

Legend

Project Area

2,000 1,000 0 2,000
Feet

Reference

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

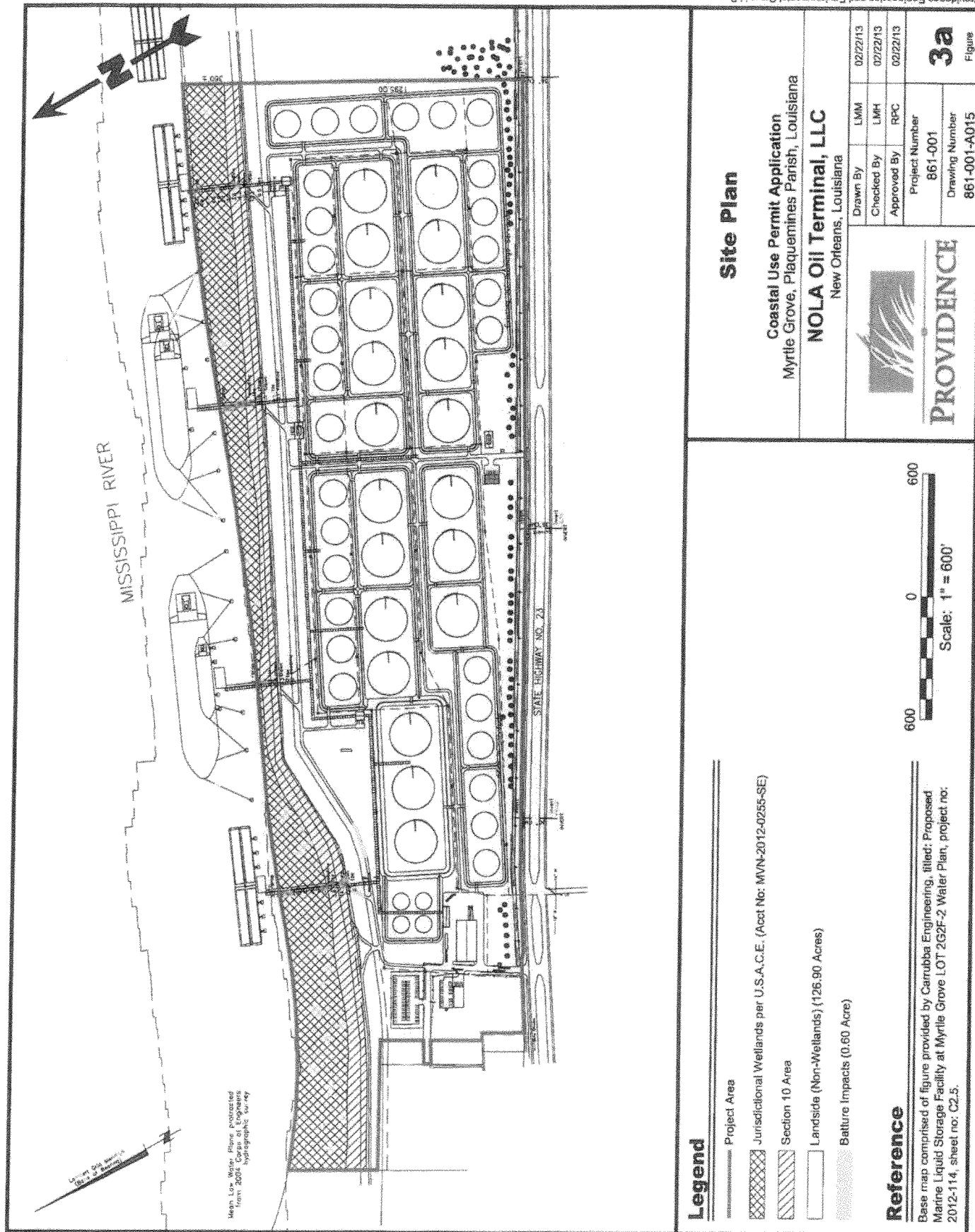
Site Location Map

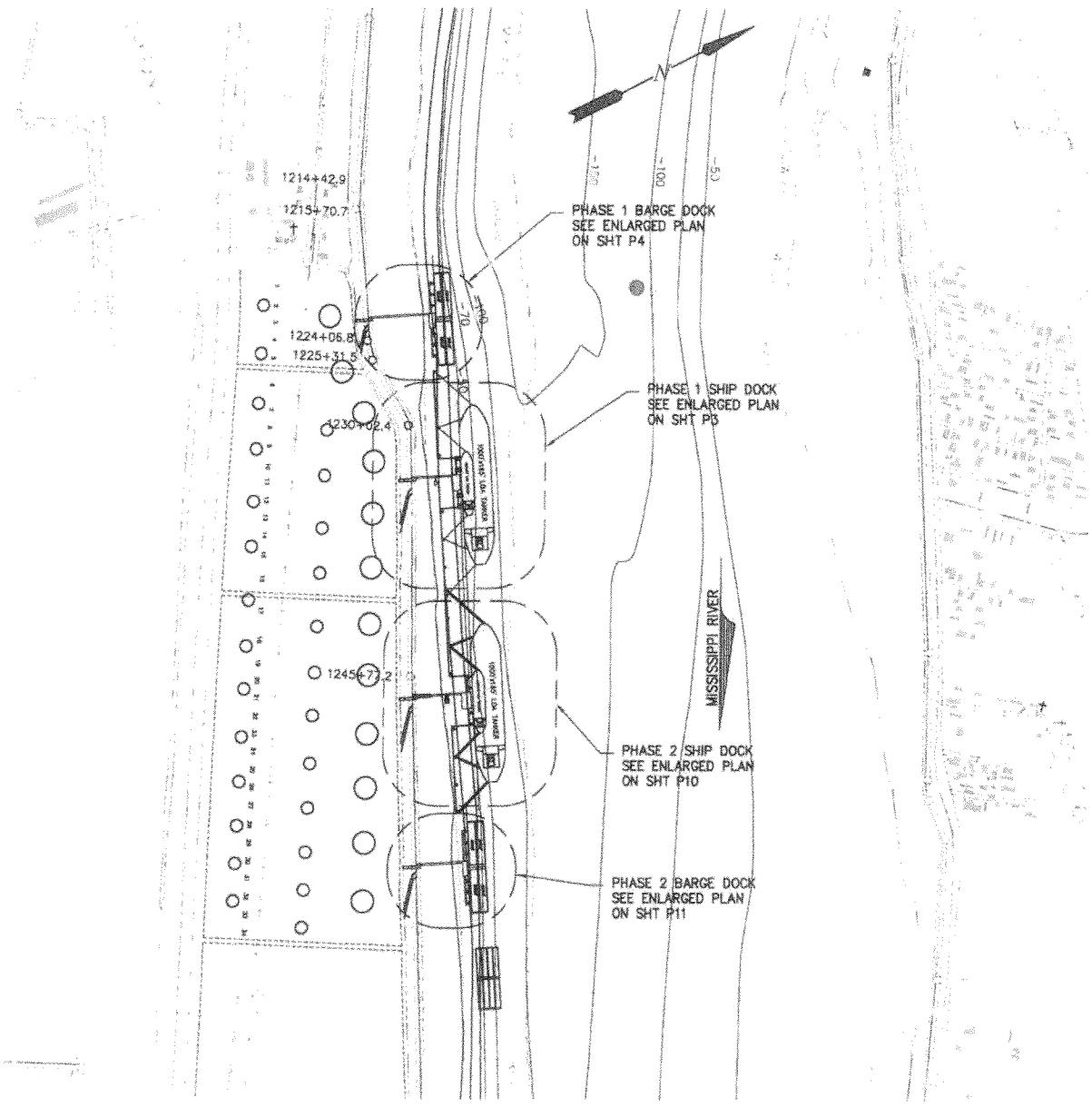
Coastal Use Permit Application
Myrtle Grove, Plaquemines Parish, Louisiana

NOLA Oil Terminal, LLC
New Orleans, Louisiana



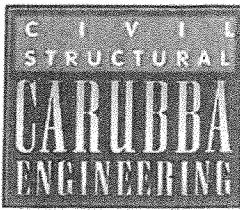
Drawn By	LMM	02/22/13
Checked By	LMH	02/22/13
Approved By	LAW	02/22/13
Project Number		
861-001		2
Drawing Number		Figure
861-001-A014		





SITE MAP

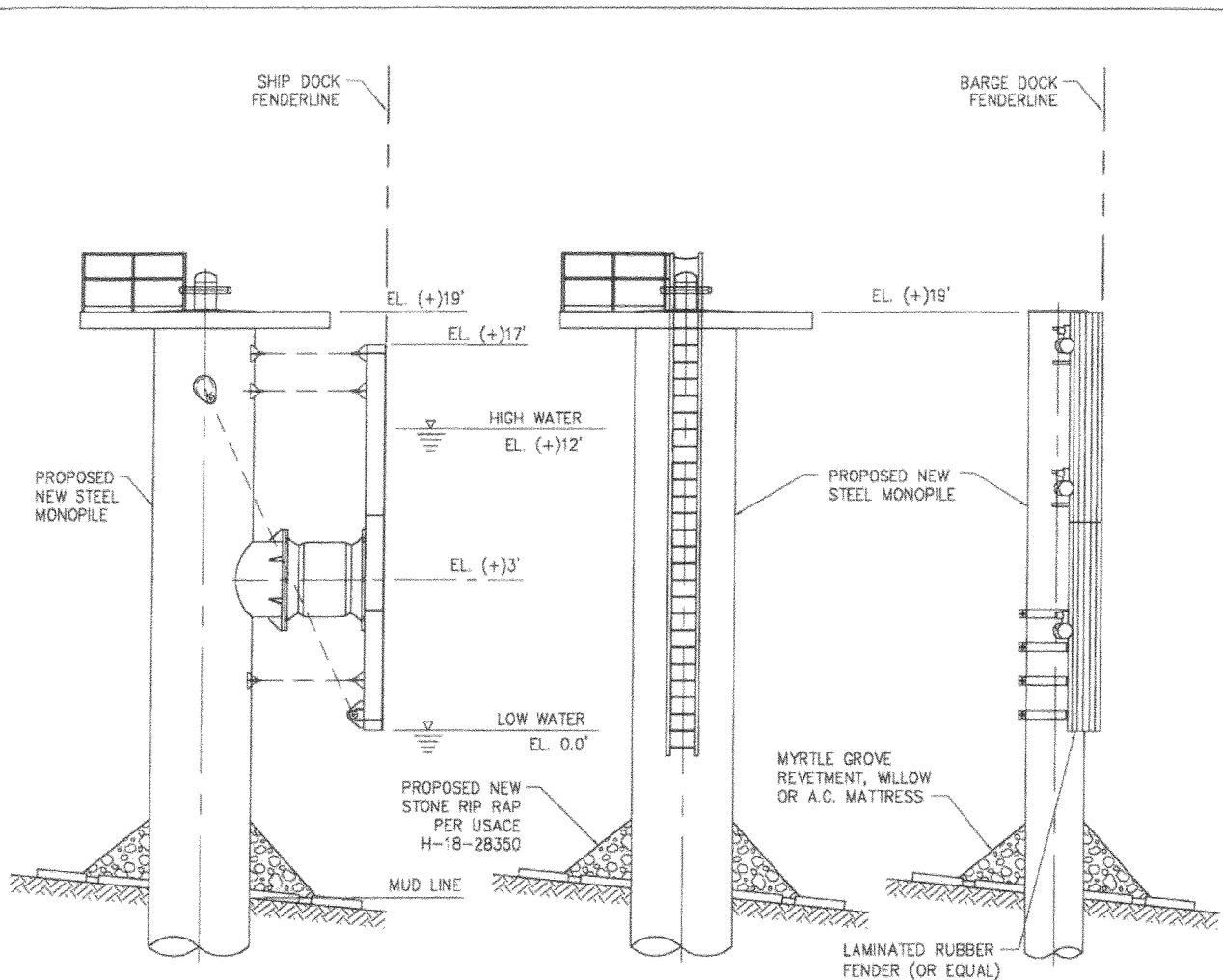
SCALE: 1" = 80'



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	
PROPOSED NEW LIQUID TERMINAL	
PHASE 2	

DATE OCT. 12
DESIGN ARF
DRAWN JP
CHECK NPL
JOB # 2012-114
SHEET No. 9



PROPOSED NEW
BREASTING DOLPHIN

SCALE: N.T.S.

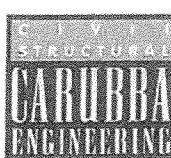
PROPOSED NEW
MOORING DOLPHIN

SCALE: N.T.S.

PROPOSED NEW
BARGE DOLPHIN

SCALE: N.T.S.

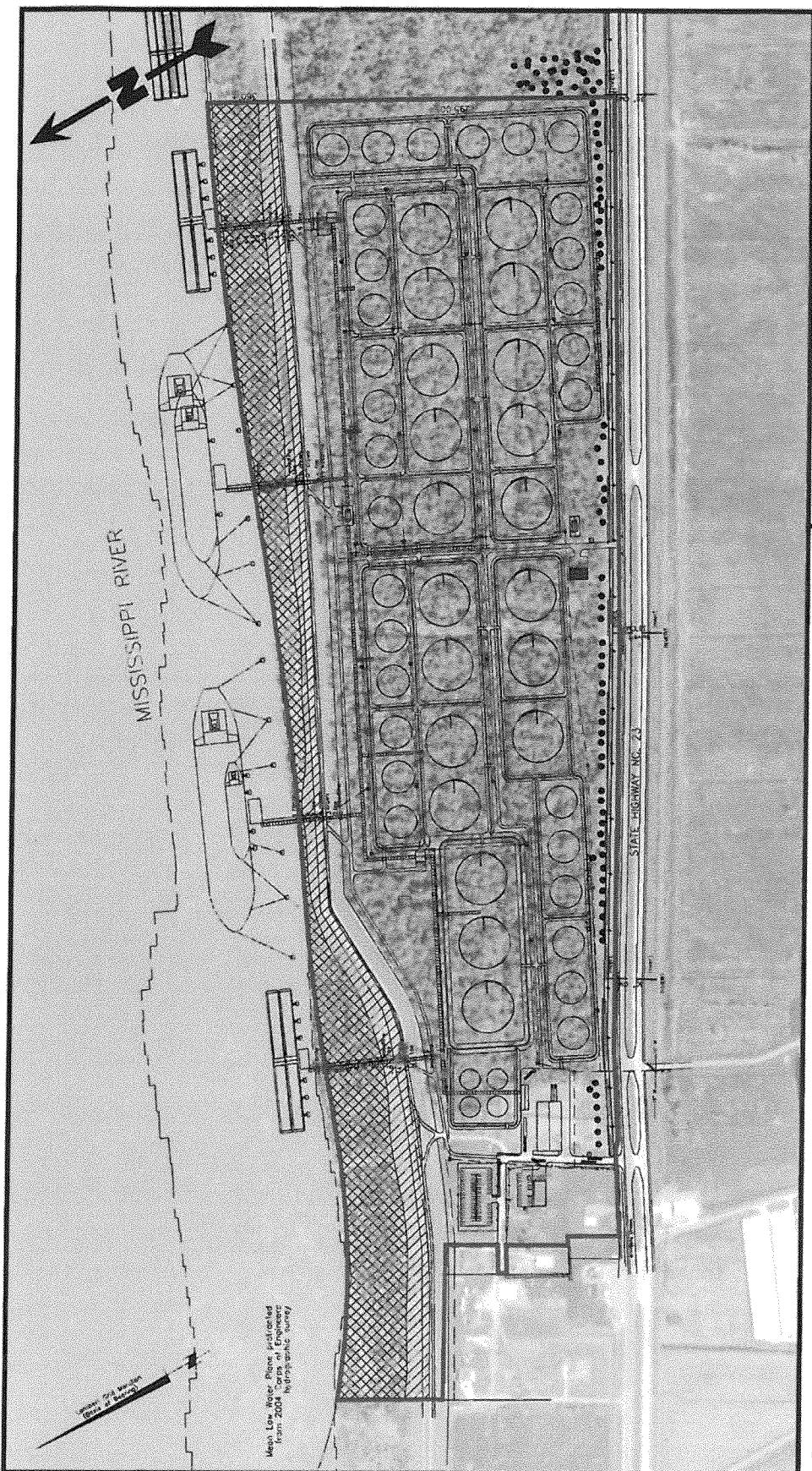
8952-P18



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

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



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 Acres)

Reference

Base map comprised of figure provided by Carrubba Engineering, titled: Proposed Marine Liquid Storage Facility at Myrtle Grove LOT 2G2E-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

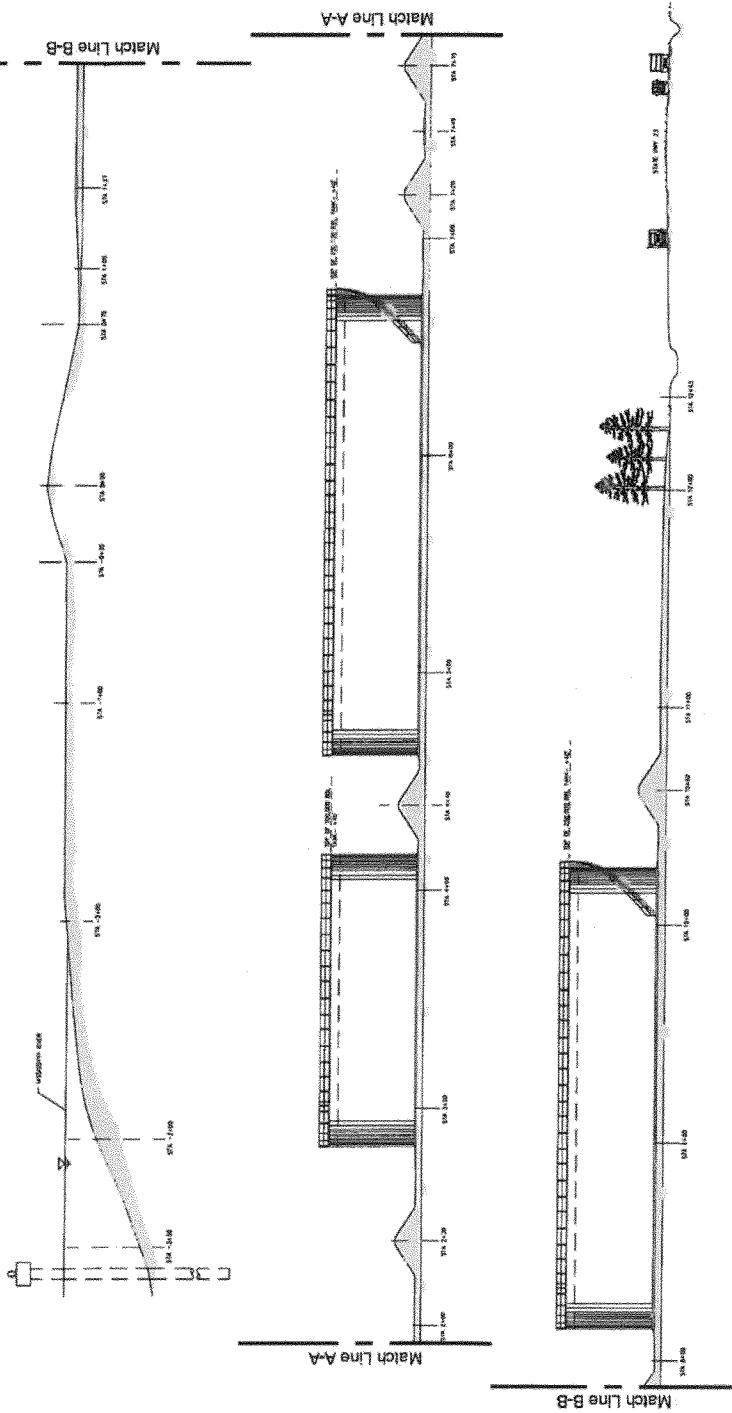
New Orleans, Louisiana



PROVIDENCE



Drawn By	LMM	02/22/13
Checked By	LMH	02/22/13
Approved By	RPC	02/22/13
Project Number	861-001	3b
Drawing Number	861-001-A016	Figure



Reference

Base map comprised of Carubba Engineering figure, titled: Proposed Marine Liquid Storage Facility at Myrtle Grove, Lot 2G2F-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

Checked By: LMH

Approved By: RPC

Project Number: 861-001

PROVIDENCE

4

Figure

ELE. 7-100 SPURDOL SECTION THROUGH SITE					
No.	SECTION NAME	SECTION NUMBER	SECTION DESCRIPTION	SECTION TYPE	SECTION ELEVATION
1-100	UP	1-100	SECTION UP TO SPUR	SUR	SLF
1-100	DOWN	1-100	SECTION DOWN TO SPUR	SUR	SLF
1-100	FRONT	1-100	SECTION FRONT TO EXISTING	FRT	SLF
1-100	Rear	1-100	SECTION REAR TO EXISTING	RAR	SLF
1-100	Left	1-100	SECTION LEFT TO EXISTING	LFT	SLF
1-100	Right	1-100	SECTION RIGHT TO EXISTING	RHT	SLF
1-100	Top	1-100	SECTION TOP TO EXISTING	TOP	SLF
1-100	Bottom	1-100	SECTION BOTTOM TO EXISTING	BOT	SLF
1-100	Up Left	1-100	SECTION UP LEFT TO EXISTING	ULFT	SLF
1-100	Up Right	1-100	SECTION UP RIGHT TO EXISTING	URFT	SLF
1-100	Down Left	1-100	SECTION DOWN LEFT TO EXISTING	DLFT	SLF
1-100	Down Right	1-100	SECTION DOWN RIGHT TO EXISTING	DRFT	SLF
1-100	Front Left	1-100	SECTION FRONT LEFT TO EXISTING	FLFT	SLF
1-100	Front Right	1-100	SECTION FRONT RIGHT TO EXISTING	FRFT	SLF
1-100	Back Left	1-100	SECTION BACK LEFT TO EXISTING	BLFT	SLF
1-100	Back Right	1-100	SECTION BACK RIGHT TO EXISTING	BRFT	SLF
1-100	Top Left	1-100	SECTION TOP LEFT TO EXISTING	TLLFT	SLF
1-100	Top Right	1-100	SECTION TOP RIGHT TO EXISTING	TRFT	SLF
1-100	Bottom Left	1-100	SECTION BOTTOM LEFT TO EXISTING	BLLFT	SLF
1-100	Bottom Right	1-100	SECTION BOTTOM RIGHT TO EXISTING	BRFT	SLF

80
0
80

Scale: 1" = 80'

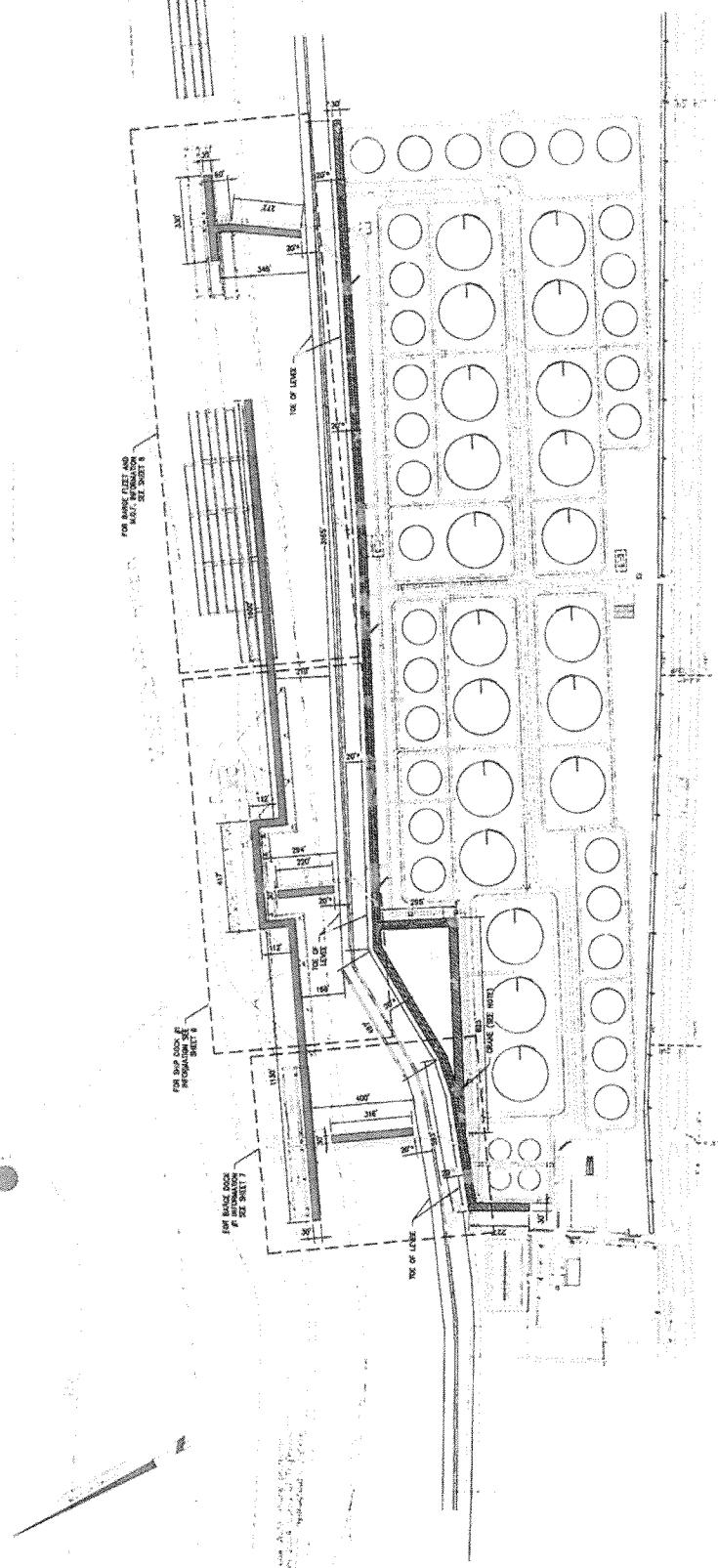
CONSTRUCTION CRANE CORRIDOR			
Proposed Marine Liquid Storage Facility at Myrtle Grove			LOT 2G2F-2
NOLA OIL TERMINAL, LLC			LODGING
NAME	DESIGNATION	DATE	REVISION
A. TOLLYMAN	PROJ. MANAGER	03/07/2023	MNC

NOTES:

1) CHANCE SMALL, VEHICLE THE BY TRUCK, TRAILER, TRAIN, SMALL TRAVEL CRANE OVER 40 FEET HIGH, CRANE SHALL BE MAX. LENGTH OF 140 FEET, 100% CONSTRUCTION CORRIDOR, MAXIMUM LOAD OF CRANE IS 20 TONS.
2) CRANE IS APPROVED TO USE 100% CONSTRUCTION CORRIDOR WITH TOP 100 FT FROM THE GROUND (DECK LEVEL) 100 TONS.
3) CRANE, SMALL, TRAVEL IN CONSTRUCTION CORRIDOR

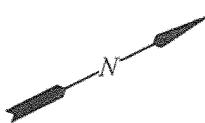
LEGEND:

LAND CONSTRUCTION CORRIDOR (TOTAL 30')
MARINE CONSTRUCTION CORRIDOR (TOTAL 30')
NO CONSTRUCTION CORRIDOR

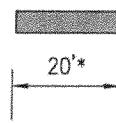


CONSTRUCTION CRANE CORRIDOR
SCALE 1:200-4

DRAWING NUMBER		
REVISION	DRWNS	CD
DK	CHECKED	CD
RSV	REVIEWED	CD
TS	TRIMMED	CD
CD PROJECT NO.	2023-14	
SHEET	5	

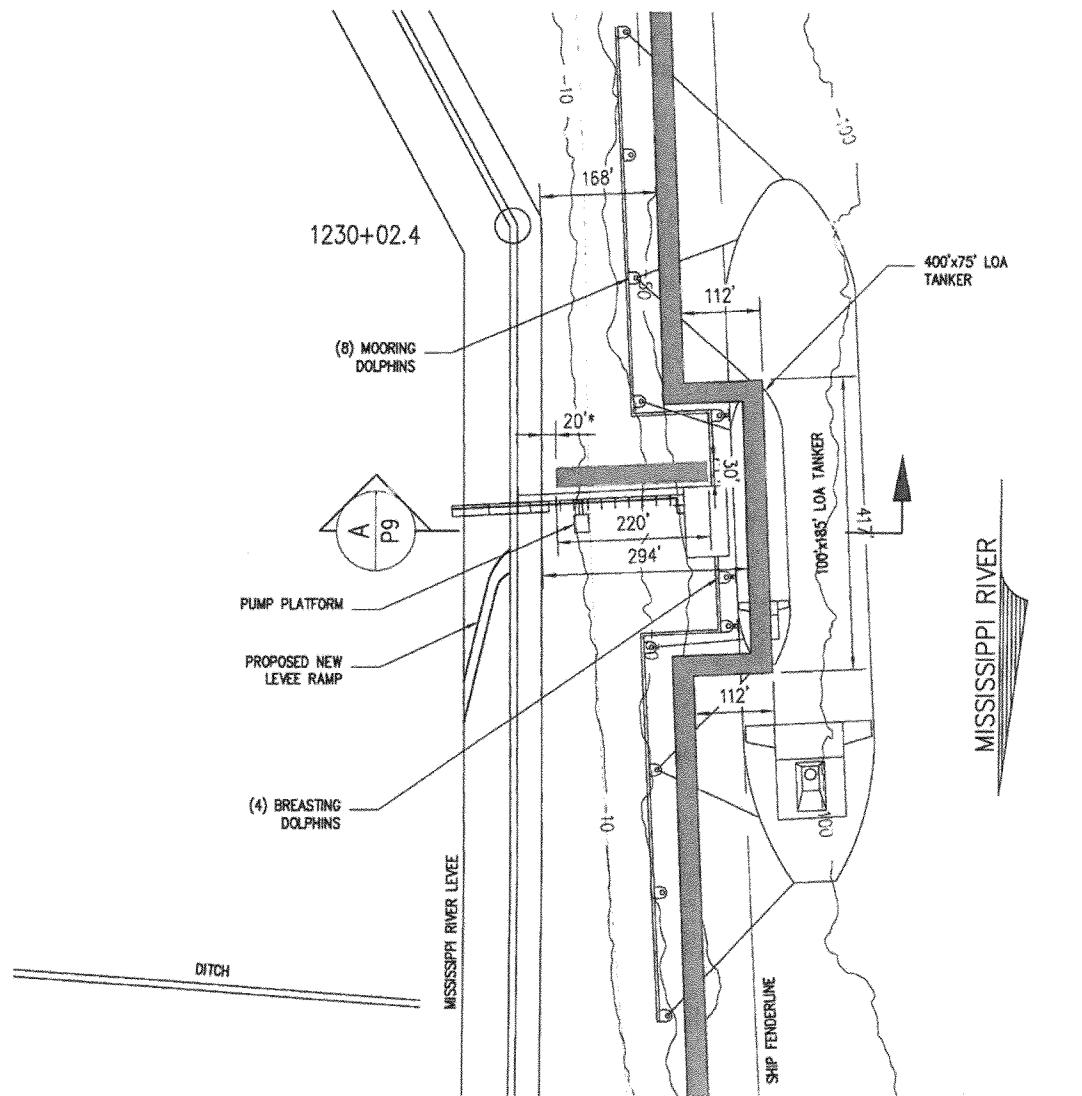


LEGEND



MARINE CONSTRUCTION CORRIDOR (TYPICAL 30')

MAINTAIN 20' BETWEEN TOE OF LEVEE AND CONSTRUCTION CORRIDOR



PROPOSED SHIP DOCK #1 - PHASE 1

SCALE: 1" = 20'

CIVIL
STRUCTURAL
CARUBBA
ENGINEERING

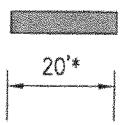
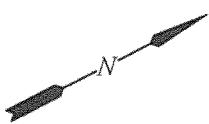
3621 Ridgelake Drive, Suite 204
Metairie, LA 70002
Phone: 504.888.1490
Fax: 504.888.1491
www.carubbaengineering.com

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.	

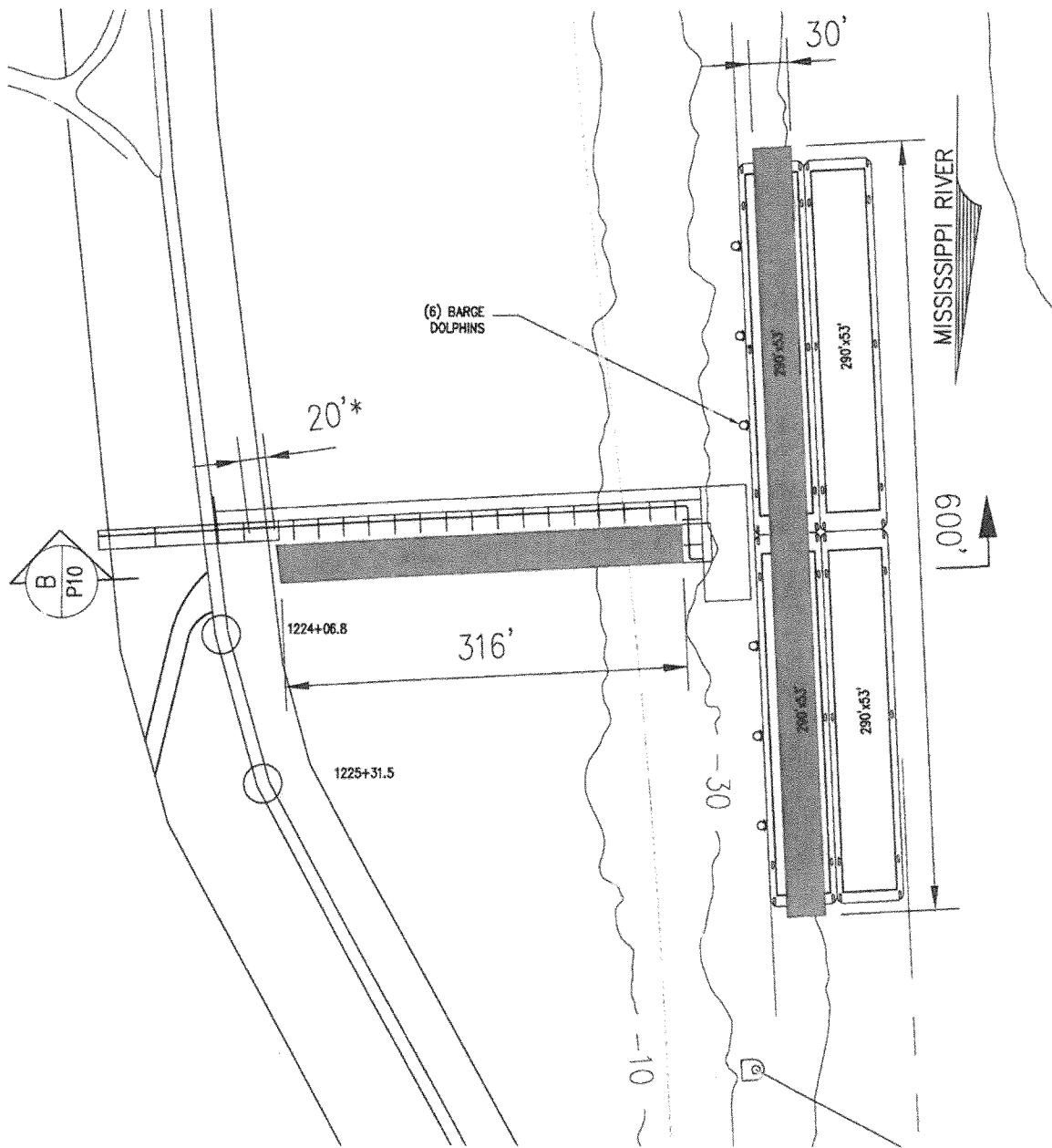
6

LEGEND



MARINE CONSTRUCTION CORRIDOR (TYPICAL 30')

MAINTAIN 20' BETWEEN TOE OF LEVEE AND CONSTRUCTION CORRIDOR



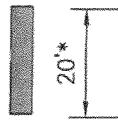
3621 Ridgelake Drive, Suite 204
Metairie, LA 70002
Phone: 504.888.1490
Fax: 504.888.1491
www.carubbaengineering.com

NOLA OIL TANK TERMINAL	
MYRTLE GROVE	LOUISIANA
MARINE SITE PLAN	
ENLARGED SITE PLAN-PHASE 1	
PROPOSED BARGE DOCK #1	

DATE	OCT. 12
DESIGN	ARF
DRAWN	JP
CHECK	NPL
JOB #	2012-114
SHEET No.	7

LEGEND

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



(3) BARGE DOLPHINS

345'

20'

CONVEYOR
272'

HOPPER
PLATFORM

50'

(6) BARGE DOLPHINS

50'

C I V I L
S T R U C T U R A L
C A R U B B A
E N G I N E E R I N G

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

NOLA OIL TANK TERMINAL
M Y R T L E G R O V E L O U I S I A N A
M A R I N E S I T E P L A N
E N L A R G E D S I T E P L A N - P H A S E 1
P R O P O S E D B A R G E F L E E T + M . O . F .

D A T E O C T . 1 2
D E S I G N A R F
D R A W N J P
C H E C K N P L
J O B # 2 0 1 2 - 1 1 4
S H E E T N o .

8

1245+77.2

(10) BARGE
DOLPHINS

BITCH

PHASE 1 BARGE
FLEETING AREA

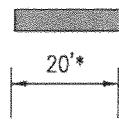
MISSISSIPPI RIVER



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

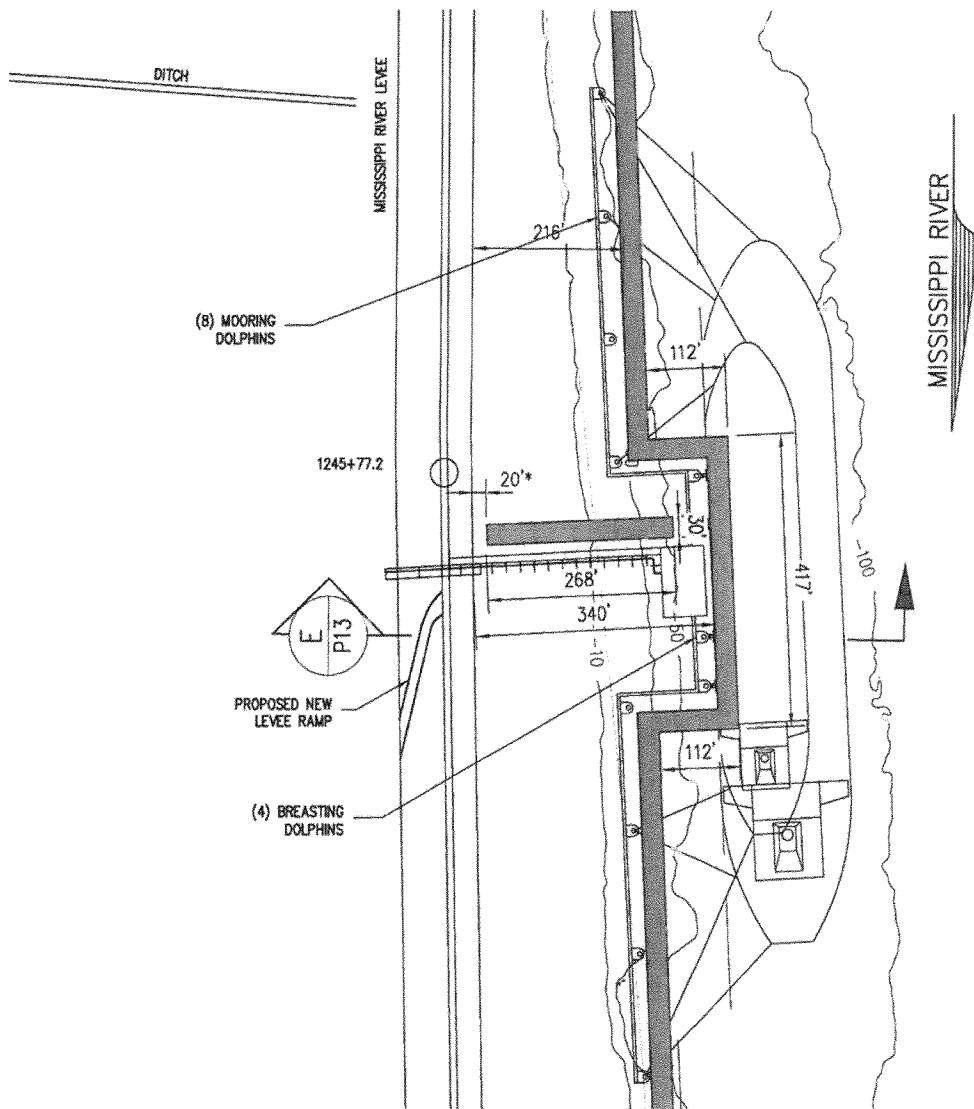
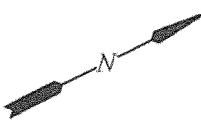
SCALE: 1" = 10'

LEGEND



MARINE CONSTRUCTION CORRIDOR (TYPICAL 30')

MAINTAIN 20' BETWEEN TOE OF LEVEE AND CONSTRUCTION CORRIDOR



PROPOSED SHIP DOCK #2 - PHASE 2

SCALE: 1" = 20'

CIVIL
STRUCTURAL
CARUBBA
ENGINEERING

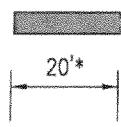
3621 Ridgelake Drive, Suite 204
Metairie, LA 70002
Phone: 504.888.1490
Fax: 504.888.1491
www.carubbaengineering.com

NOLA OIL TANK TERMINAL	
MYRTLE GROVE LOUISIANA	
MARINE SITE PLAN	
ENLARGED SITE PLAN-PHASE 2	
PROPOSED SHIP DOCK #2	

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

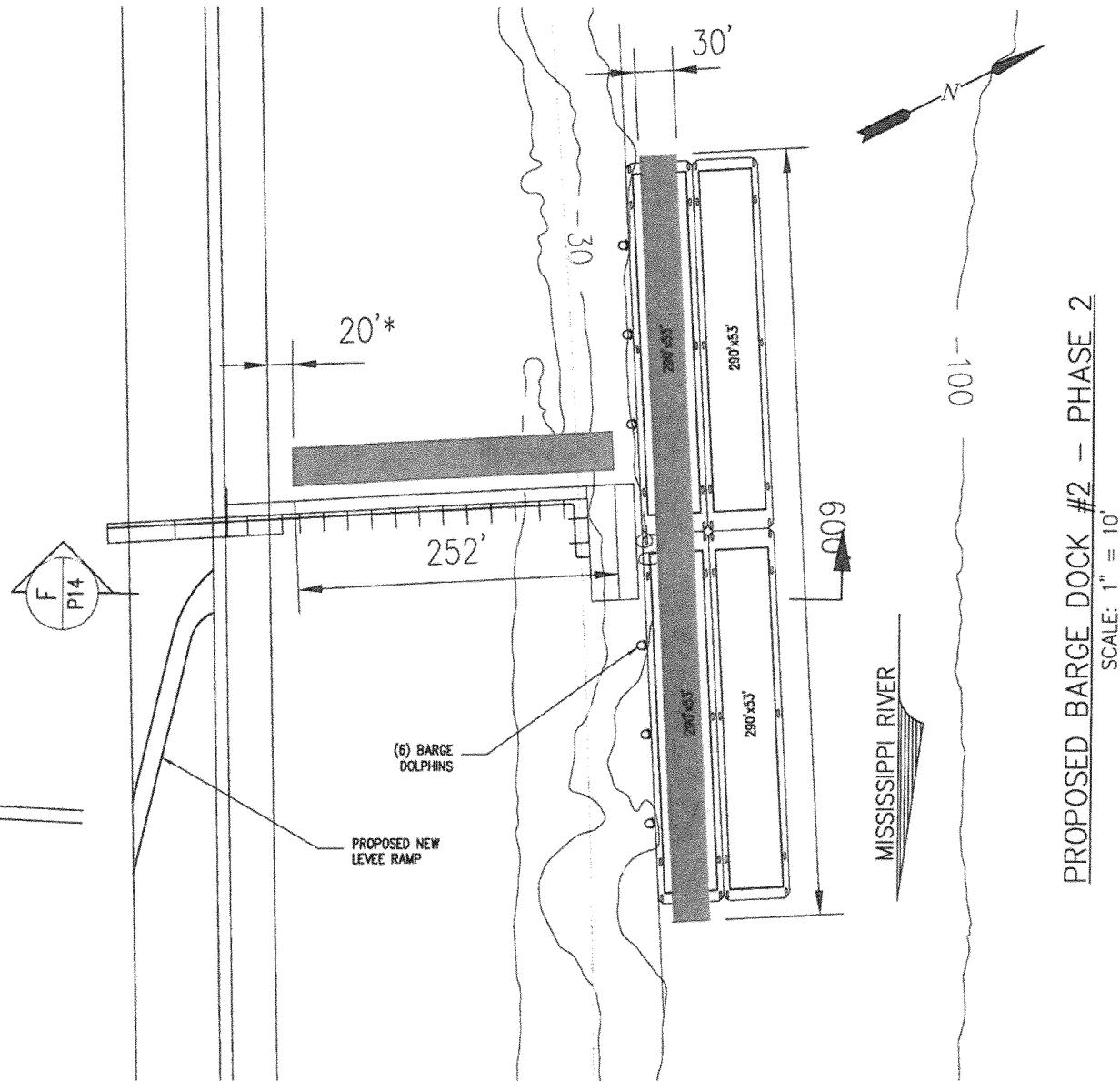
10

LEGEND



MARINE CONSTRUCTION CORRIDOR (TYPICAL 30')

MAINTAIN 20' BETWEEN TOE OF LEVEE AND CONSTRUCTION CORRIDOR



CIVIL
STRUCTURAL
CARUBBA
ENGINEERING

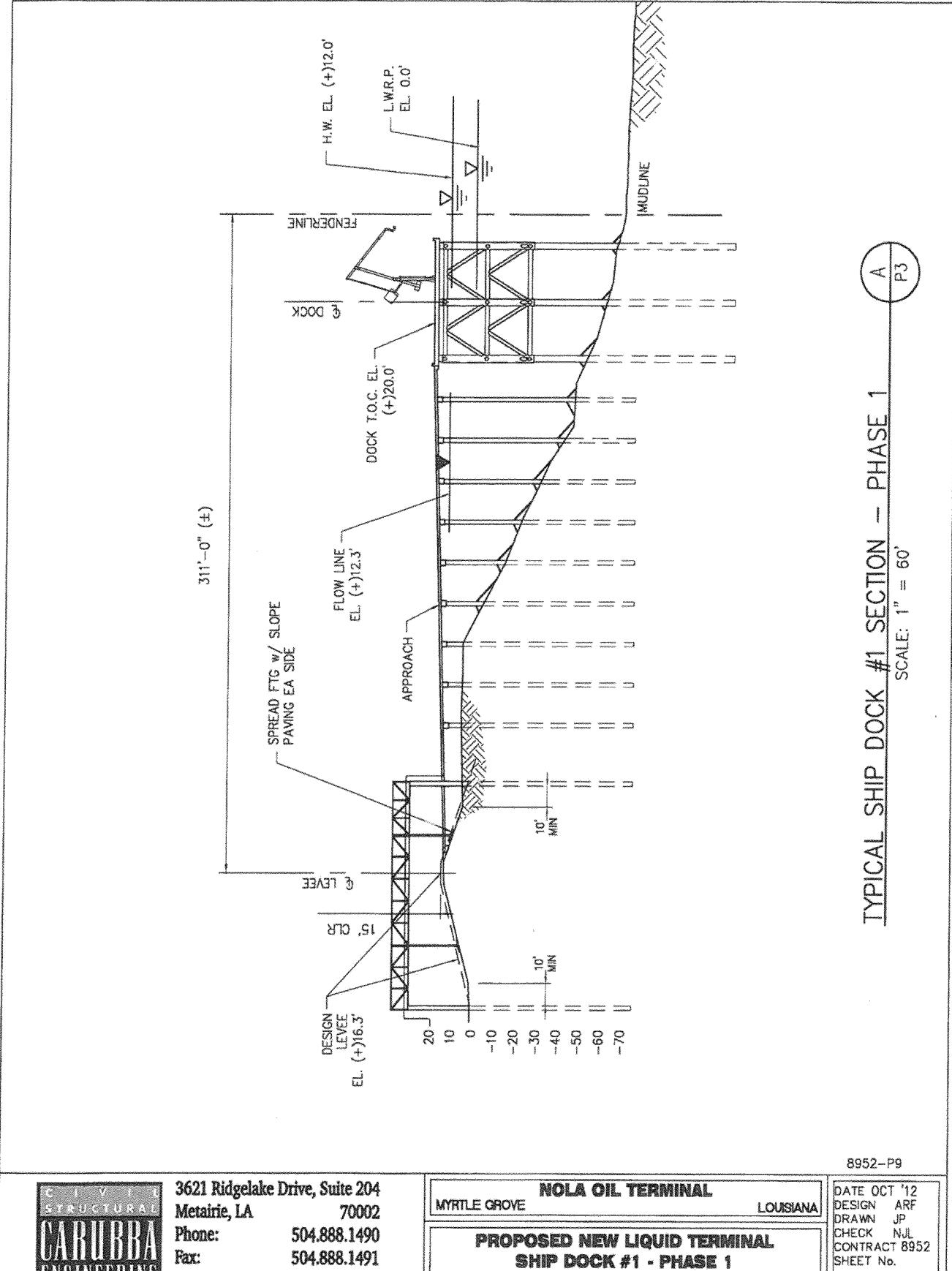
3621 Ridgelake Drive, Suite 204
Metairie, LA 70002
Phone: 504.888.1490
Fax: 504.888.1491
www.carubbaengineering.com

NOLA OIL TANK TERMINAL
MYRTLE GROVE LOUISIANA

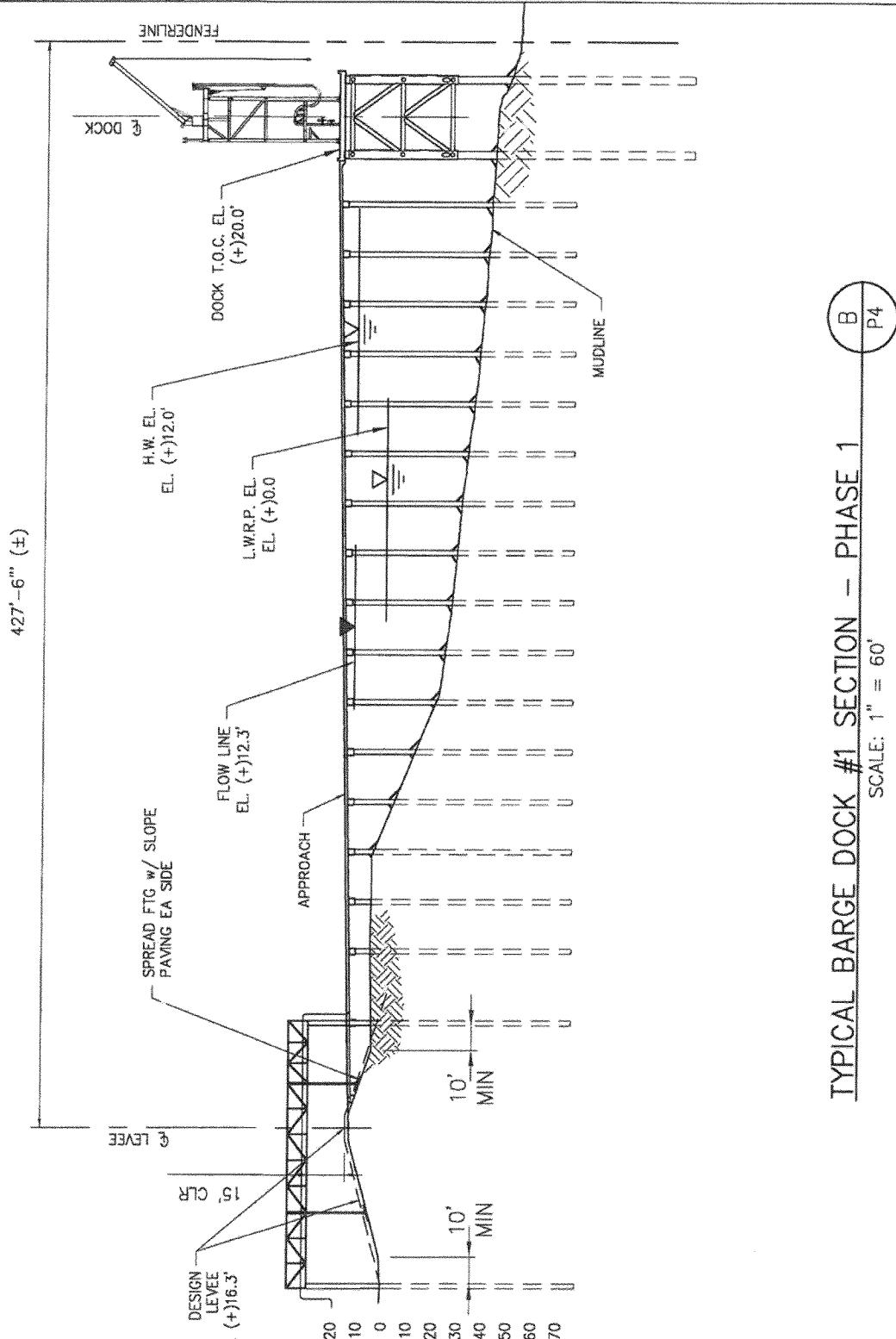
MARINE SITE PLAN
ENLARGED SITE PLAN-PHASE 2
PROPOSED BARGE DOCK #2

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

11



CIVIL STRUCTURAL CARUBBA ENGINEERING	3621 Ridgelake Drive, Suite 204 Metairie, LA 70002 Phone: 504.888.1490 Fax: 504.888.1491 www.carubbaengineering.com	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
---	---	---	---

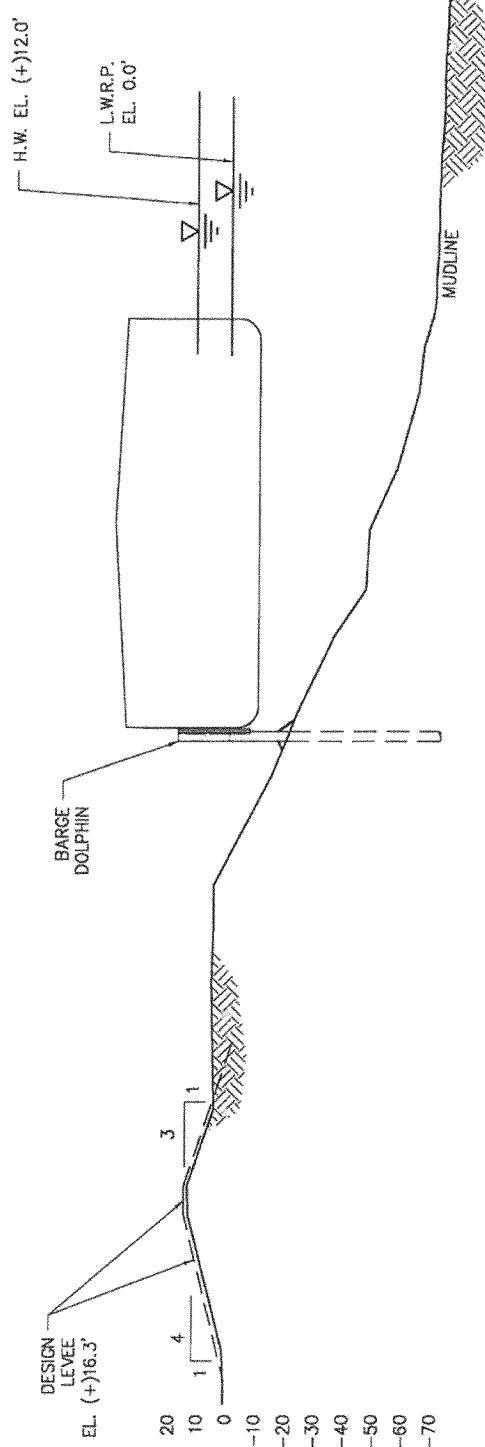


CIVIL STRUCTURAL CARUBBA ENGINEERING	3621 Ridgelake Drive, Suite 204 Metairie, LA 70002 Phone: 504.888.1490 Fax: 504.888.1491 www.carubbaengineering.com	NOLA OIL TERMINAL MYRTLE GROVE LOUISIANA PROPOSED NEW LIQUID TERMINAL BARGE DOCK #1 - PHASE 1 TYPICAL SECTION	DATE OCT '12 DESIGN ARF DRAWN JP CHECK NJL CONTRACT 8952 SHEET No. 13
---	---	--	---

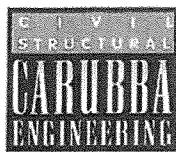
C
P5

TYPICAL BARGE FLEETING SECTION - PHASE 1

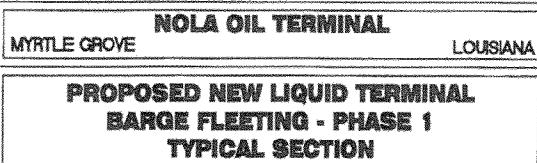
SCALE: 1" = 60'



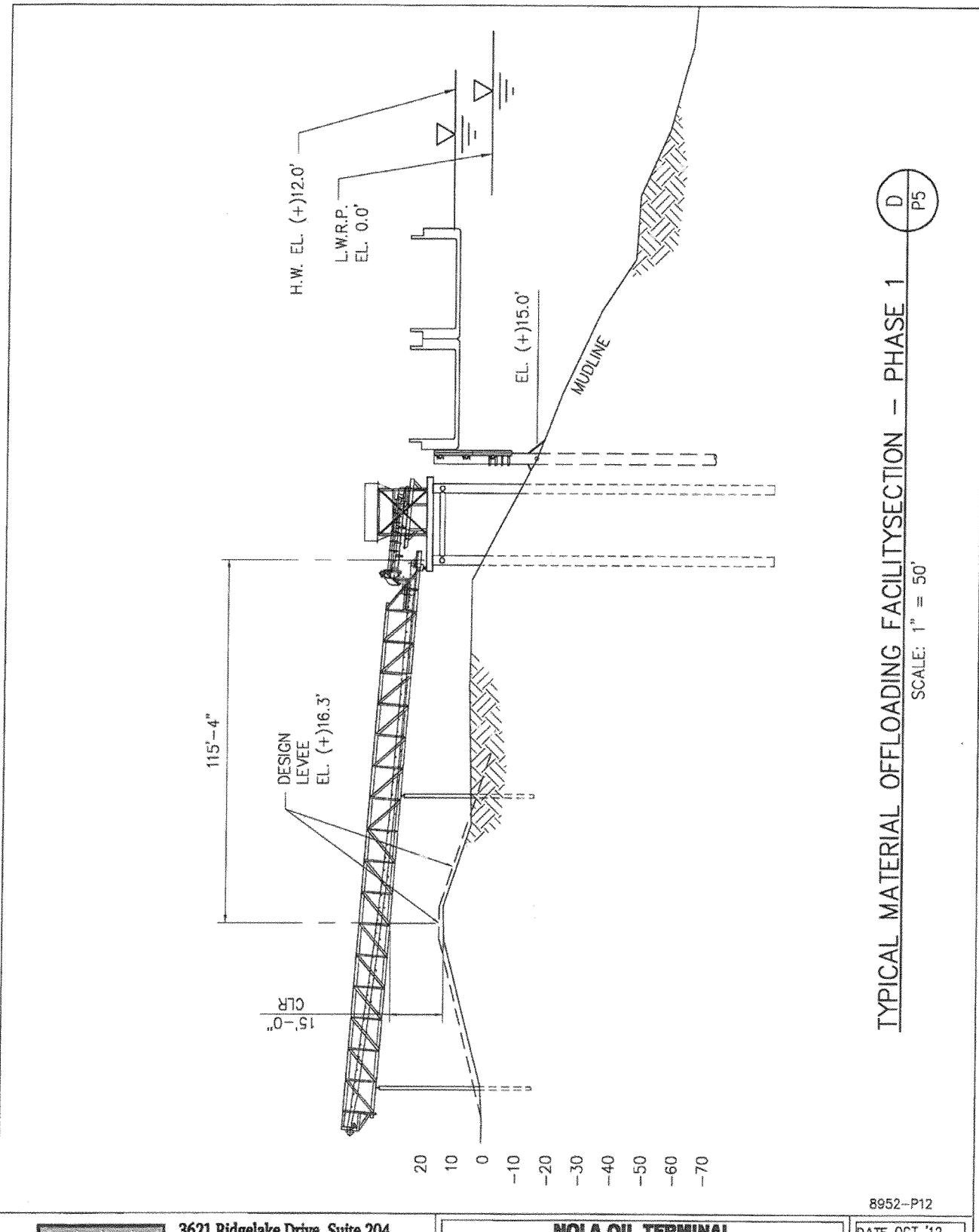
8952-P11



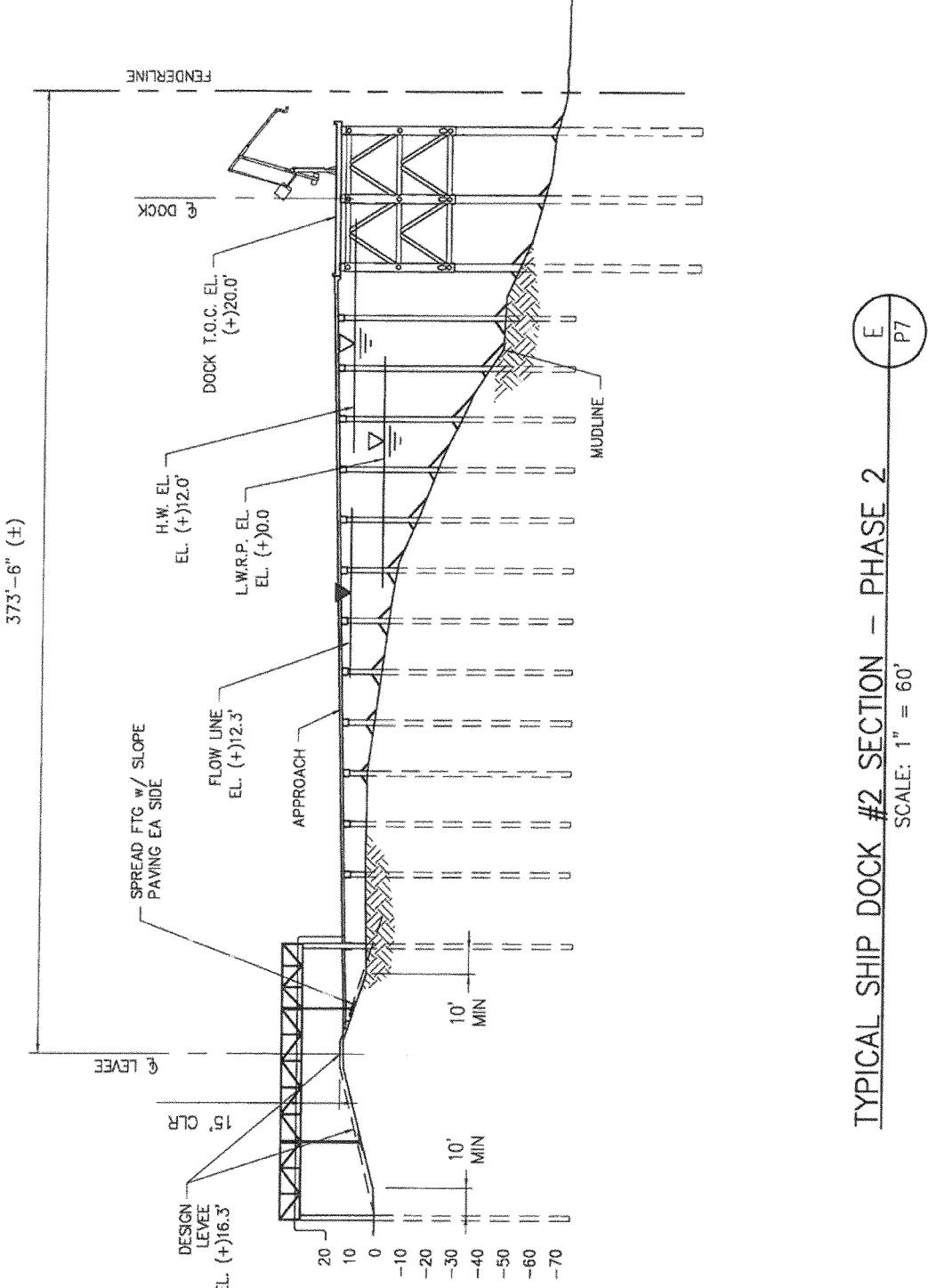
3621 Ridgelake Drive, Suite 204
Metairie, LA 70002
Phone: 504.888.1490
Fax: 504.888.1491
www.carubbaengineering.com



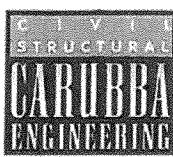
DATE OCT '12
DESIGN ARF
DRAWN JP
CHECK NJL
CONTRACT 8952
SHEET No.
14



CIVIL STRUCTURAL CARUBBA ENGINEERING	3621 Ridgelake Drive, Suite 204 Metairie, LA 70002 Phone: 504.888.1490 Fax: 504.888.1491 www.carubbaengineering.com	NOLA OIL TERMINAL PROPOSED NEW LIQUID TERMINAL MATERIAL OFFLOADING FACILITY - PHASE 1 TYPICAL SECTION	DATE OCT '12 DESIGN ARF DRAWN JP CHECK NJL CONTRACT 8952 SHEET No. 15
---	---	--	--



8952-P13

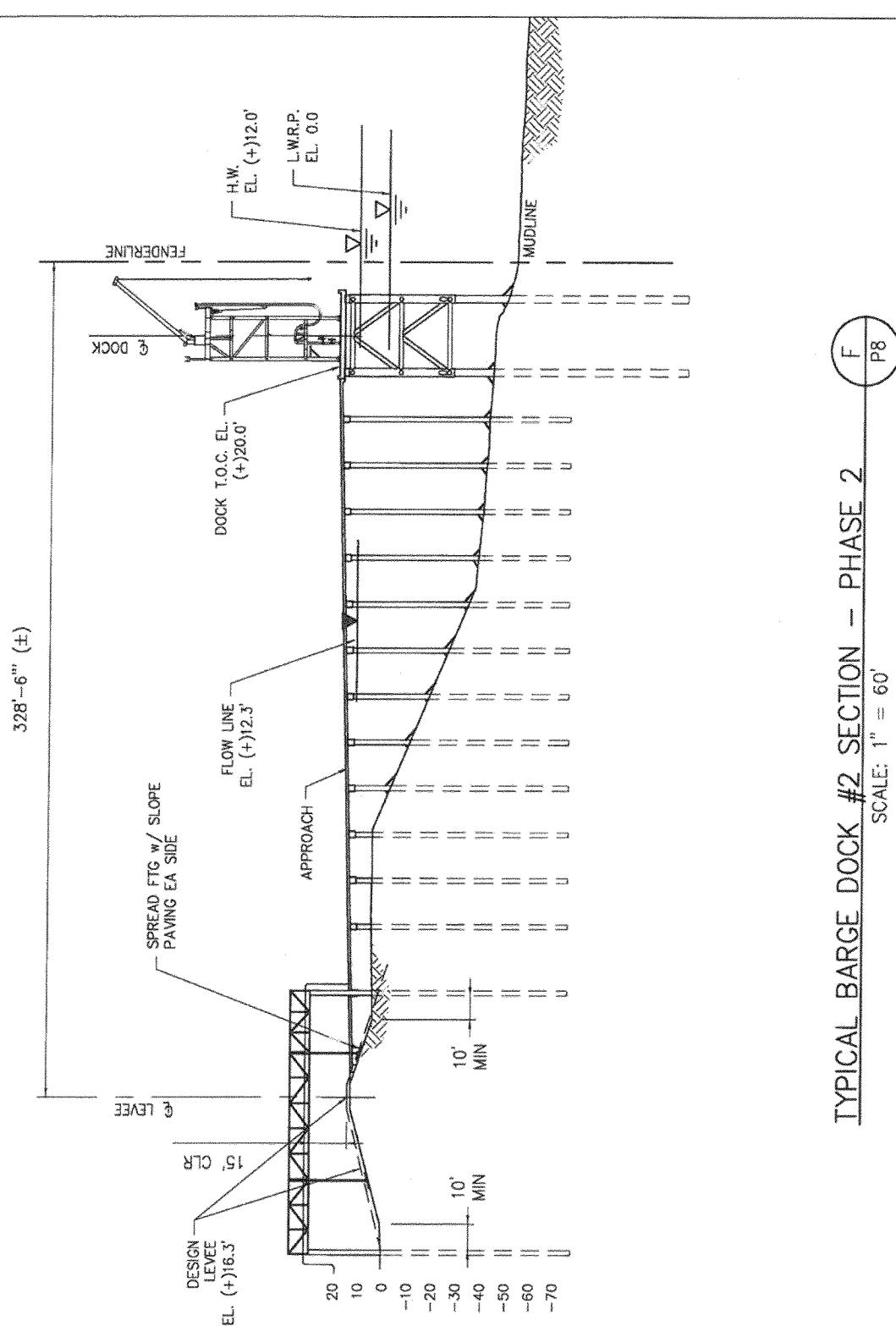


3621 Ridgelake Drive, Suite 204
Metairie, LA 70002
Phone: 504.888.1490
Fax: 504.888.1491
www.carubbaengineering.com

NOLA OIL TERMINAL
MYRTLE GROVE 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



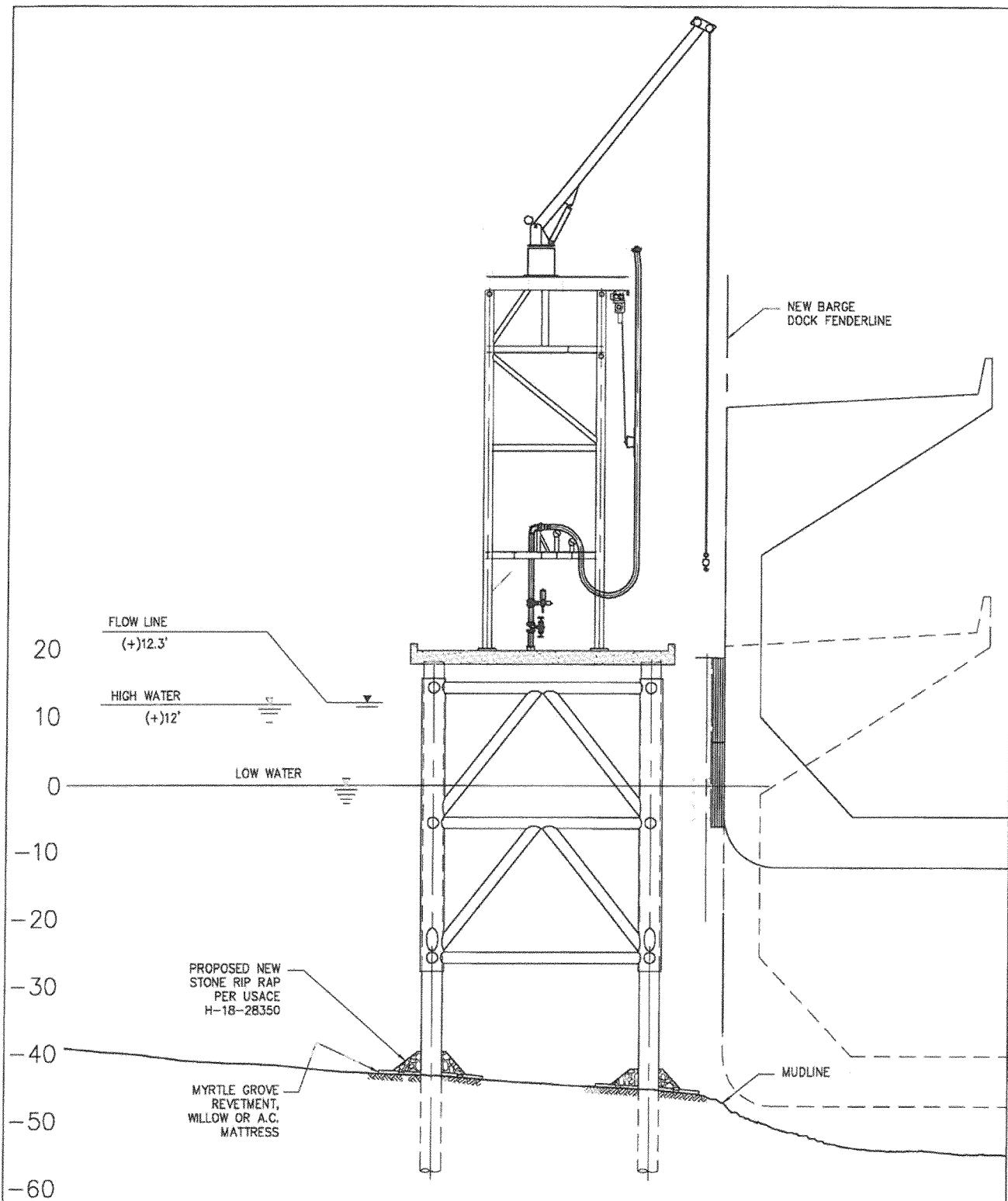
8952-P14



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

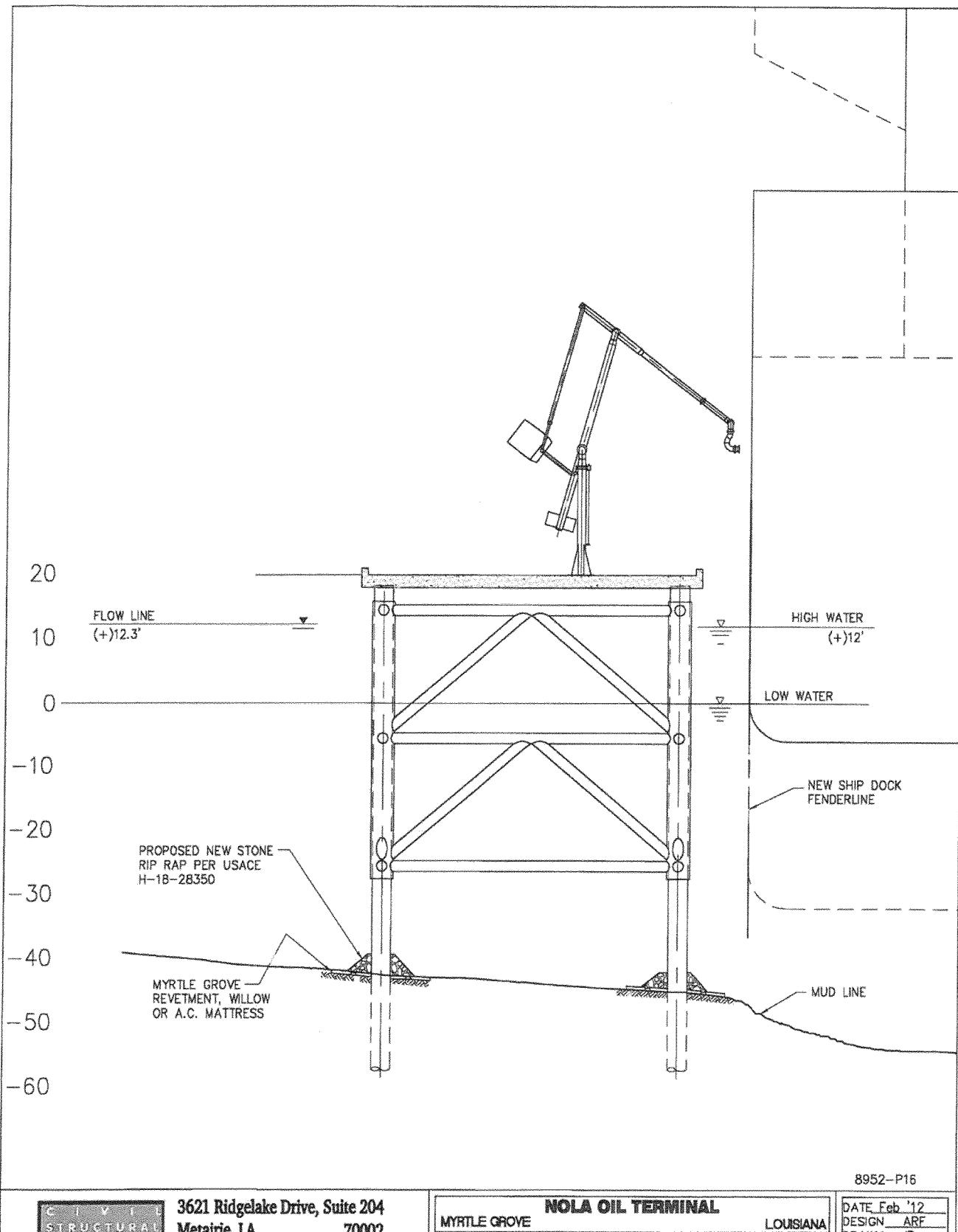
NOLA OIL TERMINAL
MYRTLE GROVE LOUISIANA
PROPOSED NEW LIQUID TERMINAL
BARGE DOCK #2 - PHASE 2
TYPICAL SECTION

DATE OCT '12
DESIGN ARF
DRAWN JP
CHECK NJL
CONTRACT 8952
SHEET No.
17



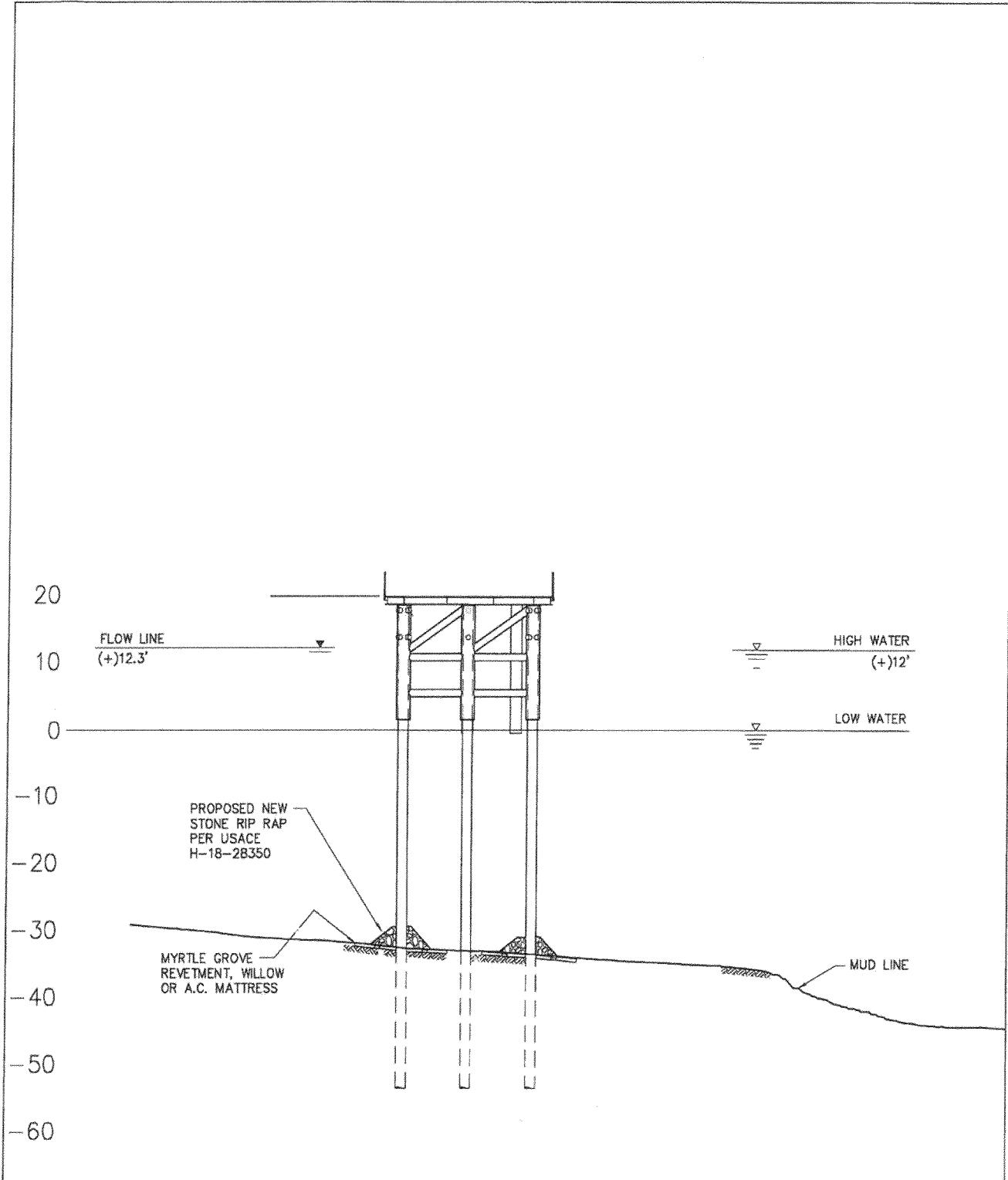
8952-P15

CIVIL STRUCTURAL CARUBBA ENGINEERING	3621 Ridgelake Drive, Suite 204 Metairie, LA 70002 Phone: 504.888.1490 Fax: 504.888.1491 www.carubbaengineering.com	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
---	---	---	--



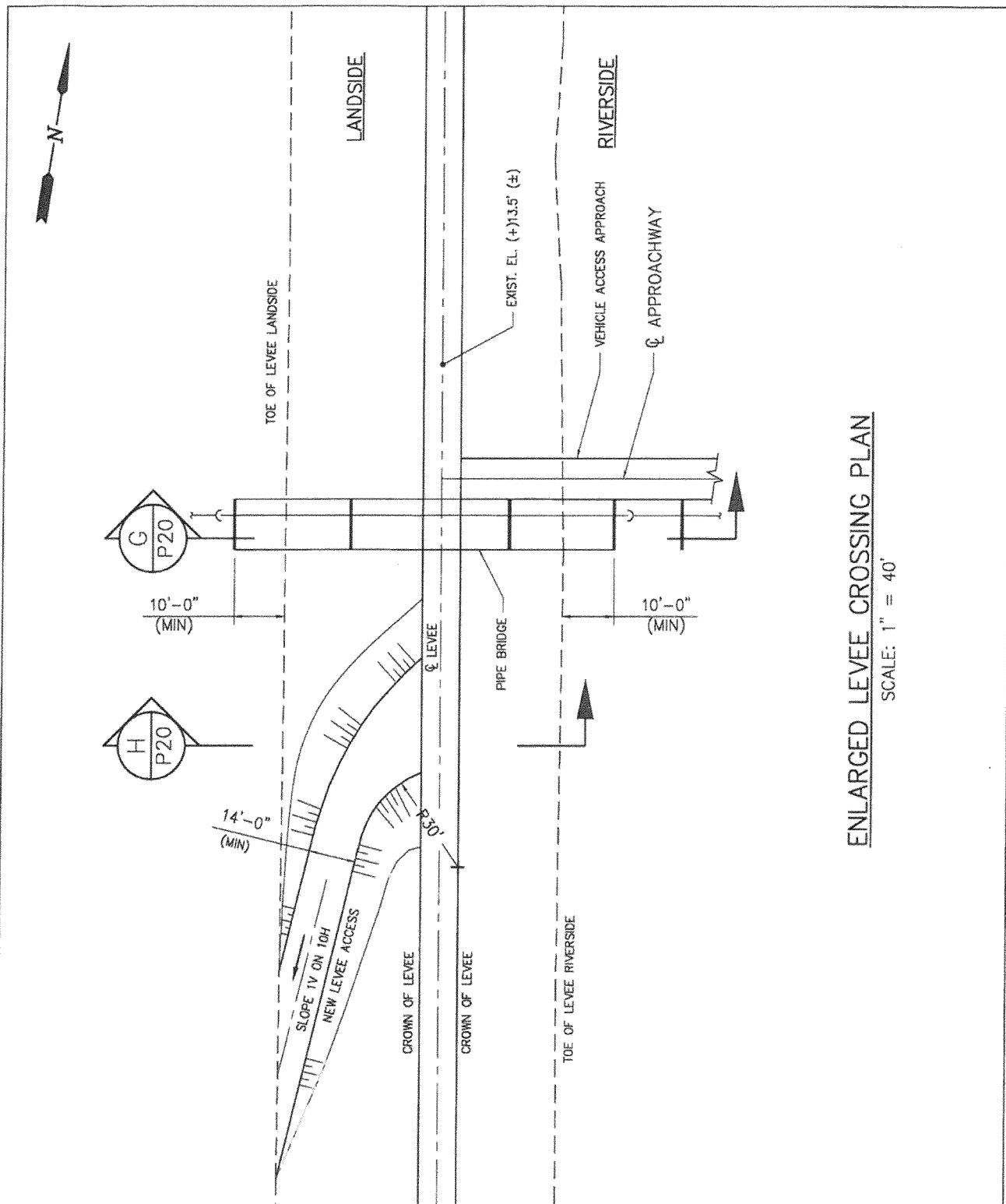
8952-P16

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

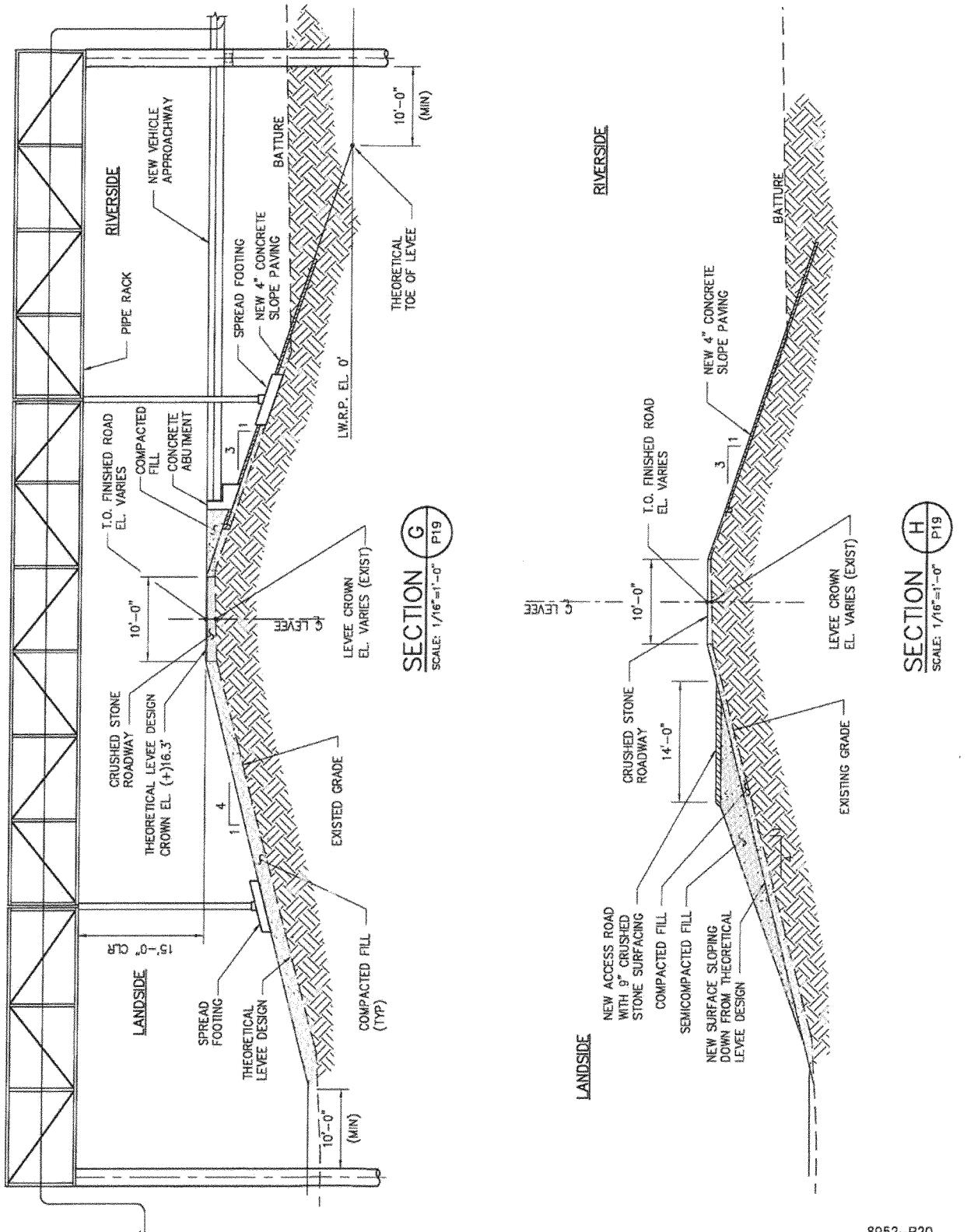
CIVIL STRUCTURAL CARUBBA ENGINEERING	3621 Ridgelake Drive, Suite 204 Metairie, LA 70002 Phone: 504.888.1490 Fax: 504.888.1491 www.carubbaengineering.com	NOLA OIL TERMINAL MYRTLE GROVE LOUISIANA PROPOSED NEW LIQUID TERMINAL NEW PUMP PLATFORM TYPICAL SECTION	DATE Feb '12 DESIGN ARF DRAWN JP CHECK NPL CONTRACT 8952 SHEET No. 20
---	---	--	--



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

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



8952-P20



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

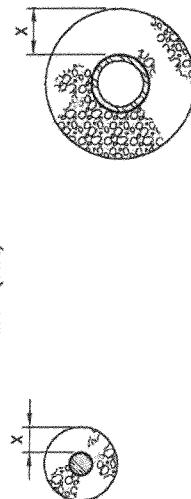
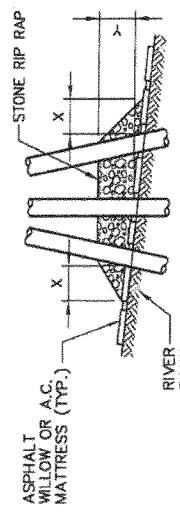
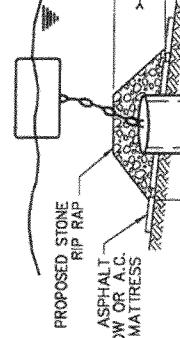
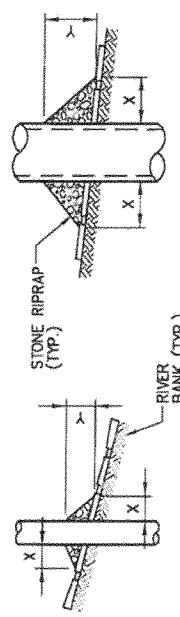
NOLA OIL TERMINAL
MYRTLE GROVE LOUISIANA

**PROPOSED NEW LIQUID TERMINAL
LEVEE CROSSING SECTIONS**

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

23

PILE **CAISSON** **SPUD PILE** **WITH BUOY AND ANCHOR CHAIN**



PLAN

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	PILE CLUSTER	PILE CLUSTER
X	Y	X	Y	X	Y	X
1 TO 10	3	1 1/2	5	2		
11 TO 40	5	2	8	3	7	3
41 TO 60	8	3	12	4	12	4
				10	10	3

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, CAISONS 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.

REPAIR PROCEDURES REQUIRED
WHEN PENETRATING REVETMENTS
WITH PILES, CAISONS AND/OR
PILE CLUSTERS

U.S. ARMY ENGINEERS DISTRICT, NEW ORLEANS
Corps of Engineers

DEC. 1987

FILE NO. H-18-28360



www.corpsengineering.com