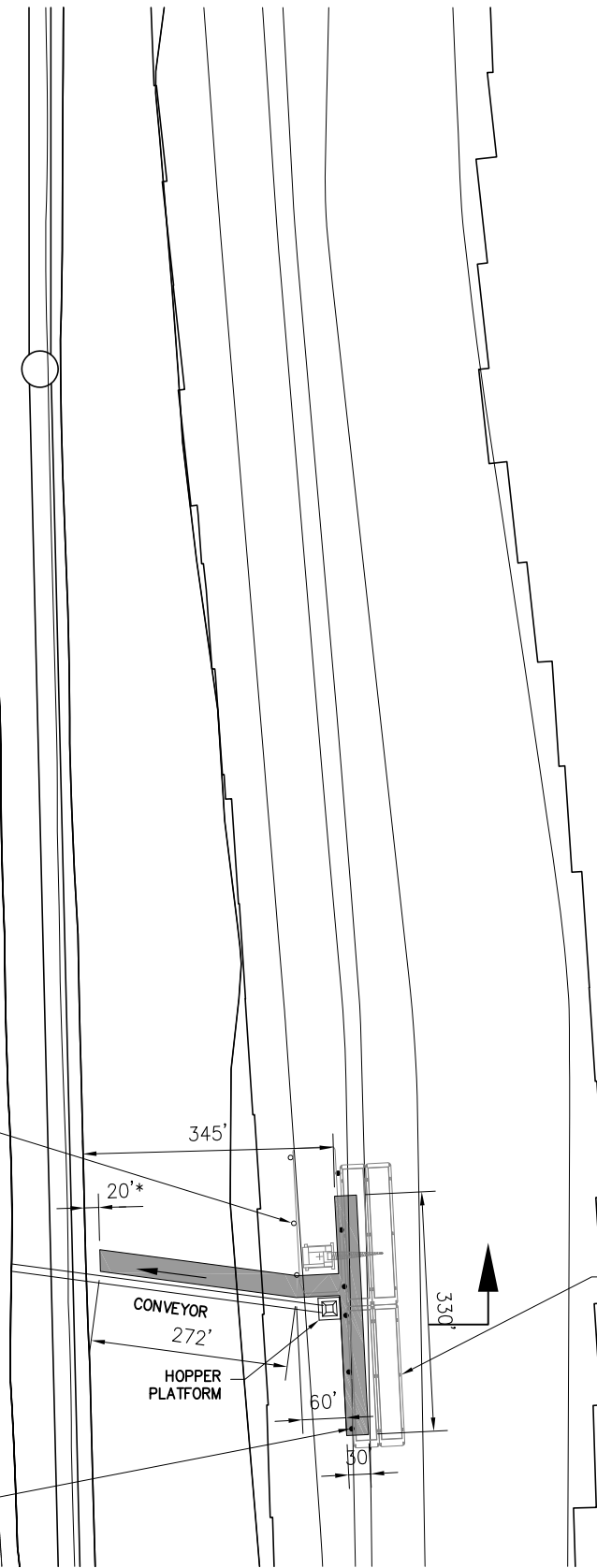


1245+77.2

DITCH

(3) BARGE DOLPHINS

(6) BARGE DOLPHINS



MISSISSIPPI RIVER

PROPOSED BARGE FLEET AND M.O.F. - PHASE 1

SCALE: 1" = 10'



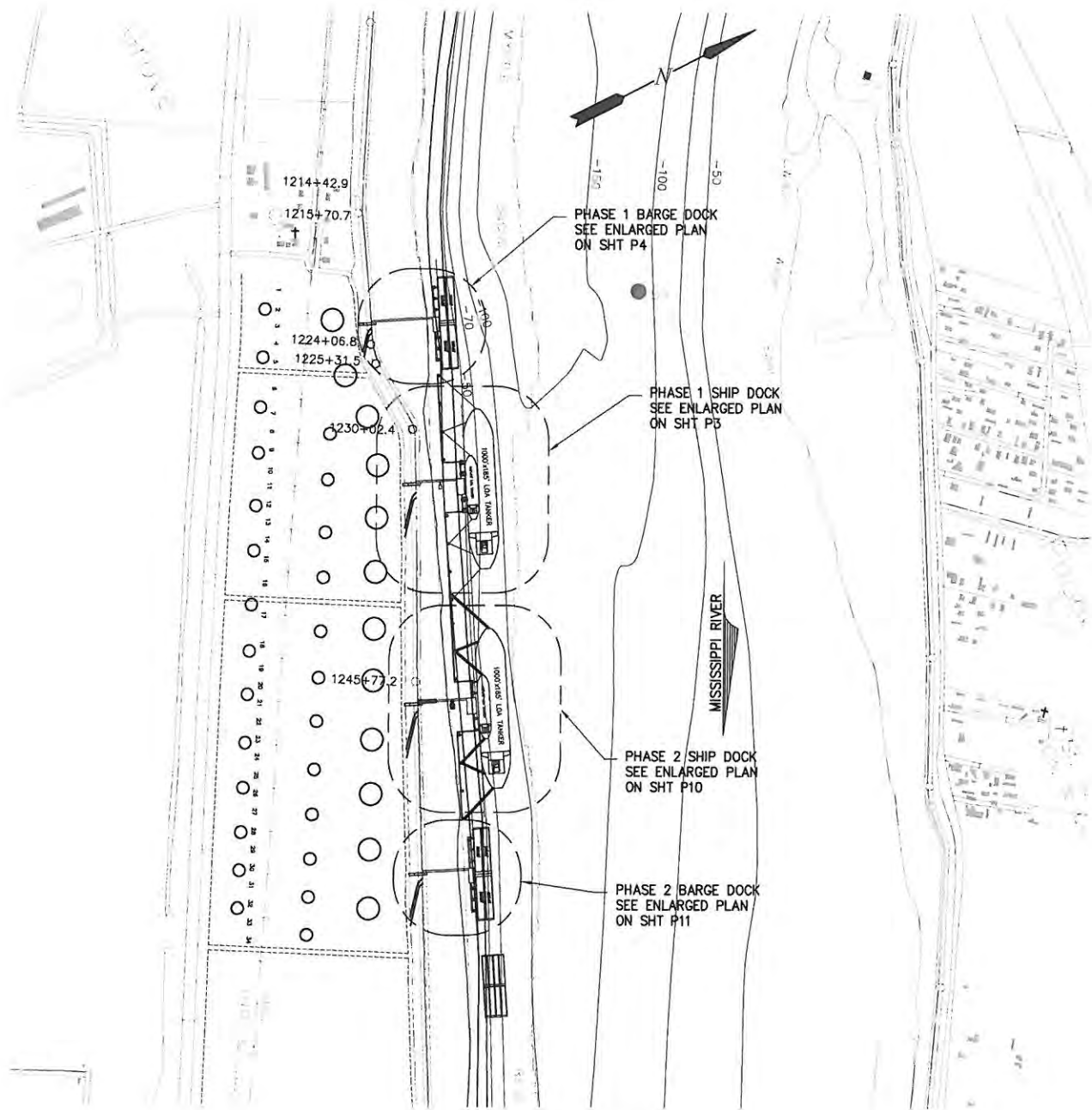
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Metairie, LA 70002
Phone: 504.888.1490
Fax: 504.888.1491
www.carubbaengineering.com

NOLA OIL TANK TERMINAL
MYRTLE GROVE LOUISIANA

MARINE SITE PLAN
ENLARGED SITE PLAN-PHASE 1
PROPOSED BARGE FLEET + M.O.F.

DATE MAY 15, 2013
DESIGN ARF
DRAWN JP
CHECK NPL
JOB # 2012-114
SHEET No.

8



SITE MAP

SCALE: 1" = 80'



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 Fax: 504.888.1491
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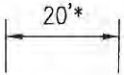
NOLA OIL TANK TERMINAL
 MYRTLE GROVE LOUISIANA

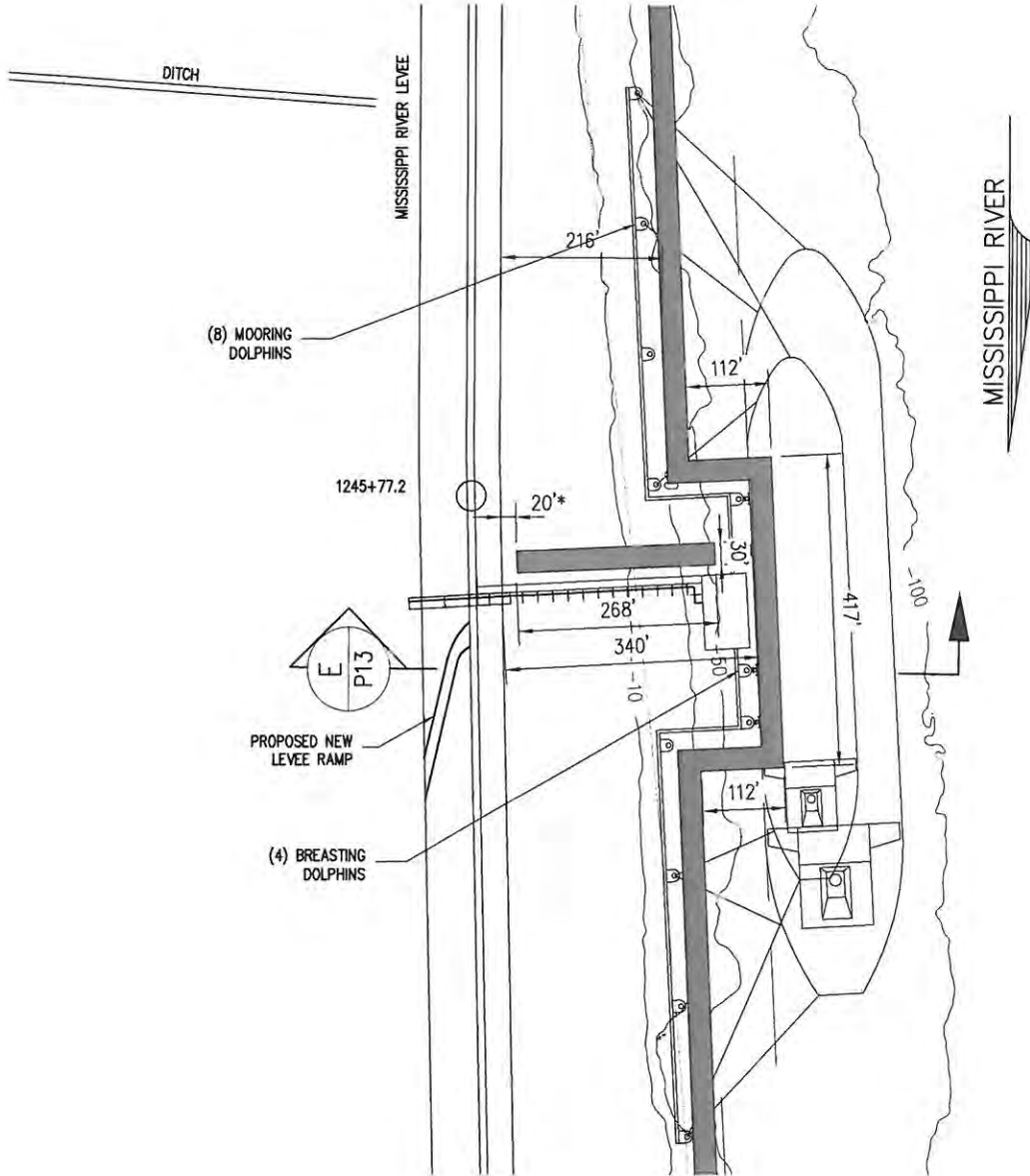
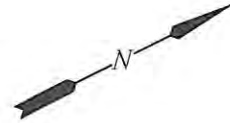
MARINE SITE PLAN
PROPOSED NEW LIQUID TERMINAL
PHASE 2

DATE OCT. 12
 DESIGN ARF
 DRAWN JP
 CHECK NPL
 JOB # 2012-114
 SHEET No.

9

LEGEND

-  MARINE CONSTRUCTION CORRIDOR (TYPICAL 30')
-  MAINTAIN 20' BETWEEN TOE OF LEVEE AND CONSTRUCTION CORRIDOR



PROPOSED SHIP DOCK #2 - PHASE 2
 SCALE: 1" = 20'



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 Metairie, LA 70002
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 Fax: 504.888.1491
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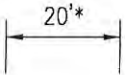
NOLA OIL TANK TERMINAL
 MYRTLE GROVE LOUISIANA

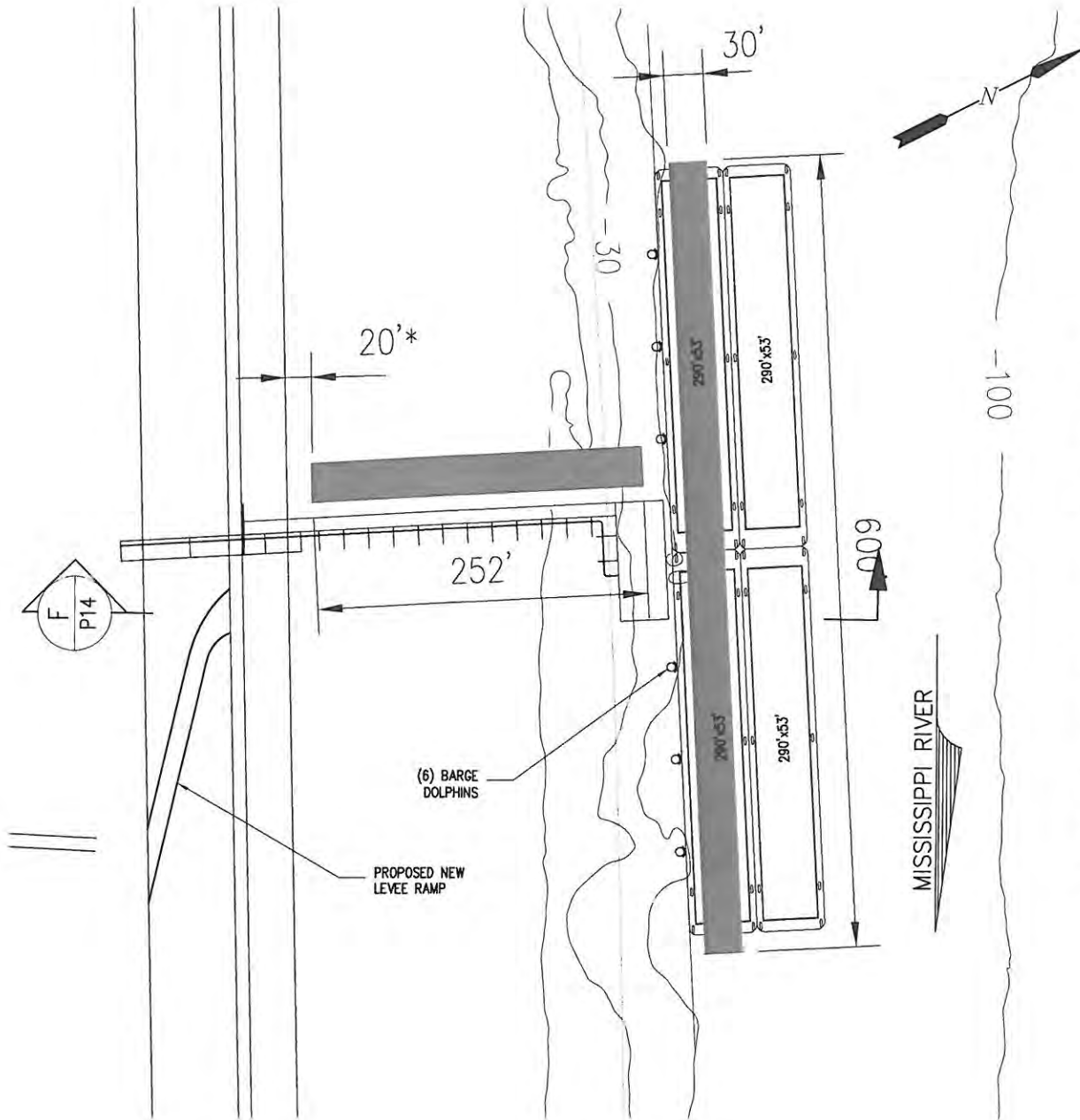
MARINE SITE PLAN
ENLARGED SITE PLAN-PHASE 2
PROPOSED SHIP DOCK #2

DATE OCT. 12
 DESIGN ARF
 DRAWN JP
 CHECK NPL
 JOB # 2012-114
 SHEET No.

10

LEGEND

-  MARINE CONSTRUCTION CORRIDOR (TYPICAL 30')
-  20'* MAINTAIN 20' BETWEEN TOE OF LEVEE AND CONSTRUCTION CORRIDOR



PROPOSED BARGE DOCK #2 -- PHASE 2
 SCALE: 1" = 10'



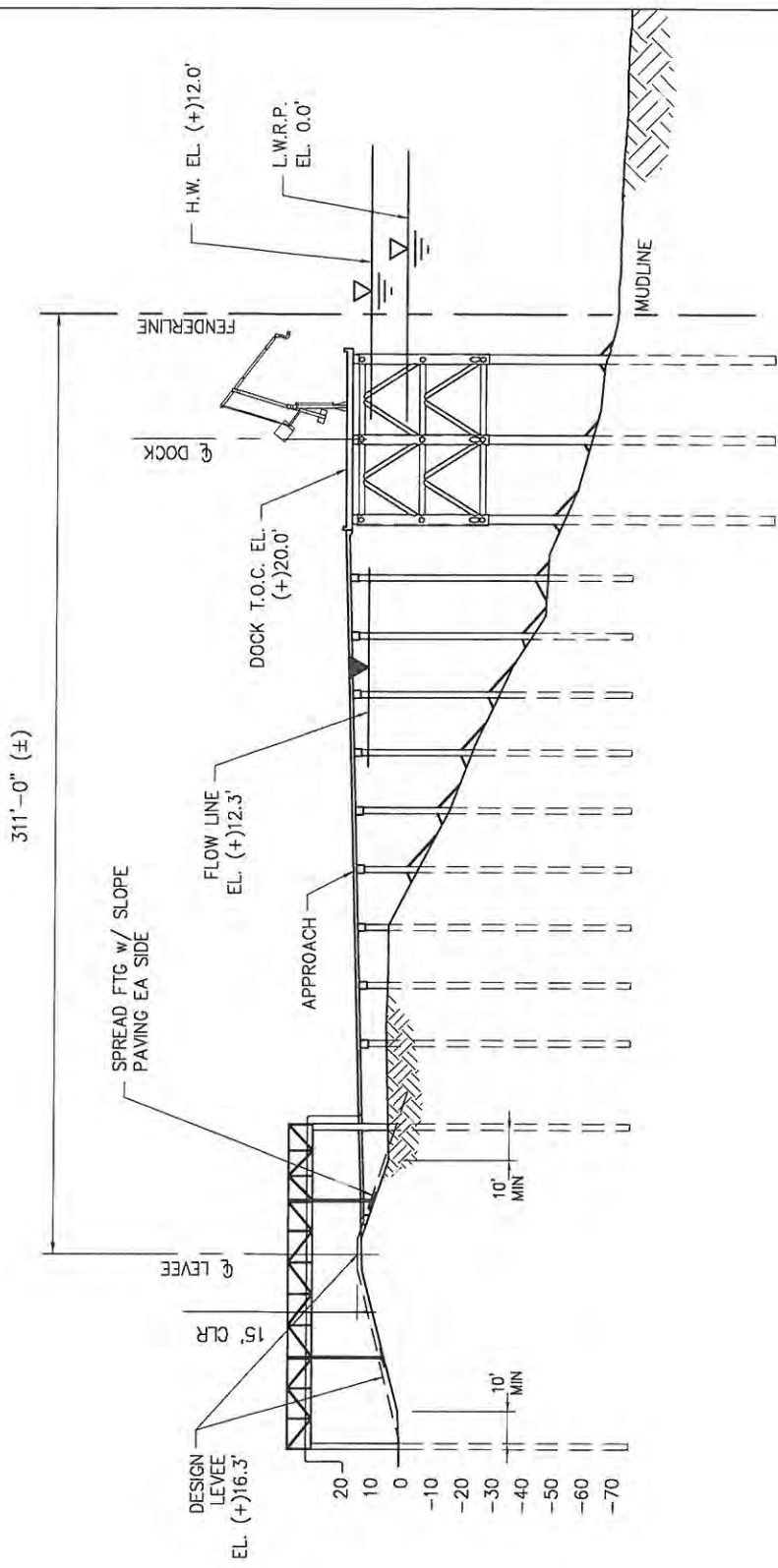
3621 Ridgelake Drive, Suite 204
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 Phone: 504.888.1490
 Fax: 504.888.1491
www.carubbaengineering.com

NOLA OIL TANK TERMINAL
 MYRTLE GROVE LOUISIANA

MARINE SITE PLAN
ENLARGED SITE PLAN-PHASE 2
PROPOSED BARGE DOCK #2

DATE OCT. 12
 DESIGN ARF
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 JOB # 2012-114
 SHEET No.

11



A
P3

TYPICAL SHIP DOCK #1 SECTION - PHASE 1

SCALE: 1" = 60'



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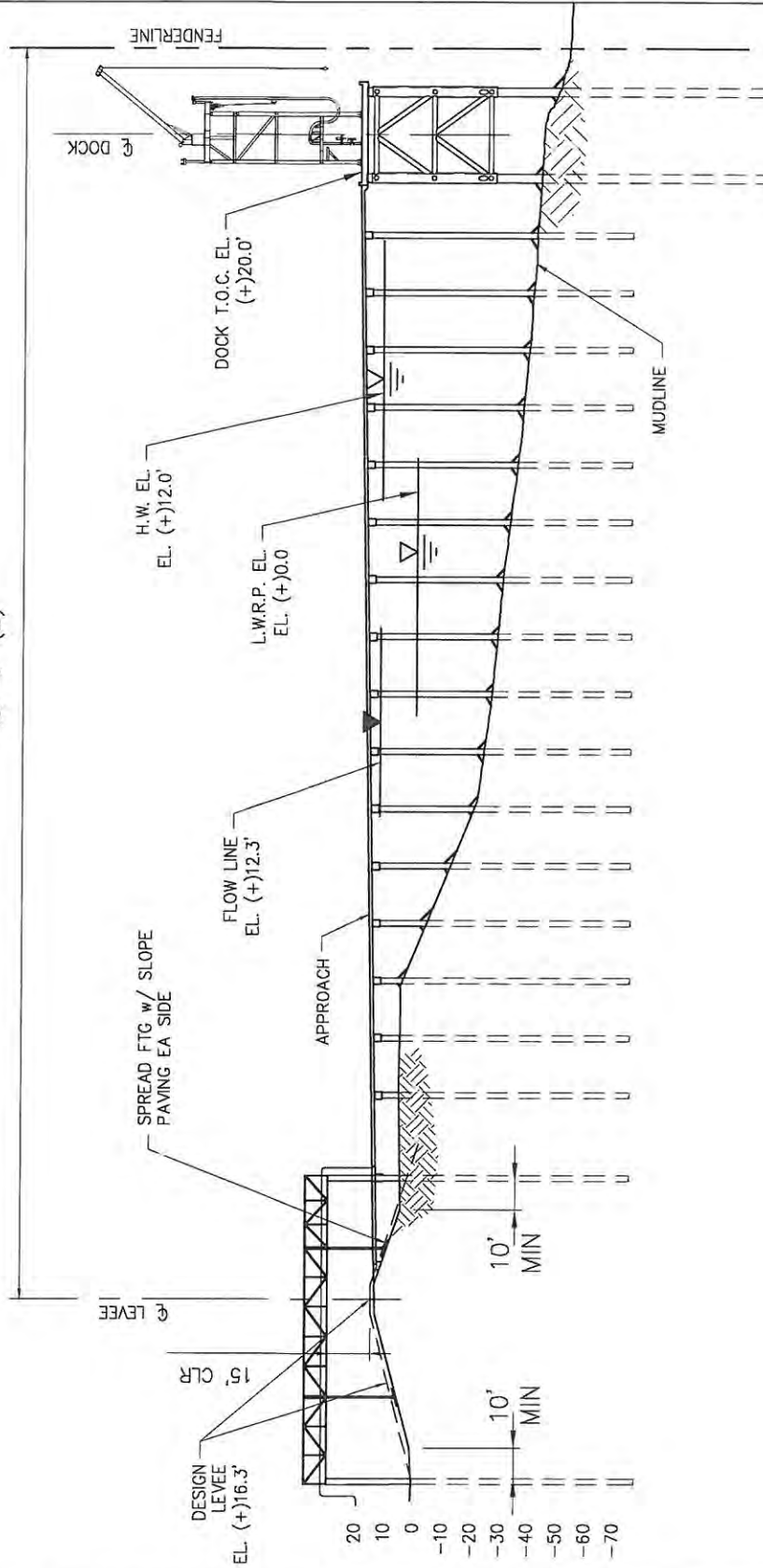
NOLA OIL TERMINAL
 MYRTLE GROVE LOUISIANA

PROPOSED NEW LIQUID TERMINAL
SHIP DOCK #1 - PHASE 1
TYPICAL SECTION

8952-P9

DATE OCT '12
 DESIGN ARF
 DRAWN JP
 CHECK NJL
 CONTRACT 8952
 SHEET No. 12

427'-6" (±)



TYPICAL BARGE DOCK #1 SECTION - PHASE 1

SCALE: 1" = 60'

B
P4

8952-P10



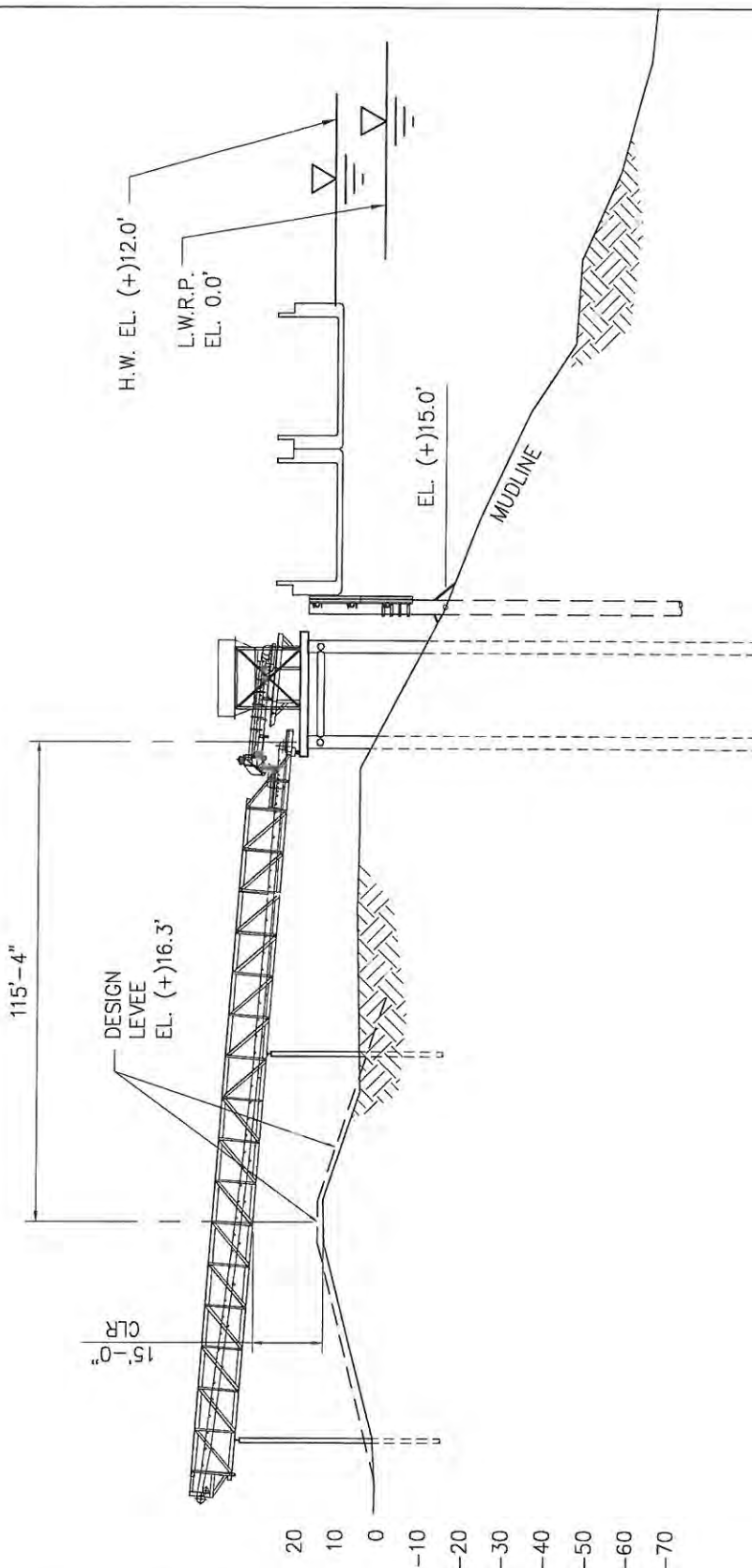
3621 Ridgelake Drive, Suite 204
 Metairie, LA 70002
 Phone: 504.888.1490
 Fax: 504.888.1491
 www.carubbaengineering.com

MYRTLE GROVE **NOLA OIL TERMINAL** LOUISIANA

**PROPOSED NEW LIQUID TERMINAL
 BARGE DOCK #1 - PHASE 1
 TYPICAL SECTION**

DATE OCT '12
 DESIGN ARF
 DRAWN JP
 CHECK NJL
 CONTRACT 8952
 SHEET No.

13



D
P5

TYPICAL MATERIAL OFFLOADING FACILITY SECTION - PHASE 1

SCALE: 1" = 50'

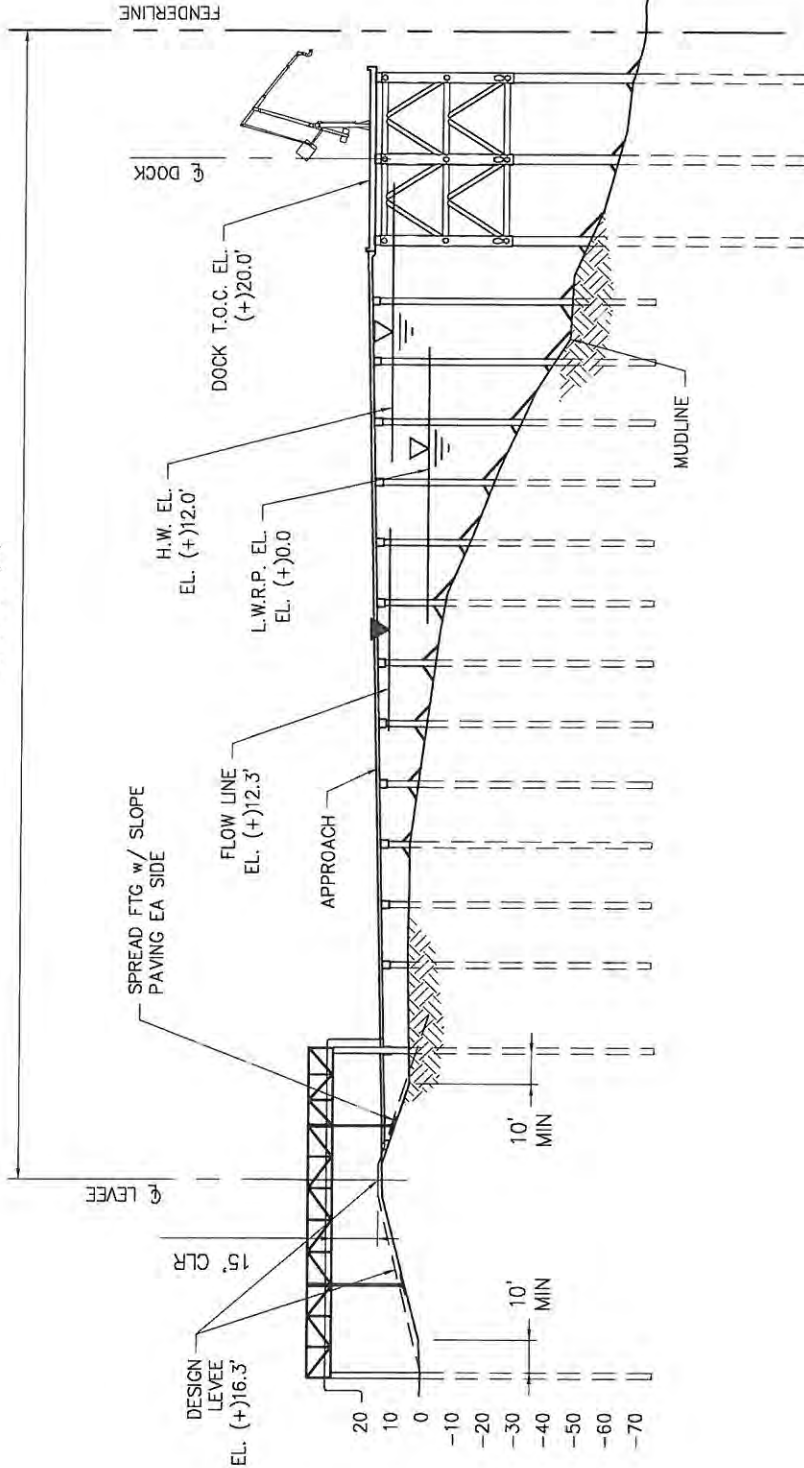


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 www.carubbaengineering.com

NOLA OIL TERMINAL
 MYRTLE GROVE LOUISIANA
PROPOSED NEW LIQUID TERMINAL
MATERIAL OFFLOADING FACILITY - PHASE 1
TYPICAL SECTION

8952-P12
 DATE OCT '12
 DESIGN ARF
 DRAWN JP
 CHECK NJL
 CONTRACT 8952
 SHEET No.
15

373'-6" (±)



TYPICAL SHIP DOCK #2 SECTION - PHASE 2

SCALE: 1" = 60'

E
P7

8952-P13



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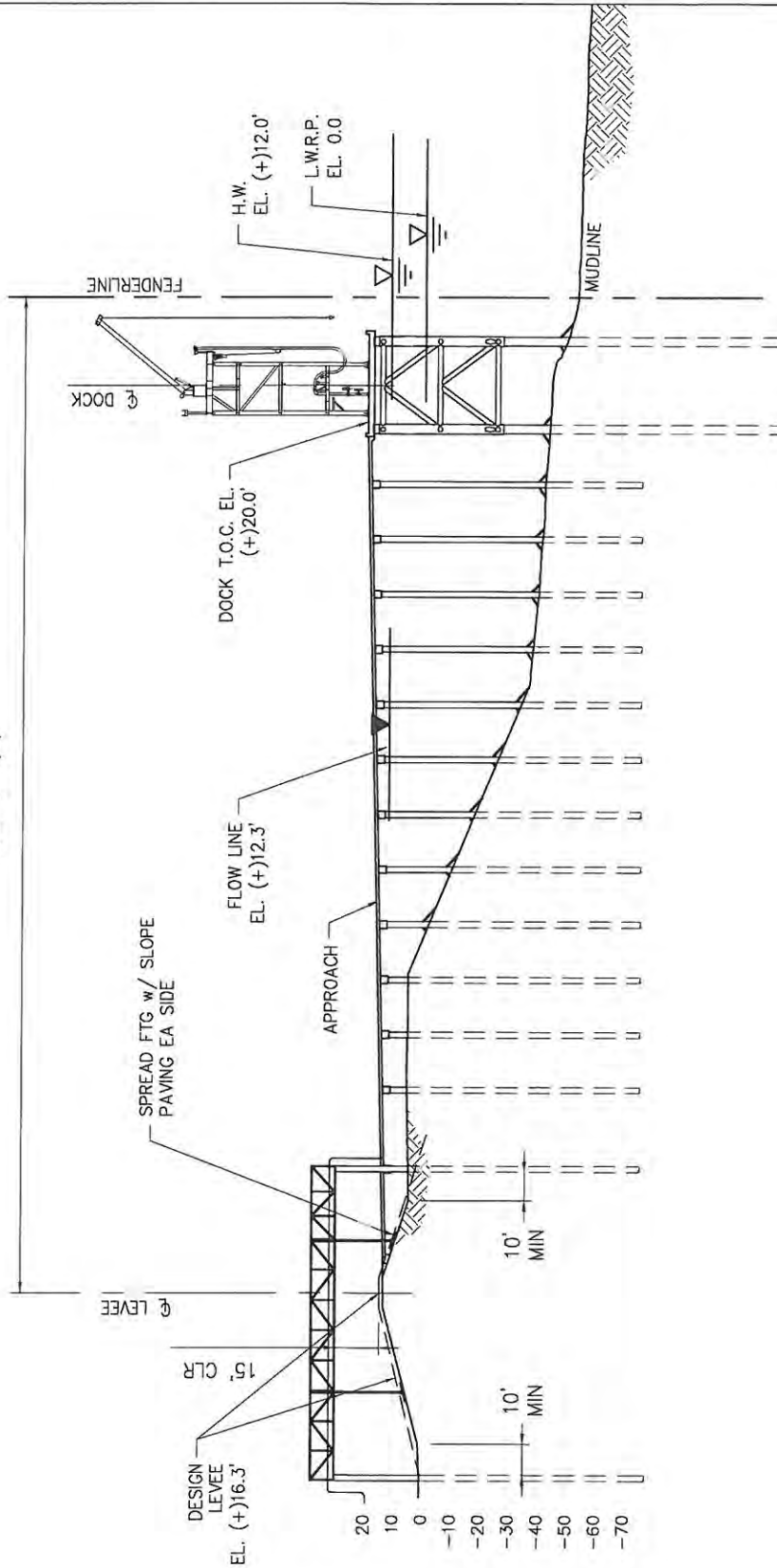
MYRTLE GROVE **NOLA OIL TERMINAL** LOUISIANA

**PROPOSED NEW LIQUID TERMINAL
 SHIP DOCK #2 - PHASE 2
 TYPICAL SECTION**

DATE OCT '12
 DESIGN ARF
 DRAWN JP
 CHECK NJL
 CONTRACT 8952
 SHEET No.

16

328'-6" (±)



F
P8

TYPICAL BARGE DOCK #2 SECTION -- PHASE 2

SCALE: 1" = 60'



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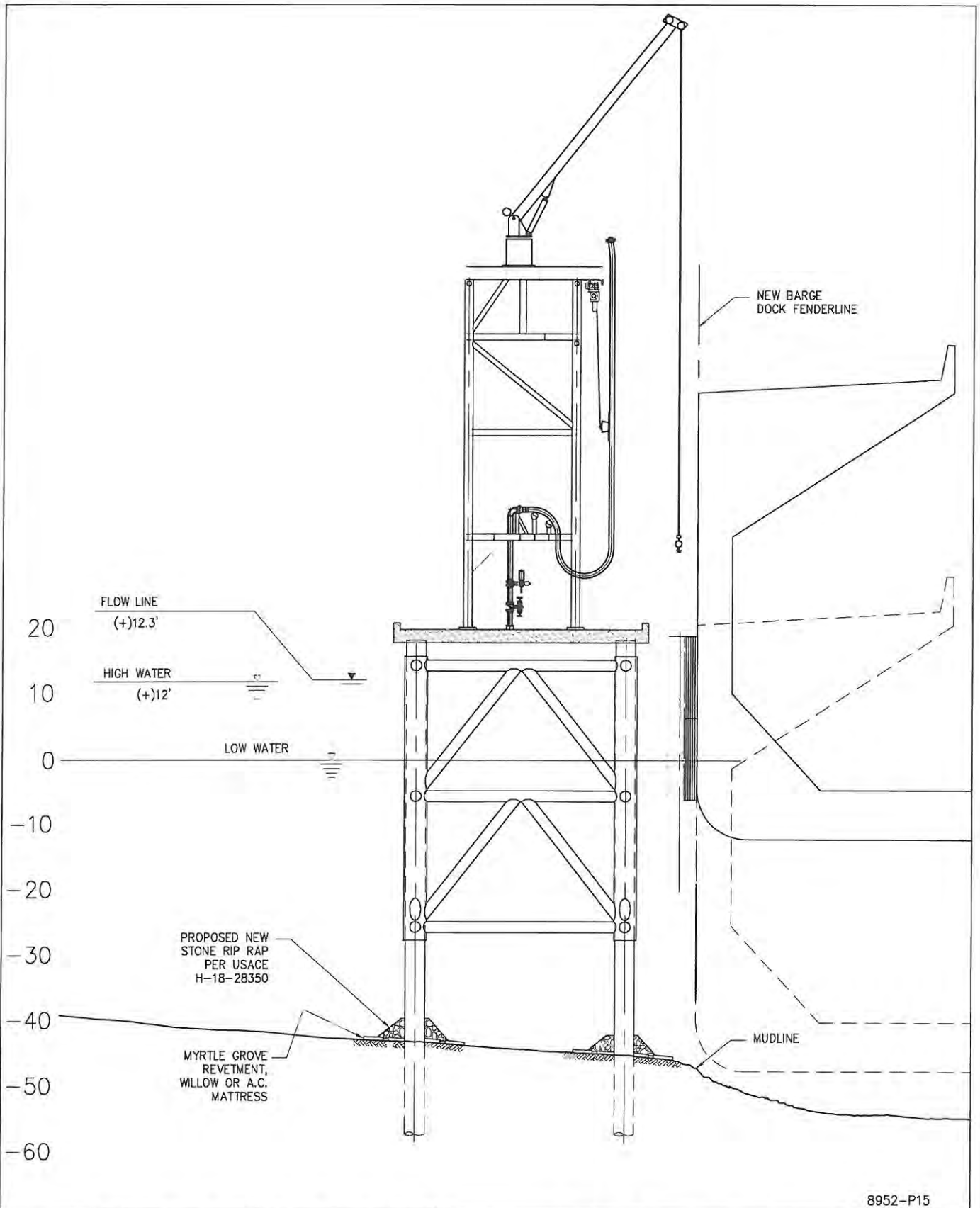
MYRTLE GROVE **NOLA OIL TERMINAL** LOUISIANA

**PROPOSED NEW LIQUID TERMINAL
 BARGE DOCK #2 - PHASE 2
 TYPICAL SECTION**

8952-P14

DATE OCT '12
 DESIGN ARF
 DRAWN JP
 CHECK NJL
 CONTRACT 8952
 SHEET No.

17



8952-P15

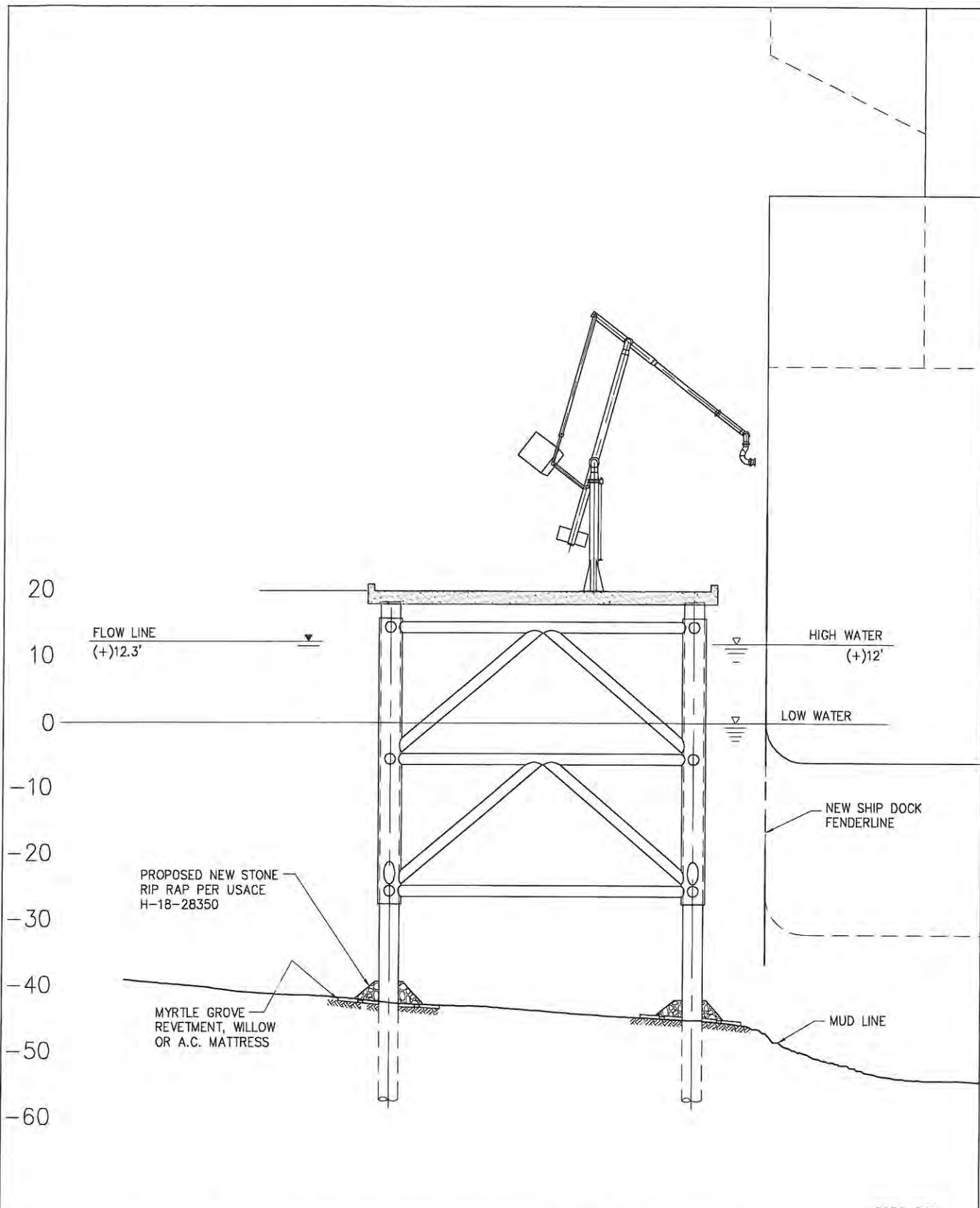


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NOLA OIL TERMINAL
 MYRTLE GROVE LOUISIANA

**PROPOSED NEW LIQUID TERMINAL
 NEW BARGE DOCK
 TYPICAL SECTION**

DATE Feb '12
 DESIGN NJL
 DRAWN JP
 CHECK NPL
 CONTRACT 8952
 SHEET No.
18



8952-P16

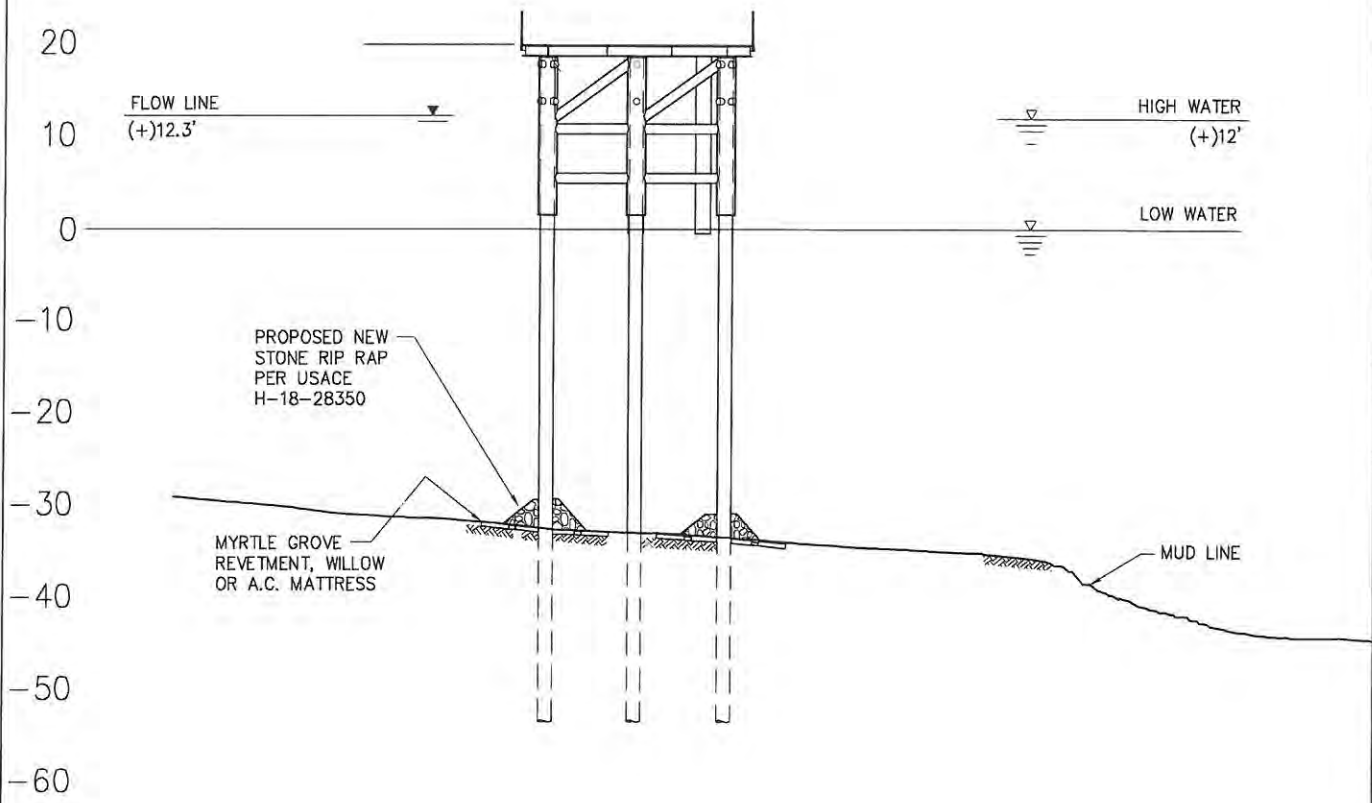


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NOLA OIL TERMINAL
 MYRTLE GROVE LOUISIANA

**PROPOSED NEW LIQUID TERMINAL
 NEW SHIP DOCK
 TYPICAL SECTION**

| | |
|-----------|-----------|
| DATE | Feb '12 |
| DESIGN | ARF |
| DRAWN | JP |
| CHECK | NPL |
| CONTRACT | 8952 |
| SHEET No. | 19 |



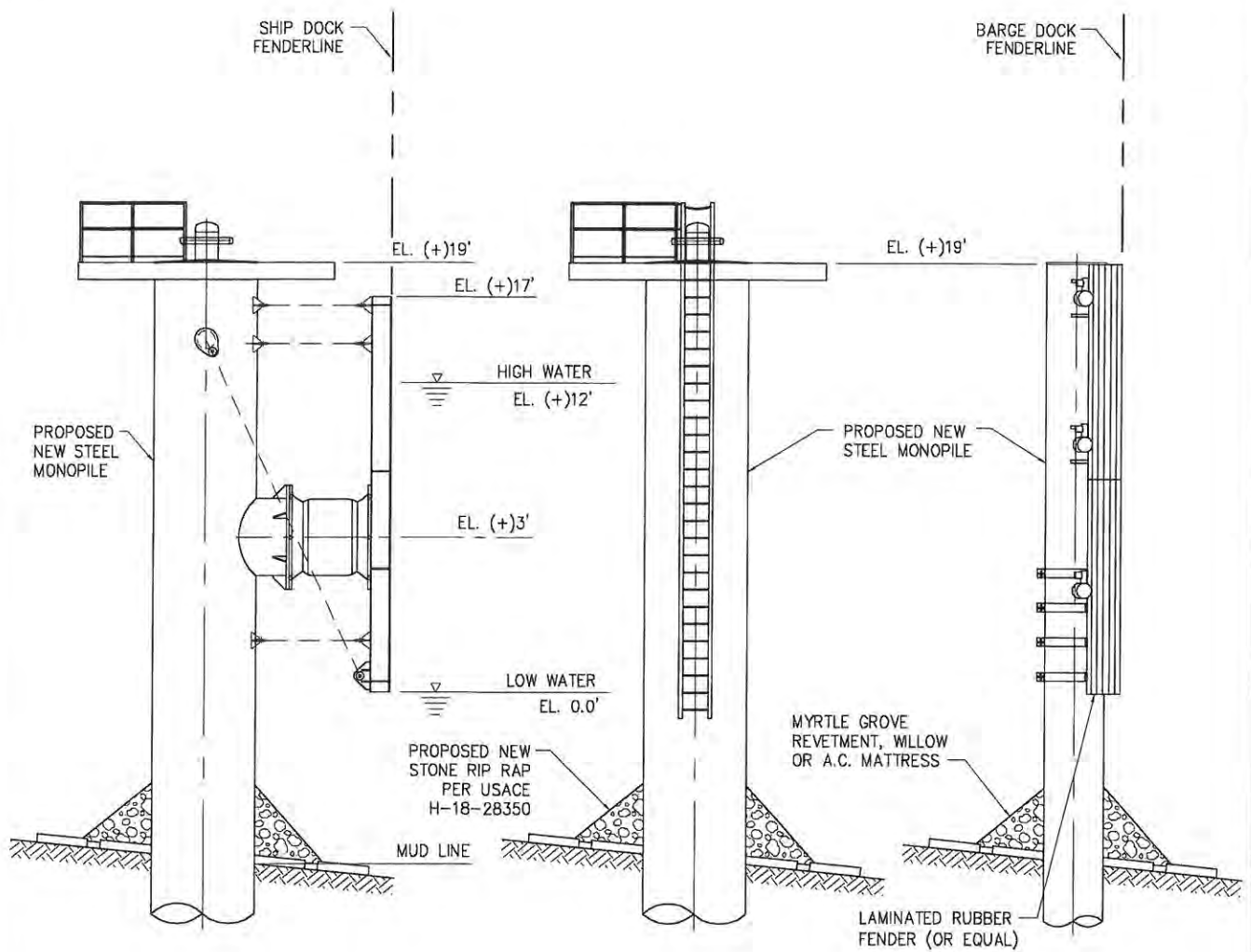
8952-P17



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NOLA OIL TERMINAL
 MYRTLE GROVE LOUISIANA
PROPOSED NEW LIQUID TERMINAL
NEW PUMP PLATFORM
TYPICAL SECTION

DATE Feb '12
 DESIGN ARF
 DRAWN JP
 CHECK NPI
 CONTRACT 8952
 SHEET No.
20



PROPOSED NEW BREASTING DOLPHIN

SCALE: N.T.S.

PROPOSED NEW MOORING DOLPHIN

SCALE: N.T.S.

PROPOSED NEW BARGE DOLPHIN

SCALE: N.T.S.

8952-P18

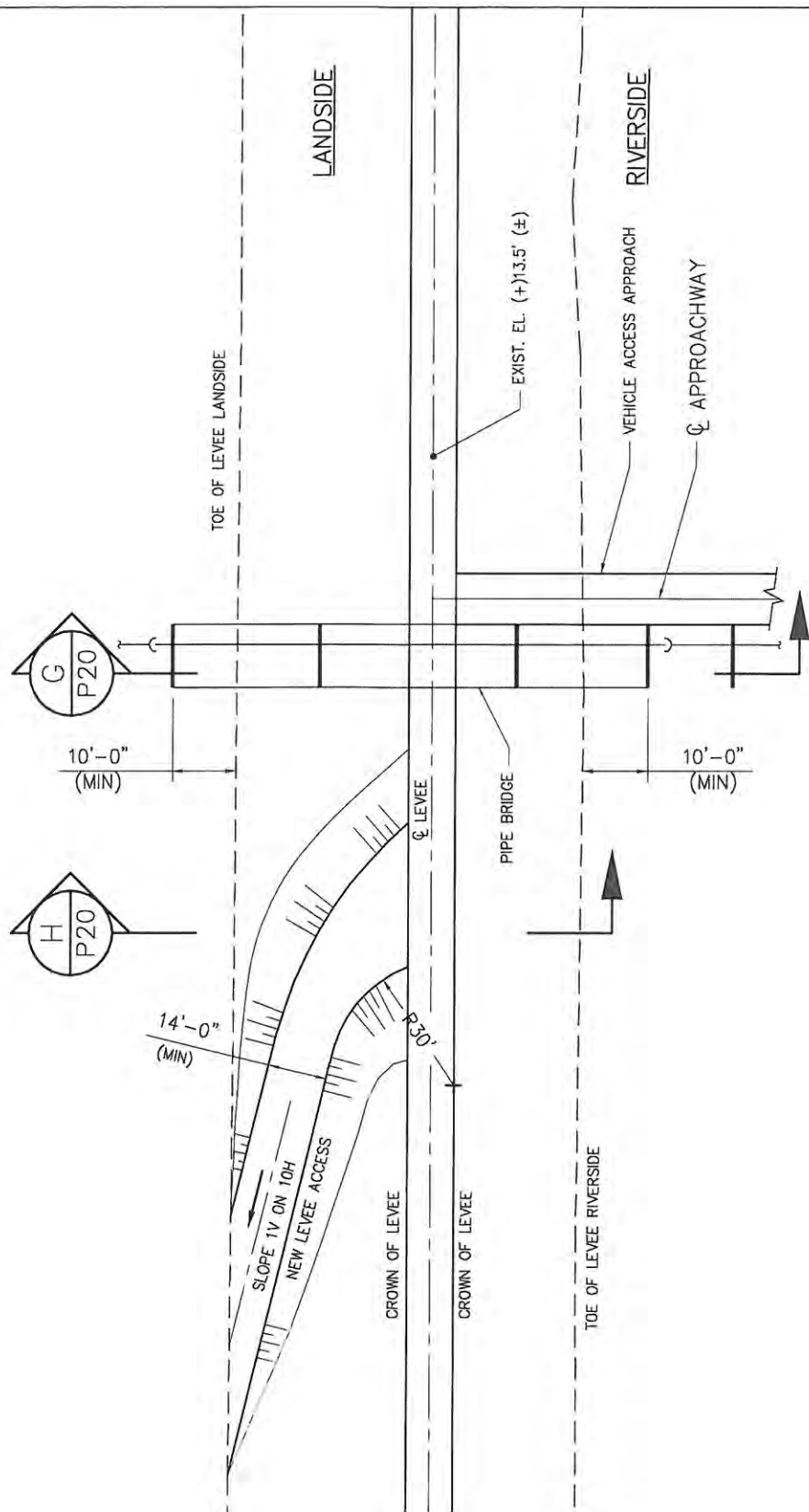


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NOLA OIL TERMINAL
MYRTLE GROVE LOUISIANA

**PROPOSED NEW LIQUID TERMINAL
NEW DOCK
DOLPHINS**

DATE Feb '12
DESIGN NJL
DRAWN JP
CHECK NJL
CONTRACT 8952
SHEET No.
21



ENLARGED LEVEE CROSSING PLAN

SCALE: 1" = 40'

8952-P19

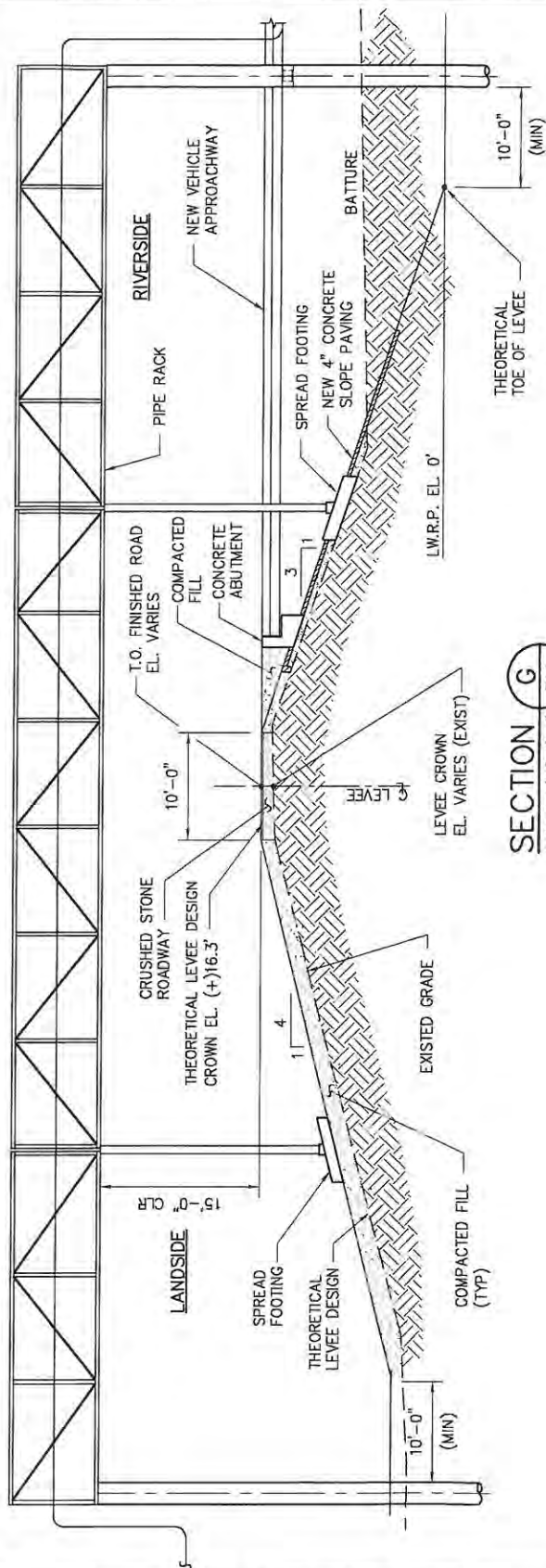


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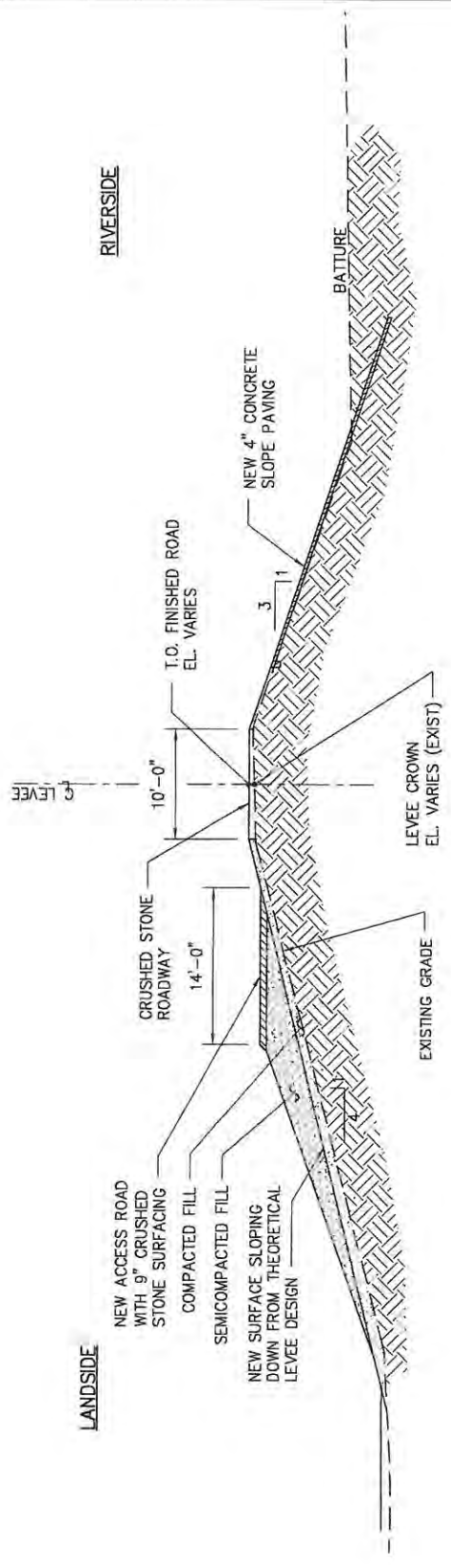
NOLA OIL TERMINAL
 MYRTLE GROVE LOUISIANA

**PROPOSED NEW LEVEE CROSSING
 LEVEE CROSSING PLAN**

DATE OCT '12
 DESIGN ARF
 DRAWN JJF
 CHECK NJL
 CONTRACT 8952
 SHEET No.
22



SECTION G
SCALE: 1/16"=1'-0" P19



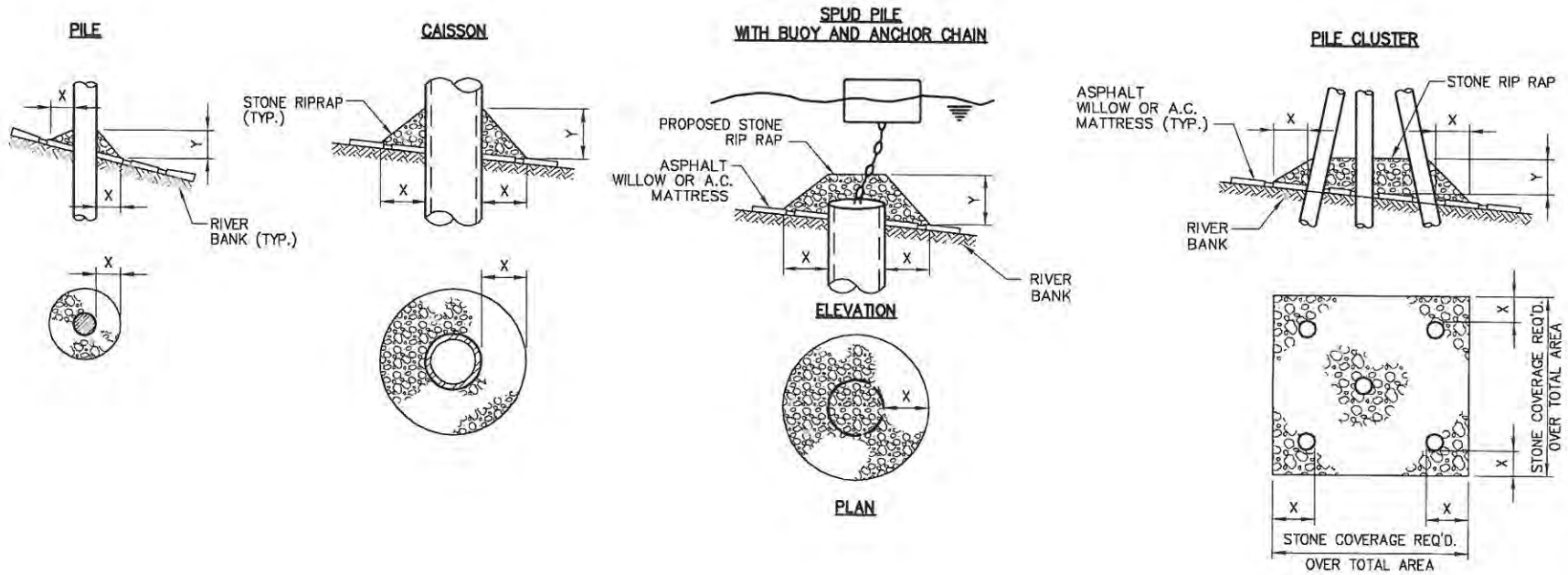
SECTION H
SCALE: 1/16"=1'-0" P19



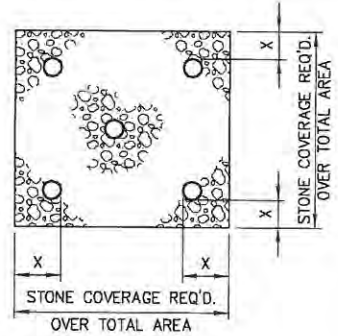
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NOLA OIL TERMINAL
MYRTLE GROVE LOUISIANA
**PROPOSED NEW LIQUID TERMINAL
LEVEE CROSSING SECTIONS**

8952-P20
DATE OCT '12
DESIGN ARF
DRAWN JJF
CHECK NJL
CONTRACT 8952
SHEET No.
23



- NOTES:**
1. SIZE OF RIPRAP TO VARY BETWEEN 6 POUNDS AND 125 POUNDS WITH 40% TO 60% OF THE STONE WITHIN THE RANGE OF 25 POUNDS TO 75 POUNDS.
 2. WHEN PENETRATING UPPER BANK PAVING IN A REVETMENT AREA WITH PILES, CAISSONS AND/OR PILE CLUSTERS, A 10 INCH THICKNESS OF RIPRAP STONE SHALL BE PLACED OVER ALL AREAS WHERE BANK PAVING IS DISTURBED BY DRIVING OPERATIONS.
 3. WHEN USING ANCHOR CHAIN AND BUOY SYSTEM ANCHOR CHAIN MUST BE ATTACHED AT TOP OF PILE TO MINIMIZE REVETMENT DAMAGE.

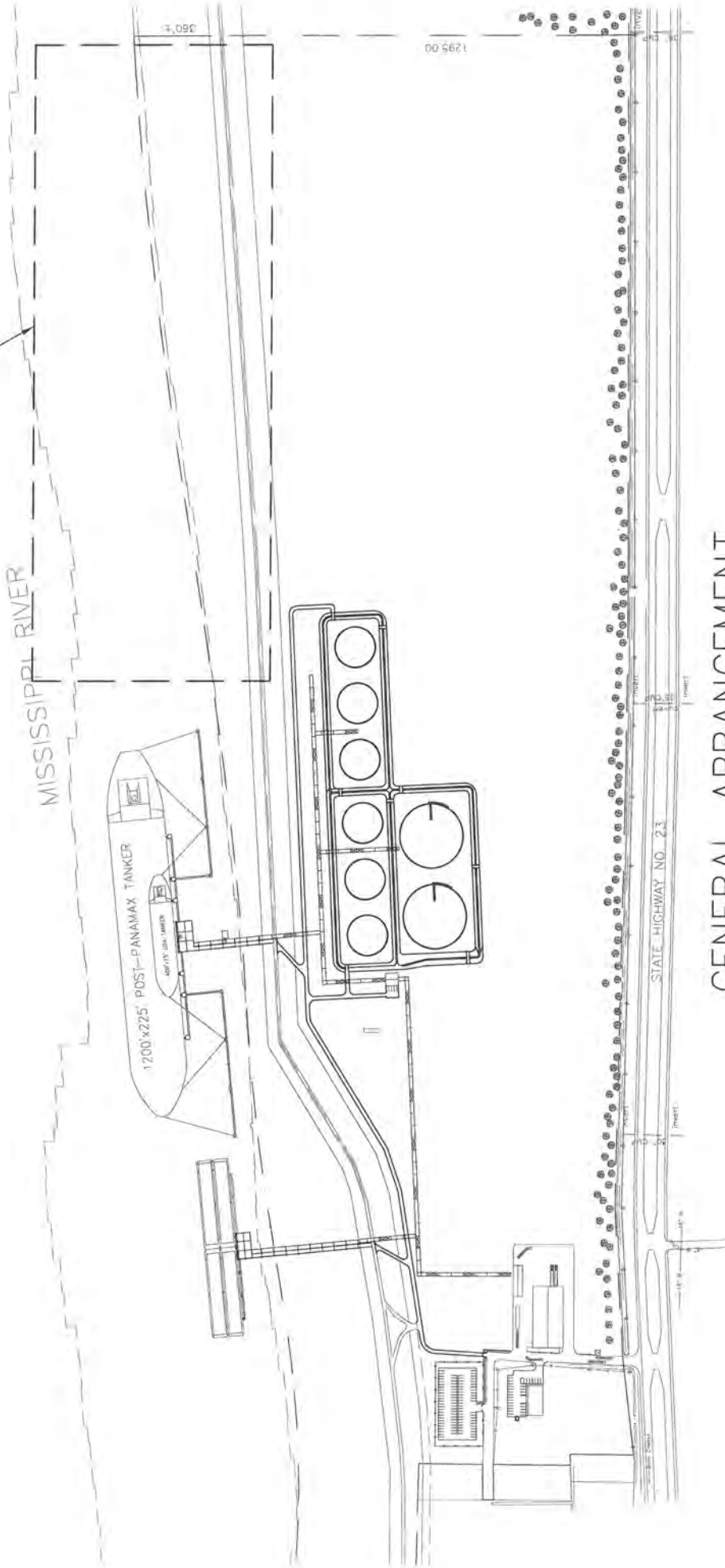


| DEPTH OF WATER IN FEET AT POINT OF PENETRATION AT TIME OF STONE PLACEMENT | DIMENSIONS IN FEET FOR PROTECTION AREA REQUIRED | | | | | | | |
|---|---|-------|---------|---|----------------------------------|---|--------------|---|
| | PILE | | CAISSON | | SPUD PILE W/ ANCHOR CHAIN & BUOY | | PILE CLUSTER | |
| | X | Y | X | Y | X | Y | X | Y |
| 1 TO 10 | 3 | 1 1/2 | 5 | 2 | | | 3 | 1 |
| 11 TO 40 | 5 | 2 | 8 | 3 | 7 | 3 | 6 | 2 |
| 41 TO 60 | 8 | 3 | 12 | 4 | 12 | 4 | 10 | 3 |

CIVIL STRUCTURAL CARUBBA ENGINEERING
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REPAIR PROCEDURES REQUIRED WHEN PENETRATING REVETMENTS WITH PILES, CAISSONS AND/OR PILE CLUSTERS
 U.S. ARMY ENGINEERS DISTRICT, NEW ORLEANS CORPS OF ENGINEERS
 DEC. 1987 FILE NO. H-18-28350

REMOVE BARGE FLEETING AS PER USACE, MNSA, AND CRESCENT RIVER PILOTS.



GENERAL ARRANGEMENT

SCALE: 1" = 40'

| MARK | DESCRIPTION | DATE | BY |
|------|--------------|----------|-----|
| A | FOR APPROVAL | 05/13/13 | RMC |



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Plaquemine NOLA Oil Terminal LOUISIANA
Proposed Marine Liquid Storage Facility
17777 HWY. 23
GENERAL ARRANGEMENT

| | |
|-----------------|----------|
| PLOT DATE | 05/06/13 |
| DRAWN | DW |
| CHECKED | RMC |
| DATE | 05/13 |
| CEI PROJECT NO. | 2012-114 |
| SHEET | |

MP 1.0