



**US Army Corps
of Engineers®**

PUBLIC NOTICE

Applicant:
CF Industries Blue Point, LLC

Published: August 25, 2025
Expires: September 24, 2025

**New Orleans District (CEMVN)
Permit Application No. MVN-2023-00269-CF**

TO WHOM IT MAY CONCERN: The New Orleans District of the U.S. Army Corps of Engineers (Corps) has received an application for a Department of the Army permit pursuant to Section 404 of the Clean Water Act (33 U.S.C. §1344) **and/or** Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. §403). The purpose of this public notice is to solicit comments from the public regarding the work described below:

APPLICANT: CF Industries Blue Point, LLC
PO Box 649
Donaldsonville, LA 70346

AGENT: Olivia Barry
CK Associates
8591 United Plaza Boulevard
Suite 300
Baton Rouge, LA 70809

WATERWAY AND LOCATION: The project would affect waters of the United States and navigable waters of the United States associated with Mississippi River. The project/review area is located along Noel Road in Sections 31,32, and 33,Township 10S, Range 14E; at Latitude 30.172609 and Longitude -91.037394; in Donaldsonville, Ascension Parish, Louisiana.

EXISTING CONDITIONS: The existing site is a mixture of agriculture fields, jurisdictional non-wetland water ditches, and bottomland hardwoods on the protected side of the levee. On the flood side of the levee, the existing site consists of forested batture wetlands, existing dredge spoil areas, and Mississippi River waterbottoms.

PROJECT PURPOSE: Construction of a low carbon ammonia facility near the Gulf Coast.

Basic: Low carbon ammonia facility

Overall: Construction of a low carbon ammonia facility, marine terminal, and heavy haul road near the Gulf Coast.

PROPOSED WORK: The applicant requests authorization to clear, grade, and fill wetlands and non-wetland waters for the construction of an ammonia manufacturing facility, marine terminal and pipe rack, and heavy haul road. The applicant is proposing to permanently impact 1.04 acres of wetlands for the construction of the heavy haul road and temporarily impact 1.88 acres of wetlands for the construction of the marine terminal and pipe rack. The applicant is proposing to convert 2.63 acres of forested batture wetlands to emergent wetlands for the construction of the marine terminal and pipe rack and heavy haul road. The applicant is proposing to temporarily impact 44.97 acres of Mississippi waterbottoms and dredge 900,000 cubic yards of material. The dredged material will be deposited in an existing dredged spoil location previously permitted in MVN-2007-1199-CX. The applicant is proposing to permanently impact 1.74 acres of non-wetland waters and temporarily impact 4.89 acres of non-wetland waters for the construction of the heavy haul road and ammonia manufacturing facility. The carbon dioxide well and pipeline will be permitted by others, and a pre-application request has been submitted and assigned under MVN-2025-00376-CF. Additionally, transmission lines and natural gas pipelines required to operate the facility will be permitted by others and their estimated impacts are included in the figures and will be considered for cumulative effects.

AVOIDANCE AND MINIMIZATION: The applicant has provided the following information in support of efforts to avoid and/or minimize impacts to the aquatic environment:

The applicant is avoiding 44 acres of wetlands to the southwest of the proposed ammonia manufacturing facility that are part of an existing conservation servitude. The applicant is proposing to avoid 0.68 acre and 2.85 acres of wetlands and non-wetland waters identified on the Noel property to construction the ammonia manufacturing facility. For the marine terminal and pipe rack and heavy haul road, the applicant claims that they have designed these project components to the minimum size practicable to reduce impacts to wetlands and non-wetland waters.

COMPENSATORY MITIGATION: The applicant offered the following compensatory mitigation plan to offset unavoidable functional loss to the aquatic environment:

The applicant is proposing to compensate for all unavoidable impacts to wetlands by purchasing mitigation credits from a CEMVN-RG approved mitigation bank within the watershed.

CULTURAL RESOURCES: The Corps is evaluating the undertaking for effects to historic properties as required under Section 106 of the National Historic Preservation Act. This public notice serves to inform the public of the proposed undertaking and invites comments including those from local, State, and Federal government Agencies with respect to historic resources. Our final determination relative to historic resource impacts may be subject to additional coordination with the State Historic Preservation Officer (SHPO), federally recognized tribes and other interested parties.

The District Engineer's final eligibility and effect determination will be based upon coordination with the SHPO and/or THPO, as appropriate and required, and with full consideration given to the proposed undertaking's potential direct and indirect effects on historic properties within the Corps-identified permit area.

ENDANGERED SPECIES: The Corps has performed an initial review of the application for Section 7 of the Endangered Species Act compliance via the U.S. Fish and Wildlife Service (USFWS) Information for Planning and Consultation (IPaC), National Marine Fisheries Service (NMFS) Section 7 Mapper, and the NMFS Critical Habitat Mapper to determine if any threatened, endangered, proposed, or candidate species, as well as the proposed and final designated critical habitat may occur in the vicinity of the proposed project. Based on this initial review, the Corps has made a preliminary determination that the proposed project would not likely adversely affect the West Indian Manatee and Pallid Sturgeon.

Table 1: ESA-listed species and/or critical habitat potentially present in the action area.

Species Common Name and/or Critical Habitat Name	Scientific Name	Federal Status
West Indian Manatee	<i>Scaphirhynchus albus</i>	Endangered
Pallid Sturgeon	<i>Trichechus manatus</i>	Threatened

Pursuant to Section 7 ESA, any required consultation with the Service(s) will be conducted in accordance with 50 CFR part 402.

This notice serves as request to the U.S. Fish and Wildlife Service for any additional information on whether any listed or proposed to be listed endangered or threatened species or critical habitat may be present in the area which would be affected by the proposed activity.

ESSENTIAL FISH HABITAT: Pursuant to the Magnuson-Stevens Fishery Conservation and Management Act 1996, the Corps reviewed the project area, examined information provided by the applicant, and consulted available species information.

This notice initiates the Essential Fish Habitat (EFH) consultation requirements of the Magnuson-Stevens Fishery Conservation and Management Act. Our initial determination is that the proposed action may adversely affect EFH and/or fisheries managed by Fishery Management Councils and the National Marine Fisheries Service (NMFS). Implementation of the proposed project would directly impact approximately 44.97 acres of Mississippi River waterbottoms. The effects of the project are determined to be minimal and temporary. These habitat(s) are utilized by the following species and their various life stages:

Shrimp, Coastal Migratory Pelagics (Mackerels), Red Drum, and Reef Fish.

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.

NAVIGATION: The proposed structure or activity is located in or adjacent to the Mississippi River federal channel.

SECTION 408: The applicant will require permission under Section 14 of the Rivers and Harbors Act of 1899 (33 USC 408) because the activity, in whole or in part, would alter, occupy, or use a Corps Civil Works project.

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:

a. 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.

b. 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.

WATER QUALITY CERTIFICATION: Water Quality Certification may be required from the Louisiana Department of Environmental Quality and/or the Environmental Protection Agency.

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 LA Department of Environmental Quality before a Department of the Army permit is issued.

NOTE: This public notice is being issued based on information furnished by the applicant. This information has not been verified or evaluated to ensure compliance with laws and regulation governing the regulatory program. The geographic extent of aquatic resources within the proposed project area that either are, or are presumed to be, within the Corps jurisdiction has been verified by Corps personnel.

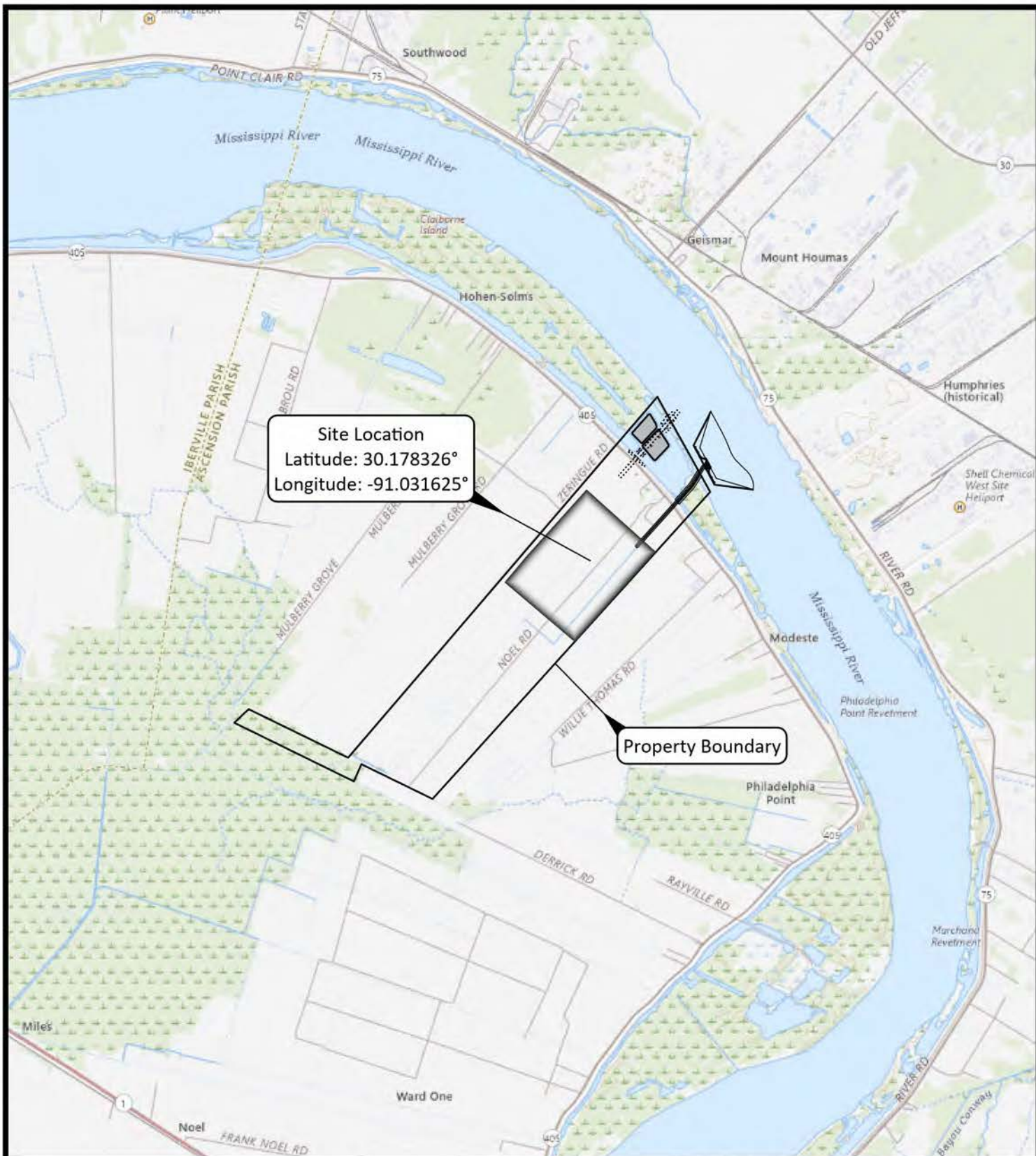
EVALUATION: The decision whether to issue a permit will be based on an evaluation of the probable impact including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefits, 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 cumulative impacts thereof; among these are conservation, economics, esthetics, general environmental concerns, wetlands, historical 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. Evaluation of the impact of the activity on the public interest will also include application of the guidelines promulgated by the Administrator, Environmental Protection Agency, under authority of Section 404(b) of the Clean Water Act or the criteria established under authority of Section 102(a) of the Marine Protection Research and Sanctuaries Act of 1972. A permit will be granted unless its issuance is found to be contrary to the public interest.

COMMENTS: The Corps 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 Corps to determine whether to issue, modify, condition, or deny a permit for this proposal. To make this determination, comments are used to assess impacts to endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment (EA) and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act (NEPA). 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 will receive written comments on the proposed work, as outlined above, until September 24, 2025. Comments should be submitted electronically via the Regulatory Request System (RRS) at <https://rrs.usace.army.mil/rrs> or to Zach

Steinkoenig at zachary.j.steinkoenig@usace.army.mil. Alternatively, you may submit comments in writing to the following address: U.S. Army Corps of Engineers, New Orleans District, Attention: Zach Steinkoenig, 7400 Leake Avenue New Orleans, Louisiana 70118-3651. Please refer to the permit application number in your comments.

Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider the application. Requests for public hearings shall state, with particularity, the reasons for holding a public hearing. Requests for a public hearing will be granted, unless the District Engineer determines that the issues raised are insubstantial or there is otherwise no valid interest to be served by a hearing.



Proposed Low Carbon Ammonia Plant Boundary



0 4,000
Feet
ESRI USGS Topo



Ascension Parish

CF Industries Blue Point, LLC

Donaldsonville, Louisiana

Low Carbon Ammonia Facility

Site Location Map

Ascension Parish



Drawn: CAL

Checked: APK

Date: 7/7/2025

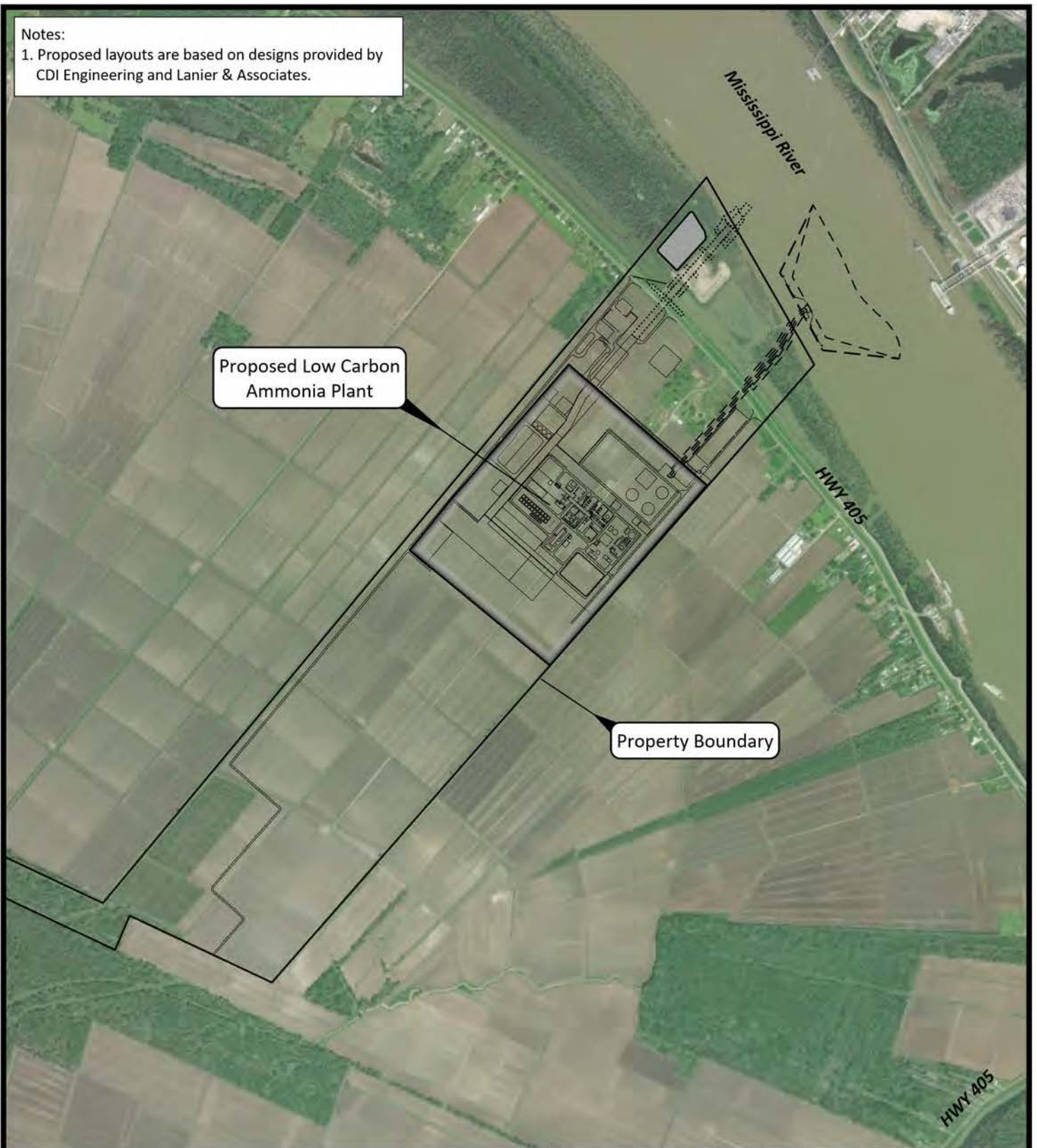
Approved: OPB

Dwg. No.: 20046GEO

Figure 1

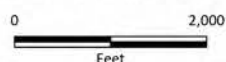
Notes:

1. Proposed layouts are based on designs provided by CDI Engineering and Lanier & Associates.



- Property Boundary
- Proposed Low Carbon Ammonia Plant Boundary
- Proposed Marine Terminal and Pipe Rack
- Proposed Dredge Disposal Area (MVN-2007-1199-CX)
- Proposed Heavy Haul Road

"Figures are for Permitting Only – Not to be used for Construction"



ESRI World Imagery



CF Industries Blue Point, LLC
Donaldsonville, Louisiana

Low Carbon Ammonia Facility

Project Overview Map

Ascension Parish



Drawn: CAL	Checked: APK
Date: 7/7/2025	Approved: OPB
Dwg. No.: 20046GEO	

Figure 2

P:\Mapping\20046\20046GEO.aprx



- Survey Area MVN-2023-00269-SK
- Section 404/10 Wetlands (18.60 Acres)
- Section 404/10 Non-wetland Waters (5.32 Acres)
- Section 404 Wetlands (0.68 Acres)
- Section 404 Non-wetland Waters (5.20 Acres)
- Desktop Delineation Area
- Section 10/404 Wetlands (1.76 Acres)
- Section 10/404 Non-wetland Waters of the US (2.91 Acres)



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esri
ESRI World Imagery 2022

CF Industries Blue Point, LLC
Donaldsonville, Louisiana

Low Carbon Ammonia Facility

Existing Conditions Map

Ascension Parish

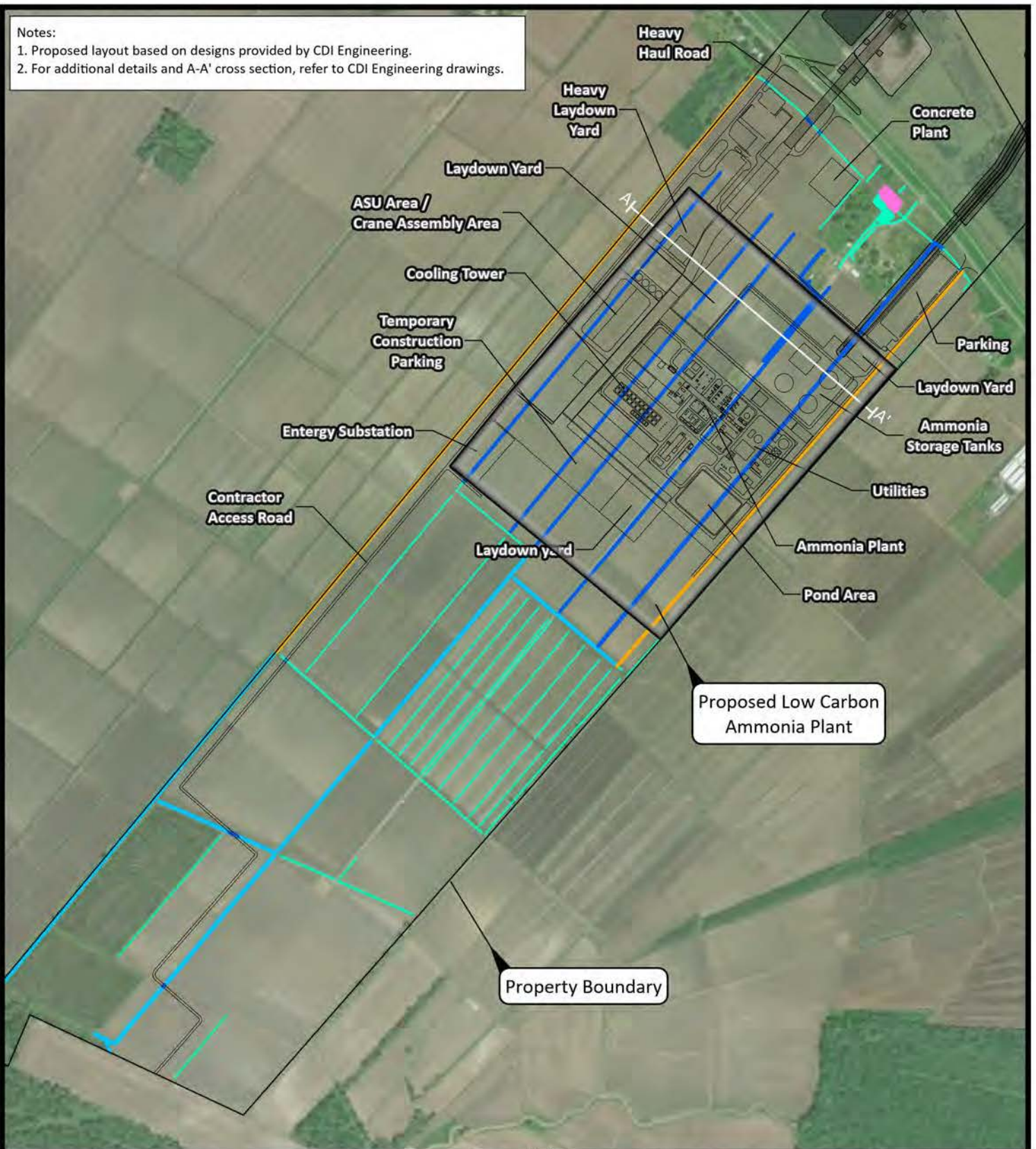


Drawn: CEO	Checked: APK
Date: 6/25/2025	Approved: OPB
Dwg. No.: 20046GEO	

Figure 3

Notes:

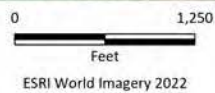
1. Proposed layout based on designs provided by CDI Engineering.
2. For additional details and A-A' cross section, refer to CDI Engineering drawings.



- Property Boundary
- Proposed Low Carbon Ammonia Plant Boundary
- Other Project Areas

Proposed Impacts

- Temporary Impacts to Non-wetland Waters of the US (1.86 Acres)
- Permanent Impacts to Non-wetland Waters of the US (1.69 Acres)
- Non-wetland Waters of the US Not Impacted by Proposed Project (2.85 Acres)
- Wetlands Not Impacted by Proposed Project (0.68 Acres)
- Proposed Drains to be Excavated in Uplands



"Figures are for Permitting Only – Not to be used for Construction"

CF Industries Blue Point, LLC
Donaldsonville, Louisiana

Low Carbon Ammonia Facility

Ammonia Manufacturing Facility

Plan View

Ascension Parish



Drawn: CAL

Date: 7/7/2025

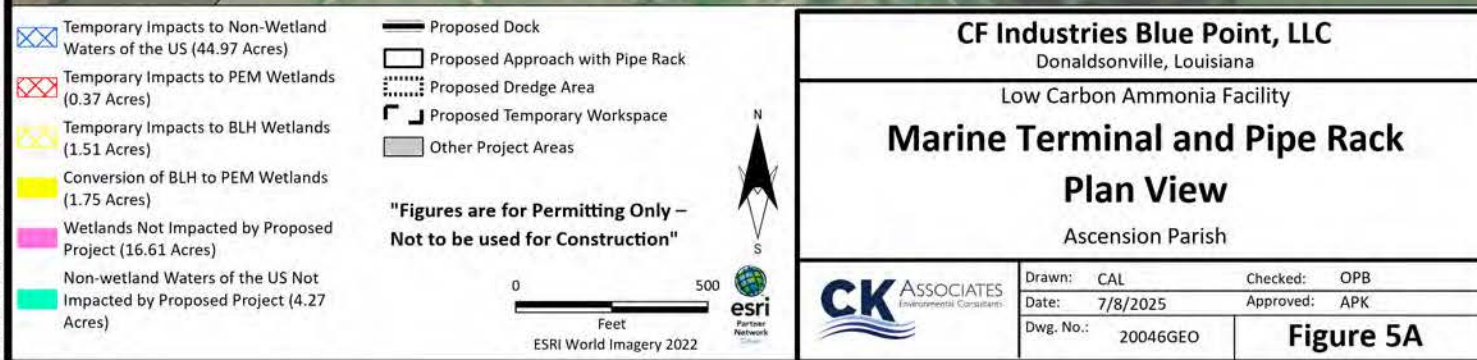
Dwg. No.: 20046GEO

Checked: APK

Approved: OPB

Figure 4

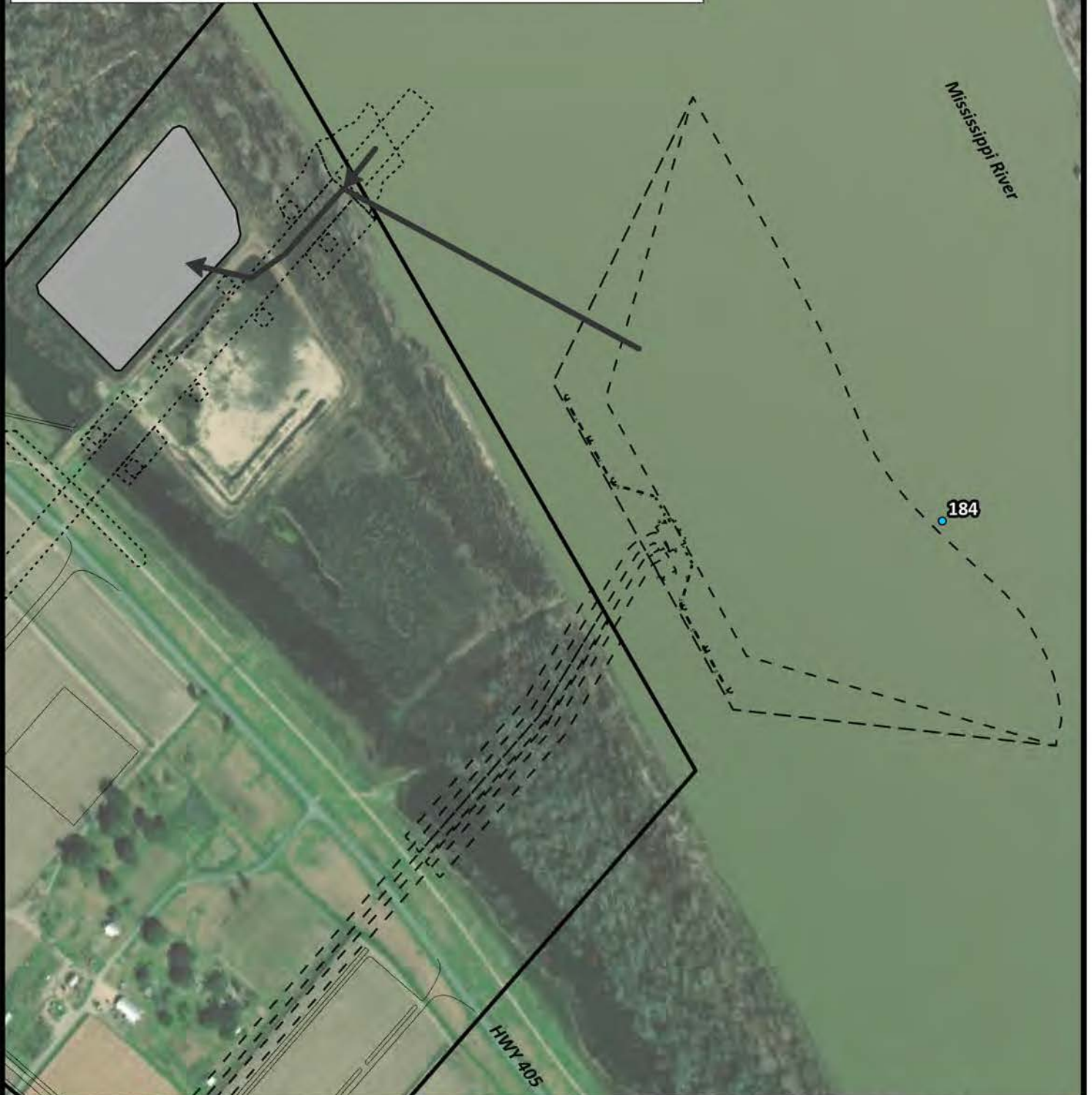
1. See Figure 8 for B-B' cross section.
2. Proposed layout based on designs provided by Lanier & Associates.
3. For additional details, refer to Lanier & Associates drawings.



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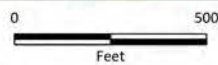
Notes:

- 1.The proposed dredge disposal pipe will be placed within the footprint of the proposed heavy haul road.
No additional impacts to WOTUS, including wetlands will occur from this project component.
2. Proposed layout based on MVN-2007-1199 and information provided by the applicant.



- River Mile Post
- ➔ Temporary Dredge Disposal Pipeline
- Proposed Dredge Disposal Area (MVN-2007-1199-CX)
- ▭ Proposed Ammonia Manufacturing Facility
- ▭ Proposed Marine Terminal and Pipe Rack
- Proposed Heavy Haul Road

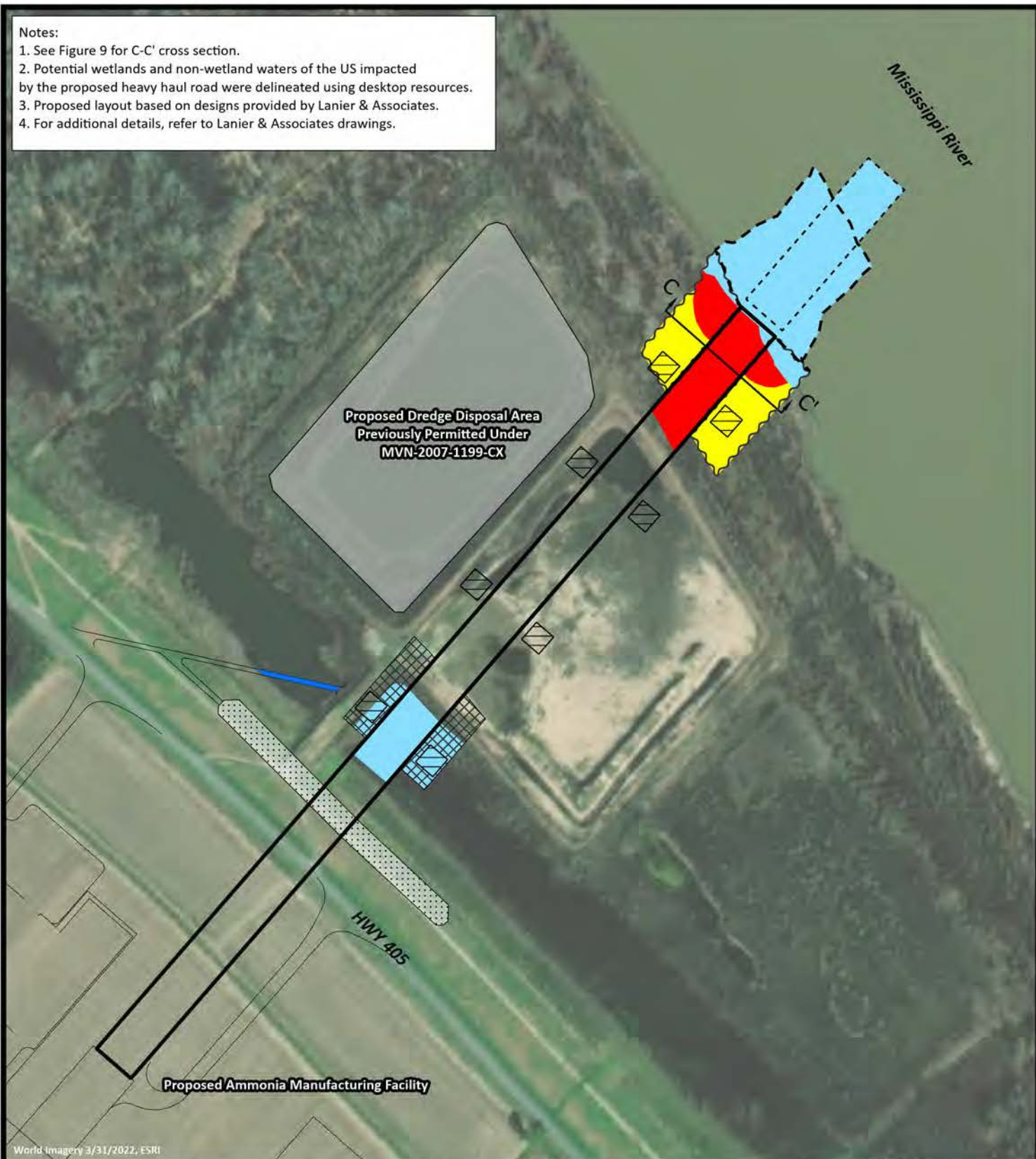
"Figures are for Permitting Only – Not to be used for Construction"



CF Industries Blue Point, LLC Donaldsonville, Louisiana	
Low Carbon Ammonia Facility	
Dredge Disposal Plan View	
Ascension Parish	
Drawn: CAL	Checked: APK
Date: 7/8/2025	Approved: OPB
Dwg. No.: 20046GEO	Figure 5B

Notes:

1. See Figure 9 for C-C' cross section.
2. Potential wetlands and non-wetland waters of the US impacted by the proposed heavy haul road were delineated using desktop resources.
3. Proposed layout based on designs provided by Lanier & Associates.
4. For additional details, refer to Lanier & Associates drawings.



World Imagery 3/31/2022, ESRI

- | | |
|--|--|
| Proposed Heavy Haul Road | Maintained Area for Access and Maintenance |
| Proposed Levee Crossing | Temporary Workspace |
| Proposed Deck Barge | Temporary Crane Matting Fill |
| Proposed Dredge Area | |
| Temporary Impacts to Non-wetland Waters of the US (3.03 Acres) | |
| Permanent Impacts to Non-wetland Waters of the US (0.05 Acres) | |
| Conversion of BLH to PEM Wetlands (0.88 Acres) | |
| Permanent Impacts to BLH Wetlands (1.04 Acres) | |

0 300
Feet



CF Industries Blue Point, LLC
Donaldsonville, Louisiana

Low Carbon Ammonia Facility

Heavy Haul Road

Plan View

Ascension Parish



Drawn: CAL

Checked: OPB

Date: 7/12/2025

Approved: APK

Dwg. No.: 20046GEO

Figure 6

"Figures are for Permitting Only – Not to be used for Construction"



 Site Boundary



0 1
Miles



World Imagery 3/31/2022, ESRI

CF Industries Blue Point, LLC
Donaldsonville, Louisiana

Low Carbon Ammonia Facility

Alternative Site Locations

Ascension Parish



Drawn: CAL

Checked: APK

Date: 4/29/2025

Approved: OPB

Dwg. No.: 20046GEO

Figure 7A

Mississippi River

Notes: Wetland and WOTUS data obtained from
CK Associates Wetland Delineation Report - Belle
Grove Plantation Site July 2022

Highway 405

Highway 405

Ware St

Clarke Rd

Clarke Rd

Laurel Ridge Rd

- Site Boundary
- Non-wetland Waters of the US (12.89 Acres)
- Wetlands (21.60 Acres)



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US Feet



CF Industries Blue Point, LLC
Donaldsonville, Louisiana

Low Carbon Ammonia Facility

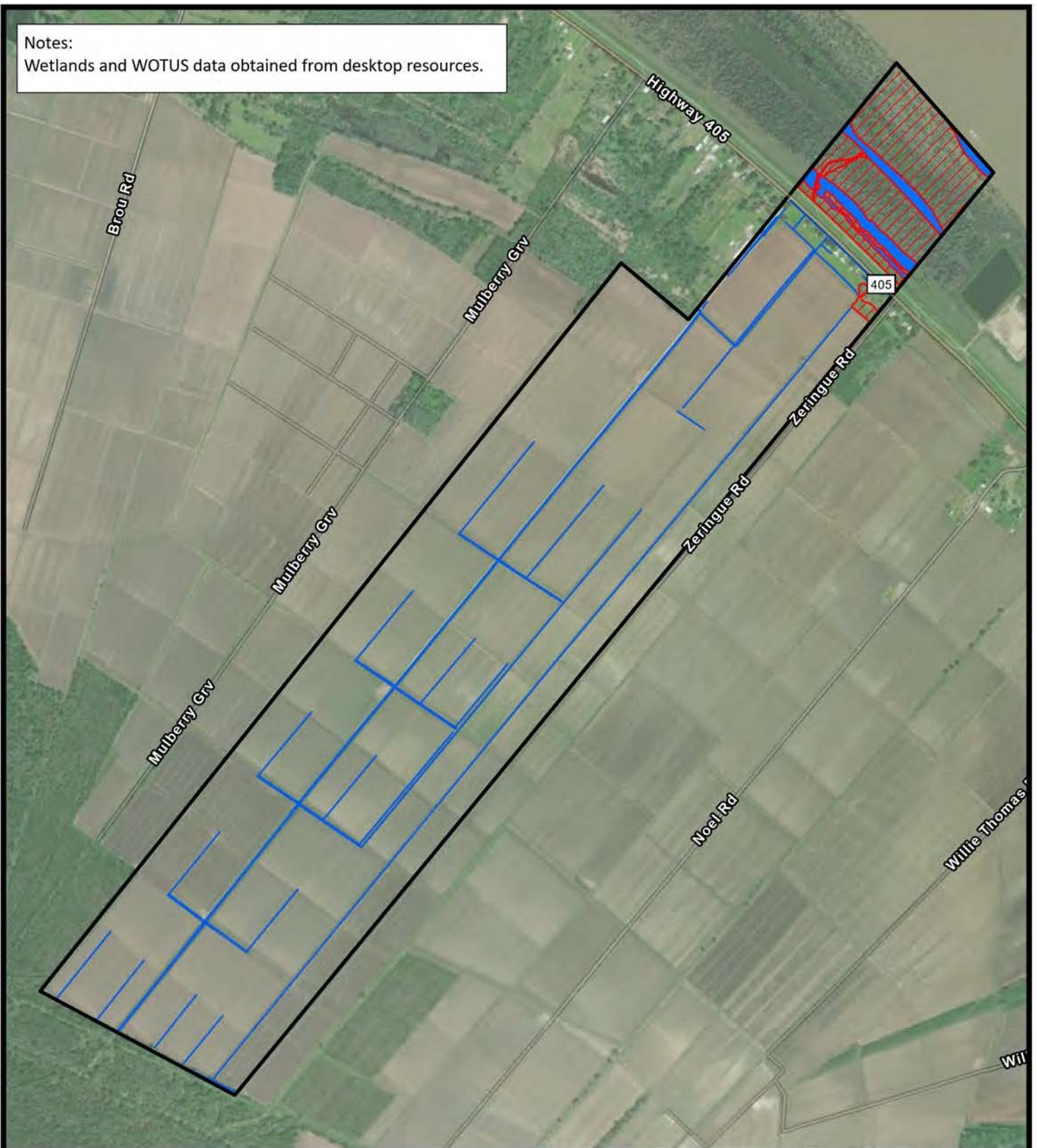
Alternative Analysis
Belle Grove Site

Ascension Parish

Drawn: CAL	Checked: APK
Date: 4/29/2025	Approved: OPB
Dwg. No.: 20046GEO	

Figure 7B

Notes:
Wetlands and WOTUS data obtained from desktop resources.



- Site Boundary
- Non-wetland Waters of the US (18.78 Acres)
- Wetlands (60.51 Acres)



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Feet



World Imagery 3/31/2022, ESRI

CF Industries Blue Point, LLC
Donaldsonville, Louisiana

Low Carbon Ammonia Facility

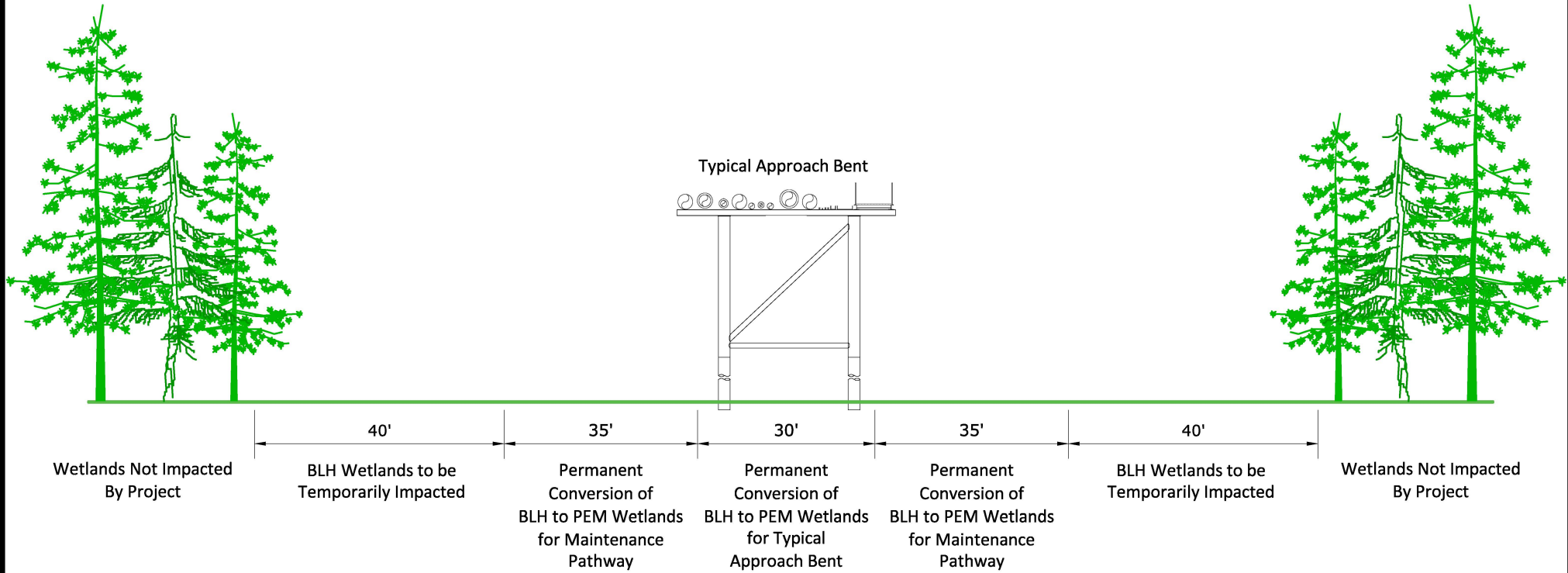
Alternative Analysis Mulberry Grove Plantation Site

Ascension Parish



Drawn: CAL	Checked: APK
Date: 4/29/2025	Approved: OPB
Dwg. No.: 20046GEO	

Figure 7C



Note: BLH Wetlands Temporarily Impacted by the project will be allowed to regenerate naturally following completion of construction.

PRELIMINARY-FOR PERMIT PURPOSES ONLY

CF Industries Blue Point, LLC

Donaldsonville, Louisiana

Low Carbon Ammonia Facility

Cross-Section B-B'

Ascension Parish

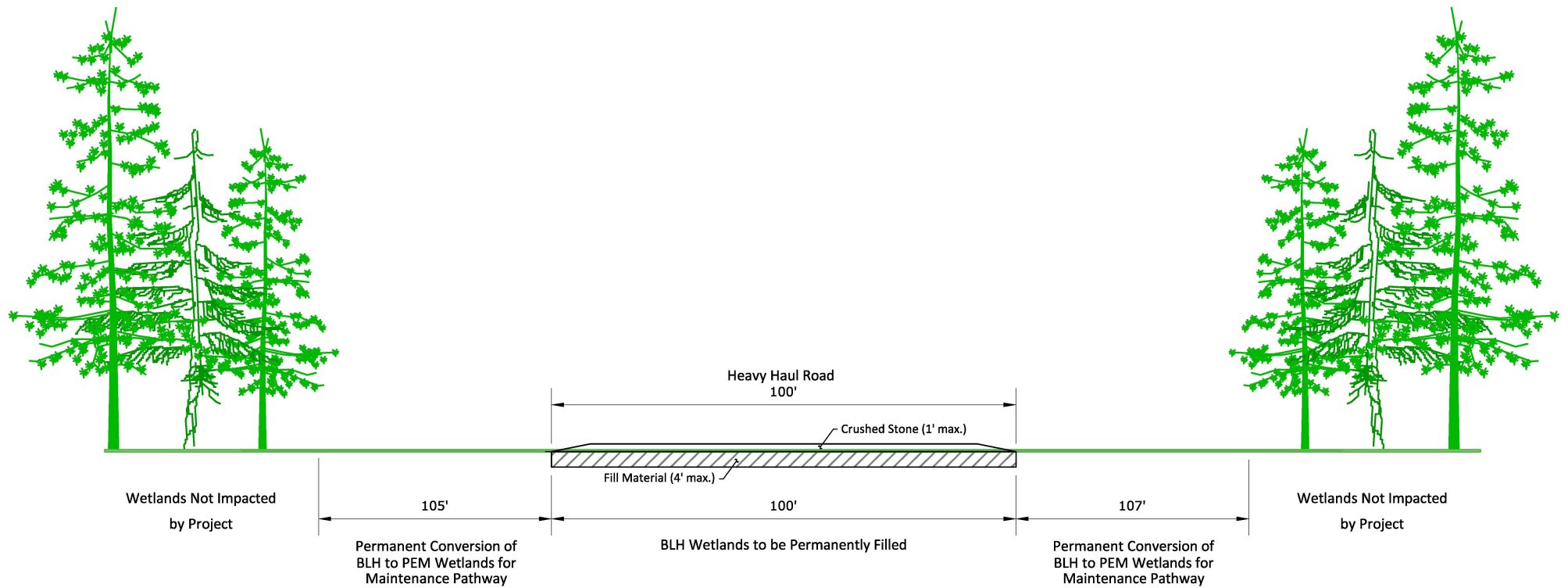


Drawn: CAL Checked: OPB

Date: 4/29/2025 Approved: APK

Dwg. No.: 20046-02

Figure 8



CF Industries Blue Point, LLC

Donaldsonville, Louisiana

Low Carbon Ammonia Facility

Cross-Section C-C'

Ascension Parish



Drawn: CAL Checked: OPB

Date: 7/12/2025 Approved: APK

Dwg. No.: 20046-03

Figure 9

PRELIMINARY-FOR PERMIT PURPOSES ONLY

Notes:

1. Potential wetlands and non-wetland waters of the US impacted by the proposed pipeline were delineated using desktop resources.
2. Location of proposed pipeline and ROW are approximate based on information provided by the applicant.



World Imagery 3/31/2022, ESRI

- Existing Pipeline
- - - Proposed Natural Gas Pipeline (Permitted by Others)
- Proposed Workspaces and Rights-of-Way (50' wide)
- Other Project Areas
- Temporary Impacts to Non-wetland Waters of the US (0.08 Acres)
- Conversion of Forested to Herbaceous Wetlands (1.96 Acres)
- Temporary Impacts to Wetlands (3.65 Acres)

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CF Industries Blue Point, LLC

Donaldsonville, Louisiana

Low Carbon Ammonia Facility

Natural Gas Pipeline (To Be Permitted by Others)

Plan View

Ascension Parish



Drawn: CAL

Checked: OPB

Date: 7/8/2025

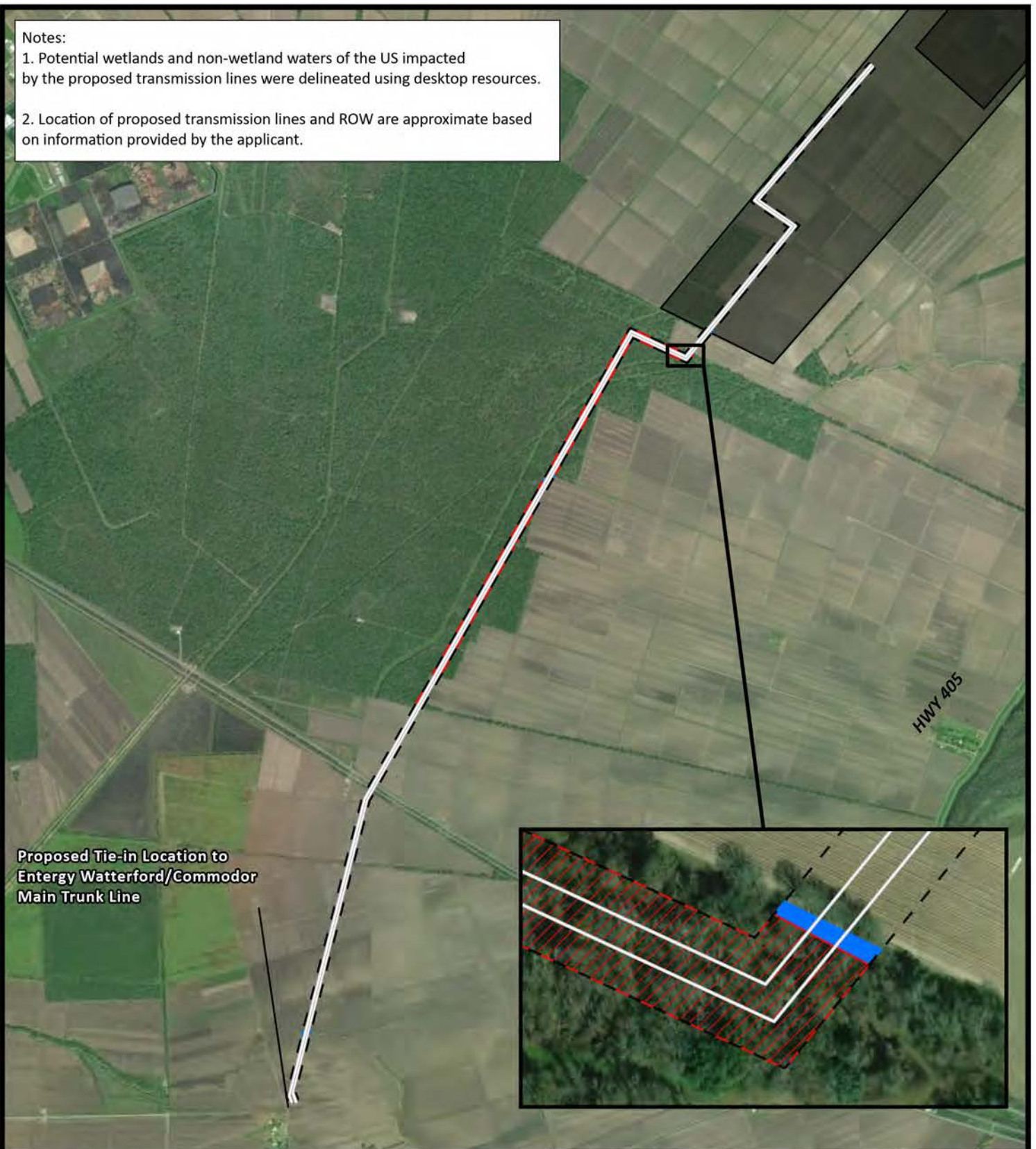
Approved: APK

Dwg. No.: 20046GEO

Figure 10

Notes:

1. Potential wetlands and non-wetland waters of the US impacted by the proposed transmission lines were delineated using desktop resources.
2. Location of proposed transmission lines and ROW are approximate based on information provided by the applicant.



**Proposed Tie-in Location to
Entergy Watterford/Commodor
Main Trunk Line**

HWY 405

- Proposed Transmission Lines (Permitted by Others)
- Proposed Workspaces and Rights-of-Way (175' wide)
- Temporary Impacts to Non-wetland Waters of the US (1.36 Acres)
- Conversion of Forested to Herbaceous Wetlands (37.84 Acres)
- Other Project Areas

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World Imagery 3/31/2022, ESRI

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Feet



CF Industries Blue Point, LLC

Donaldsonville, Louisiana

Low Carbon Ammonia Facility

**Energy Transmission Lines
(To Be Permitted by Others)**

Plan View

Ascension Parish



Drawn: CAL

Checked: OPB

Date: 7/8/2025

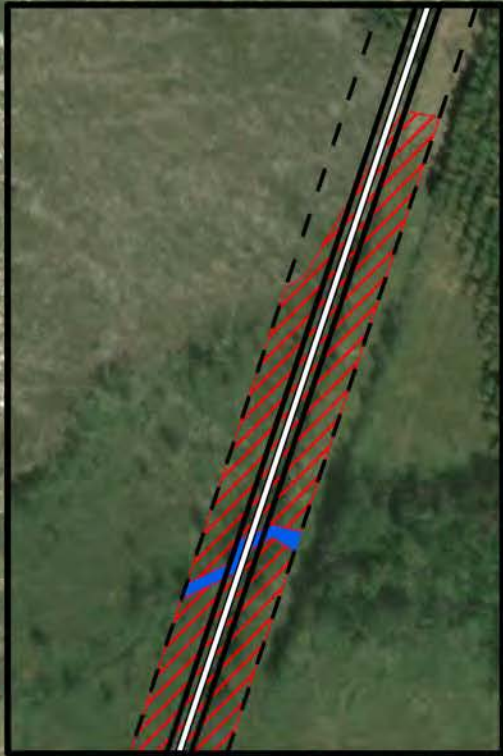
Approved: APK

Dwg. No.: 20046GEO

Figure 11

Notes:

1. Potential wetlands and non-wetland waters of the US impacted by the proposed pipeline were delineated using desktop resources.
2. Location of the proposed pipeline, storage locations, and rights-of way are approximate based on information provided by the client.



DRAFT ROUTE - SUBJECT TO CHANGE

- Proposed CO2 Storage Location (To be Permitted by Others)
- Proposed CO2 Pipeline (To be Permitted by Others)
- Proposed Rights-of-Way (50' wide)
- Proposed Workspaces (200' wide)
- Proposed Low Carbon Ammonia Plant
- Temporary Impacts to Potential Non-Wetland Waters (36 acres)
- Temporary Impacts to Potential Wetlands (608 acres)



World Imagery 3/31/2022, ESRI

CF Industries Blue Point, LLC
Donaldsonville, Louisiana

Low Carbon Ammonia Facility

CO2 Storage Locations and Pipeline
(To Be Permitted by Others)

Plan View

Ascension Parish



Drawn: CAL	Checked: OPB
Date: 4/29/2025	Approved: APK
Dwg. No.: PJ001170	Figure 12

Project Component	Section 10/404 Wetlands			Section 10/404 Non-wetland WOTUS	
	Permanent Impacts (acres)	Temporary Impacts (acres)	Conversion Impacts (acres)	Permanent Impacts (acres)	Temporary Impacts (acres)
Marine Terminal and Pipe Rack	0	1.88	1.75	0	44.97
Heavy Haul Road	1.04	0	0.88	0.05	3.03
Project Component	Section 404 Wetlands			Section 404 Non-wetland WOTUS	
	Permanent Impacts (acres)	Temporary Impacts (acres)	Conversion Impacts (acres)	Permanent Impacts (acres)	Temporary Impacts (acres)
Ammonia Manufacturing Facility	0	0	0	1.69	1.86
Natural Gas Pipeline (permitted by others) *	0	3.65	1.96	0	0.08
Transmission Lines (permitted by others) *	0	0	37.84	0	1.36
CO2 Well and Pipeline (permitted by others) *	0	608	--	0	36

*Impacts are approximate and estimated assuming standard construction practices and desktop resources.

CF Industries Blue Point, LLC

Donaldsonville, Louisiana

Low Carbon Ammonia Facility

WOTUS Impacts Summary

Ascension Parish



Drawn: CEO

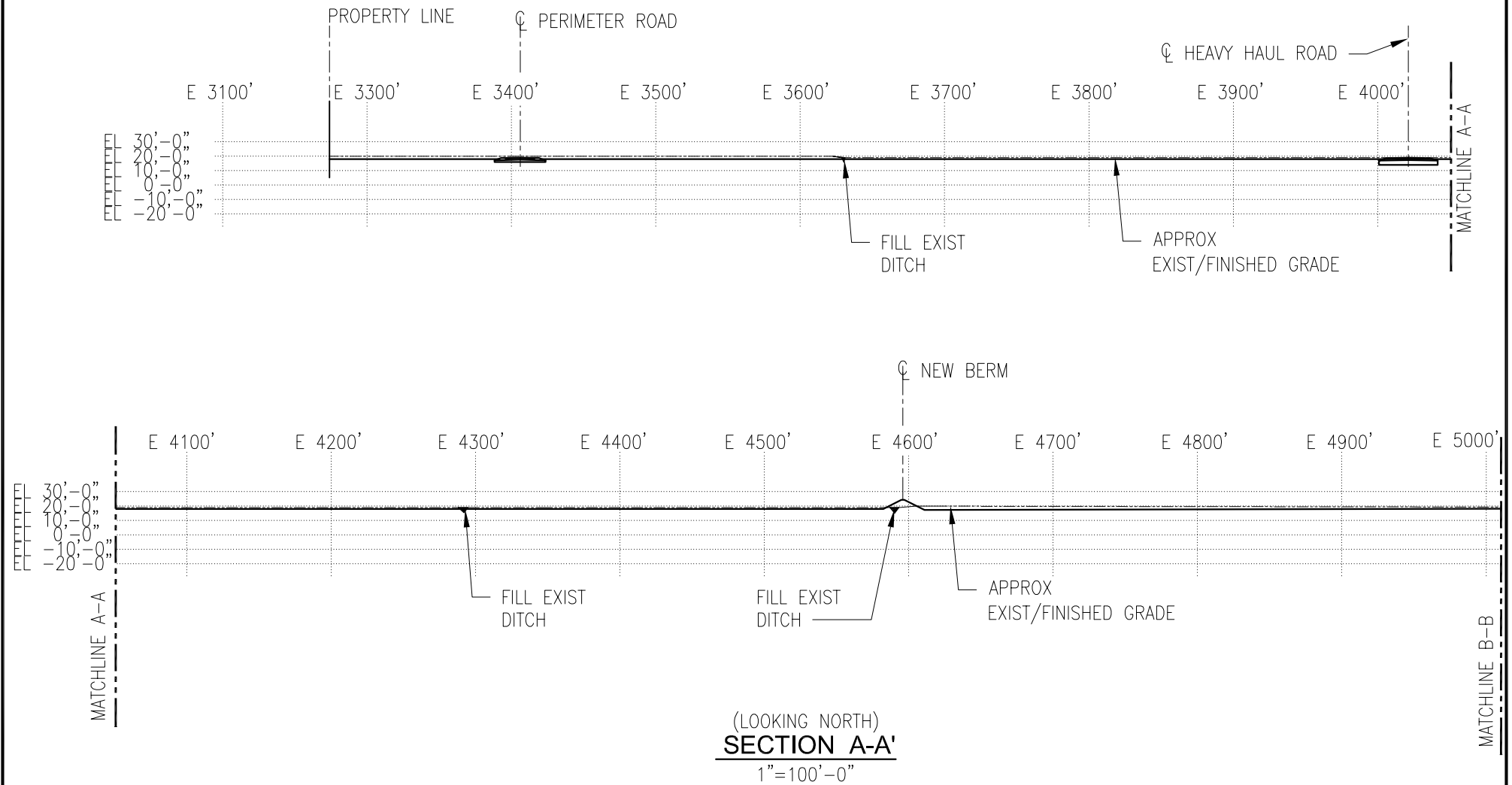
Checked: OPB

Date: 8/5/2025

Approved: APK

Dwg. No.: 20046GEO

Figure 13



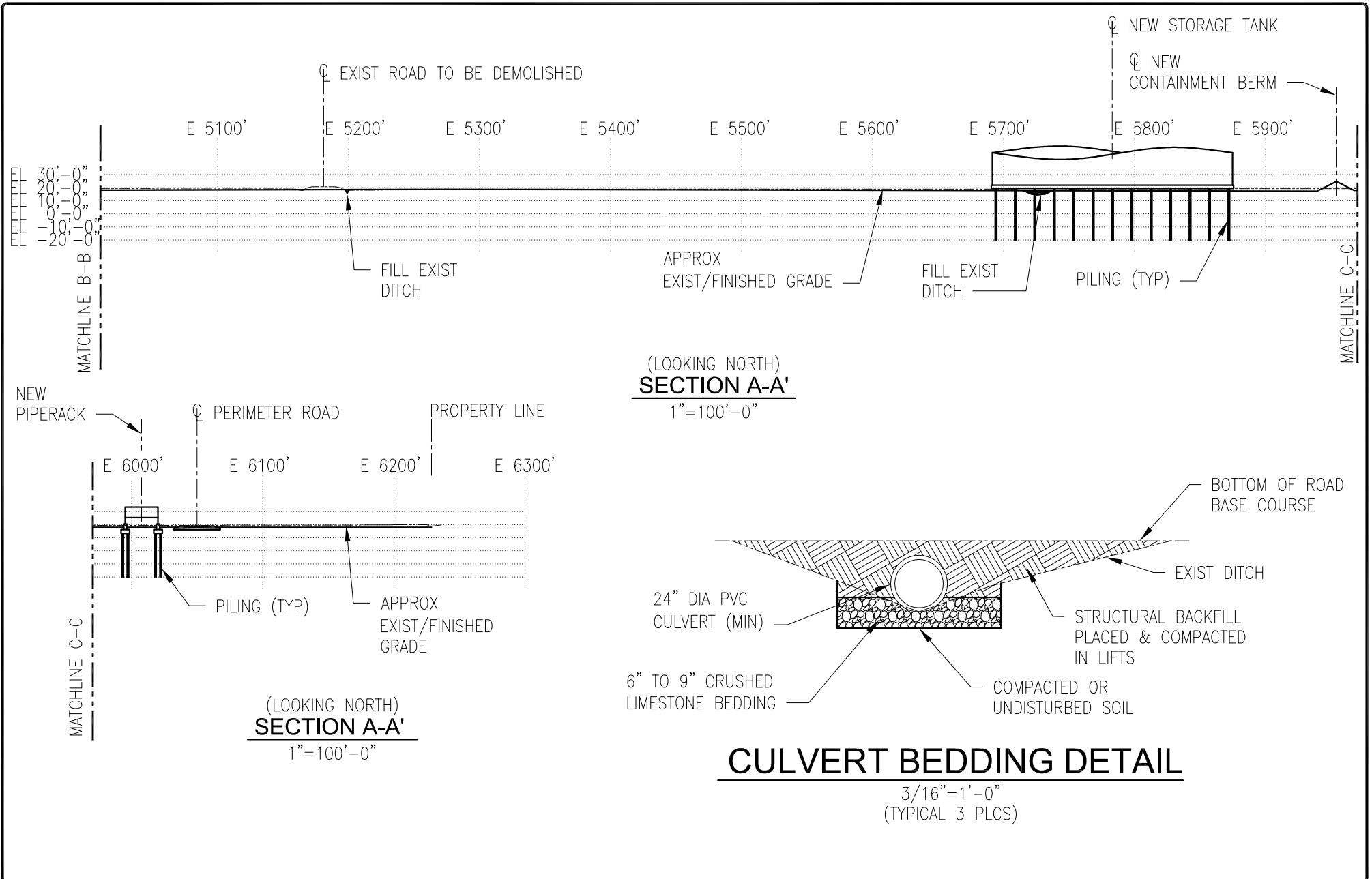
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CHECKED BB
ISSUE DATE 06/23
PROJECT NO. C18.D275500.BR00

CF INDUSTRIES BLUE POINT, LLC
 SITE INFRASTRUCTURE FACILITIES
 MODESTE, LOUISIANA
 ASCENSION PARISH
 FOR CF INDUSTRIES-MODESTE

REVISION	BY	DRAWING NUMBER:
REVISION 0	CL/BB	USACE-SK-001
REVISION		

PRELIMINARY
 FOR PERMIT PURPOSES ONLY
 BRIAN BARIENT
 LA PE # 23245
 CDI ENGINEERING SOLUTIONS, LLC

CDI Engineering Solutions
 CDI ENGINEERING SOLUTIONS, LLC
 4041 ESSEN LANE, SUITE 300
 BATON ROUGE, LA 70809
 (225) 663-4600
 LOUISIANA LICENSE NO. EF 0006994

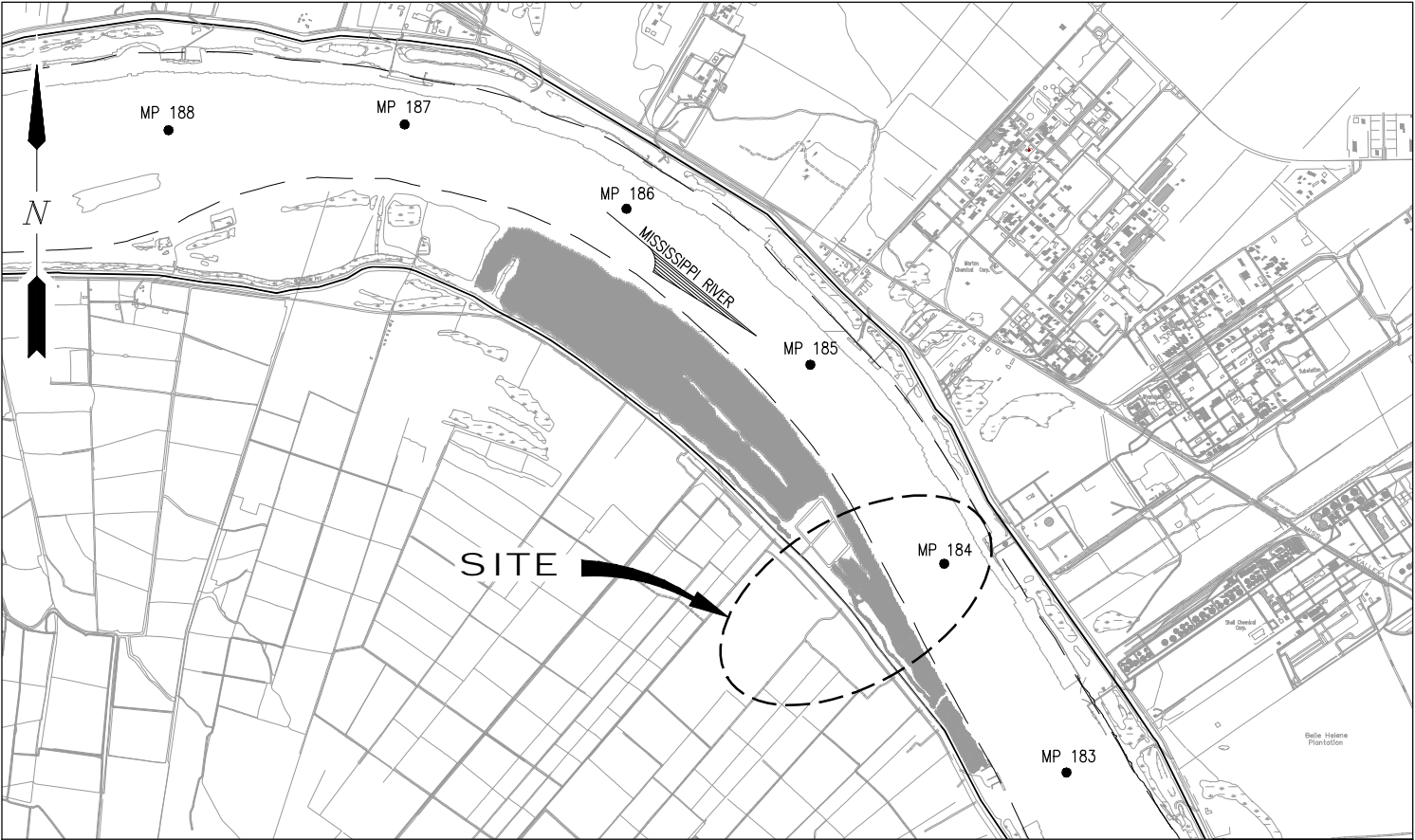


DRAWN CL
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ISSUE DATE 06/23
PROJECT NO. C18.D275500.BR00

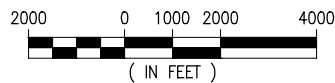
CF INDUSTRIES BLUE POINT, LLC
SITE INFRASTRUCTURE FACILITIES
MODESTE, LOUISIANA
ASCENSION PARISH
FOR CF INDUSTRIES-MODESTE

REVISION	BY	DRAWING NUMBER:
REVISION 0	CL/BB	USACE-SK-002
REVISION		PRELIMINARY
		FOR PERMIT PURPOSES ONLY
		BRIAN BARIENT
		LA PE # 23245
		CDI ENGINEERING SOLUTIONS, LLC

CDI Engineering Solutions
CDI ENGINEERING SOLUTIONS, LLC
4041 ESSEN LANE, SUITE 300
BATON ROUGE, LA 70809
(225) 663-4600
LOUISIANA LICENSE NO. EF 0006994



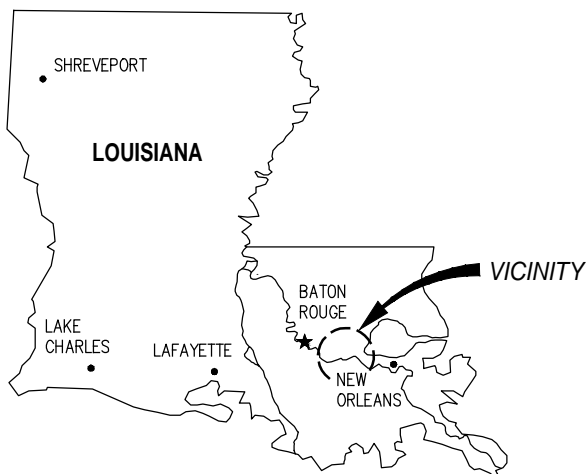
VICINITY MAP
SCALE: 1"=4000'



ASCENSION PARISH, LA
LAT. 30° 11' 08" N
LONG. 91° 01' 16" W

NOTES

1. AS-BUILT DRAWINGS AND/OR PLANS SHALL HAVE WRITTEN ON THEM THE DATE OF COMPLETION OF SAID ACTIVITIES AND SHALL BE SUBMITTED TO THE LOUISIANA DEPARTMENT OF NATURAL RESOURCES, OFFICE OF COASTAL MANAGEMENT, P.O. BOX 44487, BATON ROUGE, LA 70804-4487 WITHIN 30 DAYS FOLLOWING PROJECT COMPLETION.
2. ALL STRUCTURES, FACILITIES, WELLS, AND PIPELINES/FLOWLINES OCCURRING IN OPEN WATER AREAS OR IN OILFIELD CANALS OR SLIPS SHALL BE REMOVED WITHIN 120 DAYS OF ABANDONMENT OF THE FACILITIES FOR THE HEREIN PERMITTED USE UNLESS PRIOR WRITTEN APPROVAL TO LEAVE SUCH STRUCTURES IN PLACE IS RECEIVED FROM THE COASTAL MANAGEMENT DIVISION. THIS CONDITION DOES NOT PRECLUDE THE NECESSITY FOR REVISING THE CURRENT PERMIT OR OBTAINING A SEPARATE COASTAL USE PERMIT, SHOULD ONE BE REQUIRED.
3. STRUCTURES MUST ALSO BE MARKED/LIGHTED IN ACCORDANCE WITH U.S. COAST GUARD REGULATIONS.
4. IN ORDER TO ENSURE THE SAFETY OF ALL PARTIES, THE PERMITEE SHALL CONTACT THE LOUISIANA ONE CALL SYSTEM (1-800-272-3020) A MINIMUM OF 48 HOURS PRIOR TO THE COMMENCEMENT OF ANY EXCAVATION (DIGGING, DREDGING, JETTING, ETC.) OR DEMOLITION ACTIVITY.
5. HORIZONTAL DATUM REFERENCED TO LOUISIANA STATE PLANE NAD83.
6. ALL ELEVATIONS ARE EXPRESSED IN FEET AND TENTHS AND ARE REFERENCED TO NORTH AMERICAN VERTICAL DATUM 1988 (NAVD88). UNLESS NOTED OTHERWISE.
7. NO IMPACTS TO RARE, THREATENED OR ENDANGERED SPECIES OR CRITICAL HABITATS ARE ANTICIPATED FROM THE PROPOSED PROJECT. NO STATE OR FEDERAL PARKS, WILDLIFE REFUGES, WILDLIFE MANAGEMENT AREAS OR SCENIC RIVERS ARE KNOWN AT THE SPECIFIED SITE OR WITHIN ¼ MILE OF THE PROPOSED PROJECT. THE WILDLIFE DIVERSITY PROGRAM (WDP) REPORTS SUMMARIZE THE EXISTING INFORMATION KNOWN AT THE TIME OF THE REQUEST REGARDING THE LOCATION IN QUESTION. WDP REPORTS SHOULD NOT BE CONSIDERED FINAL STATEMENTS ON THE BIOLOGICAL ELEMENTS OR AREAS BEING CONSIDERED, NOR SHOULD THEY BE SUBSTITUTED FOR ON-SITE SURVEYS REQUIRED FOR ENVIRONMENTAL ASSESSMENTS. IF AT ANY TIME WDP TRACKED SPECIES ARE ENCOUNTERED WITHIN THE PROJECT AREA, PLEASE CONTACT OUR BIOLOGIST AT 225-763-3554.



AREA MAP

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LA PE #33945

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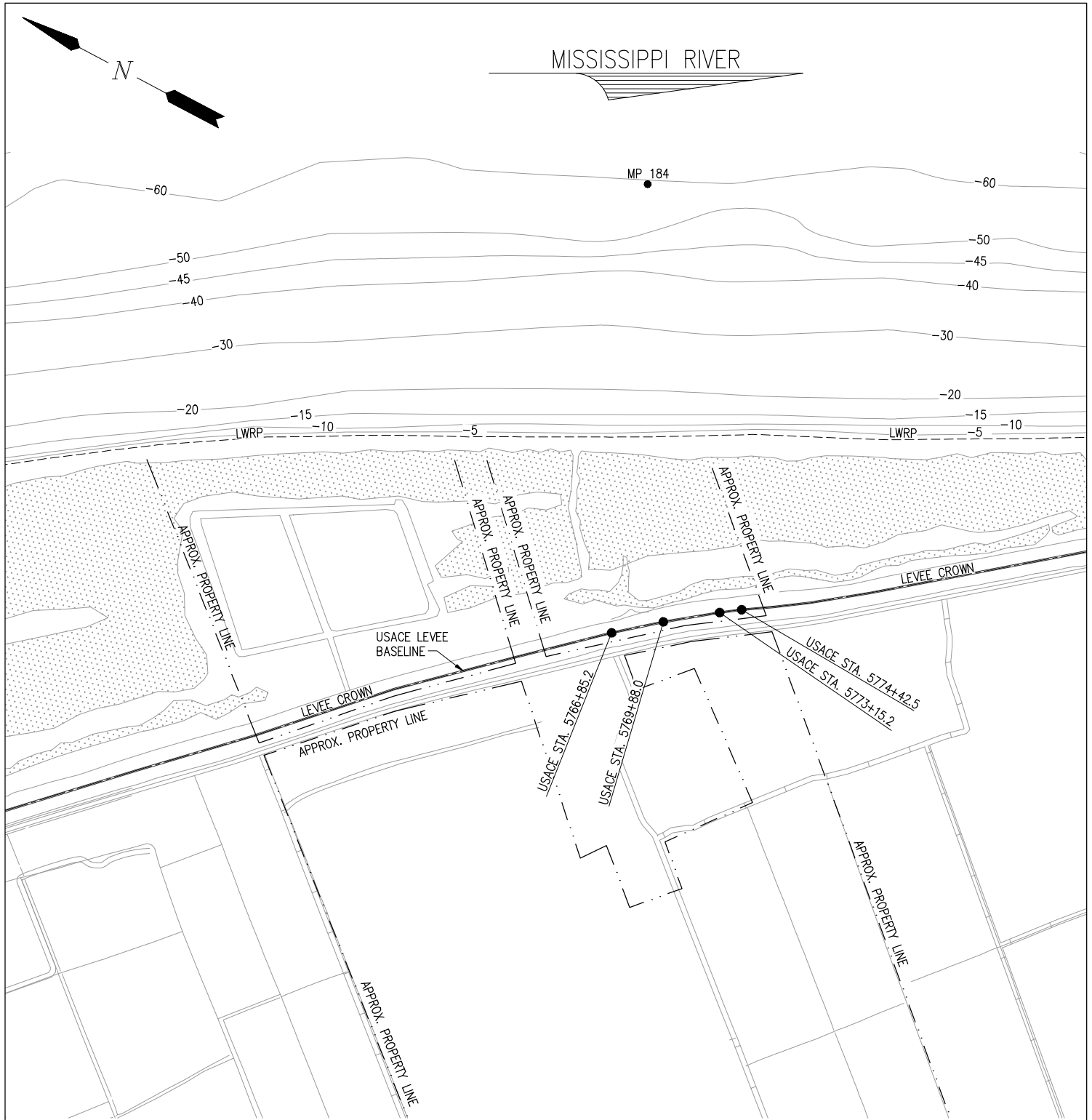
LANIER & ASSOCIATES
CONSULTING ENGINEERS
INCORPORATED

LA: EF-1120 TX: F-2981
NEW ORLEANS • BEAUMONT • CORPUS CHRISTI • HOUSTON

CF INDUSTRIES BLUE POINT, LLC
ASCENSION PARISH LOUISIANA

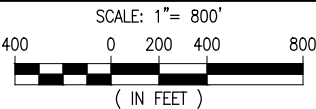
BLUE AMMONIA PLANT PROJECT
NEW MARINE TERMINAL
VICINITY MAP, AREA MAP & NOTES

DATE DEC. 22'
DESIGN ETW
DRAWN TPM
CHECK CLO
JOB NO 12117
SHEET No.
1 OF 24



NOTES:
1. SURVEY DATA PROVIDED BY USACE 2020 REVETMENT SURVEY AND 2016 USACE LIDAR SURVEY INFORMATION .

OVERALL EXISTING SITE PLAN



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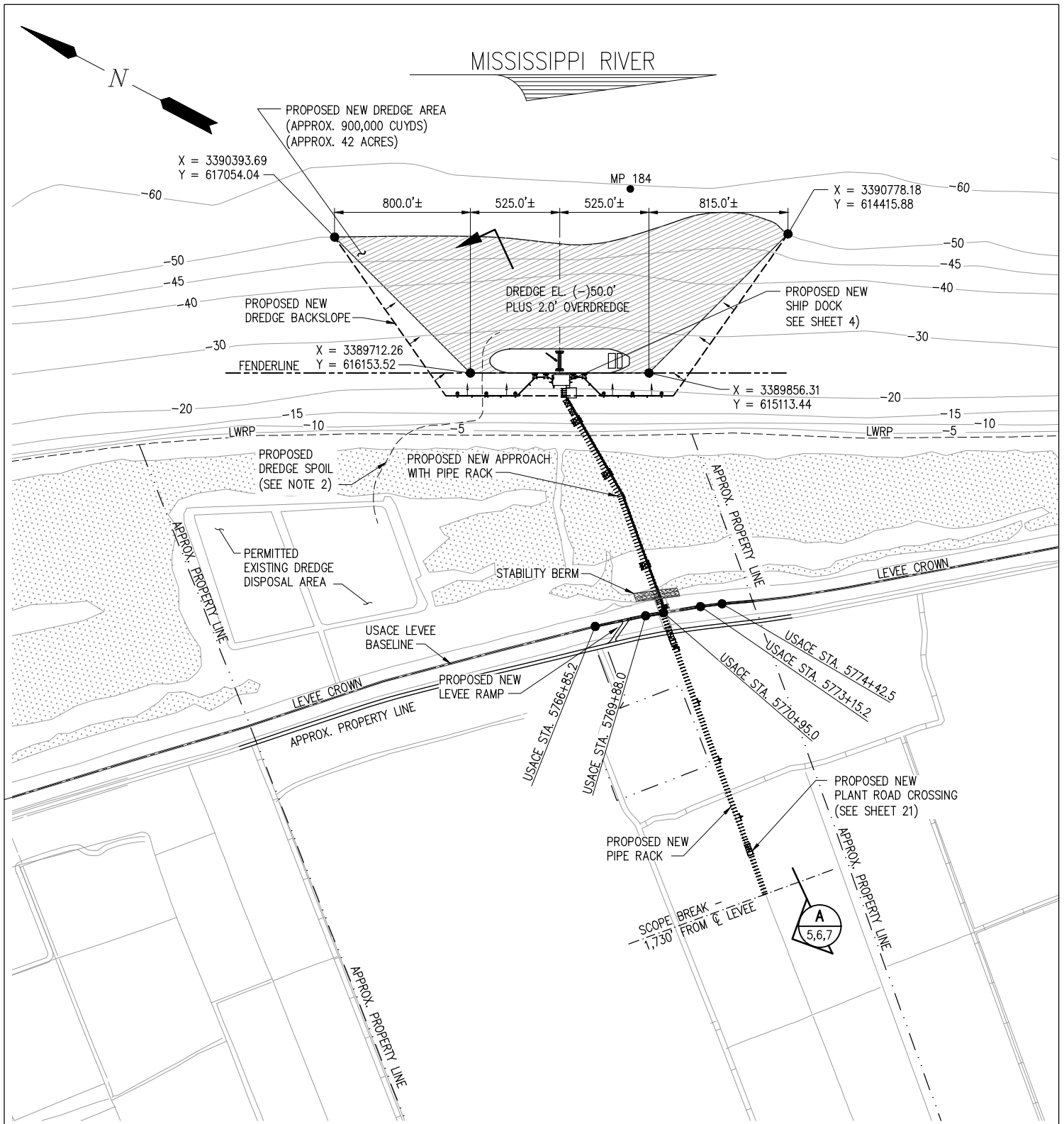
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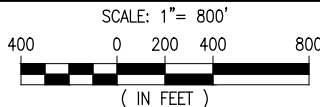
CF INDUSTRIES BLUE POINT, LLC
ASCENSION PARISH LOUISIANA

BLUE AMMONIA PLANT PROJECT
NEW MARINE TERMINAL
OVERALL EXISTING SITE PLAN

DATE DEC. 22'
DESIGN ETW
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JOB NO 12117
SHEET No.
2 OF 24



OVERALL NEW SITE PLAN

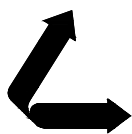


- NOTES:
1. SURVEY DATA PROVIDED BY USACE 2020 REVETMENT SURVEY AND 2016 USACE LIDAR SURVEY INFORMATION.
 2. DREDGE MATERIAL TO BE DISPOSED IN THE EXISTING PERMITTED DREDGE DISPOSAL AREA.
 3. INITIAL DREDGE TO BE PERFORMED WITH A 30" DREDGE (+/- 20 DAYS).

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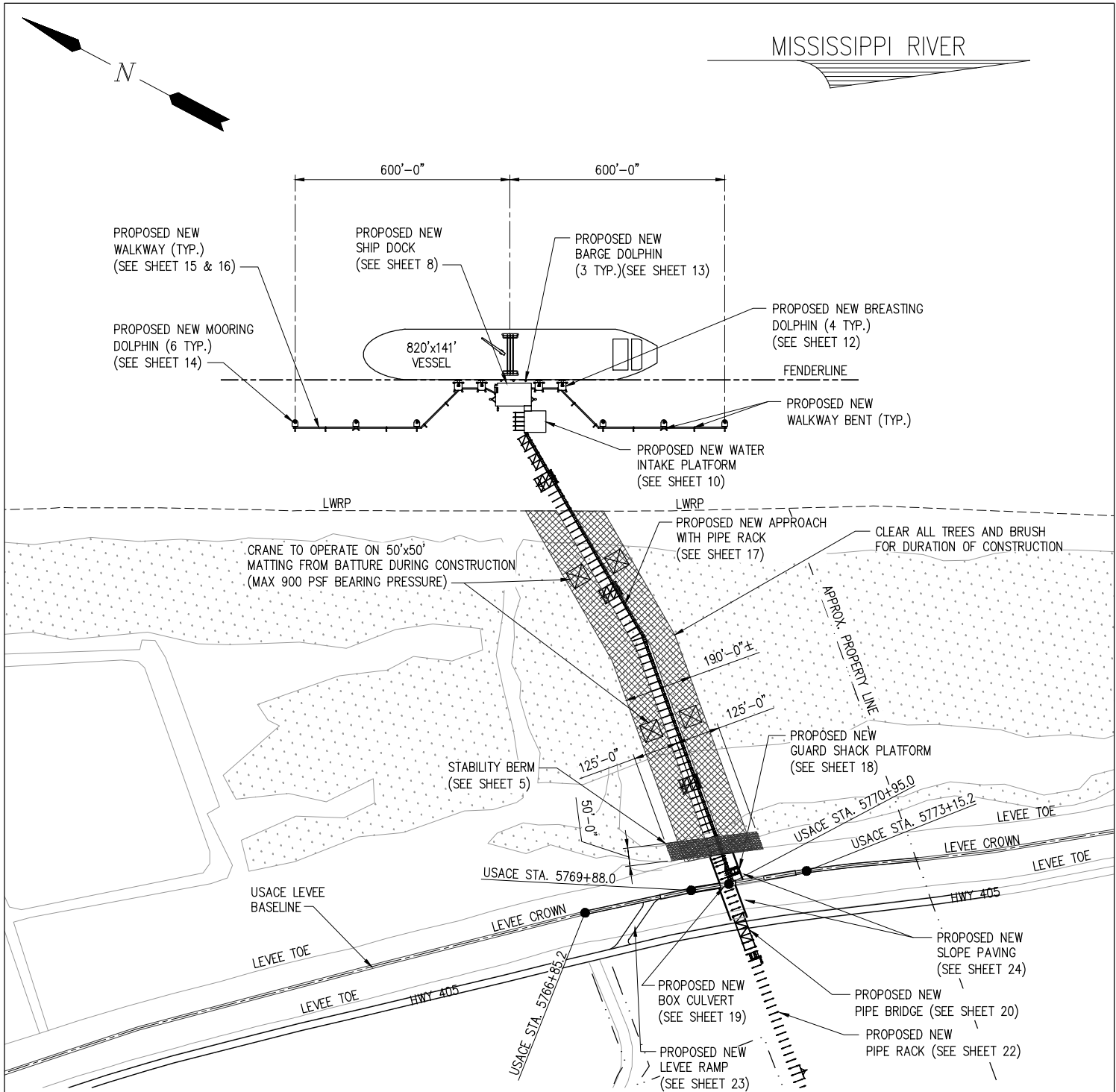
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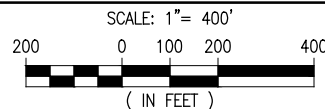
BLUE AMMONIA PLANT PROJECT
NEW MARINE TERMINAL
OVERALL SITE PLAN

DATE DEC. 22'
DESIGN ETW
DRAWN TPM
CHECK CLO
JOB NO 12117
SHEET No.
3 OF 24



NOTES:
1. SURVEY DATA PROVIDED BY USACE 2020 REVETMENT SURVEY AND 2016 USACE LIDAR SURVEY INFORMATION .

ENLARGED NEW SITE PLAN



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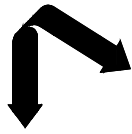
CF INDUSTRIES BLUE POINT, LLC
ASCENSION PARISH LOUISIANA

BLUE AMMONIA PLANT PROJECT
NEW MARINE TERMINAL
ENLARGED NEW SITE PLAN

DATE DEC. 22'
DESIGN ETW
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JOB NO 12117
SHEET No.
4 OF 24

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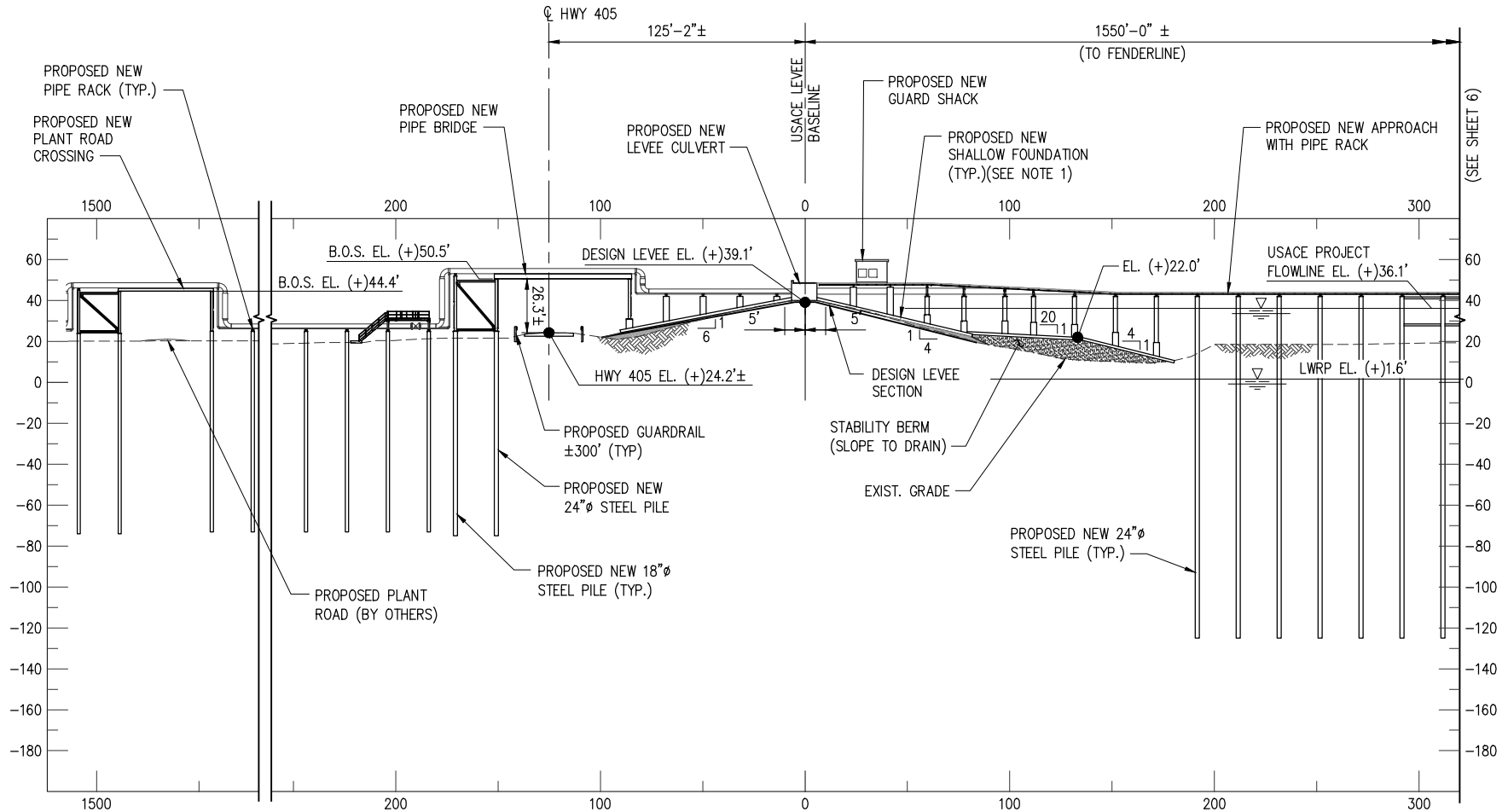
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LOUISIANA

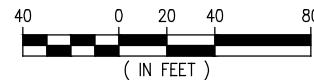
BLUE AMMONIA PLANT PROJECT
NEW MARINE TERMINAL
CROSS SECTION (1 OF 3)

DATE DEC. 22'
DESIGN ETW
DRAWN TPM
CHECK CLO
JOB NO. 12117
SHEET No. 5 OF 24



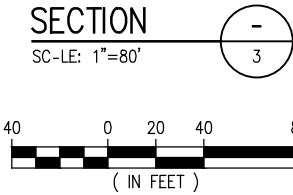
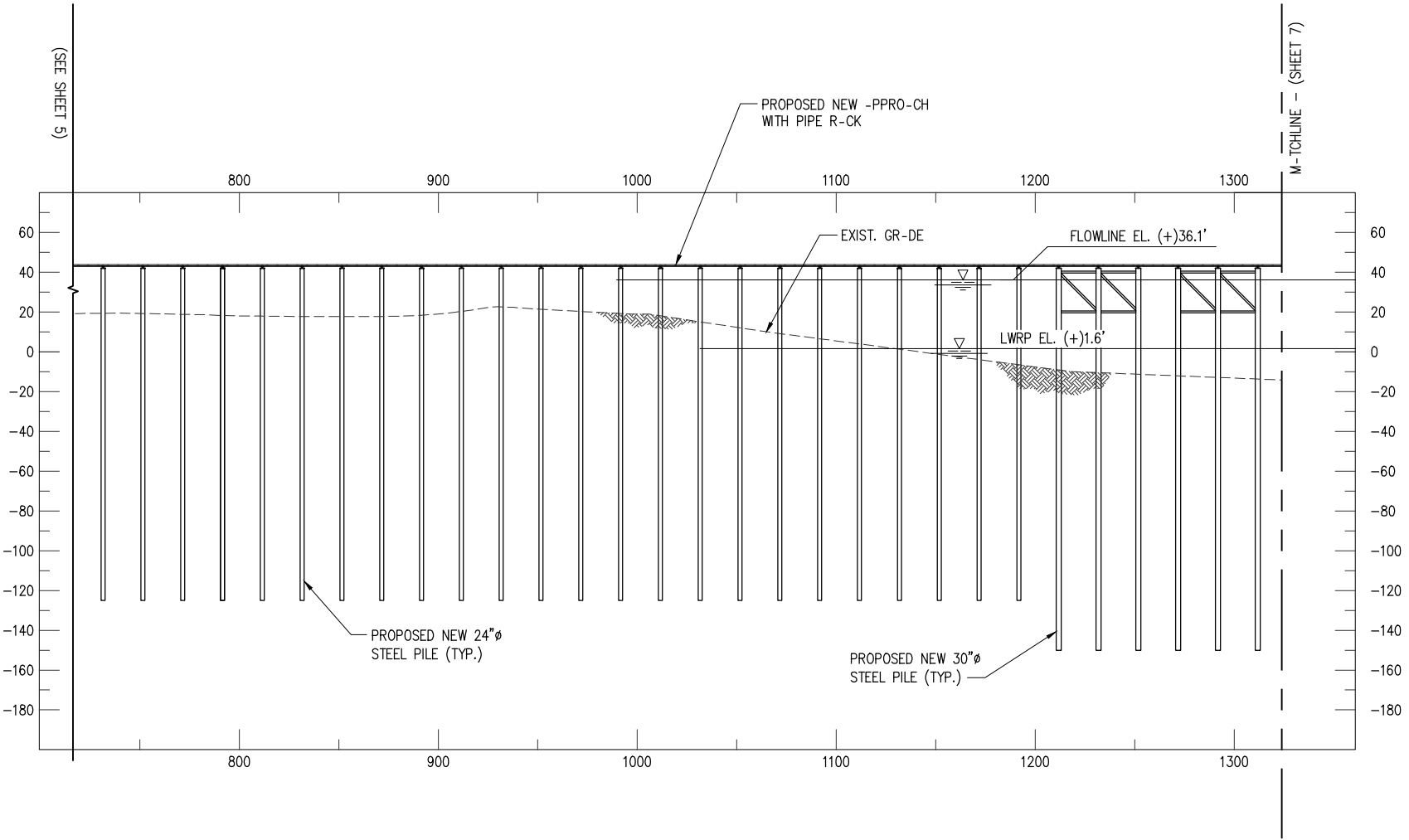
SECTION

SCALE: 1"=80'



NOTES:

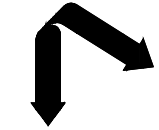
1. THE BOTTOM OF THE PROPOSED NEW SHALLOW FOUNDATION ON THE LEVEE WILL BE A MINIMUM OF 6" ABOVE THE DESIGN LEVEE SECTION TO ACCOUNT FOR SETTLEMENT.
2. ADDITIONAL LEVEE FILL MUST HAVE AN ORGANIC CONTENT OF NO GREATER THAN 12%, AS DETERMINED BY ASTM D2974, METHOD C. THE PLASTICITY INDEX OF THE NEW FILL MUST BE 10 OR MORE BY ATTERBERG LIMITS BY ASTM D4318, AND THAT THE MATERIAL IS CLASSIFIED AS EITHER A CH OR CL BY ASTM D2487, WITH LESS THAN 35% SAND RETAINED ON THE No. 200 SIEVE BY ASTM D1140.
3. THE APPROACH AND PIPE RACK CROSSING TO BE CONSTRUCTED IN ACCORDANCE WITH USACE STANDARD DRAWING "SURFACE CROSSINGS TYPICAL FOR RIVER LEVEES", FILE NO. H-8-29027, SHEET 4 OF 7. THE LEVEE STABILITY BERM TO BE CONSTRUCTED WITH THE SAME LEVEE FILL METHODOLOGY.



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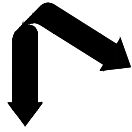
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ASCENSION PARISH LOUISIANA
BLUE AMMONIA PLANT PROJECT
NEW MARINE TERMINAL
CROSS SECTION (2 OF 3)

DATE DEC. 22'
DESIGN ETW
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CHECK CLO
JOB NO. 12117
SHEET No. 6 OF 24

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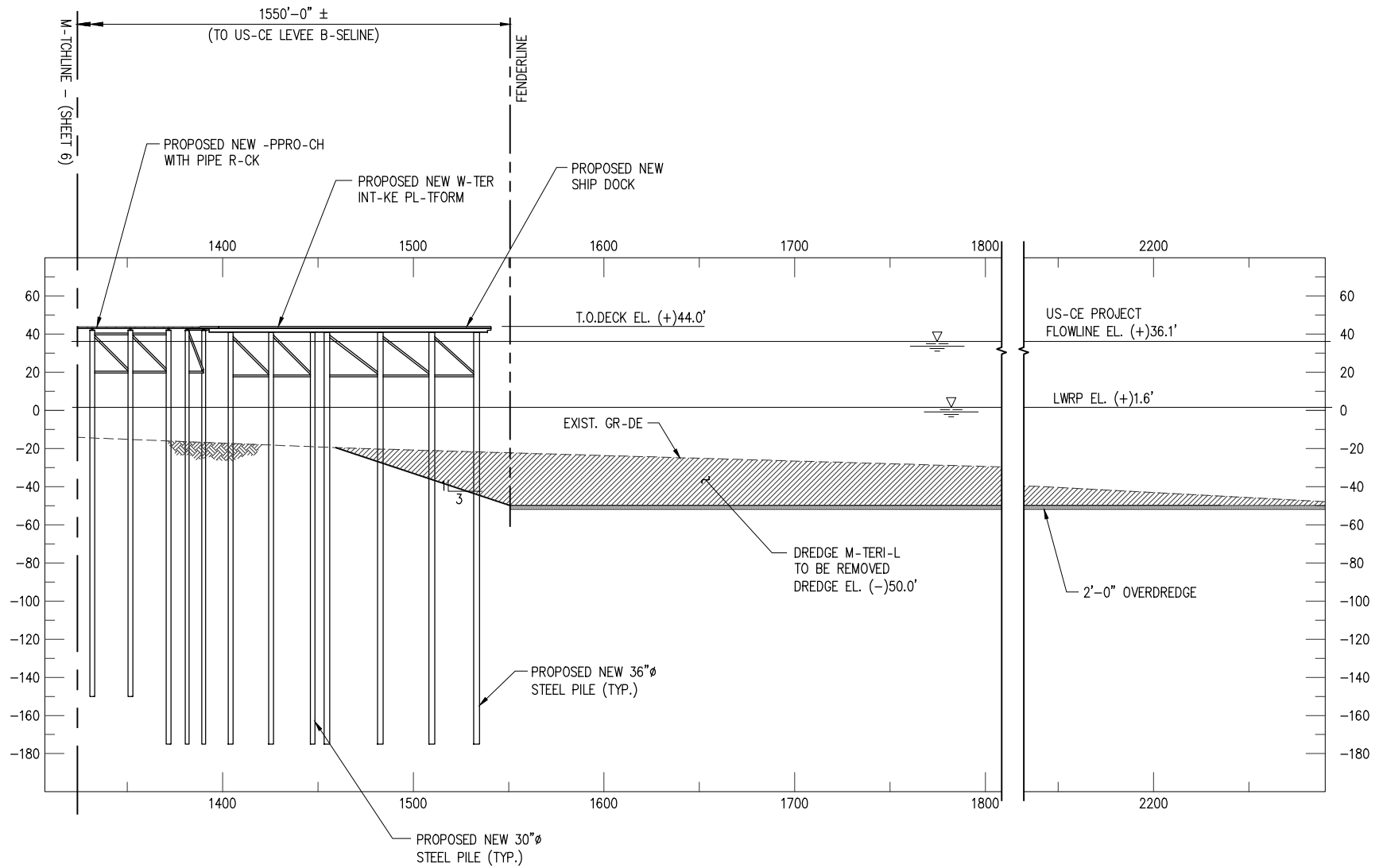
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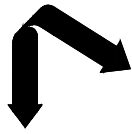
CF INDUSTRIES BLUE POINT, LLC
ASCENSION PARISH, LOUISIANA
BLUE AMMONIA PLANT PROJECT
NEW MARINE TERMINAL
CROSS SECTION (3 OF 3)

DATE DEC. 22'
DESIGN ETW
DRAWN TPM
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JOB NO. 12117
SHEET No. 7 OF 24



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LA PE #53945

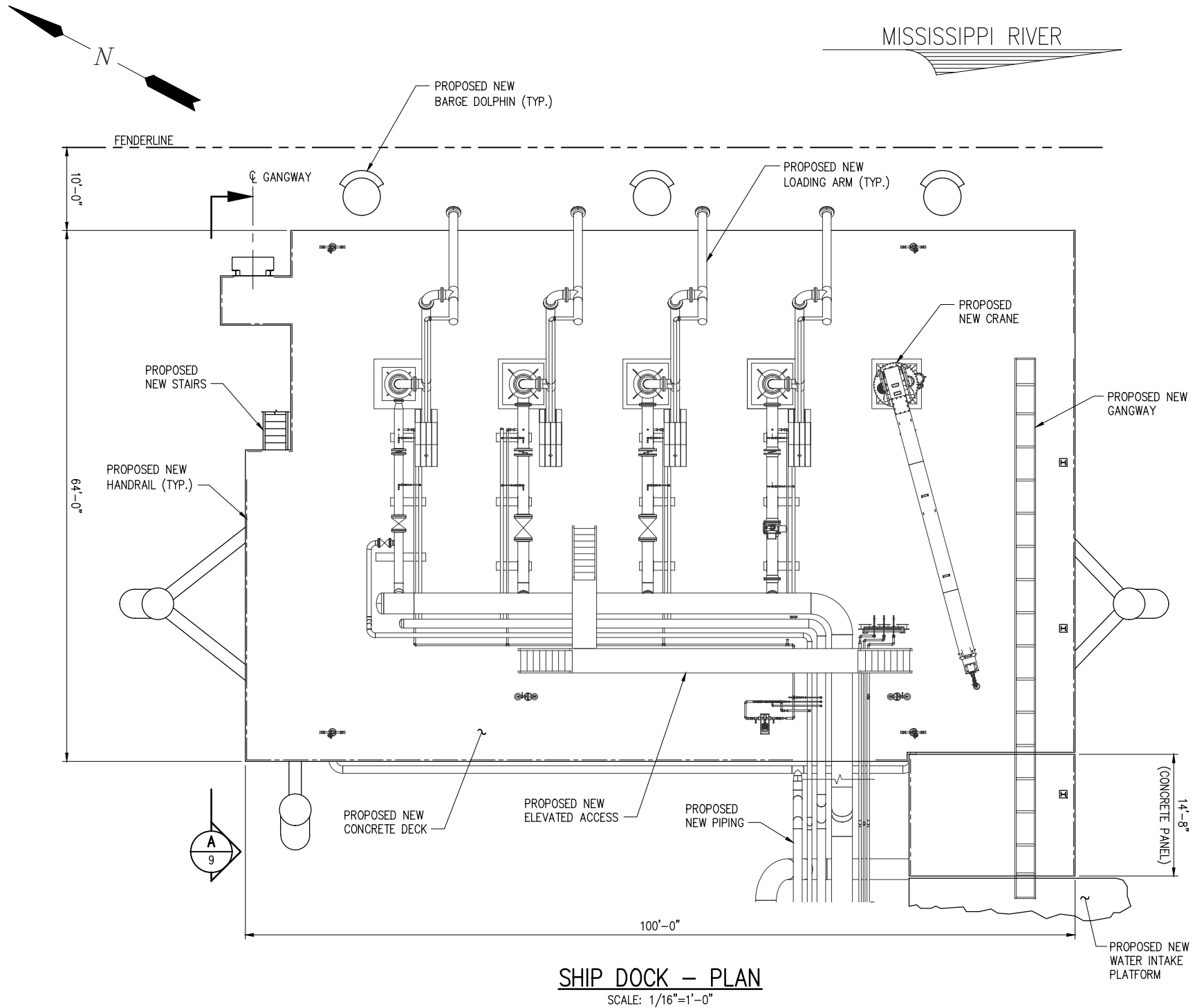
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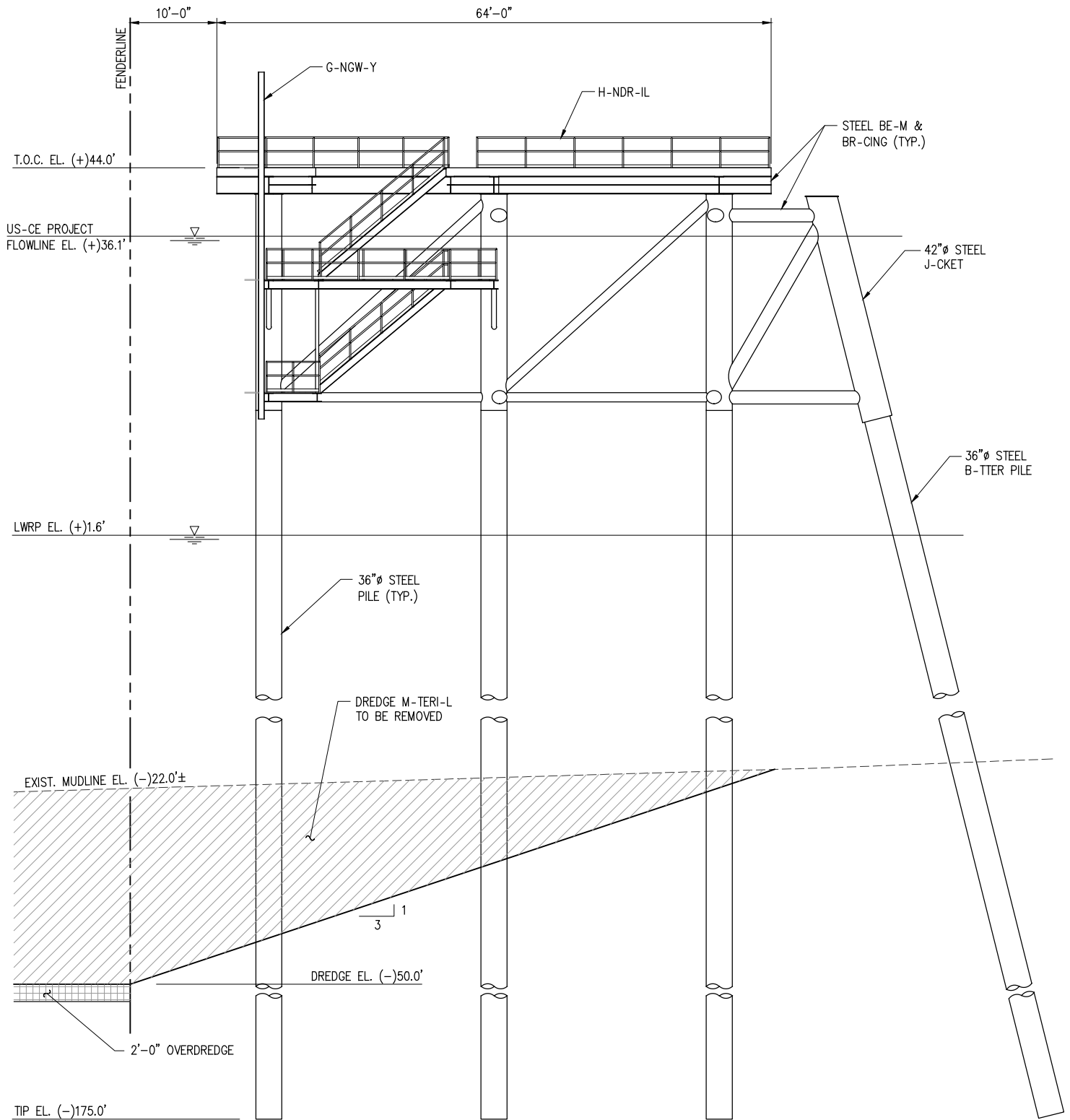
CF INDUSTRIES BLUE POINT, LLC
ASCENSION PARISH
LOUISIANA
BLUE AMMONIA PLANT PROJECT
NEW MARINE TERMINAL
SHIP DOCK - PLAN

DATE DEC. 22'
DESIGN ETW
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JOB NO 12117
SHEET No. 8 OF 24



SHIP DOCK - PLAN

SCALE: 1/16"=1'-0"



SECTION

SC-LE: 1/16"=1'-0"



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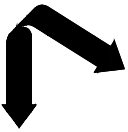
BLUE AMMONIA PLANT PROJECT
NEW MARINE TERMINAL
SHIP DOCK - SECTION

DATE DEC. 22'
DESIGN ETW
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JOB NO 12117
SHEET No.
9 OF 24

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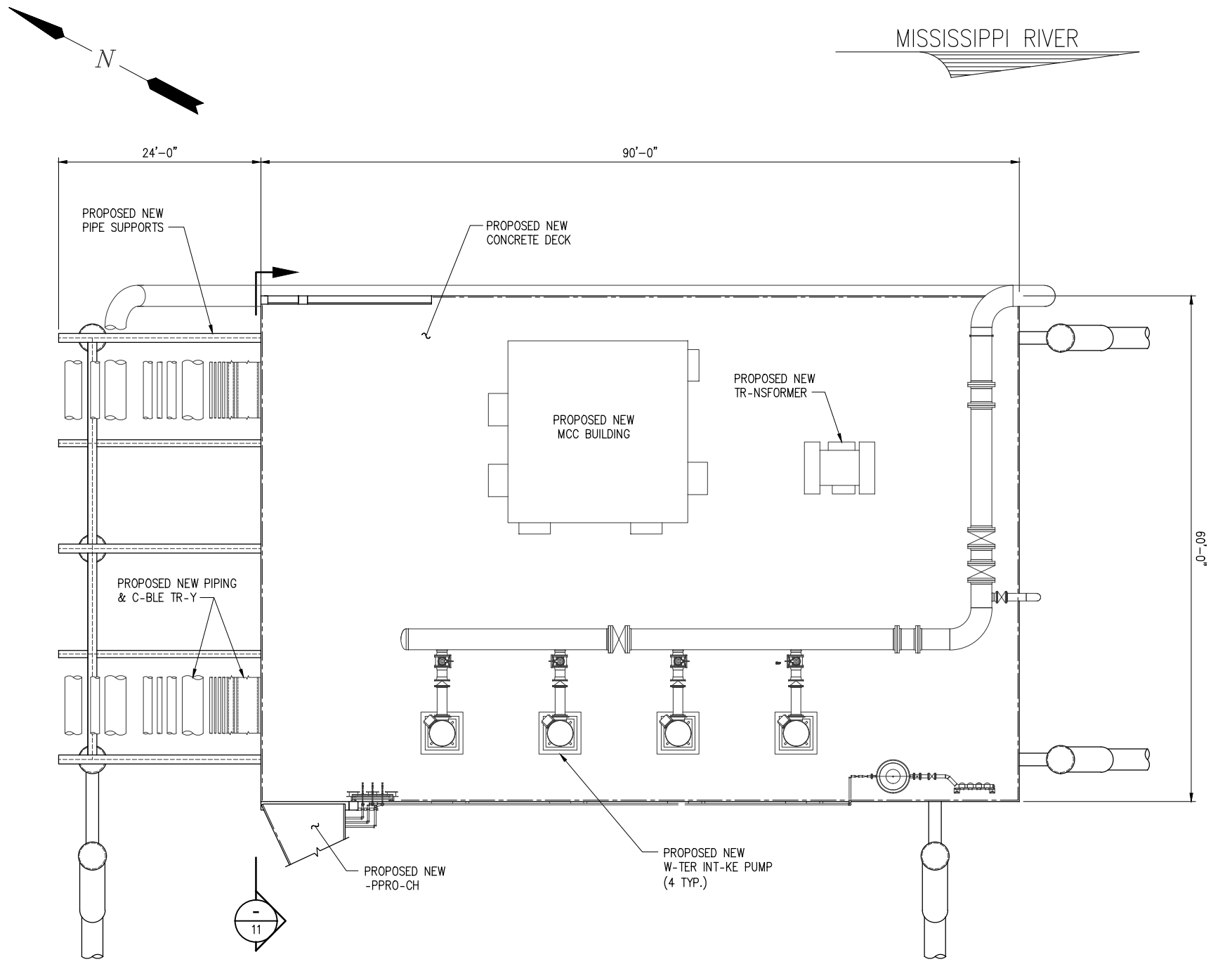
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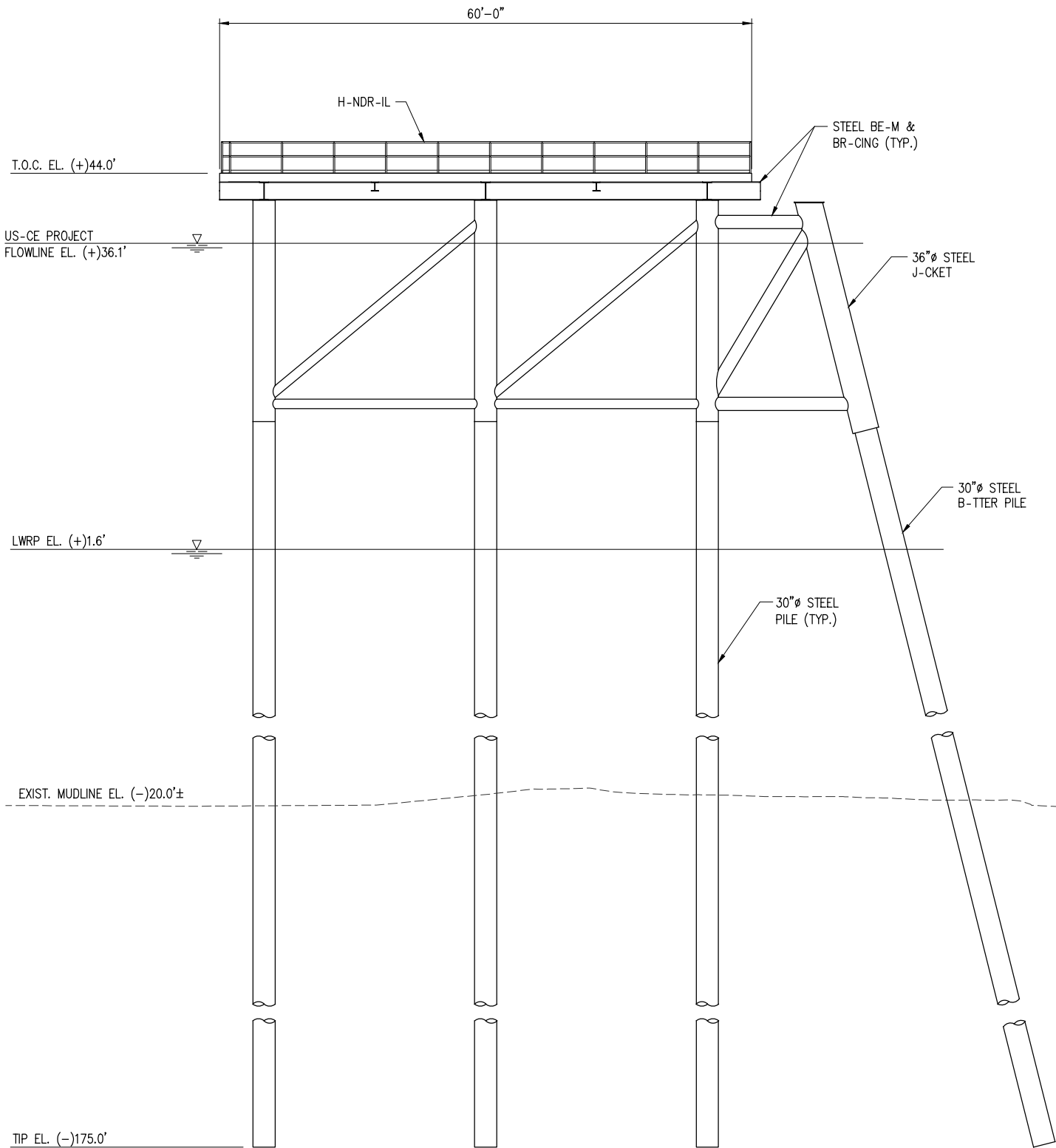
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LOUISIANA
BLUE AMMONIA PLANT PROJECT
NEW MARINE TERMINAL
WATER INTAKE PLATFORM - PLAN

DATE DEC. 22'
DESIGN ETW
DRAWN TPM
CHECK CLO
JOB NO 12117
SHEET No.
10 OF 24



PROPOSED NEW WATER INTAKE PLATFORM PLAN
SC-LE: 1/16"=1'-0"



SECTION

SC-LE: 1/16"=1'-0"



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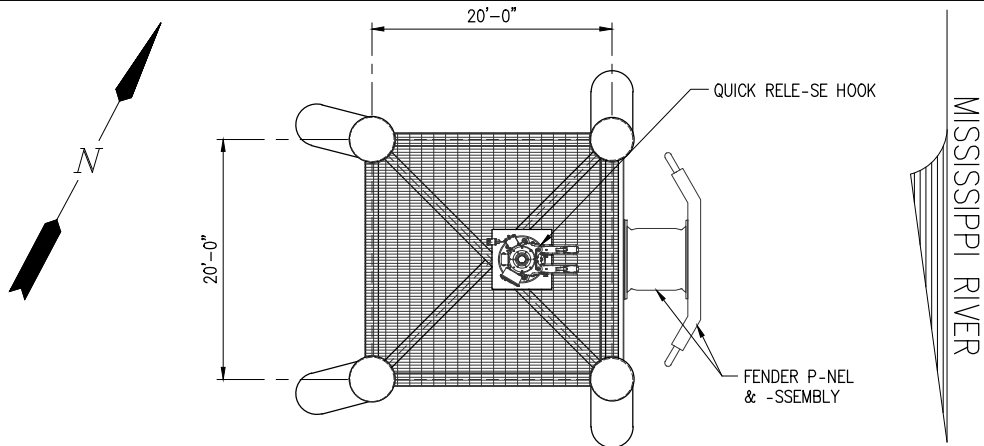
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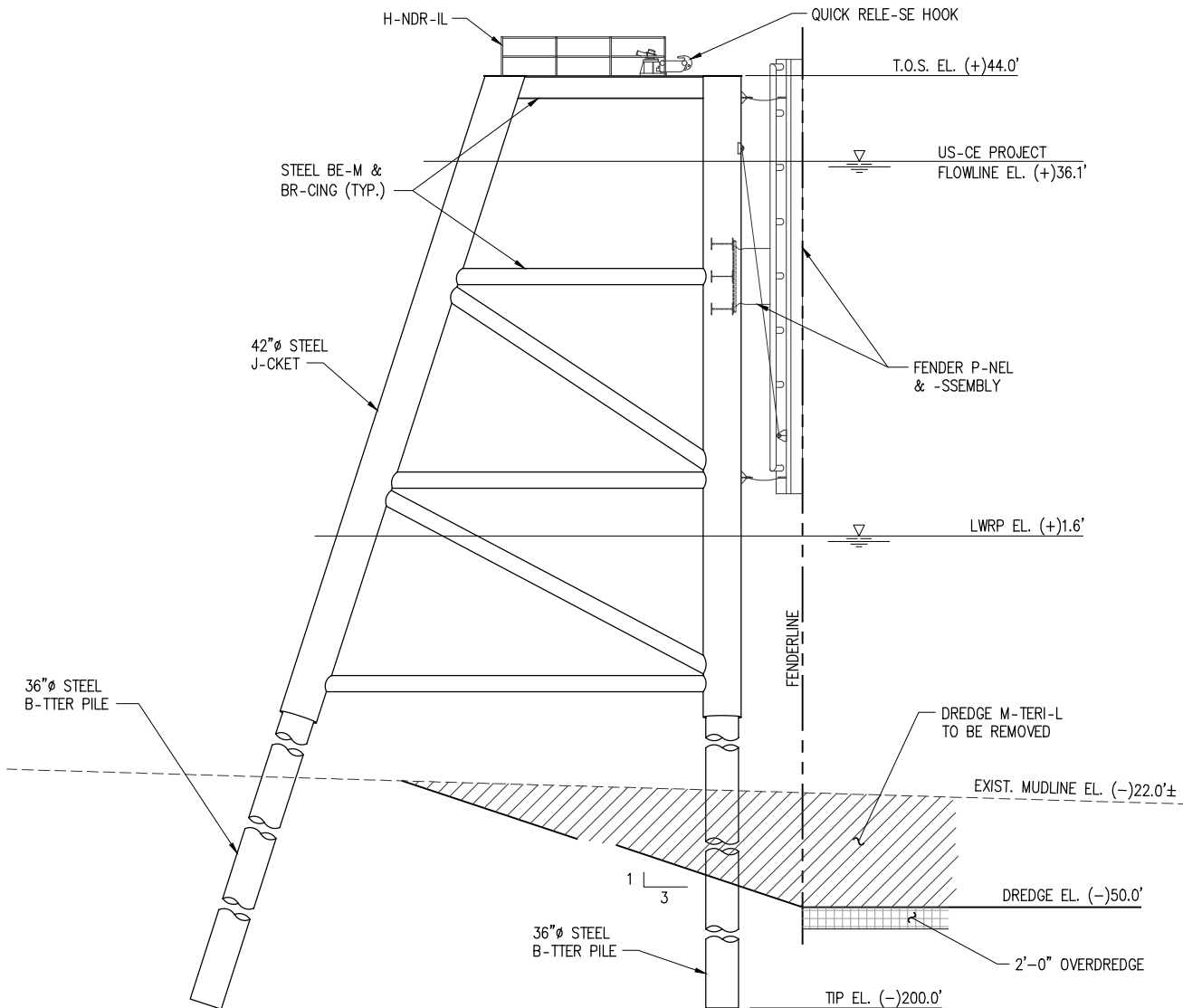
BLUE AMMONIA PLANT PROJECT
NEW MARINE TERMINAL
WATER INTAKE PLATFORM - SECTION

DATE DEC. 22'
DESIGN ETW
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JOB NO 12117
SHEET No.
11 OF 24



SHIP BREASTING DOLPHIN - PLAN

SC-LE: 1/16"=1'-0"



SHIP BREASTING DOLPHIN - ELEVATION

SC-LE: 1/16"=1'-0"
(4 REQUIRED)

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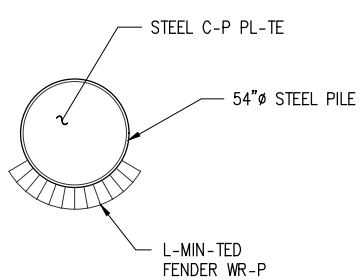
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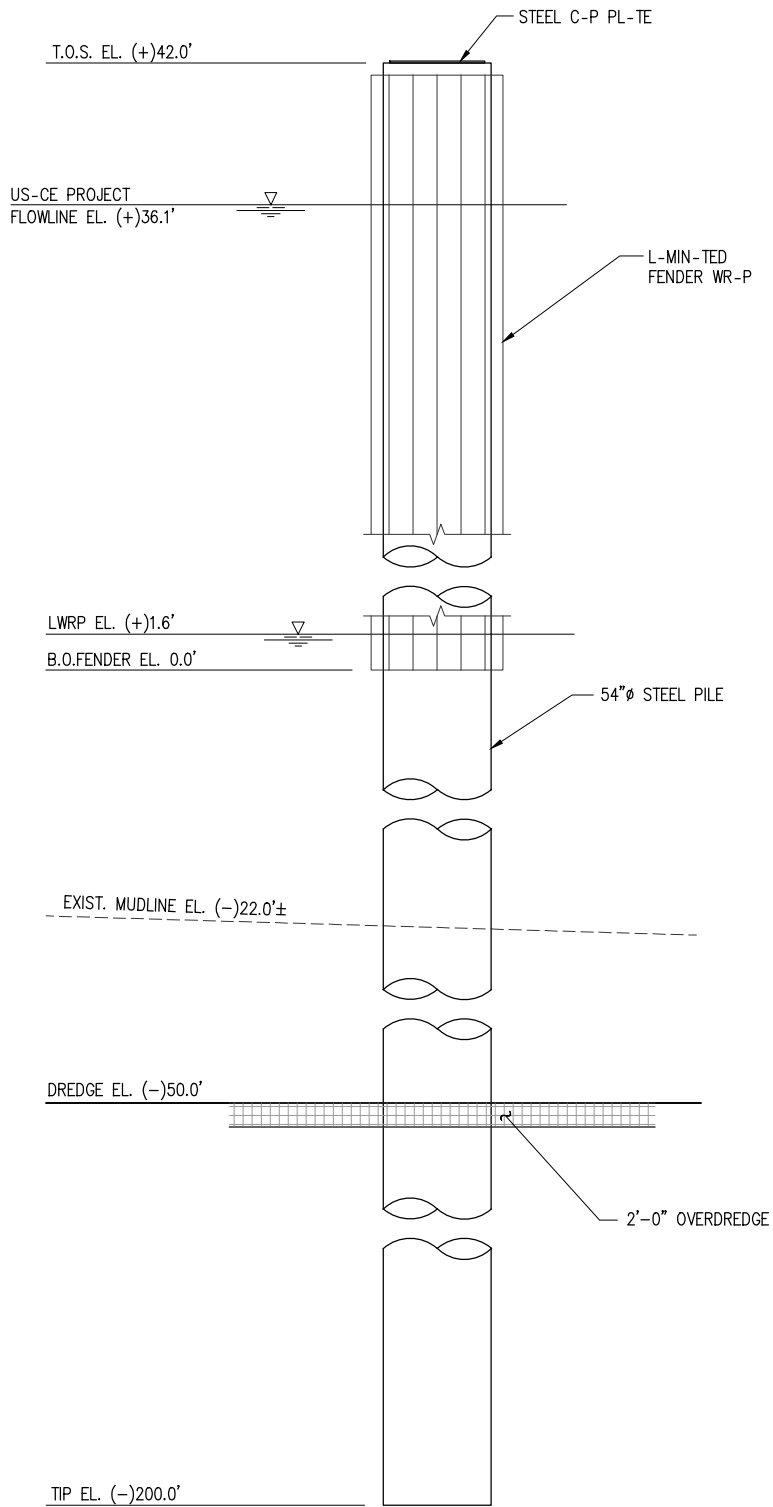
CF INDUSTRIES BLUE POINT, LLC
ASCENSION PARISH LOUISIANA

BLUE AMMONIA PLANT PROJECT
NEW MARINE TERMINAL
SHIP BREASTING DOLPHIN - PLAN & ELEVATION

DATE DEC. 22'
DESIGN ETW
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CHECK CLO
JOB NO 12117
SHEET No.
12 OF 24



BARGE DOLPHIN – PLAN
SC-LE: 1/8"=1'-0"

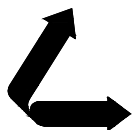


BARGE DOLPHIN – ELEVATION
SC-LE: 1/8"=1'-0"
(3 REQUIRED)

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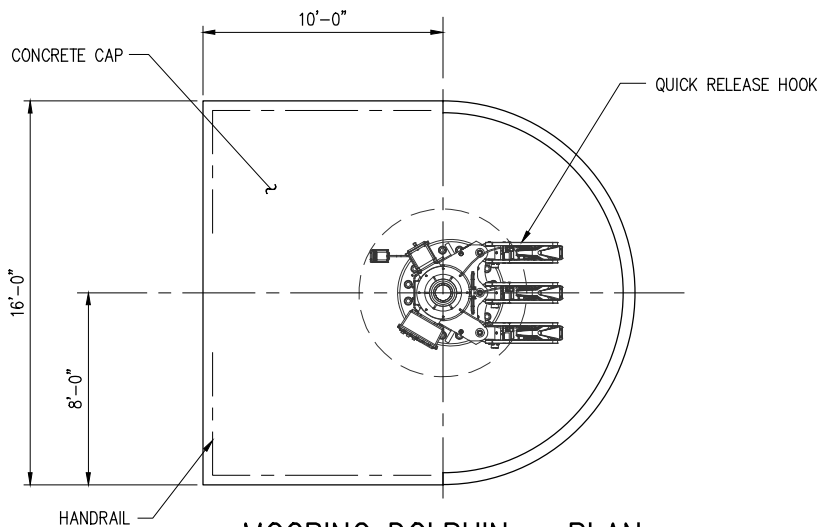
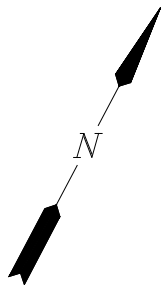
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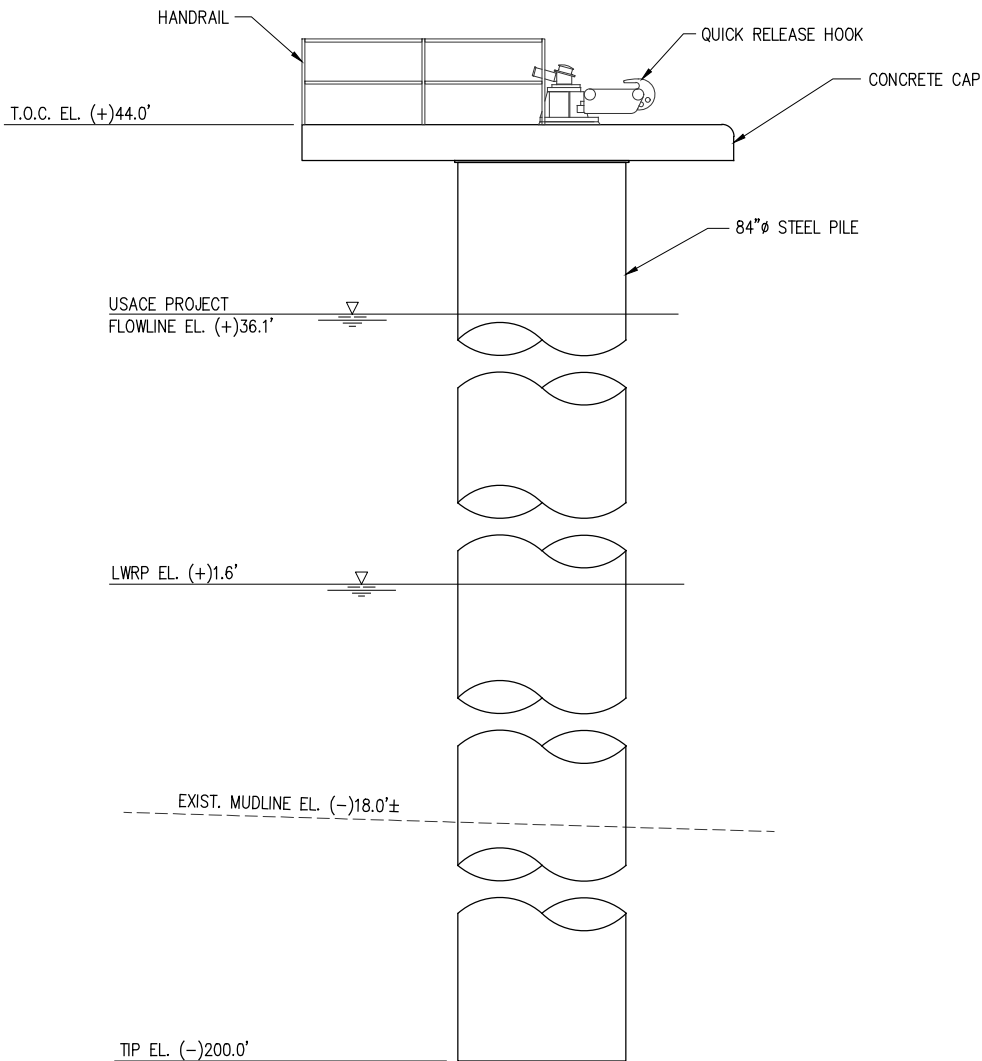
BLUE AMMONIA PLANT PROJECT
NEW MARINE TERMINAL
BARGE DOLPHIN PLAN & ELEVATION

DATE DEC. 22'
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SHEET No.
13 OF 24



MOORING DOLPHIN - PLAN

SCALE: 1/8"=1'-0"



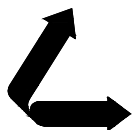
MOORING DOLPHIN - ELEVATION

SCALE: 1/8"=1'-0"
(6 REQUIRED)

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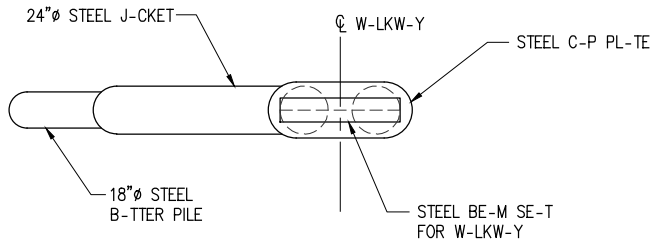
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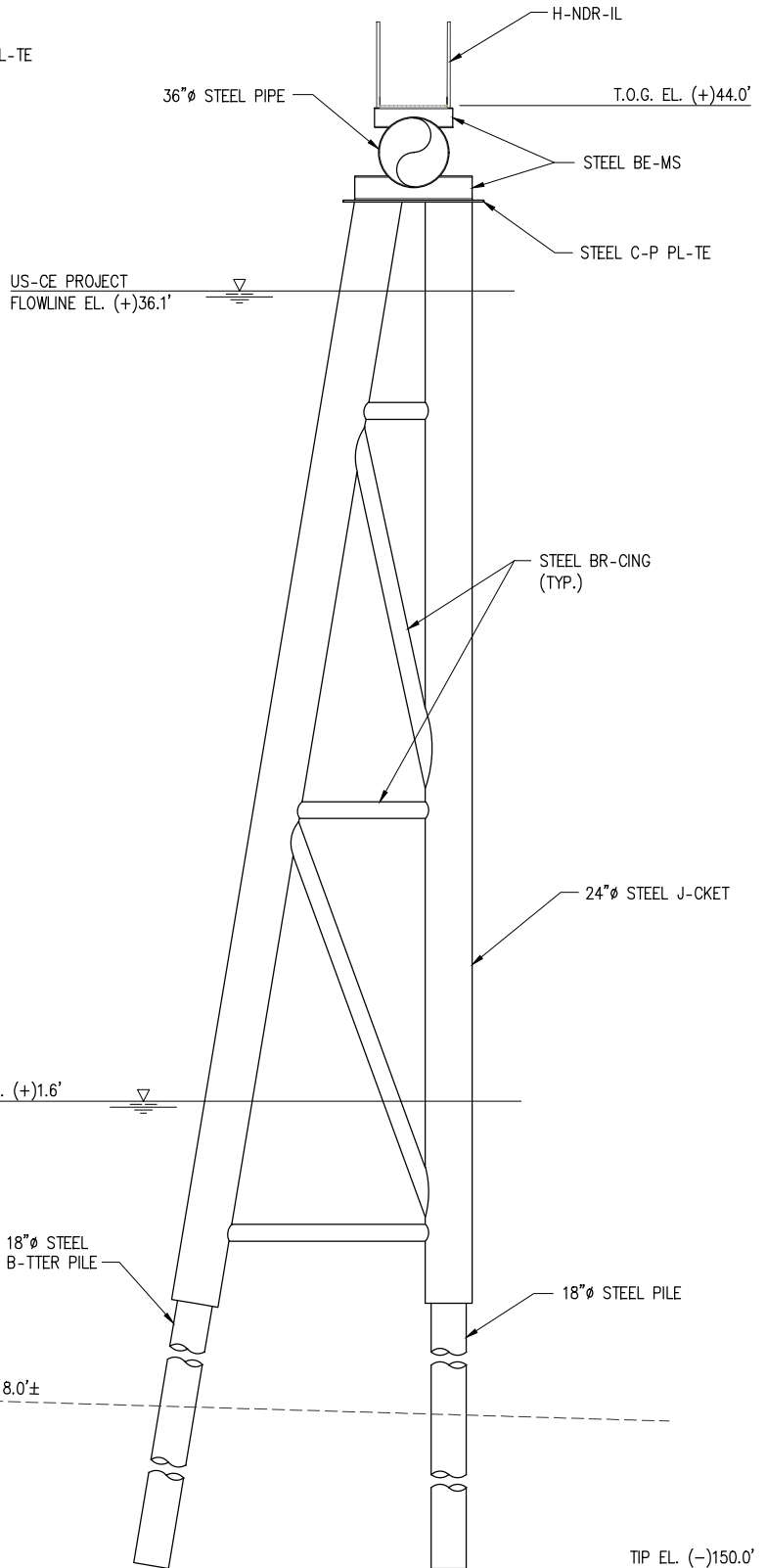
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ASCENSION PARISH LOUISIANA

BLUE AMMONIA PLANT PROJECT
NEW MARINE TERMINAL
MOORING DOLPHIN - PLAN & ELEVATION

DATE DEC. 22'
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SHEET No.
14 OF 24



2 PILE WALKWAY BENT – PLAN
SC-LE: 1/8"=1'-0"



2 PILE WALKWAY BENT – ELEVATION
SC-LE: 1/8"=1'-0"
(12 REQUIRED)

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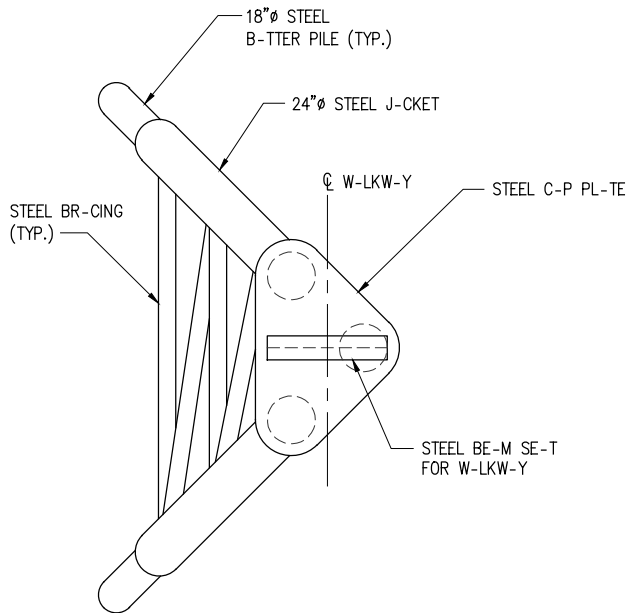
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ASCENSION PARISH LOUISIANA

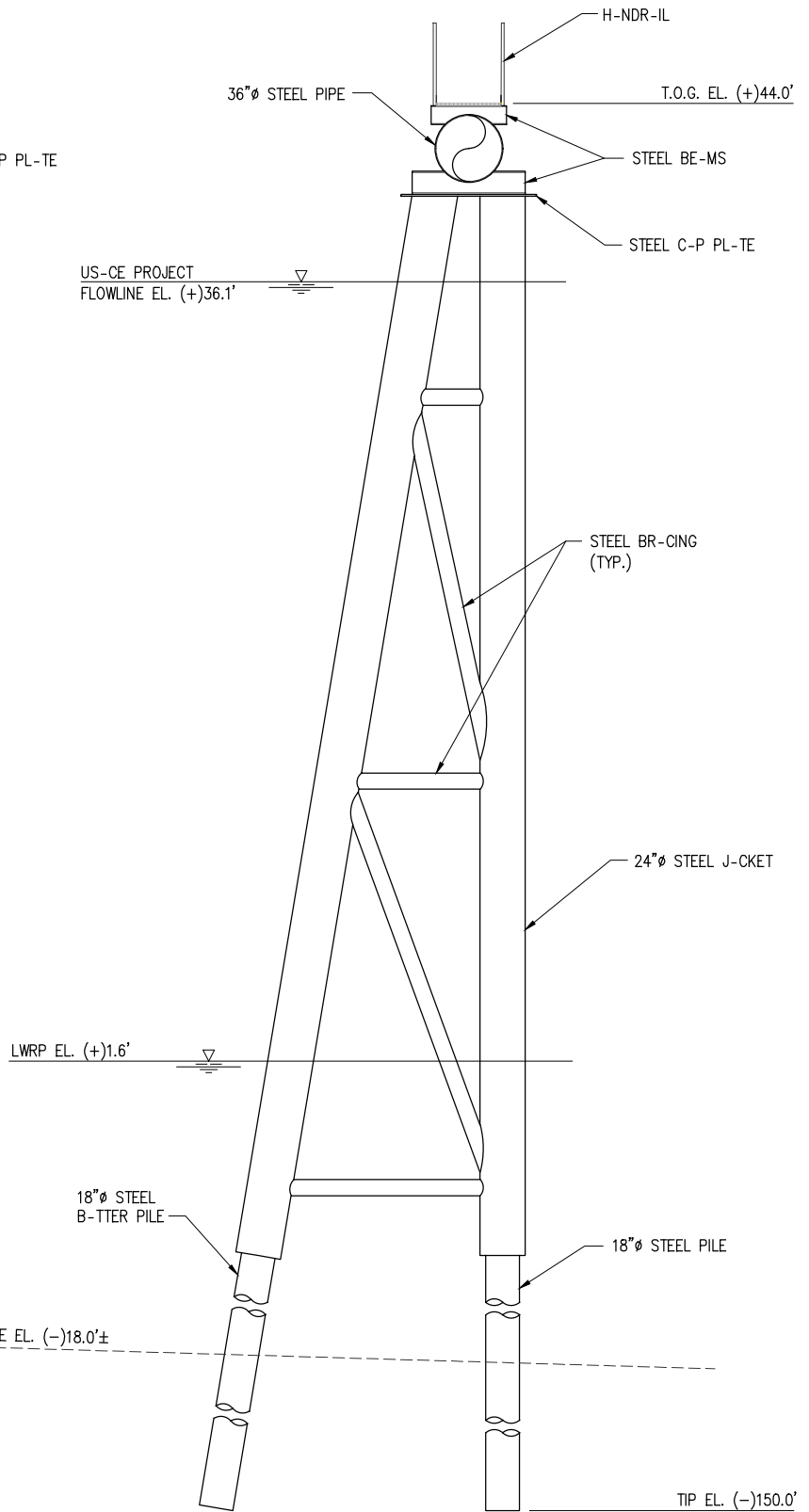
BLUE AMMONIA PLANT PROJECT
NEW MARINE TERMINAL
2 PILE WALKWAY BENT - PLAN & ELEVATION

DATE DEC. 22'
DESIGN ETW
DRAWN TPM
CHECK CLO
JOB NO 12117
SHEET No.
15 OF 24



TRIPOD WALKWAY BENT – PLAN

SC-LE: 1/8"=1'-0"



TRIPOD WALKWAY BENT – ELEVATION

SC-LE: 1/8"=1'-0"
(2 REQUIRED)

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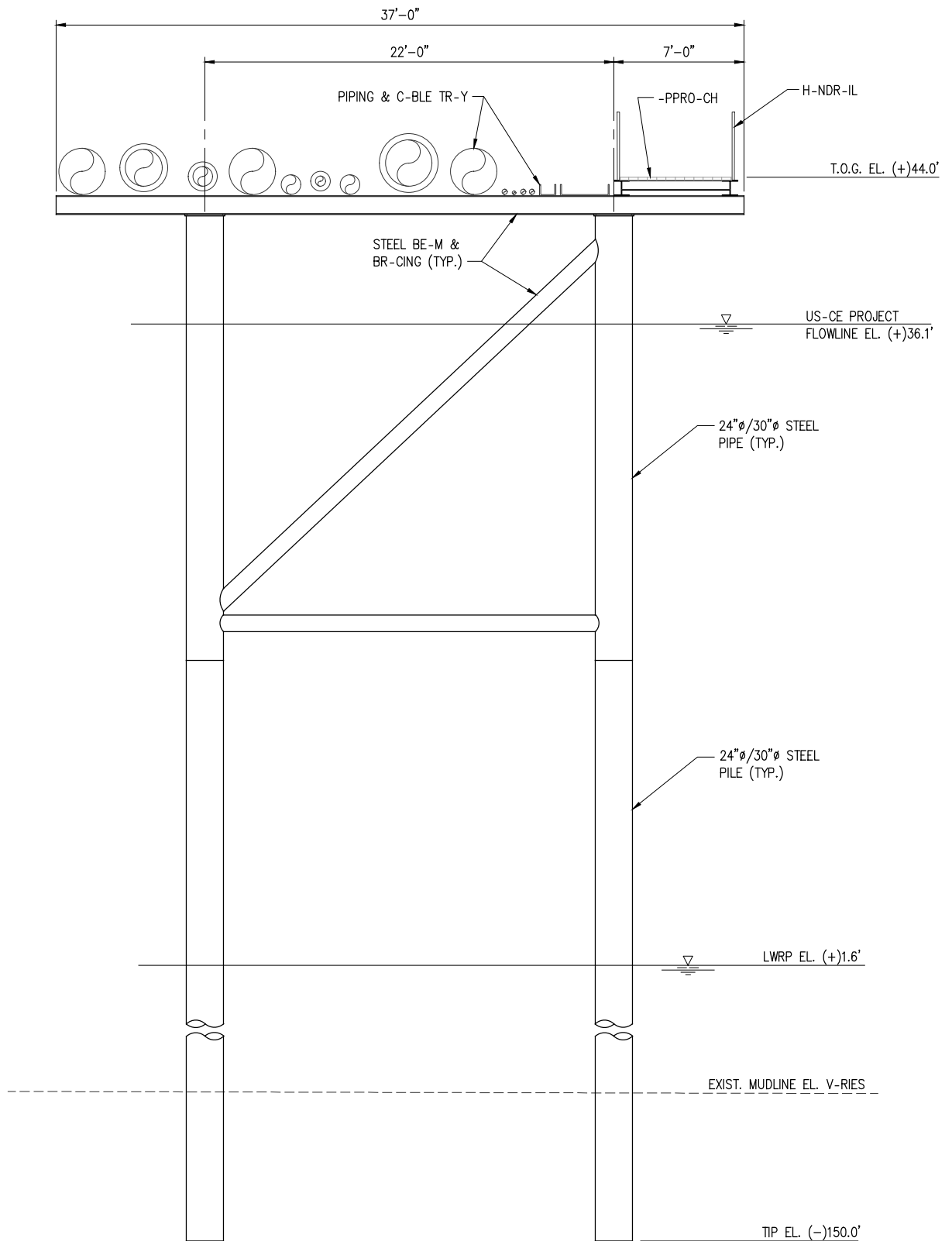
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ASCENSION PARISH LOUISIANA

BLUE AMMONIA PLANT PROJECT
NEW MARINE TERMINAL
TRIPOD WALKWAY BENT - PLAN & ELEVATION

DATE DEC. 22'
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16 OF 24



TYPICAL APPROACH BENT – ELEVATION

SC-LE: 1/8"=1'-0"

CHRIS L. O'BRIEN
L- PE #33945

PRELIMINARY - FOR PERMIT PURPOSES ONLY

REV
B



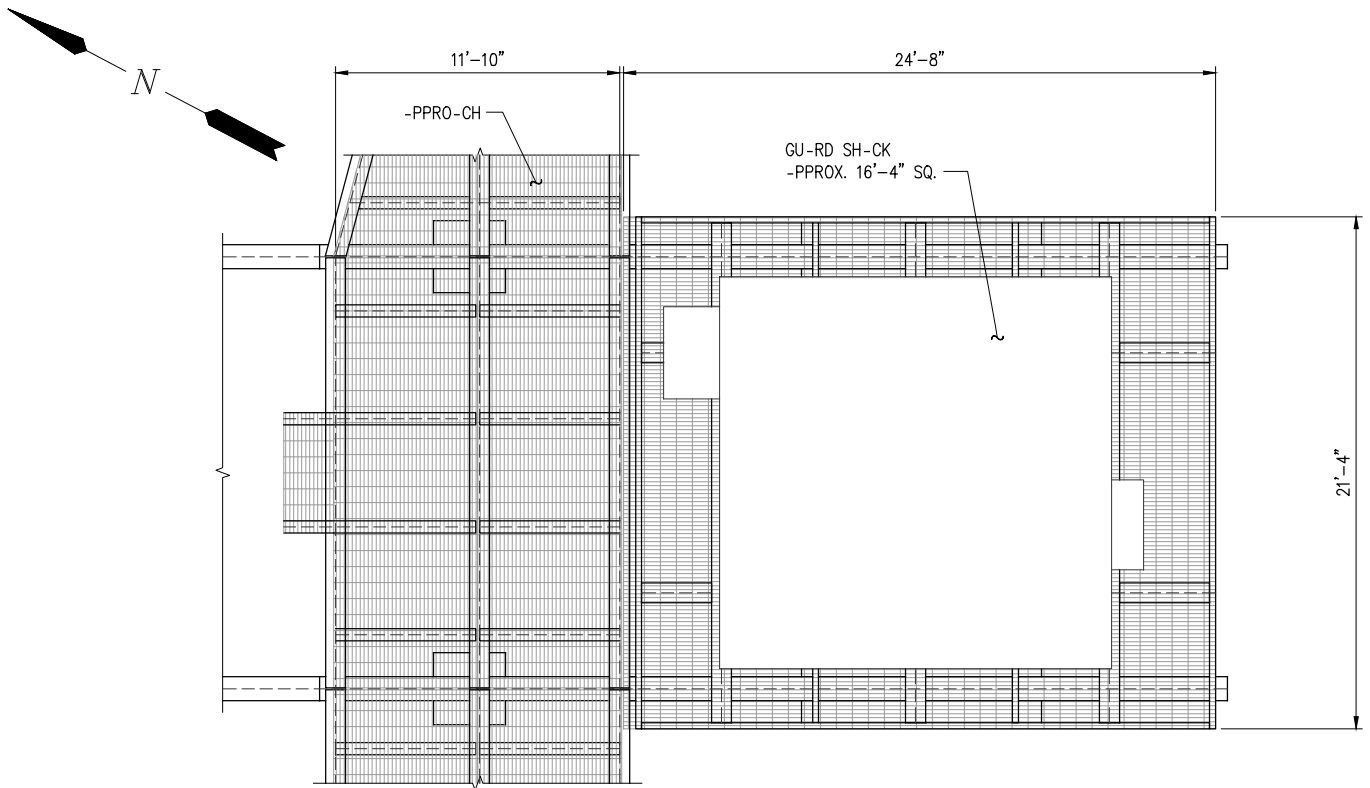
LANIER & ASSOCIATES
CONSULTING ENGINEERS
INCORPORATED

LA: EF-1120 TX: F-2981
NEW ORLEANS • BEAUMONT • CORPUS CHRISTI • HOUSTON

CF INDUSTRIES BLUE POINT, LLC
ASCENSION PARISH LOUISIANA

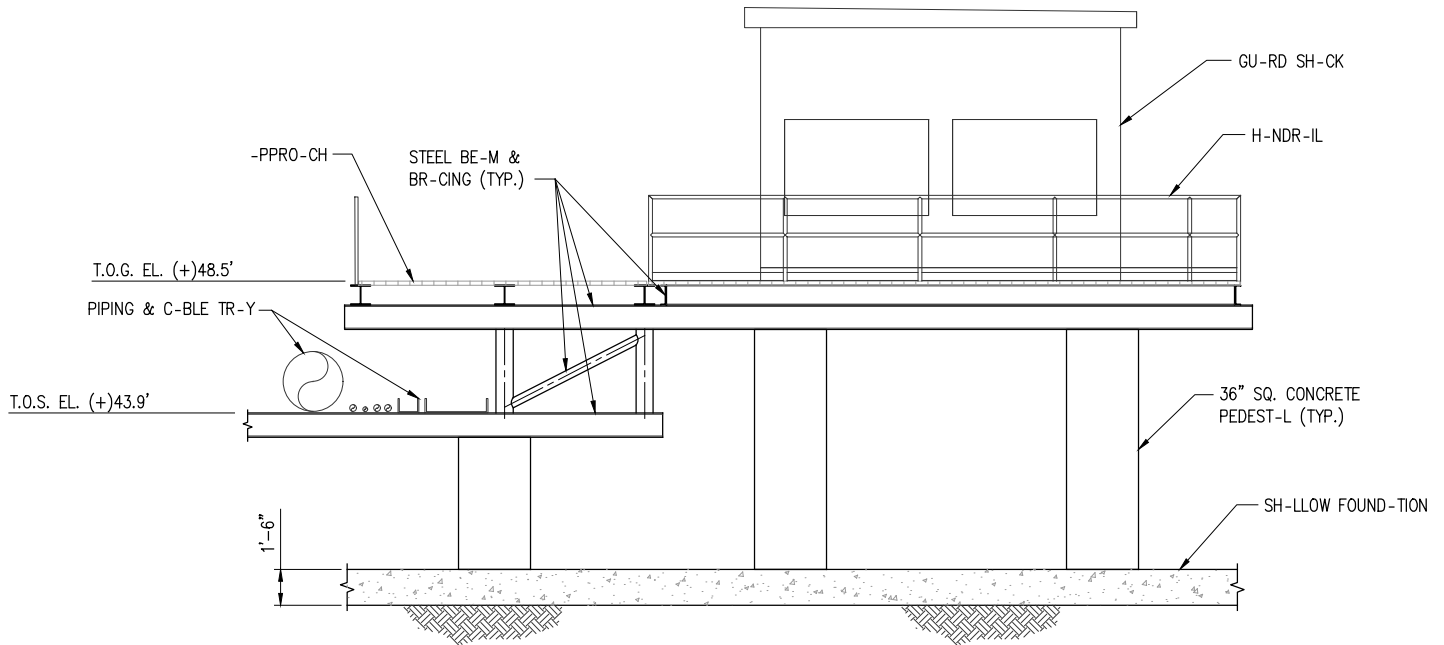
BLUE AMMONIA PLANT PROJECT
NEW MARINE TERMINAL
TYPICAL APPROACH BENT ELEVATION

DATE DEC. 22'
DESIGN ETW
DRAWN TPM
CHECK CLO
JOB NO 12117
SHEET No.
17 OF 24



GUARD SHACK PLATFORM - PLAN

SC-LE: 1/8"=1'-0"



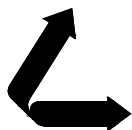
GUARD SHACK PLATFORM - ELEVATION

SC-LE: 1/8"=1'-0"

CHRIS L. O'BRIEN
L- PE #33945

PRELIMINARY - FOR PERMIT PURPOSES ONLY

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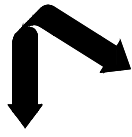
CF INDUSTRIES BLUE POINT, LLC
ASCENSION PARISH LOUISIANA

BLUE AMMONIA PLANT PROJECT
NEW MARINE TERMINAL
GUARD SHACK PLATFORM PLAN & ELEVATION

DATE DEC. 22'
DESIGN ETW
DRAWN TPM
CHECK CLO
JOB NO 12117
SHEET No.
18 OF 24

CHRIS L. O'BRIEN
LA PE #53945

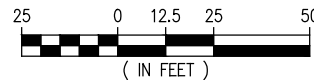
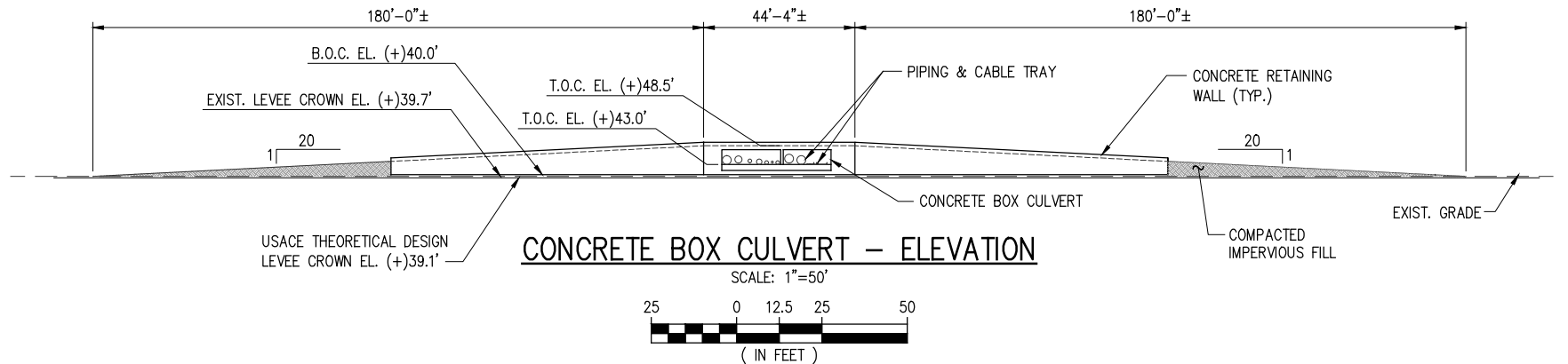
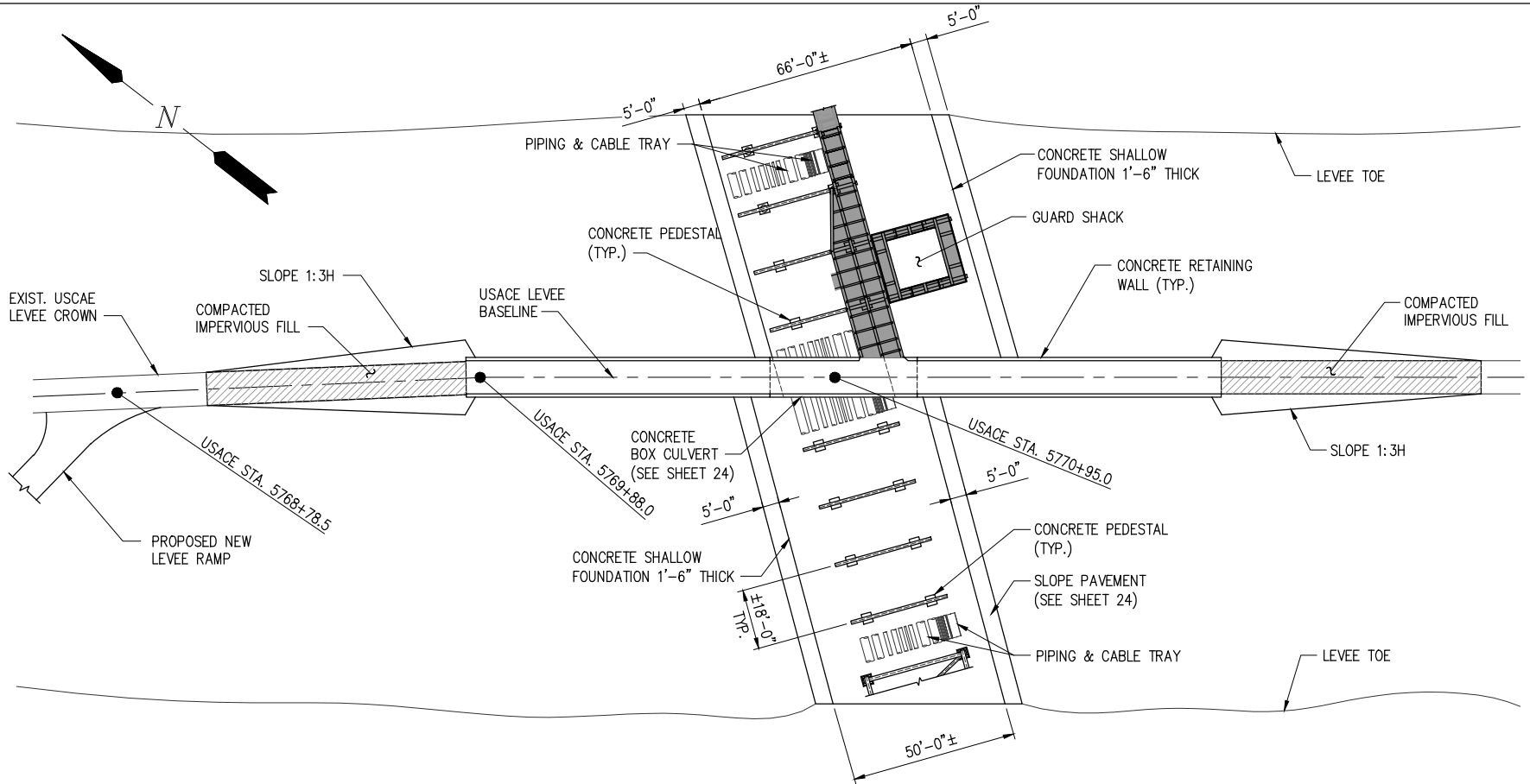
PRELIMINARY - FOR PERMIT PURPOSES ONLY

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LA: EF-1120 TX: F-2981
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CF INDUSTRIES BLUE POINT, LLC
ASCENSION PARISH
LOUISIANA
BLUE AMMONIA PLANT PROJECT
NEW MARINE TERMINAL
BOX CULVERT - PLAN & ELEVATION

DATE DEC. 22'
DESIGN ETW
DRAWN TPM
CHECK CLO
JOB NO. 12117
SHEET No.
19 OF 24



CHRIS L. O'BRIEN
L-PE #33945

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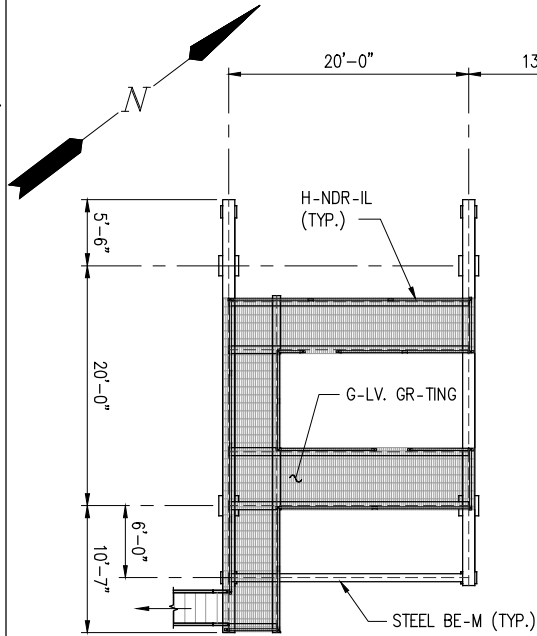
LANIER & ASSOCIATES
CONSULTING ENGINEERS
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LA: EF-1120 TX: F-2981
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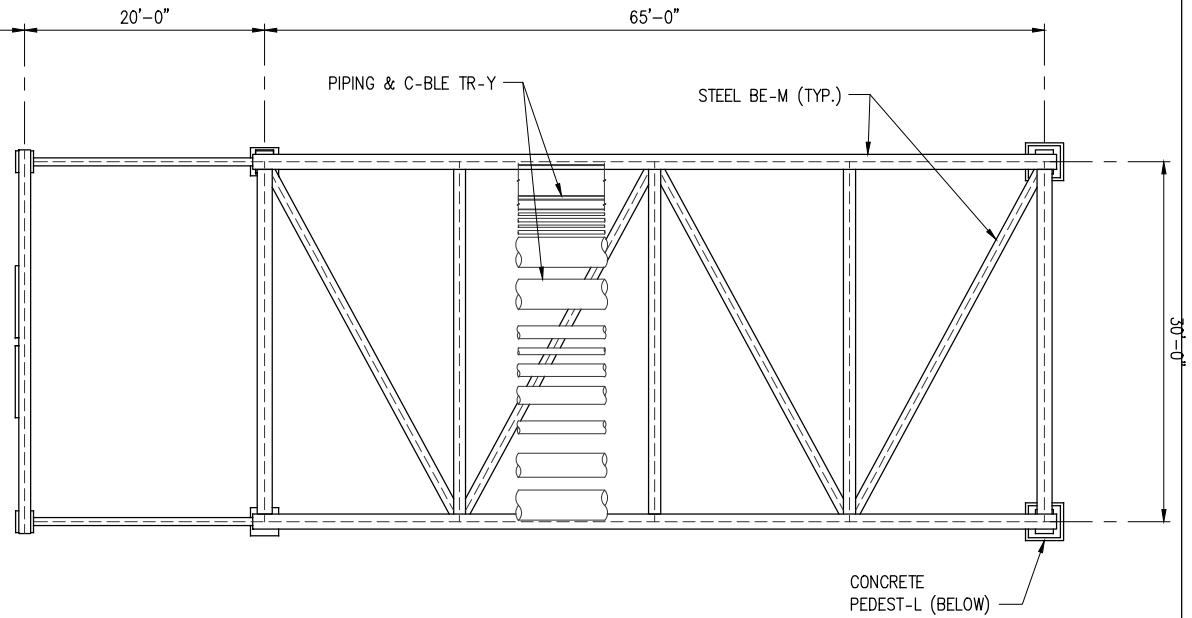
CF INDUSTRIES BLUE POINT, LLC
ASCENSION PARISH
LOUISIANA

BLUE AMMONIA PLANT PROJECT
NEW MARINE TERMINAL
PIPE BRIDGE - PLAN & ELEVATION

DATE DEC. 22'
DESIGN ETW
DRAWN TPM
CHECK CLO
JOB NO. 12117
SHEET NO. 20 OF 24

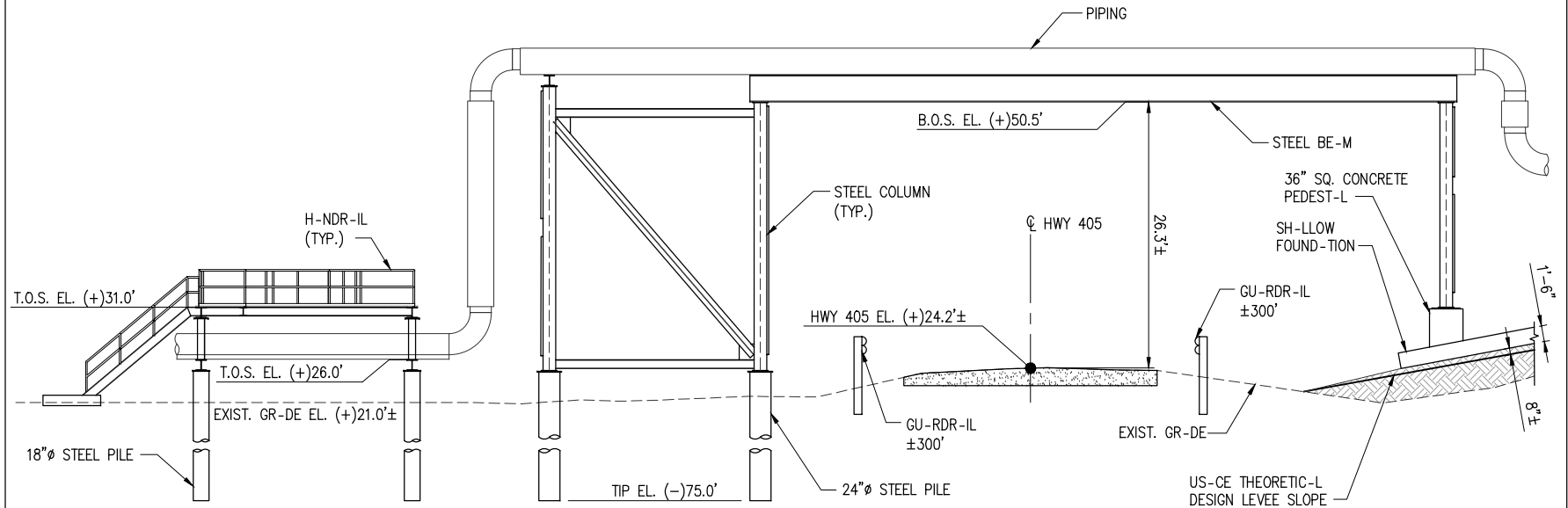


VALVE ACCESS PLATFORM



PIPE BRIDGE - PLAN

SC-LE: 1/16"=1'-0"



VALVE ACCESS PLATFORM

PIPE BRIDGE - ELEVATION

SC-LE: 1/16"=1'-0"

CHRIS L. O'BRIEN
L-PE #53945

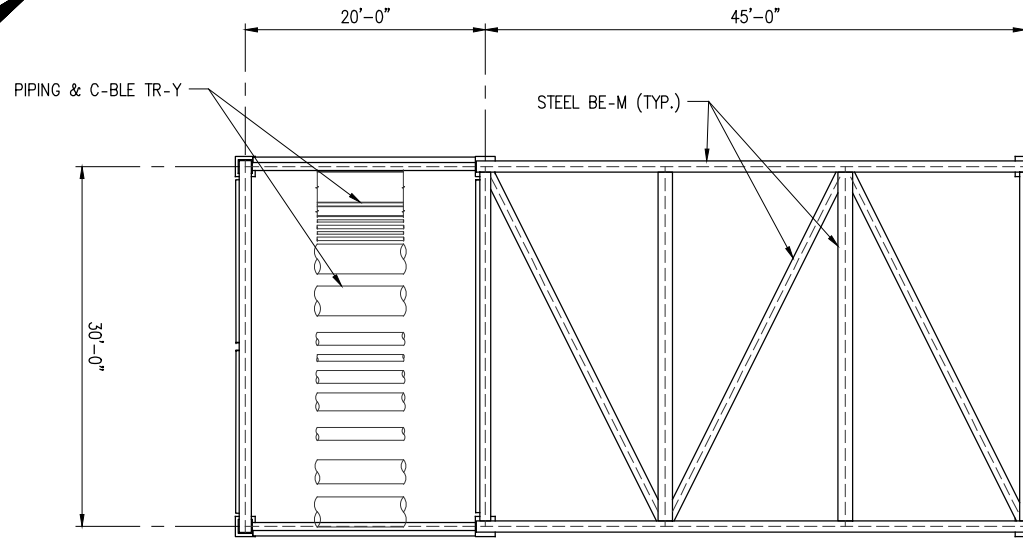
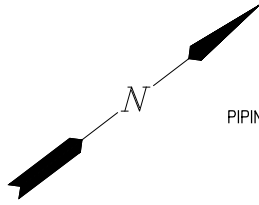
PRELIMINARY - FOR PERMIT PURPOSES ONLY

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LA: EF-1120 TX: F-2981
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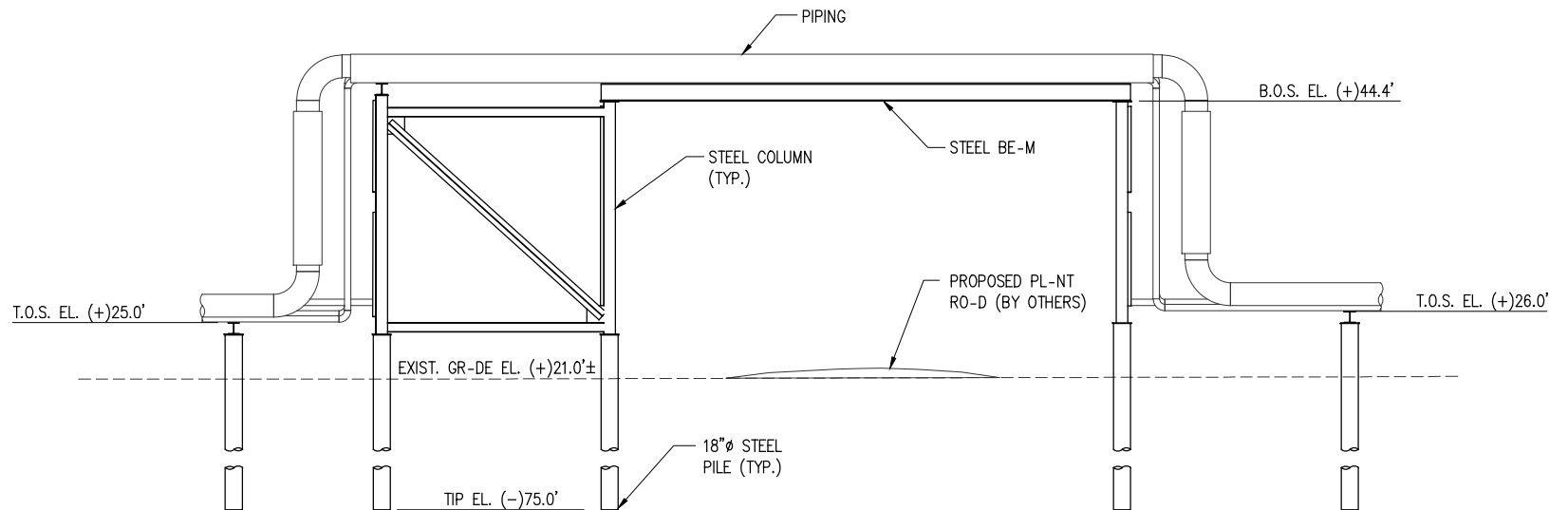
CF INDUSTRIES BLUE POINT, LLC
ASCENSION PARISH, LOUISIANA
BLUE AMMONIA PLANT PROJECT
NEW MARINE TERMINAL
PLANT ROAD CROSSING PLAN & ELEVATION

DATE DEC. 22'
DESIGN ETW
DRAWN TPM
CHECK CLO
JOB NO. 12117
SHEET No.
21 OF 24



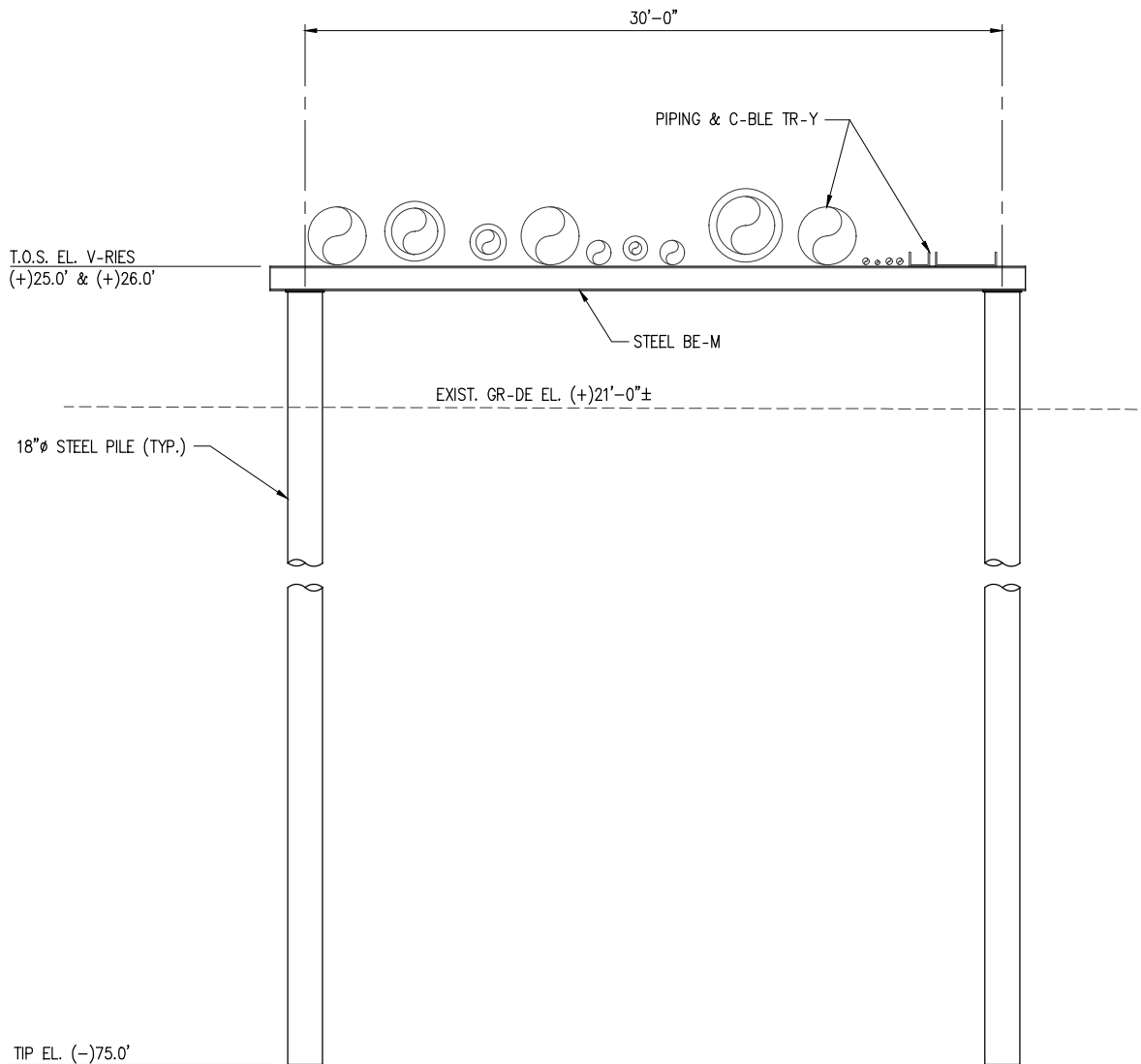
PLANT ROAD CROSSING – PLAN

SC-LE: 1/16"=1'-0"



PLANT ROAD CROSSING – ELEVATION

SC-LE: 1/16"=1'-0"



TYPICAL PIPE RACK – ELEVATION
SC-LE: 1/8"=1'-0"

CHRIS L. O'BRIEN
L- PE #33945

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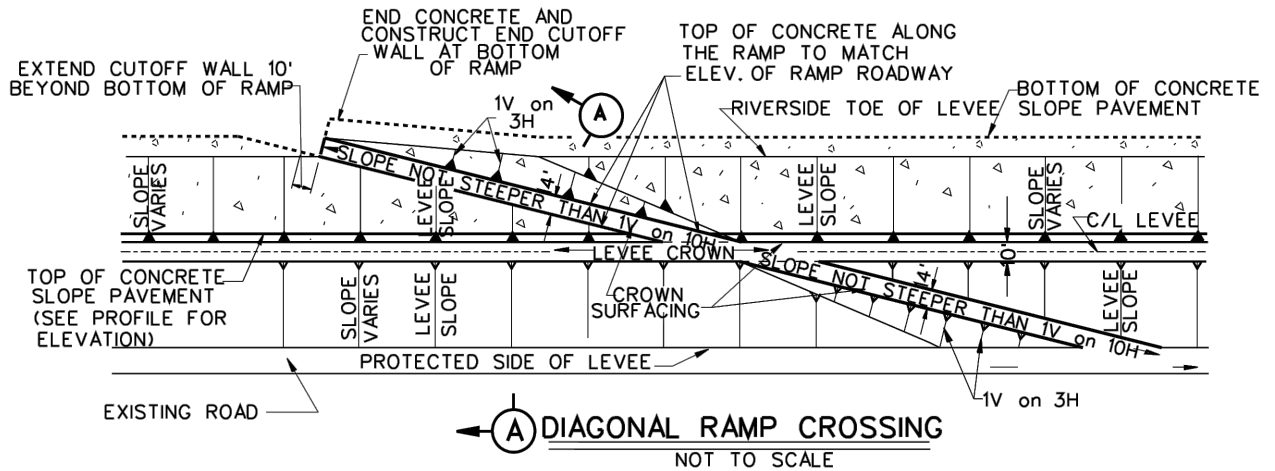
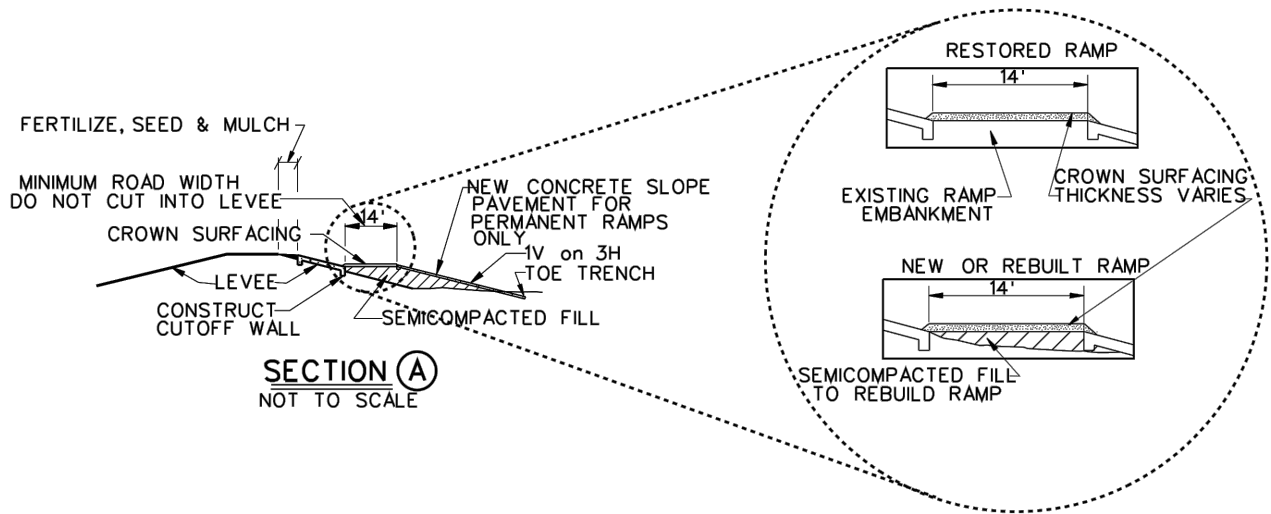
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LA: EF-1120 TX: F-2981
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CF INDUSTRIES BLUE POINT, LLC
ASCENSION PARISH LOUISIANA

BLUE AMMONIA PLANT PROJECT
NEW MARINE TERMINAL
TYPICAL PIPE RACK ELEVATION

DATE DEC. 22'
DESIGN ETW
DRAWN TPM
CHECK CLO
JOB NO 12117
SHEET No.
22 OF 24



REFERENCE US-CE DR-WING:
PIPE LINE CROSSINGS OVER LEVEES -ND FLOODW-LLS
SURF-CE CROSSINGS TYPIC-L OF RIVER LEVEES
FILE NUMBER H-8-29027, DR-WING 6 OF 9

CHRIS L. O'BRIEN
L- PE #33945

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ASCENSION PARISH LOUISIANA

BLUE AMMONIA PLANT PROJECT
NEW MARINE TERMINAL
USACE LEVEE RAMP CROSSING DETAILS

DATE DEC. 22'
DESIGN ETW
DRAWN TPM
CHECK CLO
JOB NO 12117
SHEET No.
23 OF 24

CHRIS O'BRIEN
L- PE #53945

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LA: EF-1120 TX: F-2981

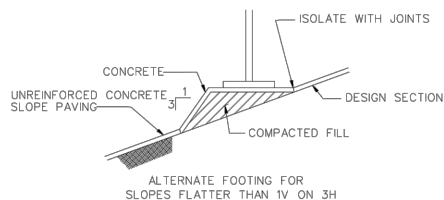
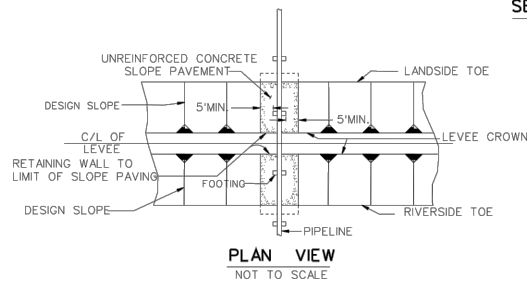
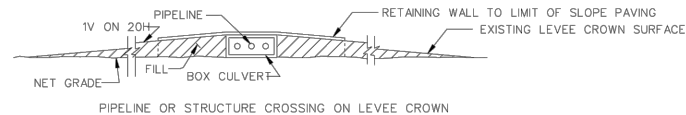
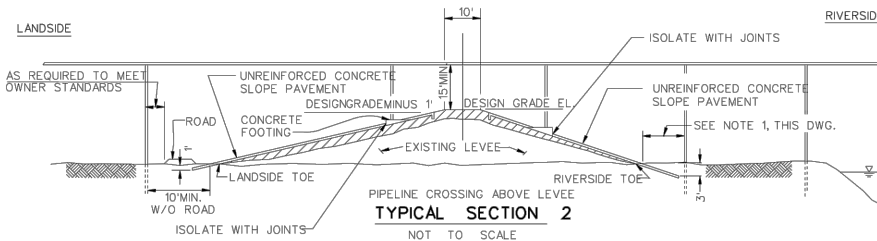
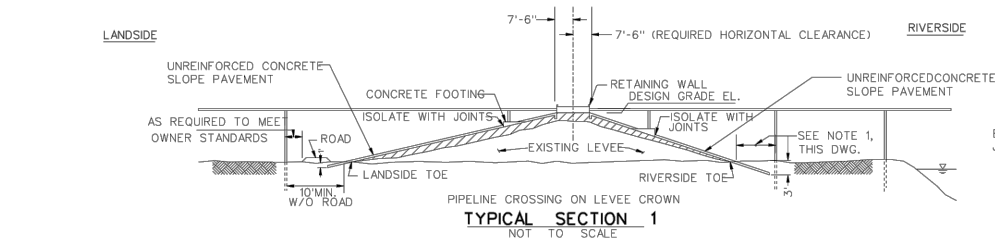
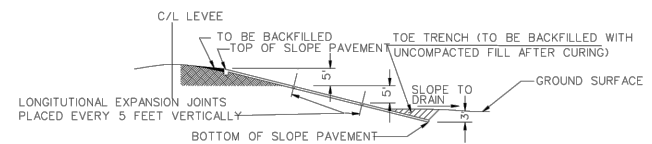
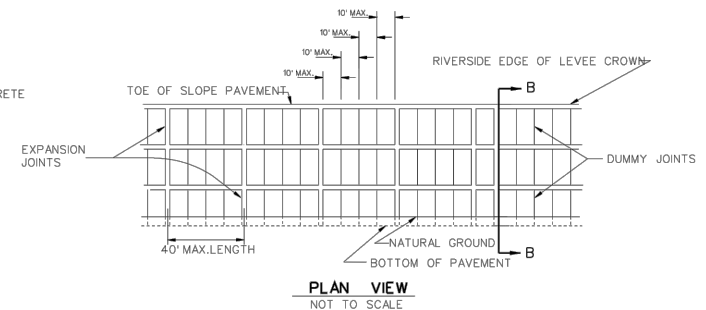
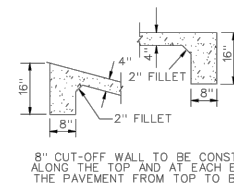
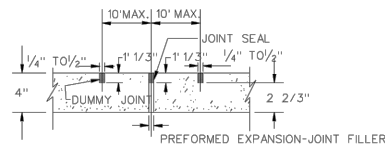
NEW ORLEANS • BEAUMONT • CORPUS CHRISTI • HOUSTON

USACE SCOPE PAVING DETAILS

BLUE AMMONIA PLANT PROJECT

ASCENSION PARISH, LOUISIANA

DATE DEC '22
DESIGN ETW
DRAWN TPM
CHECK CLO
JOB NO 12117
SHEET No. 24 OF 24

DETAIL
NOT TO SCALESECTION B - B
NOT TO SCALEDETAILS OF
CUTOFF WALL
NOT TO SCALEEXPANSION AND DUMMY JOINTS
NOT TO SCALE

EMBANKMENT REQUIREMENTS

COMPACTED FILL (LEVEE ACCESS ROADS AND FOOTINGS)

THE MATERIAL FOR COMPACTED FILL SHALL BE PLACED IN LAYERS, THE FIRST LAYER NOT MORE THAN 4 INCHES IN THICKNESS AND THE SUCCEEDING LAYERS NOT MORE THAN 8 INCHES IN THICKNESS PRIOR TO COMPACTION. EACH LAYER SHALL BE COMPACTED BY 10 COMPLETE PASSES OF A CRAWLER-TYPE TRACTOR WEIGHING NOT LESS THAN 20,000 POUNDS AND EXERTING A UNIT TREAD PRESSURE OF NOT LESS THAN 6 POUNDS PER SQUARE INCH. THE TRACTOR SHALL BE OPERATED AT SPEEDS NOT TO EXCEED 3.5 MILES PER HOUR. IF AN ALTERNATE TYPE COMPACTING MACHINE IS USED, TYPE SHOULD BE STATED ON APPLICANT'S DRAWING FOR REVIEW AND APPROVAL.

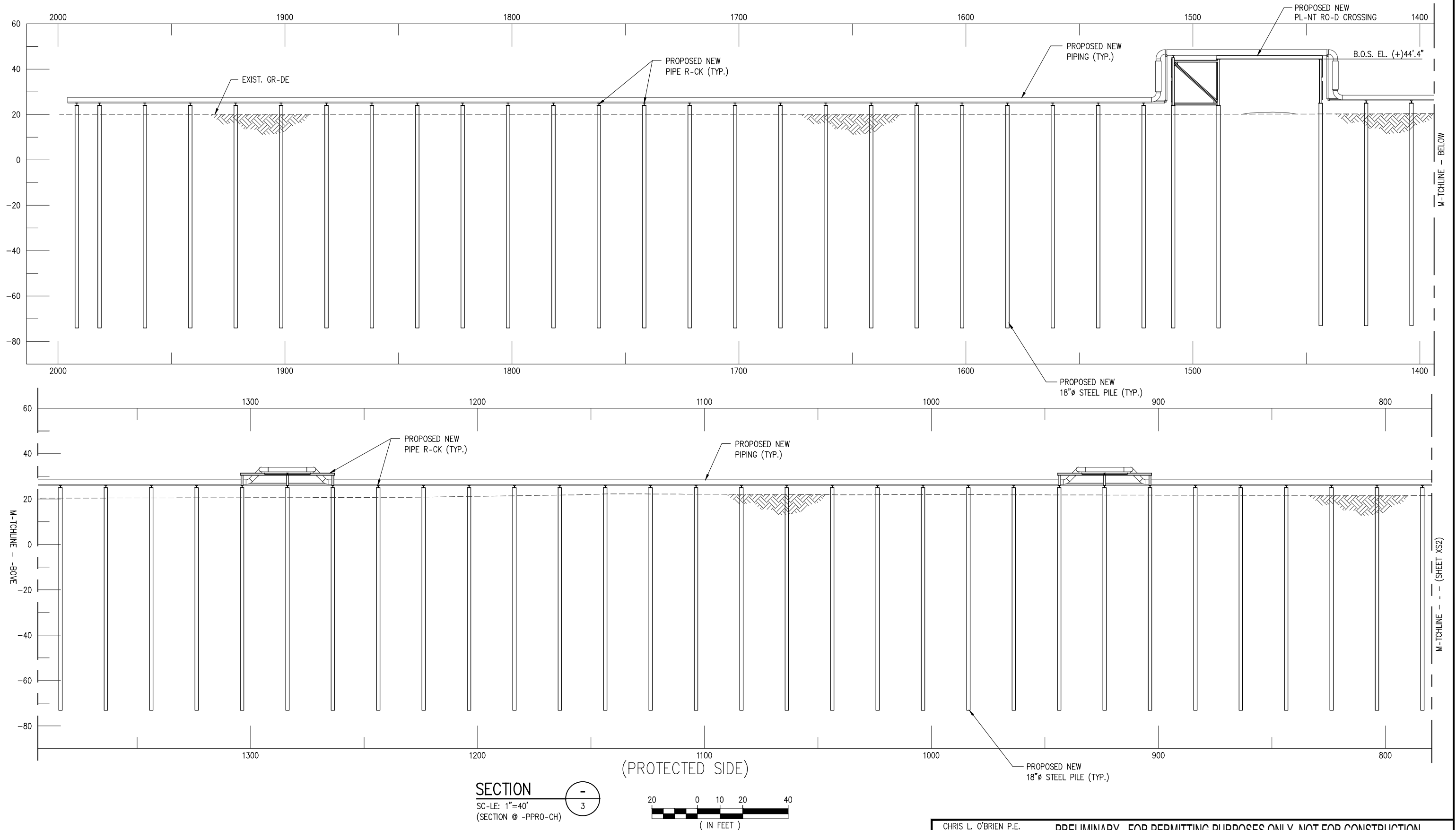
SEMICOMPACTED FILL (LEVEE)

THE MATERIAL FOR SEMICOMPACTED FILL SHALL BE PLACED OR SPREAD IN LAYERS, THE FIRST LAYER NOT MORE THAN 6 INCHES IN THICKNESS AND THE SUCCEEDING LAYERS NOT MORE THAN 12 INCHES IN THICKNESS PRIOR TO COMPACTION. EACH LAYER SHALL BE COMPACTED BY THREE COMPLETE PASSES OF A CRAWLER-TYPE TRACTOR WEIGHING NOT LESS THAN 20,000 POUNDS AND EXERTING A UNIT TREAD PRESSURE OF NOT LESS THAN 6 POUNDS PER SQUARE INCH. THE TRACTOR SHALL BE OPERATED AT SPEEDS NOT TO EXCEED 3.5 MILES PER HOUR. IF AN ALTERNATE TYPE COMPACTING MACHINE IS USED, TYPE SHOULD BE STATED ON APPLICANT'S DRAWING FOR REVIEW AND APPROVAL.

UNCOMPACTED FILL (BERMS AND BACKFILL)

THE MATERIAL FOR UNCOMPACTED FILL SHALL BE PLACED IN APPROXIMATELY HORIZONTAL LAYERS NOT EXCEEDING 3 FEET IN THICKNESS. THE LAYERS SHALL BE UNIFORMLY SPREAD, DISTRIBUTED, AND OTHERWISE MANIPULATED DURING PLACEMENT TO SUCH AN EXTENT THAT INDIVIDUAL LOADS OF MATERIAL DEPOSITED ON THE FILL WILL NOT REMAIN INTACT, AND LARGE, OPEN VOIDS IN THE FILL WILL BE ELIMINATED.

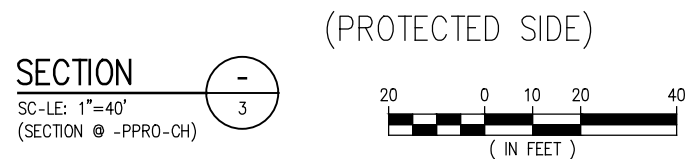
REFERENCE US-CE DR-WING:
SLOPE P-WING OVER LEVEES -ND FLOODW-LLS
SURF-CE CROSSINGS TYPIC-L OF RIVER LEVEES
FILE NUMBER H-8-29027, DR-WING 4 OF 9



LA: EF-1120 TX: F-2981
NEW ORLEANS • BEAUMONT • CORPUS CHRISTI • HOUSTON

*					*		
REV	DATE	BY	DESCRIPTION	REV	DATE	BY	DESCRIPTION

CHRIS L. O'BRIEN P.E. 33945		PRELIMINARY - FOR PERMITTING PURPOSES ONLY, NOT FOR CONSTRUCTION	
DATE <u>DEC. 22'</u> SHT SIZE <u>11"x17"</u> DESIGN <u>ETW</u> DRAWN <u>TPM</u> CHECK <u>CLO</u> APPR'D <u>JTM</u> JOB NO <u>12117</u>		<div style="text-align: center;">CF INDUSTRIES BLUE POINT, LLC ASCENSION PARISH LOUISIANA</div> <div style="text-align: center; margin-top: 20px;">BLUE AMMONIA PLANT PROJECT NEW MARINE TERMINAL CROSS SECTION @ APPROACH (1 OF 7)</div>	
		SHEET NO.	XS1



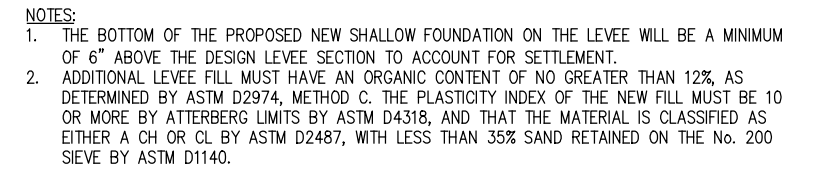
LANIER & ASSOCIATES
CONSULTING ENGINEERS
INCORPORATED
LA: EF-1120 TX: F-2981
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REV	DATE	BY	DESCRIPTION	REV	DATE	BY	DESCRIPTION

PRELIMINARY - FOR PERMITTING PURPOSES ONLY, NOT FOR CONSTRUCTION

BLUE AMMONIA PLANT PROJECT
NEW MARINE TERMINAL
CROSS SECTION @ APPROACH (2 OF 7)

XS2



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*				*			
REV	DATE	BY	DESCRIPTION	REV	DATE	BY	DESCRIPTION

CHRIS L. O'BRIEN P.E. 33945		PRELIMINARY - FOR PERMITTING PURPOSES ONLY, NOT FOR CONSTRUCTION	
DATE DEC. 22' SHT SIZE 11"x17" DESIGN ETW DRAWN TPM CHECK CLO APPR'D JTM JOB NO 12117		<div>CF INDUSTRIES BLUE POINT, LLC</div> <div>ASCENSION PARISH LOUISIANA</div> <div>BLUE AMMONIA PLANT PROJECT</div> <div>NEW MARINE TERMINAL</div> <div>CROSS SECTION @ APPROACH (3 OF 7)</div>	
		SHEET NO.	XS3


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LA: EF-1120 TX: F-2981
NEW ORLEANS • BEAUMONT • CORPUS CHRISTI • HOUSTON

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REV	DATE	BY	DESCRIPTION	REV	DATE	BY	DESCRIPTION

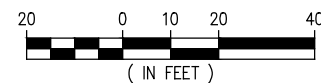
DATE	DEC. 22'
SHT SIZE	11"x17"
DESIGN	ETW
DRAWN	TPM
CHECK	CLO
APPR'D	JTM
JOB NO	12117

PRELIMINARY - FOR PERMITTING PURPOSES ONLY, NOT FOR CONSTRUCTION

BLUE AMMONIA PLANT PROJECT
NEW MARINE TERMINAL
CROSS SECTION @ APPROACH (4 OF 7)

SHEET NO.

XS4



*				*			
REV	DATE	BY	DESCRIPTION	REV	DATE	BY	DESCRIPTION

XS5



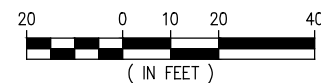
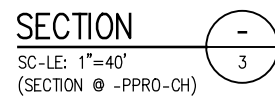
LANIER & ASSOCIATES
CONSULTING ENGINEERS
INCORPORATED
LA: EF-1120 TX: F-2981
NEW ORLEANS • BEAUMONT • CORPUS CHRISTI • HOUSTON

*				*			
REV	DATE	BY	DESCRIPTION	REV	DATE	BY	DESCRIPTION

PRELIMINARY - FOR PERMITTING PURPOSES ONLY, NOT FOR CONSTRUCTION

BLUE AMMONIA PLANT PROJECT
NEW MARINE TERMINAL
CROSS SECTION @ APPROACH (6 OF 7)

XS6



PRELIMINARY - FOR PERMITTING PURPOSES ONLY, NOT FOR CONSTRUCTION

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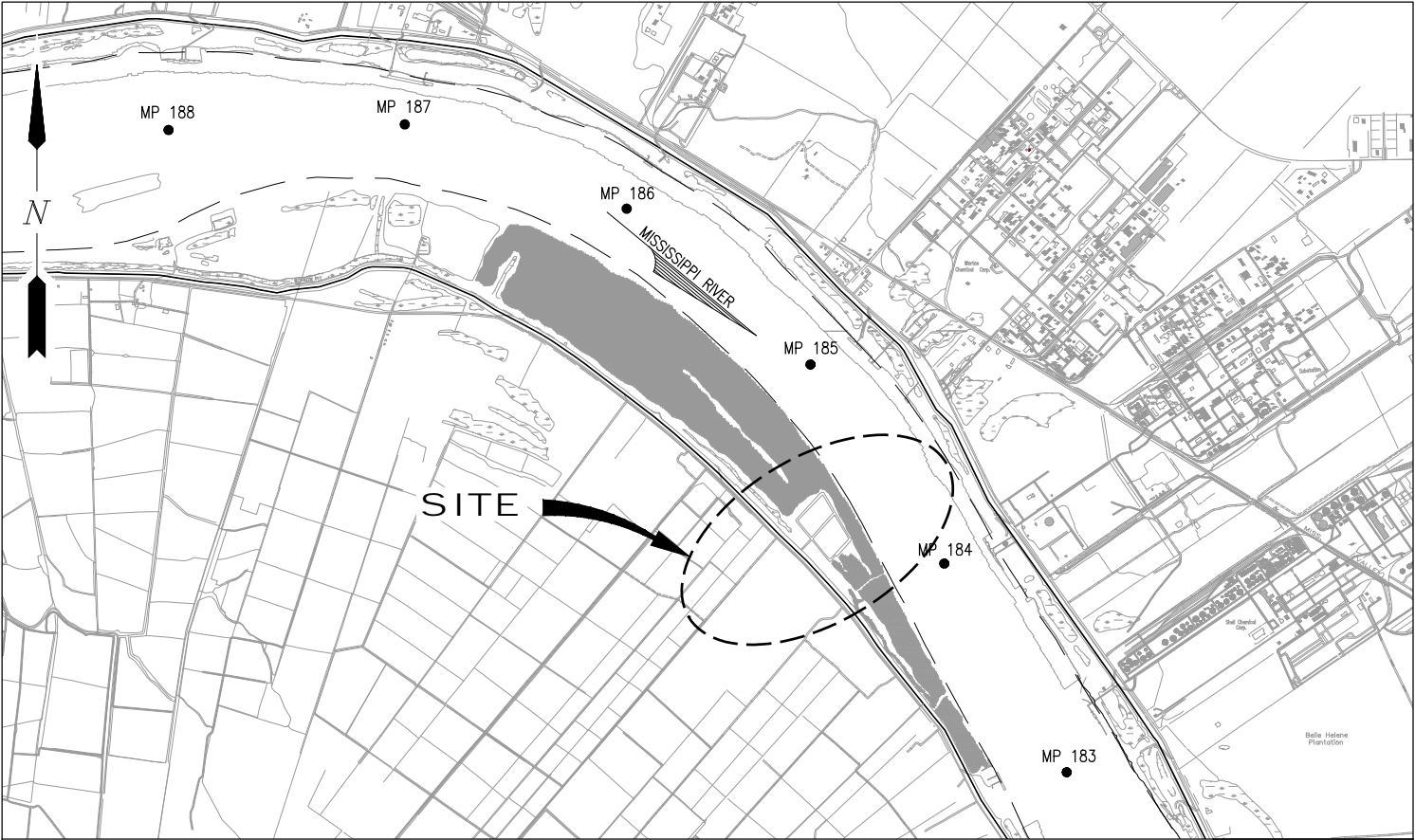
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REV	DATE	BY	DESCRIPTION	REV	DATE	BY	DESCRIPTION

CF INDUSTRIES BLUE POINT, LLC
ASCENSION PARISH LOUISIANA

BLUE AMMONIA PLANT PROJECT
NEW MARINE TERMINAL
CROSS SECTION @ APPROACH (7 OF 7)

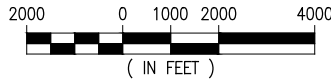
SHEET NO.

XS7



VICINITY MAP

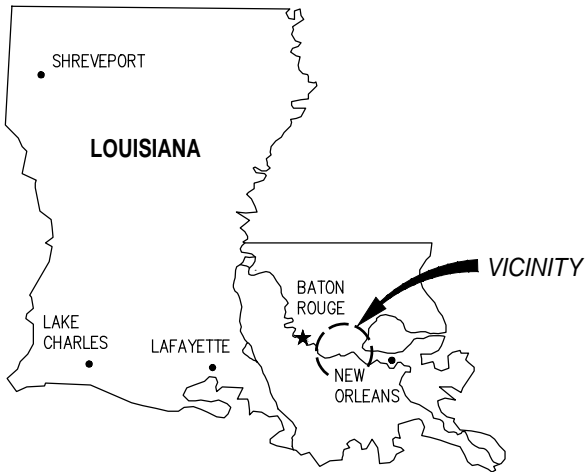
SCALE: 1"=4000'



ASCENSION PARISH, LA
LAT. 30° 11' 08" N
LONG. 91° 01' 16" W

NOTES

1. AS-BUILT DRAWINGS AND/OR PLANS SHALL HAVE WRITTEN ON THEM THE DATE OF COMPLETION OF SAID ACTIVITIES AND SHALL BE SUBMITTED TO THE LOUISIANA DEPARTMENT OF NATURAL RESOURCES, OFFICE OF COASTAL MANAGEMENT, P.O. BOX 44487, BATON ROUGE, LA 70804-4487 WITHIN 30 DAYS FOLLOWING PROJECT COMPLETION.
2. ALL STRUCTURES, FACILITIES, WELLS, AND PIPELINES/FLOWLINES OCCURRING IN OPEN WATER AREAS OR IN OILFIELD CANALS OR SLIPS SHALL BE REMOVED WITHIN 120 DAYS OF ABANDONMENT OF THE FACILITIES FOR THE HEREIN PERMITTED USE UNLESS PRIOR WRITTEN APPROVAL TO LEAVE SUCH STRUCTURES IN PLACE IS RECEIVED FROM THE COASTAL MANAGEMENT DIVISION. THIS CONDITION DOES NOT PRECLUDE THE NECESSITY FOR REVISING THE CURRENT PERMIT OR OBTAINING A SEPARATE COASTAL USE PERMIT, SHOULD ONE BE REQUIRED.
3. STRUCTURES MUST ALSO BE MARKED/LIGHTED IN ACCORDANCE WITH U.S. COAST GUARD REGULATIONS.
4. IN ORDER TO ENSURE THE SAFETY OF ALL PARTIES, THE PERMITEE SHALL CONTACT THE LOUISIANA ONE CALL SYSTEM (1-800-272-3020) A MINIMUM OF 48 HOURS PRIOR TO THE COMMENCEMENT OF ANY EXCAVATION (DIGGING, DREDGING, JETTING, ETC.) OR DEMOLITION ACTIVITY.
5. HORIZONTAL DATUM REFERENCED TO LOUISIANA STATE PLANE NAD83.
6. ALL ELEVATIONS ARE EXPRESSED IN FEET AND TENTHS AND ARE REFERENCED TO NORTH AMERICAN VERTICAL DATUM 1988 (NAVD88). UNLESS NOTED OTHERWISE.
7. NO IMPACTS TO RARE, THREATENED OR ENDANGERED SPECIES OR CRITICAL HABITATS ARE ANTICIPATED FROM THE PROPOSED PROJECT. NO STATE OR FEDERAL PARKS, WILDLIFE REFUGES, WILDLIFE MANAGEMENT AREAS OR SCENIC RIVERS ARE KNOWN AT THE SPECIFIED SITE OR WITHIN ¼ MILE OF THE PROPOSED PROJECT. THE WILDLIFE DIVERSITY PROGRAM (WDP) REPORTS SUMMARIZE THE EXISTING INFORMATION KNOWN AT THE TIME OF THE REQUEST REGARDING THE LOCATION IN QUESTION. WDP REPORTS SHOULD NOT BE CONSIDERED FINAL STATEMENTS ON THE BIOLOGICAL ELEMENTS OR AREAS BEING CONSIDERED, NOR SHOULD THEY BE SUBSTITUTED FOR ON-SITE SURVEYS REQUIRED FOR ENVIRONMENTAL ASSESSMENTS. IF AT ANY TIME WDP TRACKED SPECIES ARE ENCOUNTERED WITHIN THE PROJECT AREA, PLEASE CONTACT OUR BIOLOGIST AT 225-763-3554.



AREA MAP

CHRIS L. O'BRIEN P.E.
LA P.E. #33945

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LA: EF-1120
VF-185

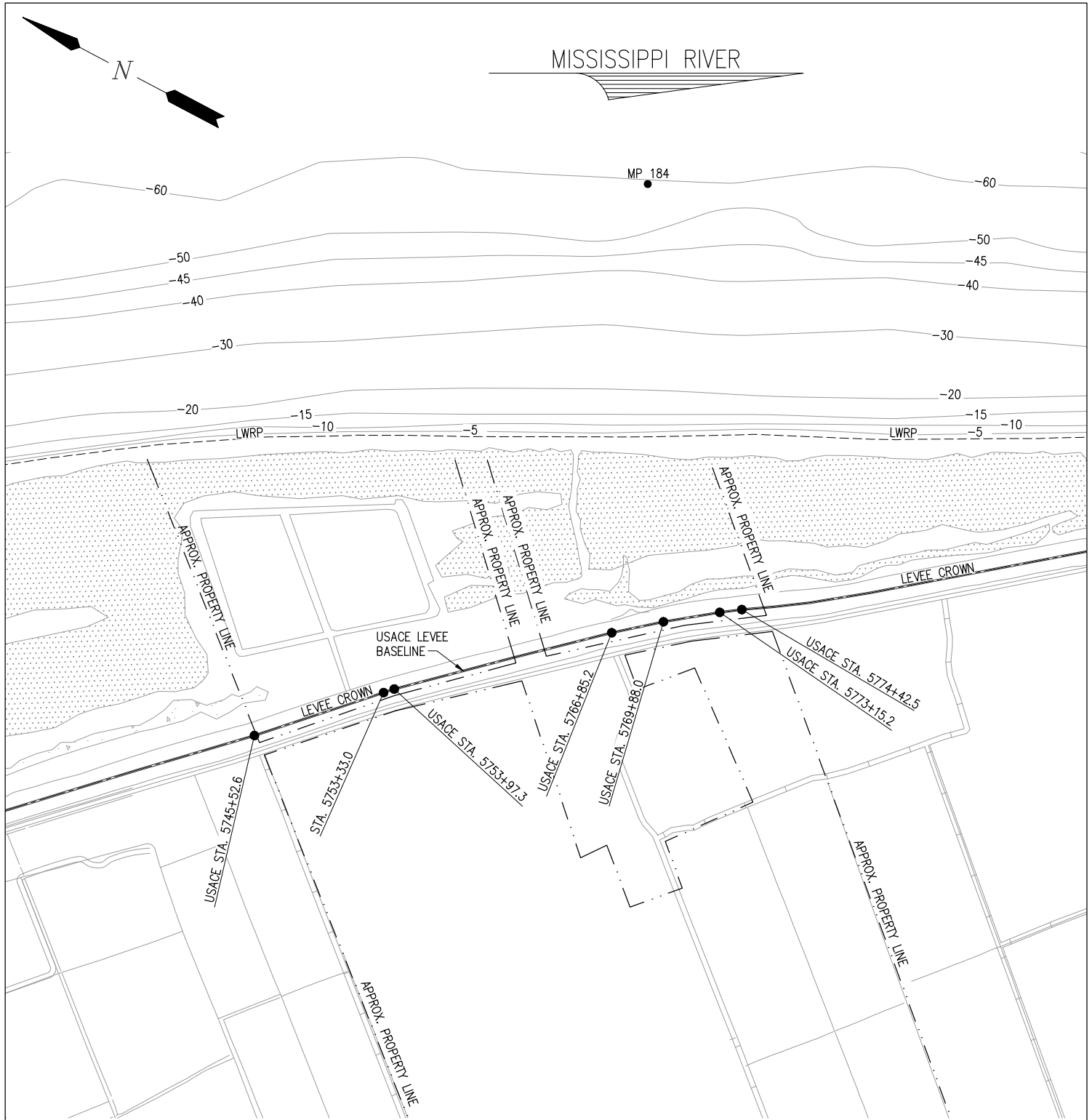
TX: F-2981
LSF-10194817

NEW ORLEANS • BEAUMONT • CORPUS CHRISTI • HOUSTON • MANDEVILLE

CF INDUSTRIES BLUE POINT, LLC
ASCENSION PARISH LOUISIANA

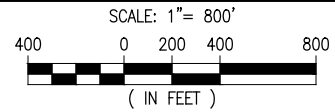
**LOW CARBON AMMONIA PLANT
HEAVY HAUL DOCK
VICINITY MAP, AREA MAP & NOTES**

DATE JAN. '25
DESIGN CLO
DRAWN JWB
CHECK CLO
JOB NO 13484
SHEET No.
1 OF 16



NOTES:
1. SURVEY DATA PROVIDED BY USACE 2020 REVETMENT SURVEY AND 2016 USACE LIDAR SURVEY INFORMATION.

OVERALL EXISTING SITE PLAN



CHRIS L. O'BRIEN P.E.
LA P.E. #33945

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CONSULTING ENGINEERS, INC.**

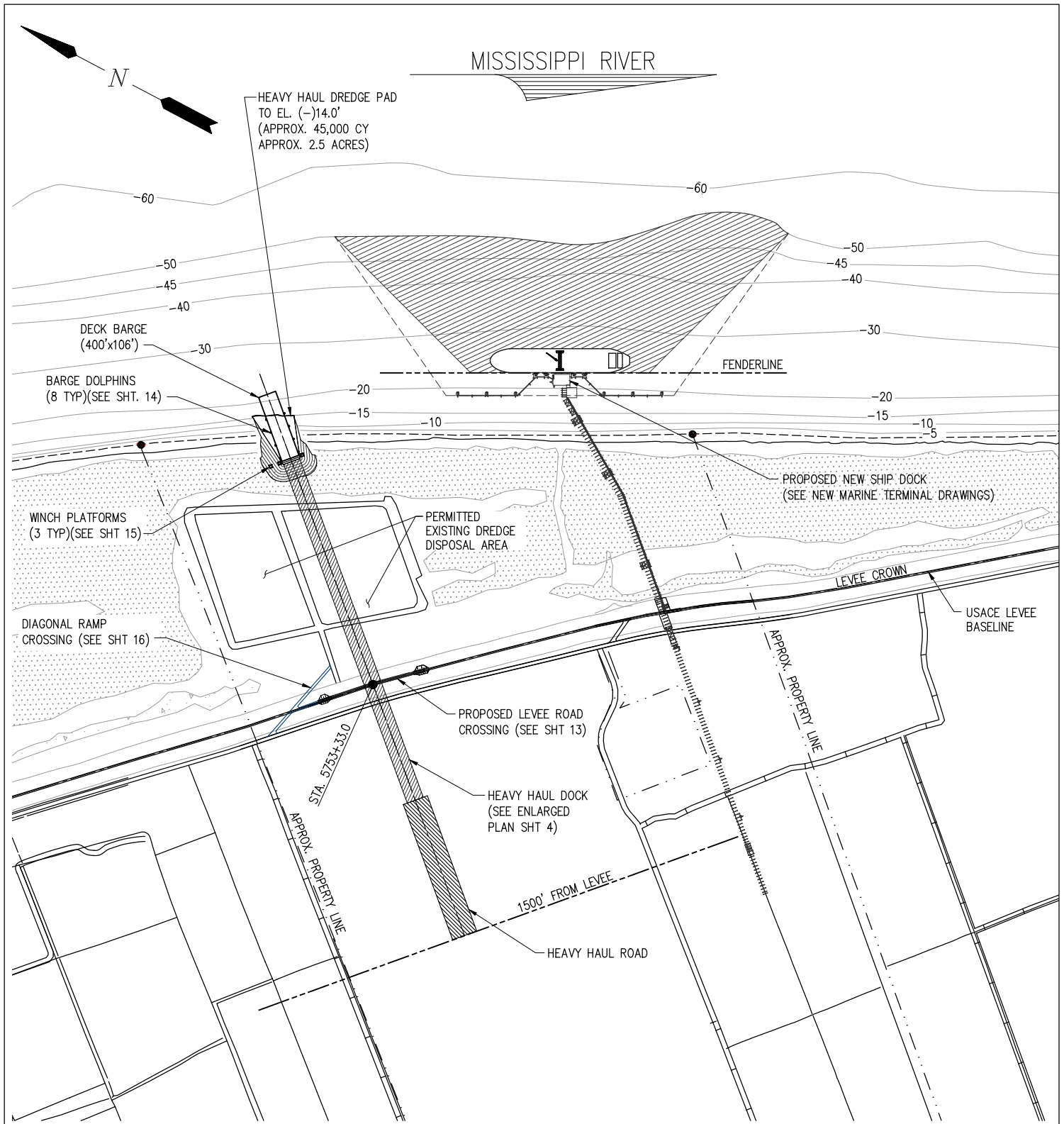
LA: EF-1120 TX: F-2981
VF-185 LSF-10194817

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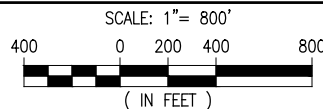
CF INDUSTRIES BLUE POINT, LLC
ASCENSION PARISH LOUISIANA

LOW CARBON AMMONIA PLANT
HEAVY HAUL DOCK
OVERALL EXISTING SITE PLAN

DATE JAN. '25
DESIGN CLO
DRAWN JWB
CHECK CLO
JOB NO 13484
SHEET No.
2 OF 16



OVERALL NEW SITE PLAN



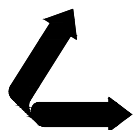
NOTES:

1. SURVEY DATA PROVIDED BY USACE 2020 REVETMENT SURVEY AND 2016 USACE LIDAR SURVEY INFORMATION.
2. DREDGE MATERIAL TO BE DISPOSED IN THE EXISTING PERMITTED DREDGE DISPOSAL AREA.

CHRIS L. O'BRIEN P.E.
LA P.E. #33945

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CONSULTING ENGINEERS, INC.**

LA: EF-1120
VF-185

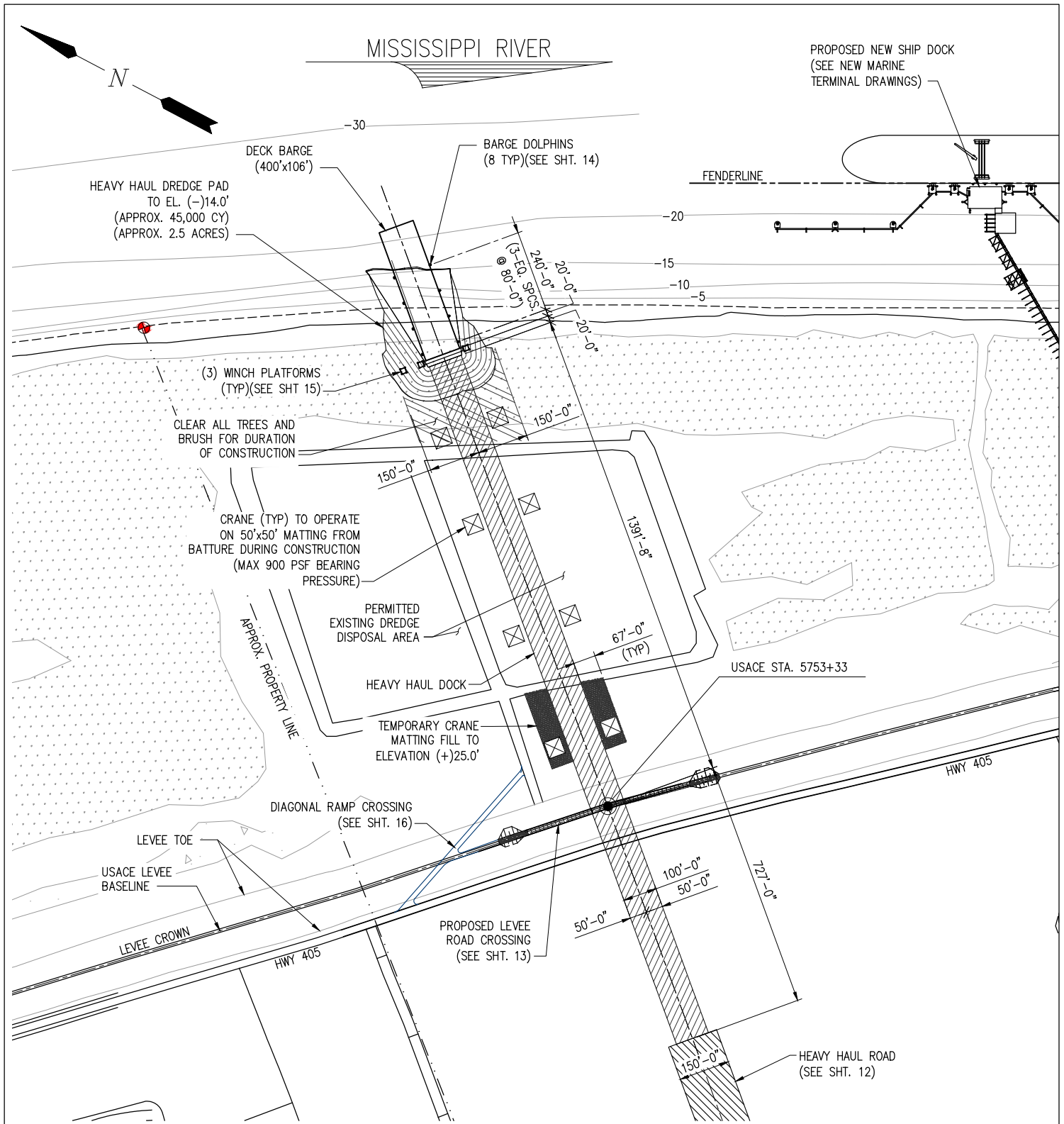
TX: F-2981
LSF-10194817

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ASCENSION PARISH LOUISIANA

**LOW CARBON AMMONIA PLANT
HEAVY HAUL DOCK
ENLARGED NEW SITE PLAN**

DATE JAN. '25
DESIGN CLO
DRAWN JWb
CHECK CLO
JOB NO 12117-1
SHEET No.
3 OF 16

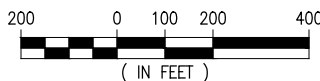


HEAVY HAUL DOCK ENLARGED PLAN

NOTES:

1. SURVEY DATA PROVIDED BY USACE 2020 REVETMENT SURVEY AND 2016 USACE LIDAR SURVEY INFORMATION.
2. DREDGE MATERIAL TO BE DISPOSED IN THE EXISTING PERMITTED DREDGE DISPOSAL AREA.

SCALE: 1"= 400'



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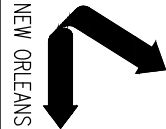
LA: EF-1120 TX: F-2981
VF-185 LSF-10194817

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CF INDUSTRIES BLUE POINT, LLC
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**LOW CARBON AMMONIA PLANT
HEAVY HAUL DOCK
ENLARGED PLAN**

DATE JAN. '25
DESIGN CLO
DRAWN JWB
CHECK CLO
JOB NO 13484
SHEET No.
4 OF 16



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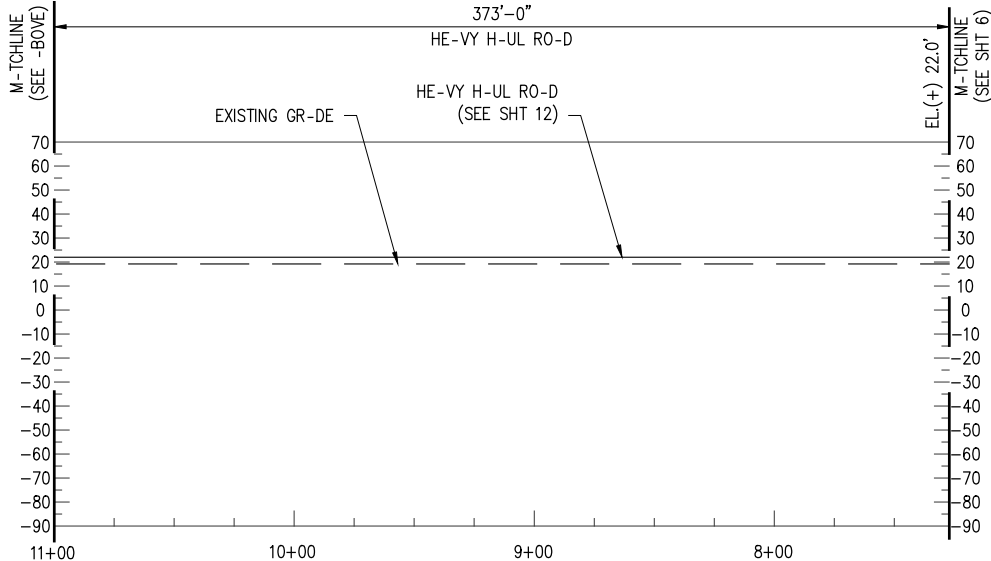
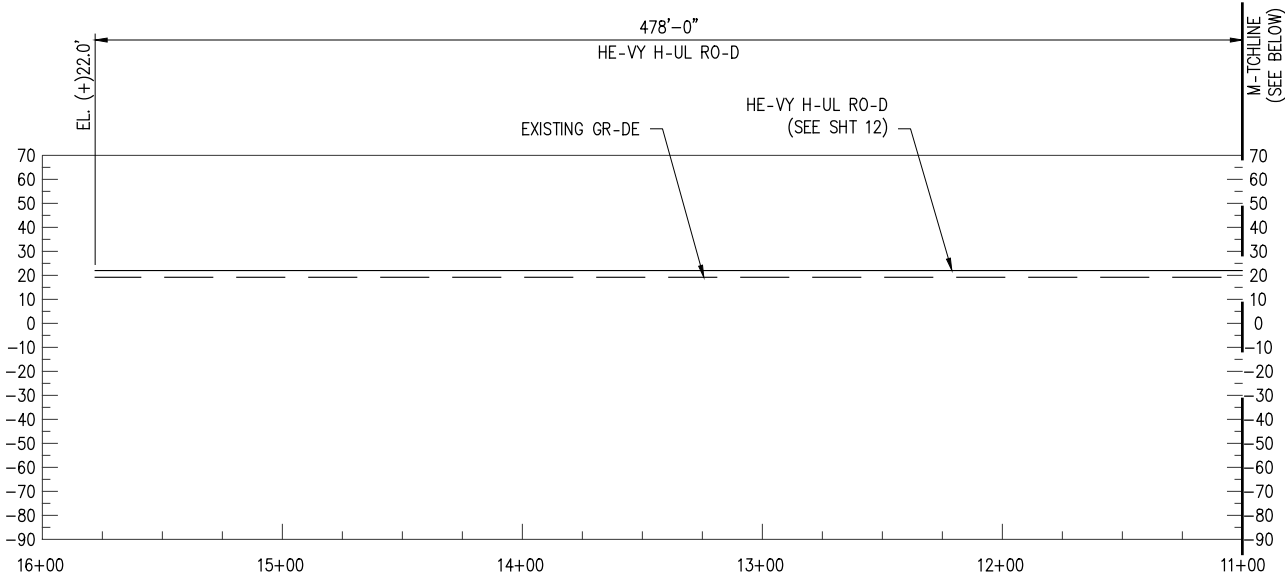
PRELIMINARY - FOR PERMITTING PURPOSES ONLY, NOT FOR CONSTRUCTION

CF INDUSTRIES BLUE POINT, LLC
ASCENSION PARISH
LOUISIANA

LOW CARBON AMMONIA PLANT
HEAVY HAUL DOCK
SECTION @ STA. 5753+33 (1 OF 4)

DATE JAN. '25
DESIGN CLO
DRAWN JWB
CHECK CLO
JOB NO. 13484
SHEET No. 5 OF 16

REV
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SECTION @ STA. 5753+33

SC-LE: 1"=80'





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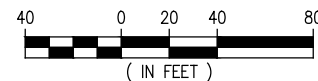
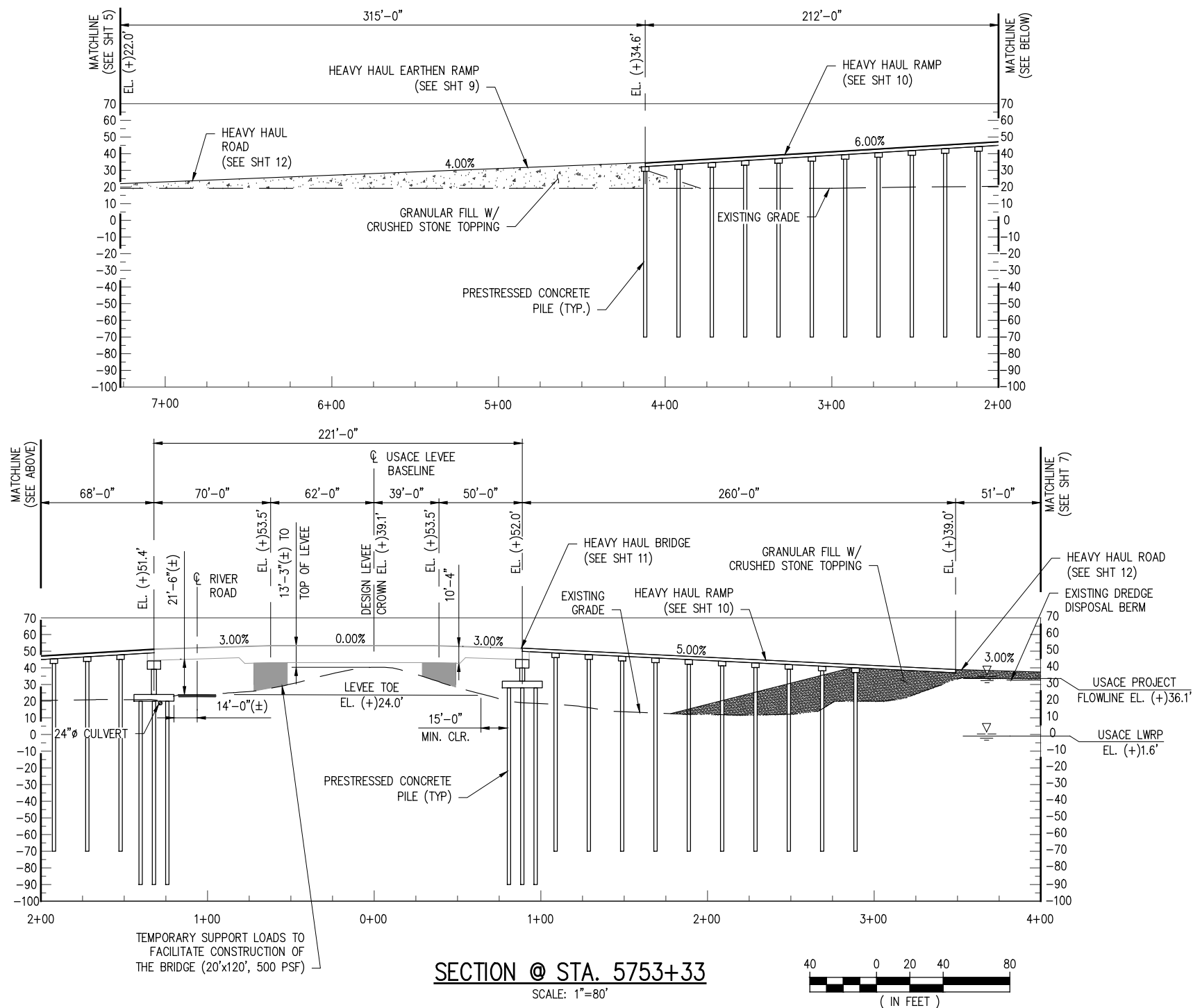
PRELIMINARY - FOR PERMITTING PURPOSES ONLY, NOT FOR CONSTRUCTION

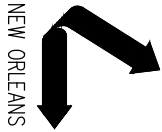
CF INDUSTRIES BLUE POINT, LLC
ASCENSION PARISH
LOUISIANA

LOW CARBON AMMONIA PLANT
HEAVY HAUL DOCK
SECTION @ STA. 5753+33 (2 OF 4)

DATE: JAN. '25
DESIGN: CLO
DRAWN: JWB
CHECK: CLO
JOB NO: 13484
SHEET No. 6 OF 16

REV
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VF-185
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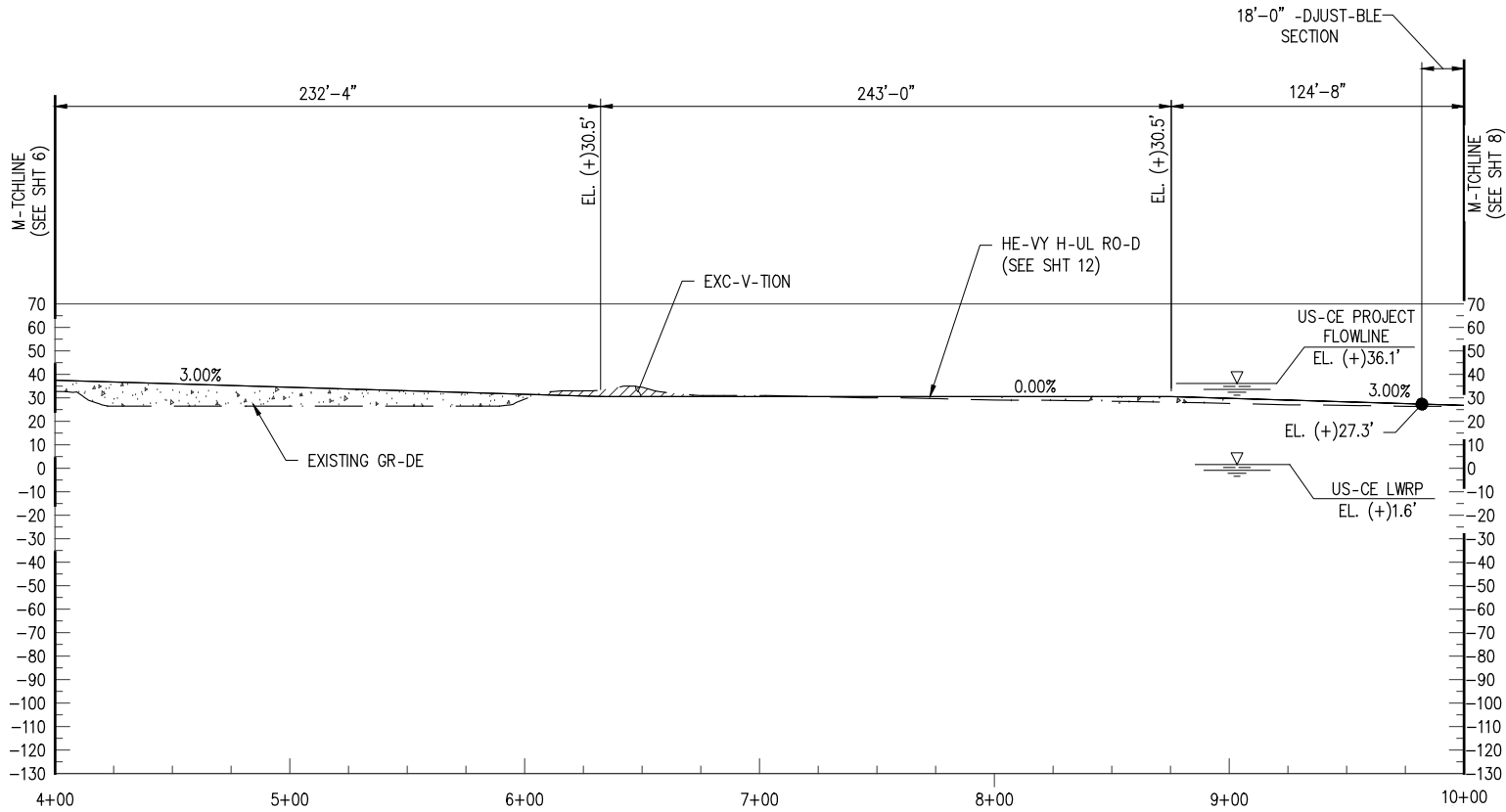
PRELIMINARY - FOR PERMITTING PURPOSES ONLY, NOT FOR CONSTRUCTION

CF INDUSTRIES BLUE POINT, LLC
ASCENSION PARISH
LOUISIANA

LOW CARBON AMMONIA PLANT
HEAVY HAUL DOCK
SECTION @ STA. 5753+33 (3 OF 4)

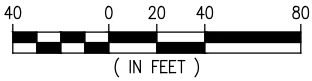
DATE JAN. '25
DESIGN CLO
DRAWN JWB
CHECK CLO
JOB NO 13484
SHEET No. 7 OF 16

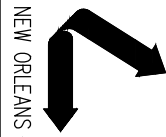
REV
A



SECTION @ STA. 5753+33

SC-LE: 1"=80'





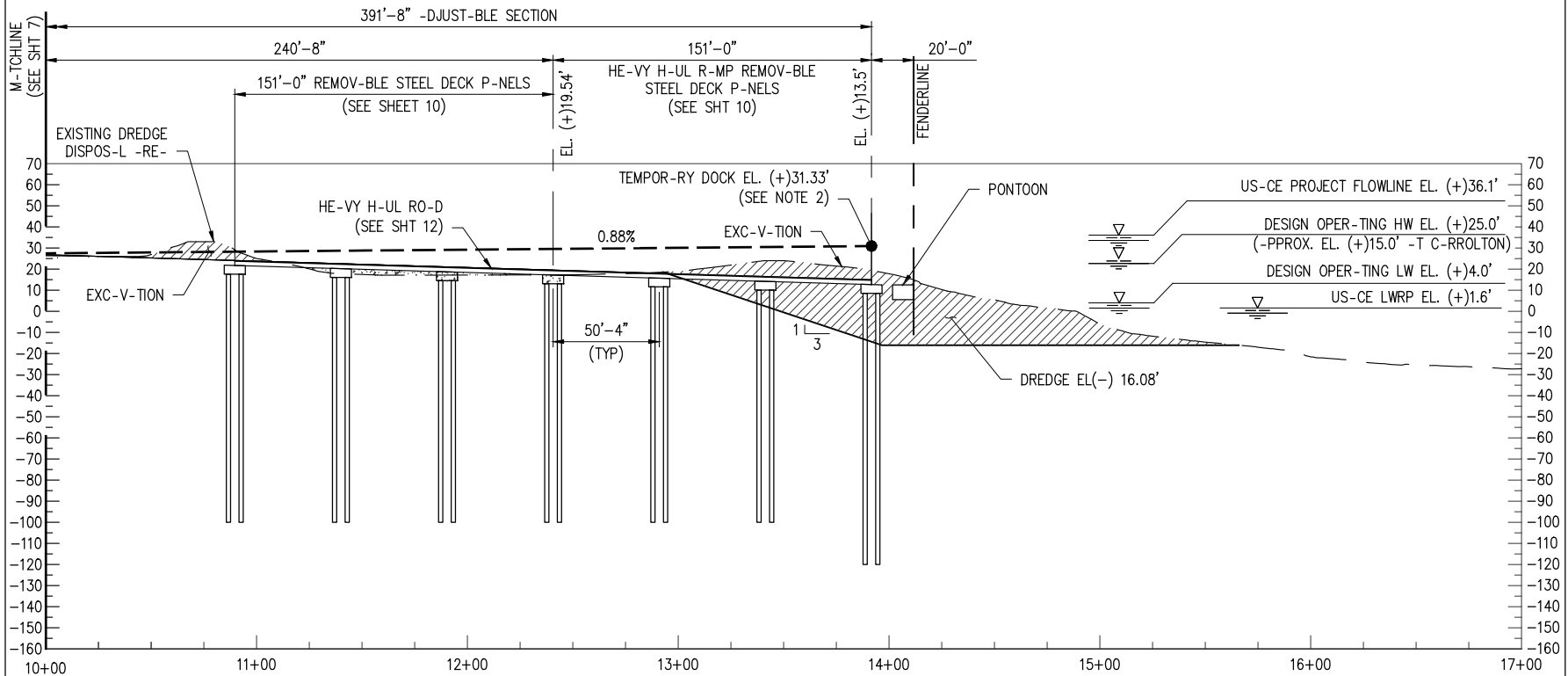
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LA: EF-1120
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ASCENSION PARISH
LOUISIANA
LOW CARBON AMMONIA PLANT
HEAVY HAUL DOCK
SECTION @ STA. 5753+33 (4 OF 4)

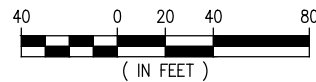
DATE JAN. '25
DESIGN CLO
DRAWN JWB
CHECK CLO
JOB NO. 13484
SHEET No. 8 OF 16
REV A

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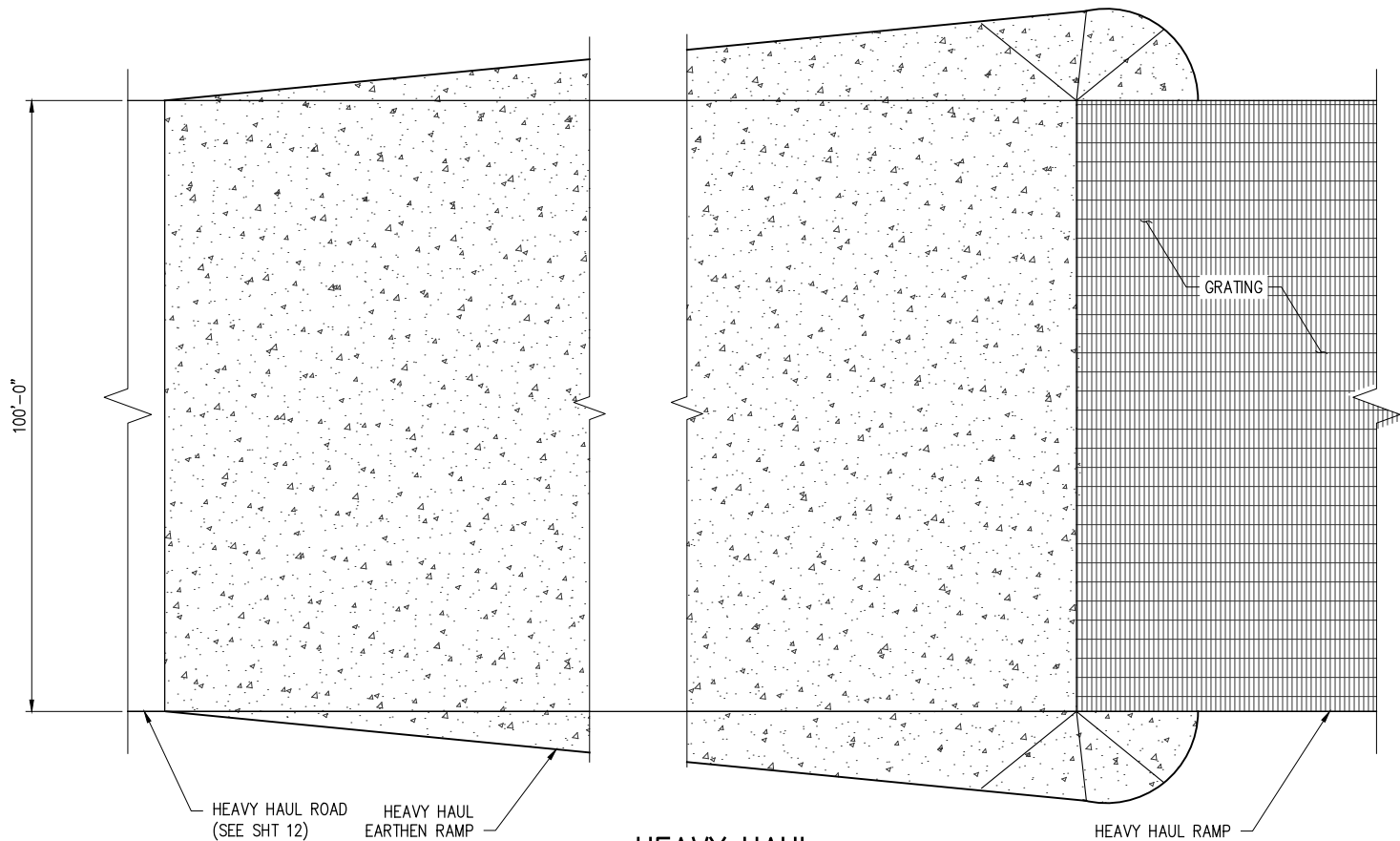
SECTION @ STA. 5753+33

SC-LE: 1"=80'



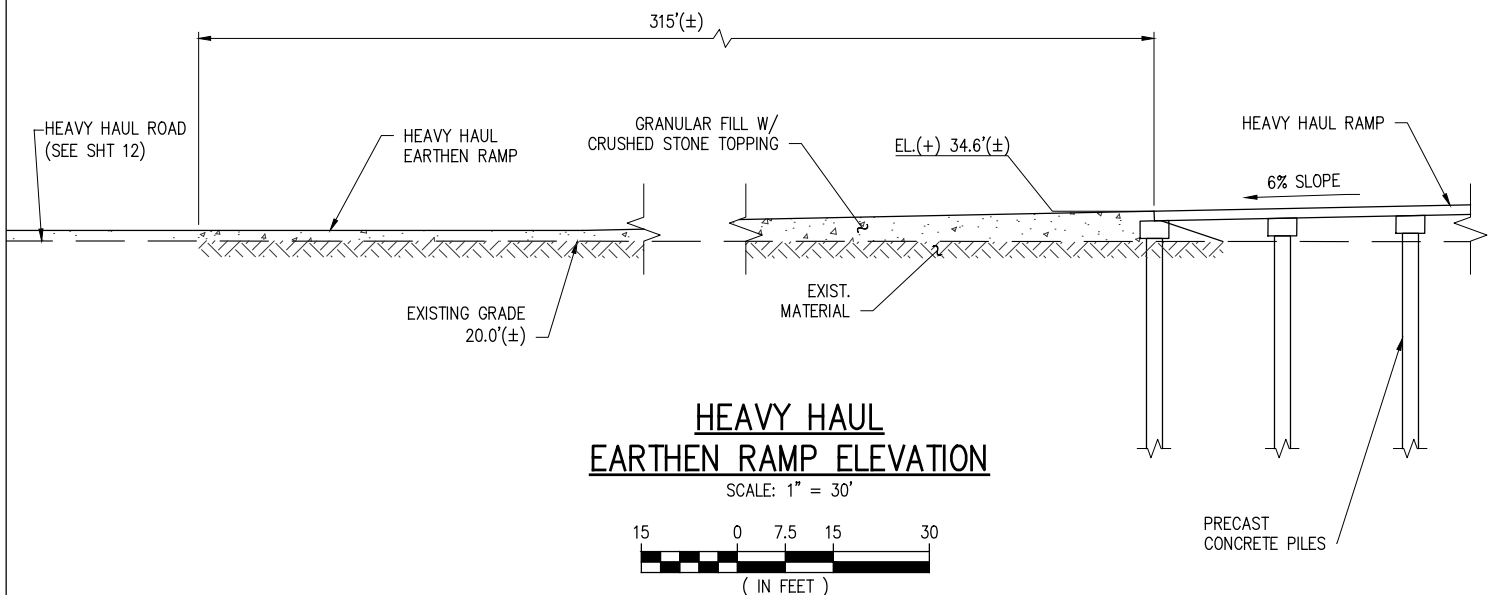
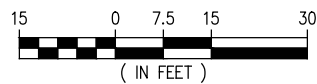
NOTES:

- DECK P-NELS BELOW HIGH WATER WILL BE REMOVED FOLLOWING THE PROJECT.
- TEMPORARY MATTING AND FILL WILL BE PROVIDED TO EL. (+)31.33' -S REQUIRED TO ACCOMMODATE RIVER ST-GES.



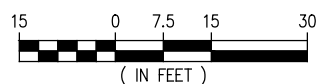
HEAVY HAUL EARTHEN RAMP PLAN

SCALE: 1" = 30'



HEAVY HAUL EARTHEN RAMP ELEVATION

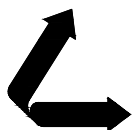
SCALE: 1" = 30'



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CF INDUSTRIES BLUE POINT, LLC
ASCENSION PARISH LOUISIANA

LOW CARBON AMMONIA PLANT
HEAVY HAUL DOCK
PROPOSED NEWW HEAVY HAUL STONE RAMP

DATE JAN. '25
DESIGN CLO
DRAWN JWB
CHECK CLO
JOB NO 13484
SHEET No.
9 OF 16

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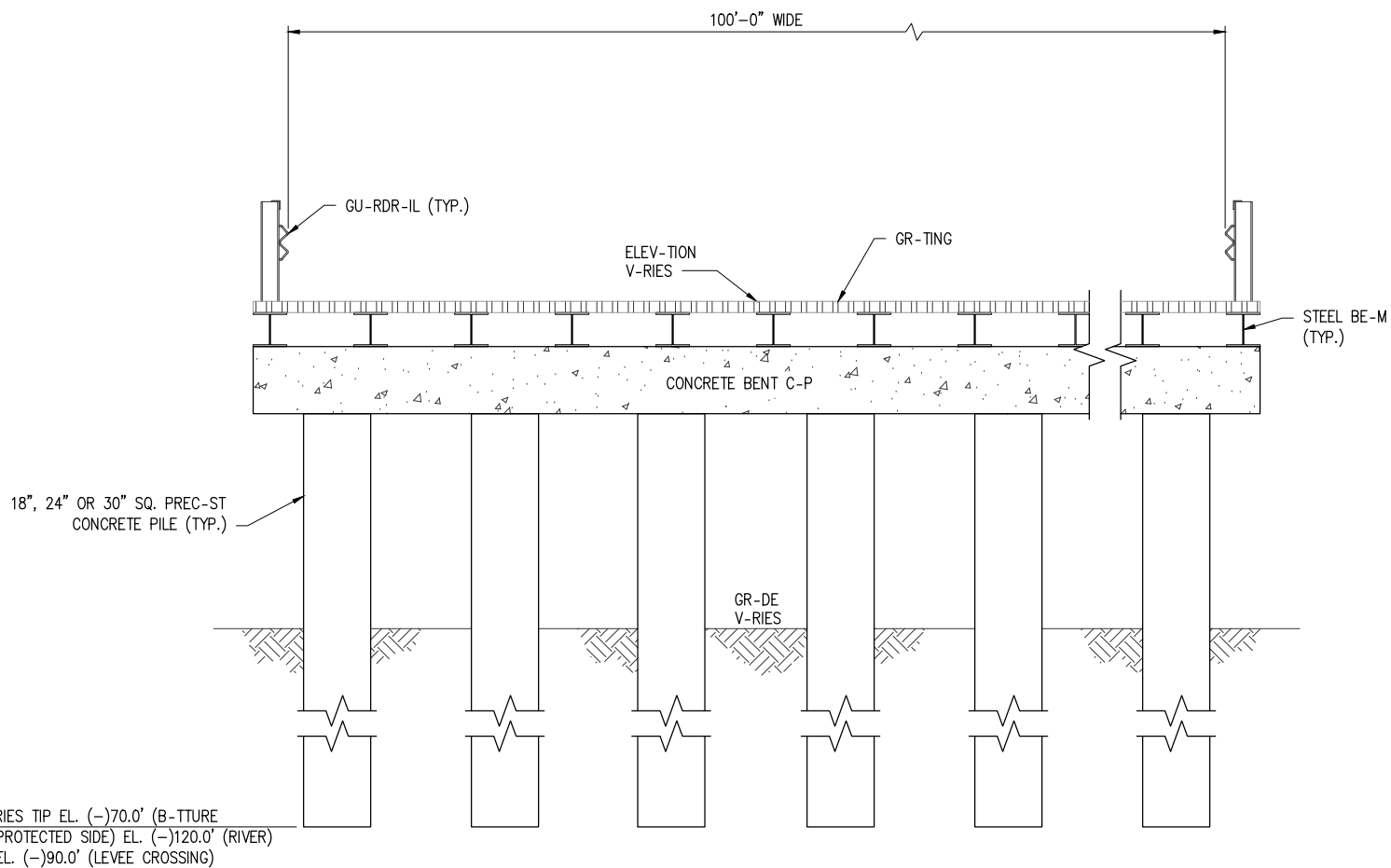
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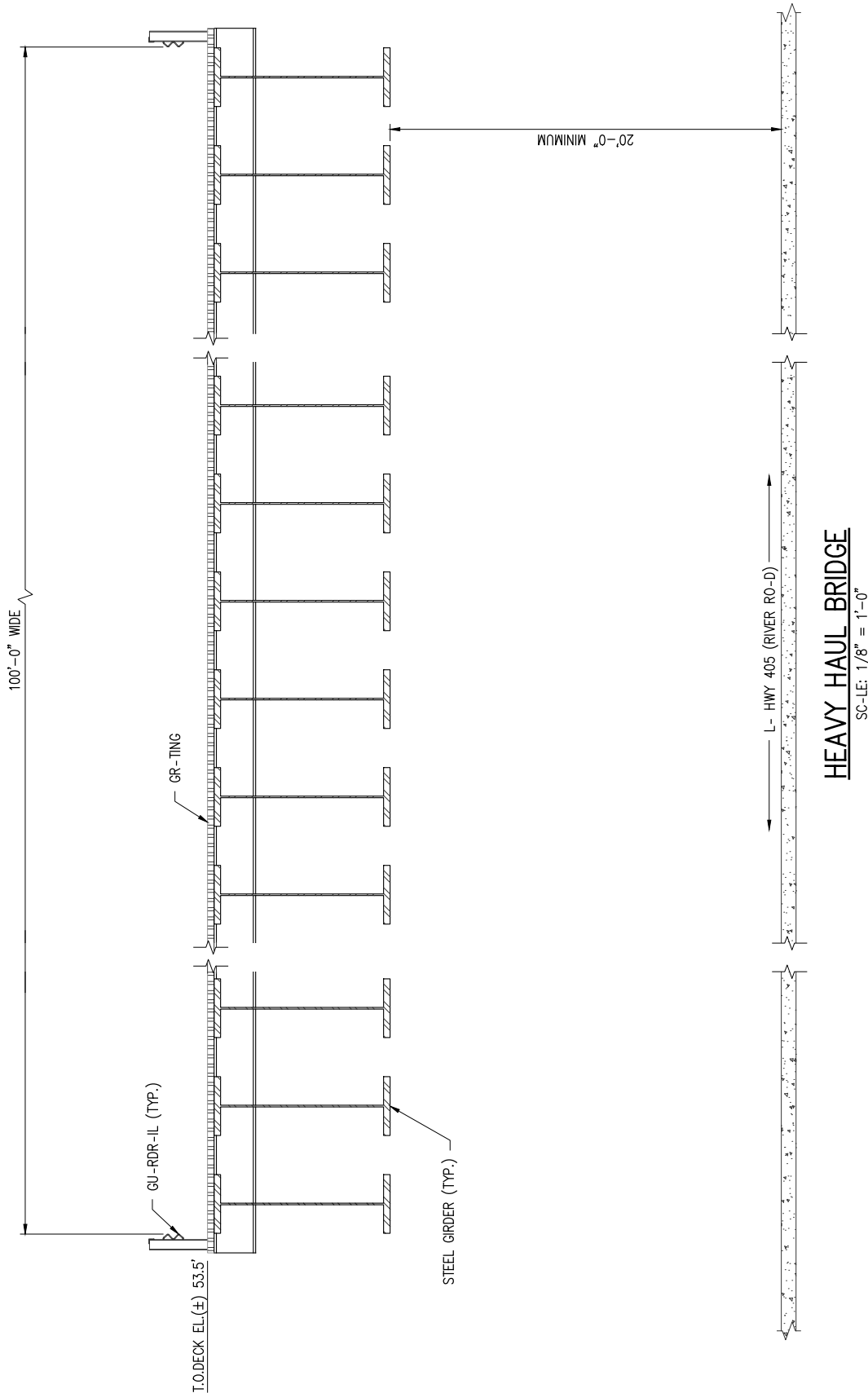
NEW ORLEANS • BEAUMONT • CORPUS CHRISTI • HOUSTON • MANDEVILLE

CF INDUSTRIES BLUE POINT, LLC
ASCENSION PARISH
LOUISIANA

LOW CARBON AMMONIA PLANT
HAVY HAUL DOCK
HEAVY HAUL RAMP TYPICAL BENT

DATE JAN. '25
DESIGN CLO
DRAWN JWB
CHECK CLO
JOB NO 13484
SHEET No.
10 OF 16

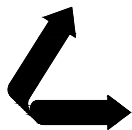
**HEAVY HAUL RAMP TYPICAL BENT**



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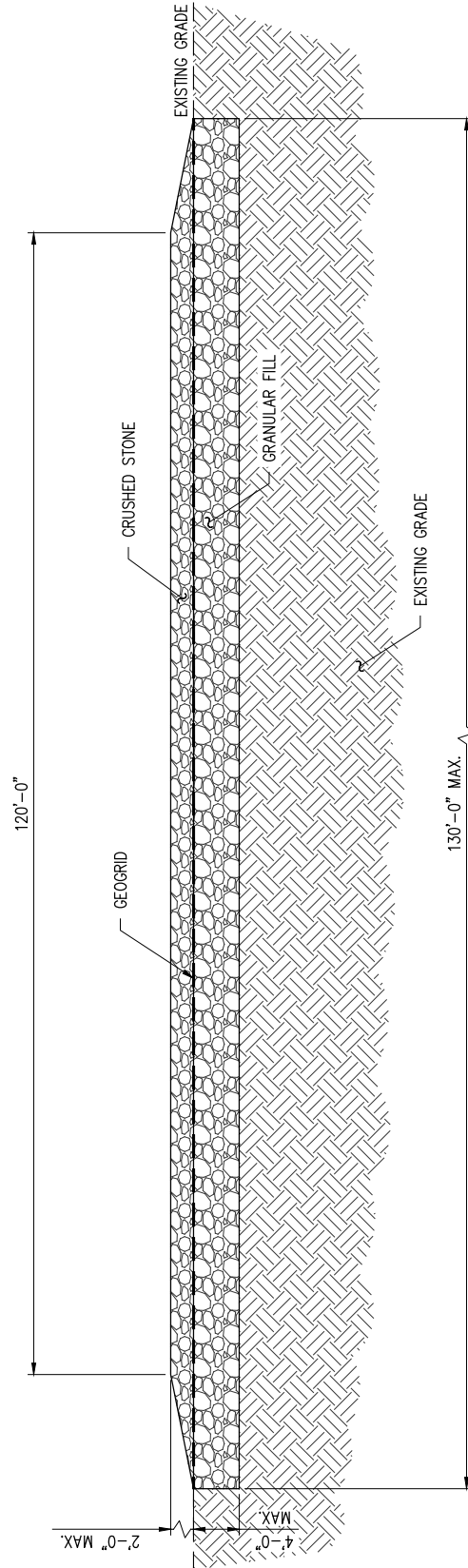
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LSF-10194817

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CF INDUSTRIES BLUE POINT, LLC
ASCENSION PARISH LOUISIANA

LOW CARBON AMMONIA PLANT
HEAVY HAUL DOCK
HEAVY HAUL BRIDGE

DATE JAN. '25
DESIGN CLO
DRAWN JWB
CHECK CLO
JOB NO 13484
SHEET No.
11 OF 16



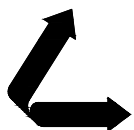
HEAVY HAUL ROAD TYPICAL SECTION

SCALE: 1/16" = 1'-0"

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LA: EF-1120
VF-185

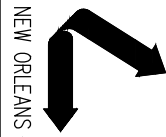
TX: F-2981
LSF-10194817

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CF INDUSTRIES BLUE POINT, LLC
ASCENSION PARISH LOUISIANA

LOW CARBON AMMONIA PLANT
HEAVY HAUL DOCK
HEAVY HAUL ROAD TYPICAL SECTION

DATE JAN. '25
DESIGN CLO
DRAWN JWB
CHECK CLO
JOB NO 13484
SHEET No.
12 OF 16



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LA: EF-1120
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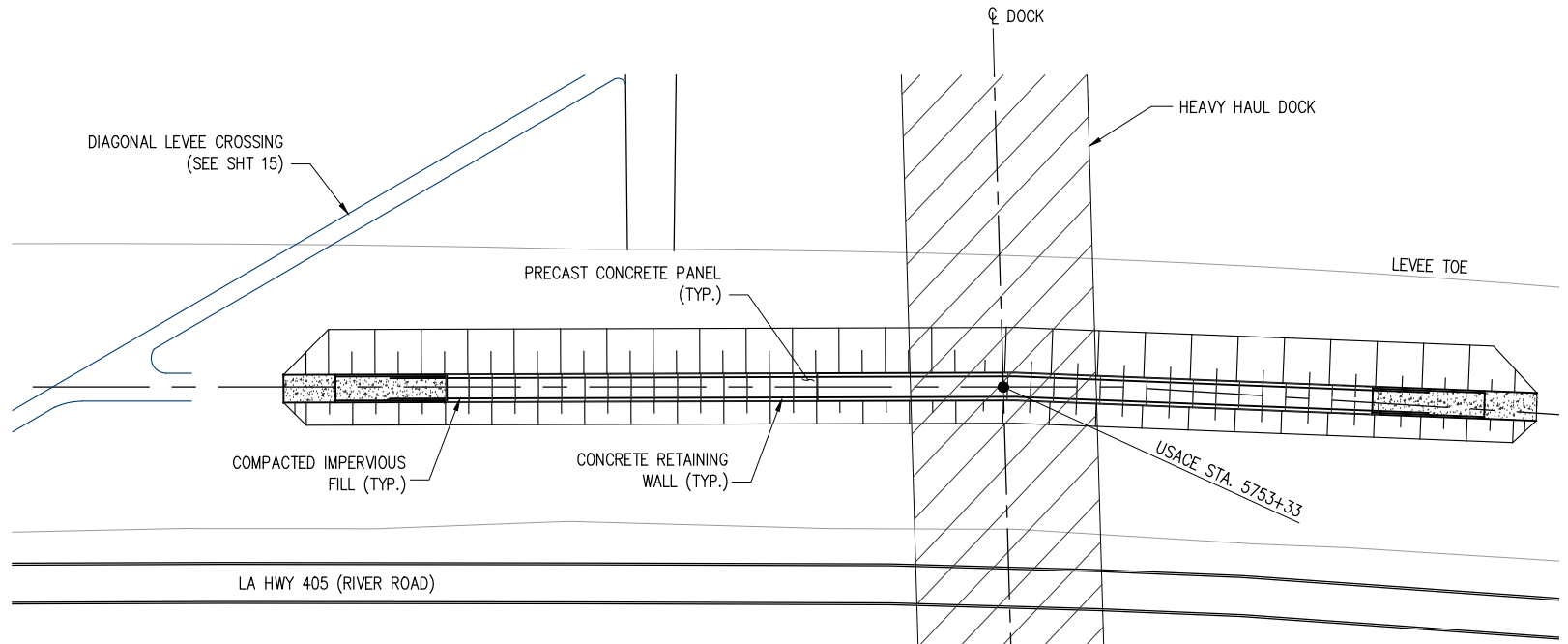
PRELIMINARY - FOR PERMITTING PURPOSES ONLY, NOT FOR CONSTRUCTION

CF INDUSTRIES BLUE POINT, LLC
ASCENSION PARISH
LOUISIANA

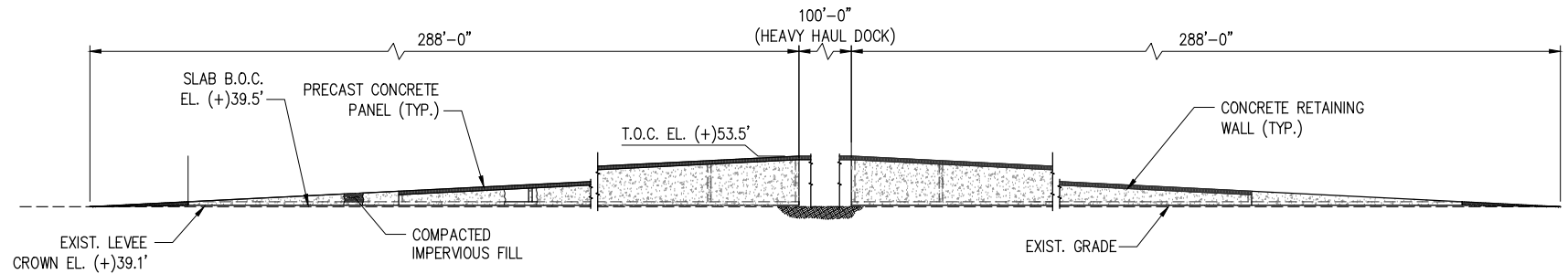
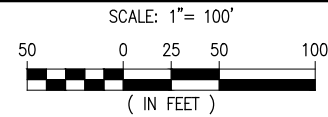
LOW CARBON AMMONIA PLANT
HEAVY HAUL DOCK
PROPOSED LEVEE CROSSING PLAN & ELEVATION

DATE JAN. '25
DESIGN CLO
DRAWN JWB
CHECK CLO
JOB NO. 13484
SHEET No. 13 OF 16

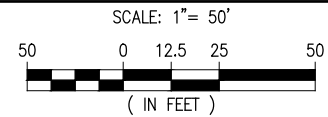
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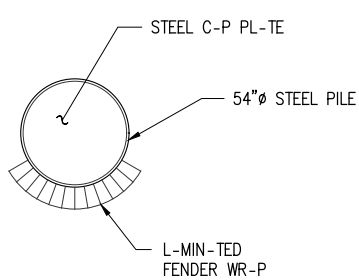


PROPOSED LEVEE ROAD CROSSING – ELEVATION



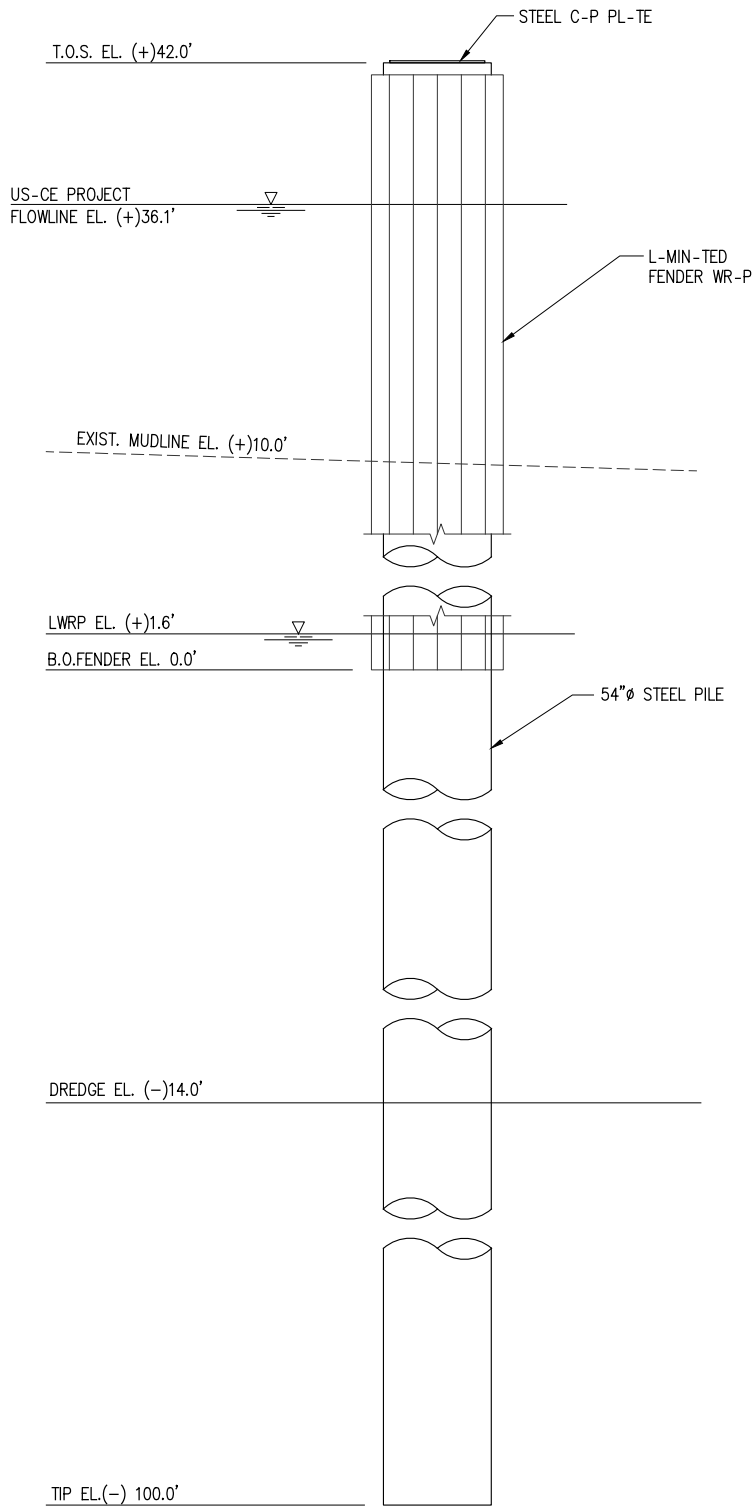
PROPOSED LEVEE ROAD CROSSING – ELEVATION





BARGE DOLPHIN - PLAN

SC-LE: 1/8"=1'-0"



BARGE DOLPHIN - ELEVATION

SC-LE: 1/8"=1'-0"
(8 REQUIRED)

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VF-185

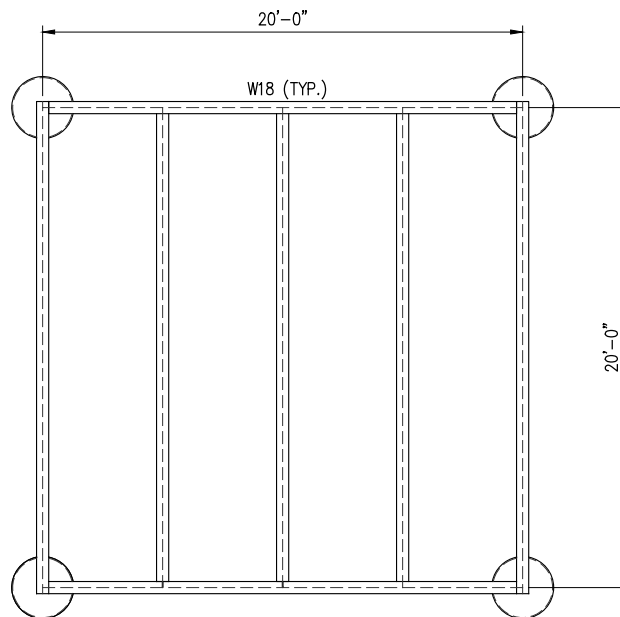
TX: F-2981
LSF-10194817

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CF INDUSTRIES BLUE POINT, LLC
ASCENSION PARISH LOUISIANA

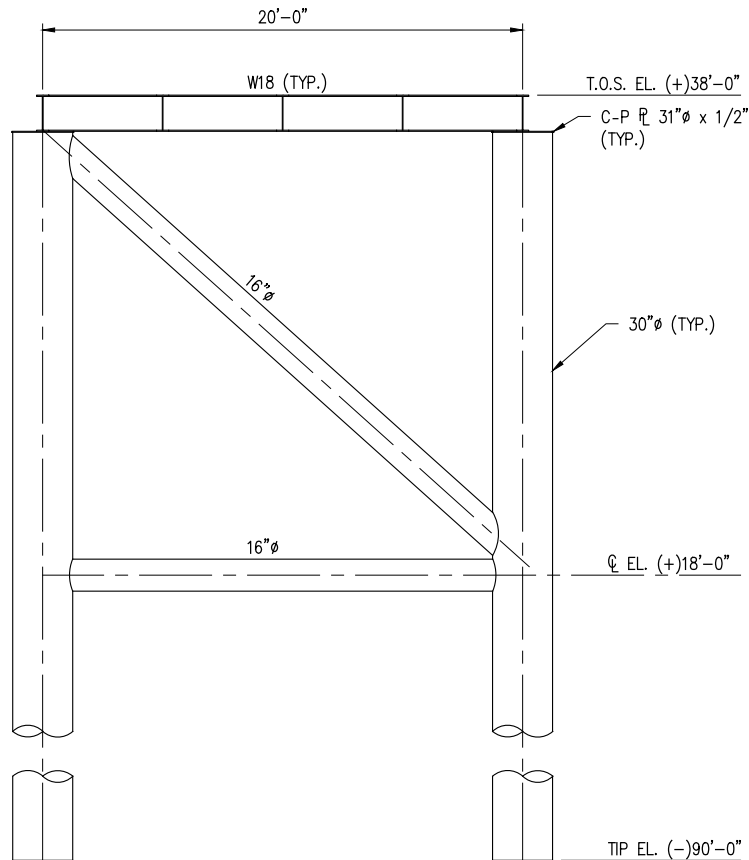
LOW CARBON AMMONIA PLANT
HEAVY HAUL DOCK
BARGE DOLPHIN PLAN & ELEVATION

DATE JAN. '25
DESIGN CLO
DRAWN JWB
CHECK CLO
JOB NO 13484
SHEET No.
14 OF 16



WINCH PLATFORM PLAN

SC-LE: 1/8" = 1'-0"



WINCH PLATFORM ELEVATION

SC-LE: 1/8" = 1'-0"

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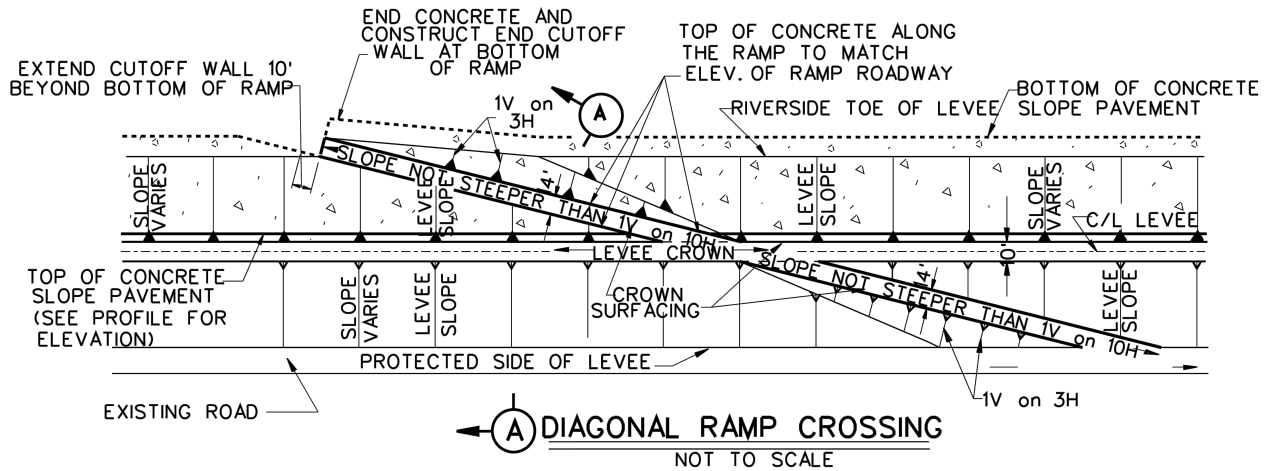
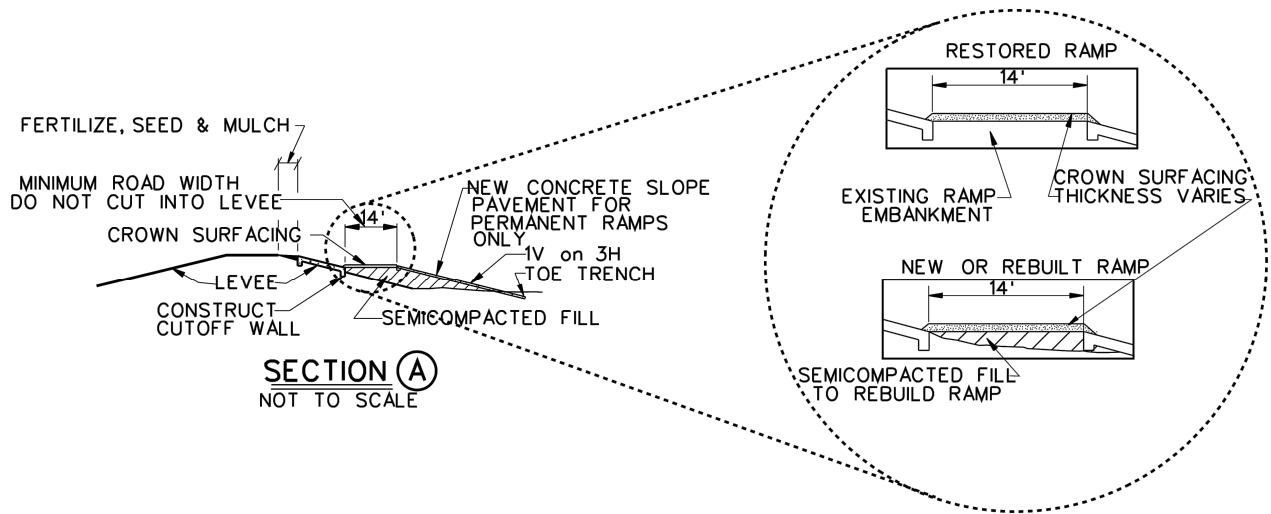
TX: F-2981
LSF-10194817

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CF INDUSTRIES BLUE POINT, LLC
ASCENSION PARISH LOUISIANA

**LOW CARBON AMMONIA PLANT
HEAVY HAUL DOCK
WINCH PLATFORM PLAN & ELEVATION**

DATE JAN. '25
DESIGN CLO
DRAWN JWB
CHECK CLO
JOB NO 13484
SHEET No.
15 OF 16



REFERENCE US-CE DR-WING:
PIPE LINE CROSSINGS OVER LEVEES -ND FLOODW-LLS
SURF-CE CROSSINGS TYPIC-L OF RIVER LEVEES
FILE NUMBER H-8-29027, DR-WING 6 OF 9

CHRIS L. O'BRIEN P.E.
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VF-185 LSF-10194817

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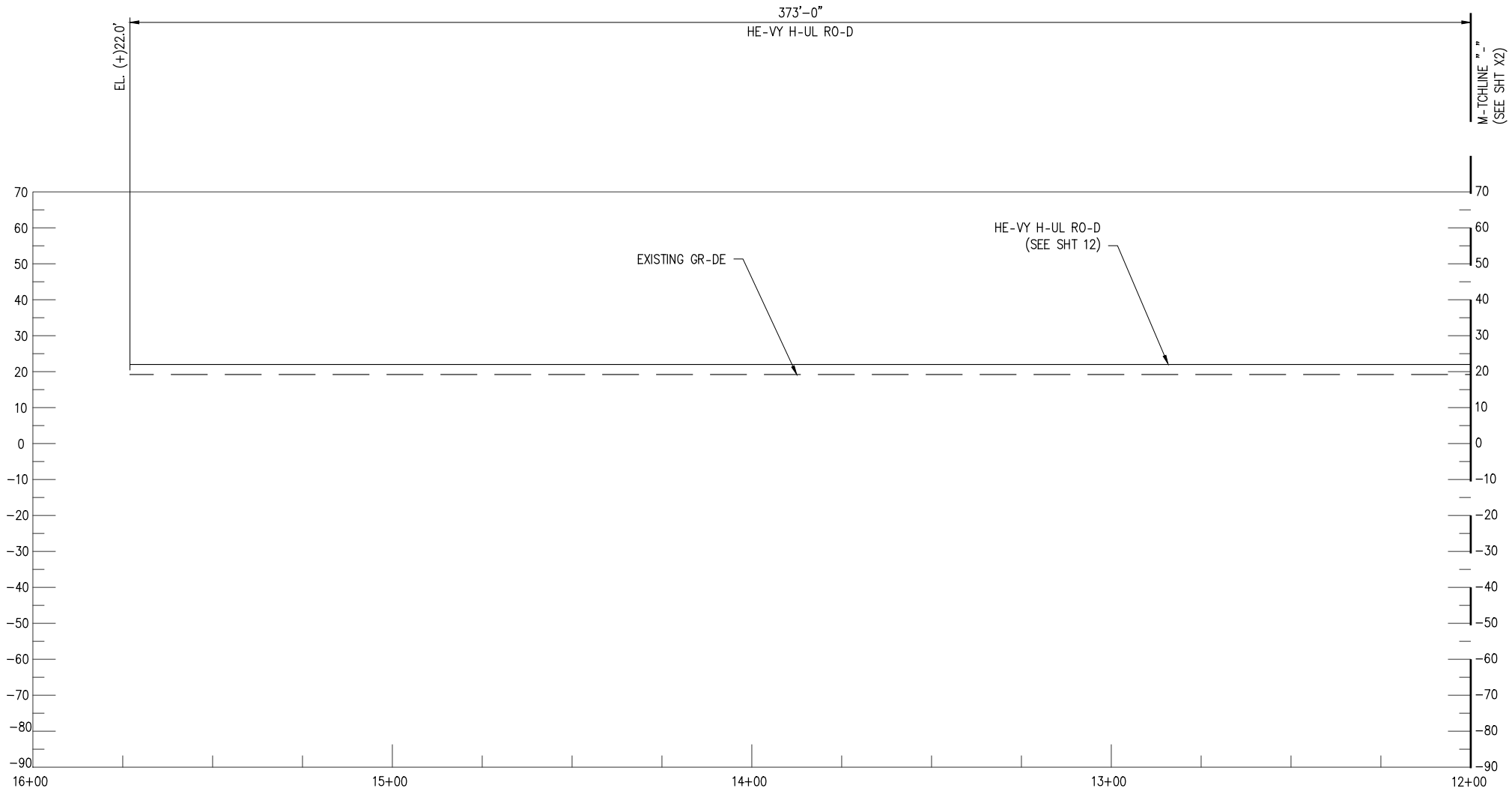
CF INDUSTRIES BLUE POINT, LLC
ASCENSION PARISH LOUISIANA

LOW CARBON AMMONIA PLANT
HEAVY HAUL DOCK
USACE LEVEE RAMP CROSSING DETAILS

DATE JAN. '25
DESIGN CLO
DRAWN JWB
CHECK CLO
JOB NO. 13484
SHEET No.
16 OF 16

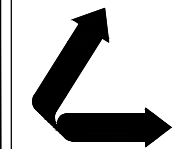
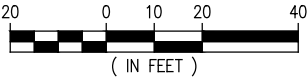
7/10/2025 1:54 PM

J:\3000S\13484 CF HE-VY H-UL DOCK\DR-WINGS\PERMIT\13484-PXS.DWG



SECTION @ STA. 5753+33

SC-LE: 1"=40'



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LA: EF-1120 TX: F-2981
VF-185 LSF-10194817

NEW ORLEANS • BEAUMONT • CORPUS CHRISTI • HOUSTON • MANDEVILLE

REV	DATE	BY	DESCRIPTION

REV	DATE	BY	DESCRIPTION

THIS DOCUMENT IS
RELEASED FOR THE
PURPOSE OF REVIEW UNDER
THE AUTHORITY OF
CHRIS O'BRIEN, P.E. 33945
ON 07/10/25. IT IS NOT
TO BE USED FOR BIDDING
OR CONSTRUCTION
PURPOSES.

CHRIS L. O'BRIEN P.E.
L- PE #33945

DATE JAN. '25
SHT SIZE 11"x17"
DESIGN CLO
DRAWN JWB
CHECK CLO
APPR'D CLO
JOB NO 13484


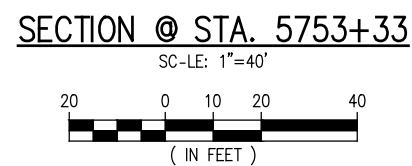
PRELIMINARY - FOR PERMITTING PURPOSES ONLY, NOT FOR CONSTRUCTION

CF INDUSTRIES BLUE POINT, LLC
ASCENSION PARISH LOUISIANA

LOW CARBON AMMONIA PLANT
HEAVY HAUL DOCK
SECTION @ STA. 5753+33 (1 OF 6)

SHEET NO.

X1



LA: EF-1120 TX: F-2981
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[illegible]

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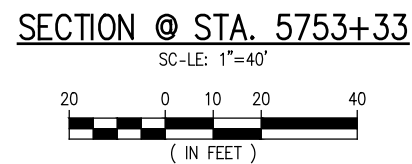
DATE	JAN. '25
SHT SIZE	11"x17"
DESIGN	CLO
DRAWN	JWB
CHECK	CLO
APPR'D	CLO
JOB NO	13484

CF INDUSTRIES BLUE POINT, LLC
ASCENSION PARISH LOUISIANA

LOW CARBON AMMONIA PLANT
HEAVY HAUL DOCK
SECTION @ STA. 5753+33 (2 OF 6)

SHEET NO.

X1



SC-LE: 1"=40'

PRELIMINARY - FOR PERMITTING PURPOSES ONLY, NOT FOR CONSTRUCTION

NEW ORLEANS • BEAUMONT • CORPUS CHRISTI • HOUSTON • MANDEVILLE

					*		
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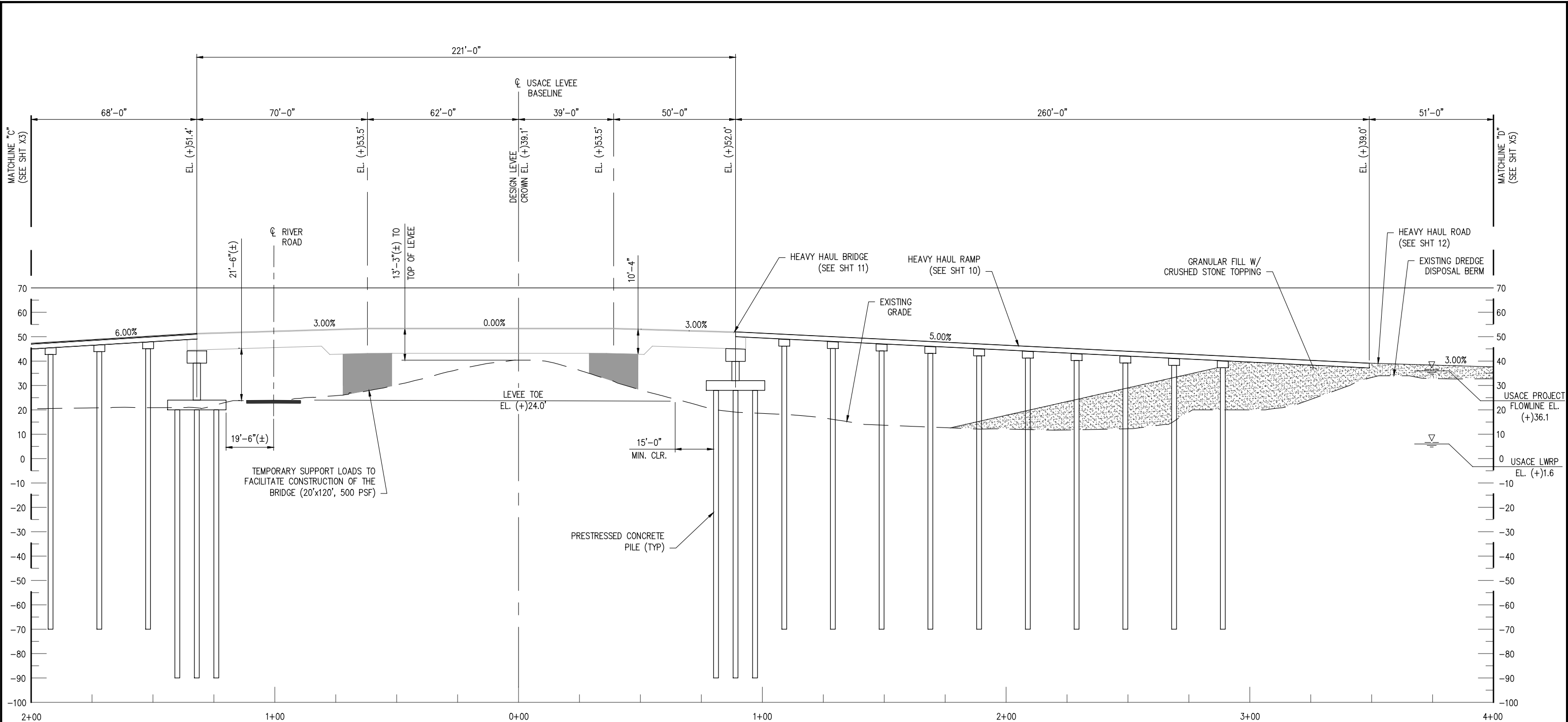
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SHT SIZE	11"x17"
DESIGN	CLO
DRAWN	JWB
CHECK	CLO
APPR'D	CLO
JOB NO	13484


LOW CARBON AMMONIA PLANT
HEAVY HAUL DOCK
SECTION @ STA. 5753+33 (3 OF 6)

X1

7/10/2025 1:54 PM

J:\13000S\13484 OF HEAVY HAUL DOCK\DRAWINGS\PERMIT\13484-PXS.DWG





**LANIER & ASSOCIATES
CONSULTING ENGINEERS, INC.**
LA: EF-1120 TX: F-2981
VF-185 LSF-10194817
NEW ORLEANS • BEAUMONT • CORPUS CHRISTI • HOUSTON • MANDEVILLE

REV	DATE	BY	DESCRIPTION	REV	DATE	BY	DESCRIPTION

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PURPOSES.

CHRIS L. O'BRIEN P.E.
LA PE #33945

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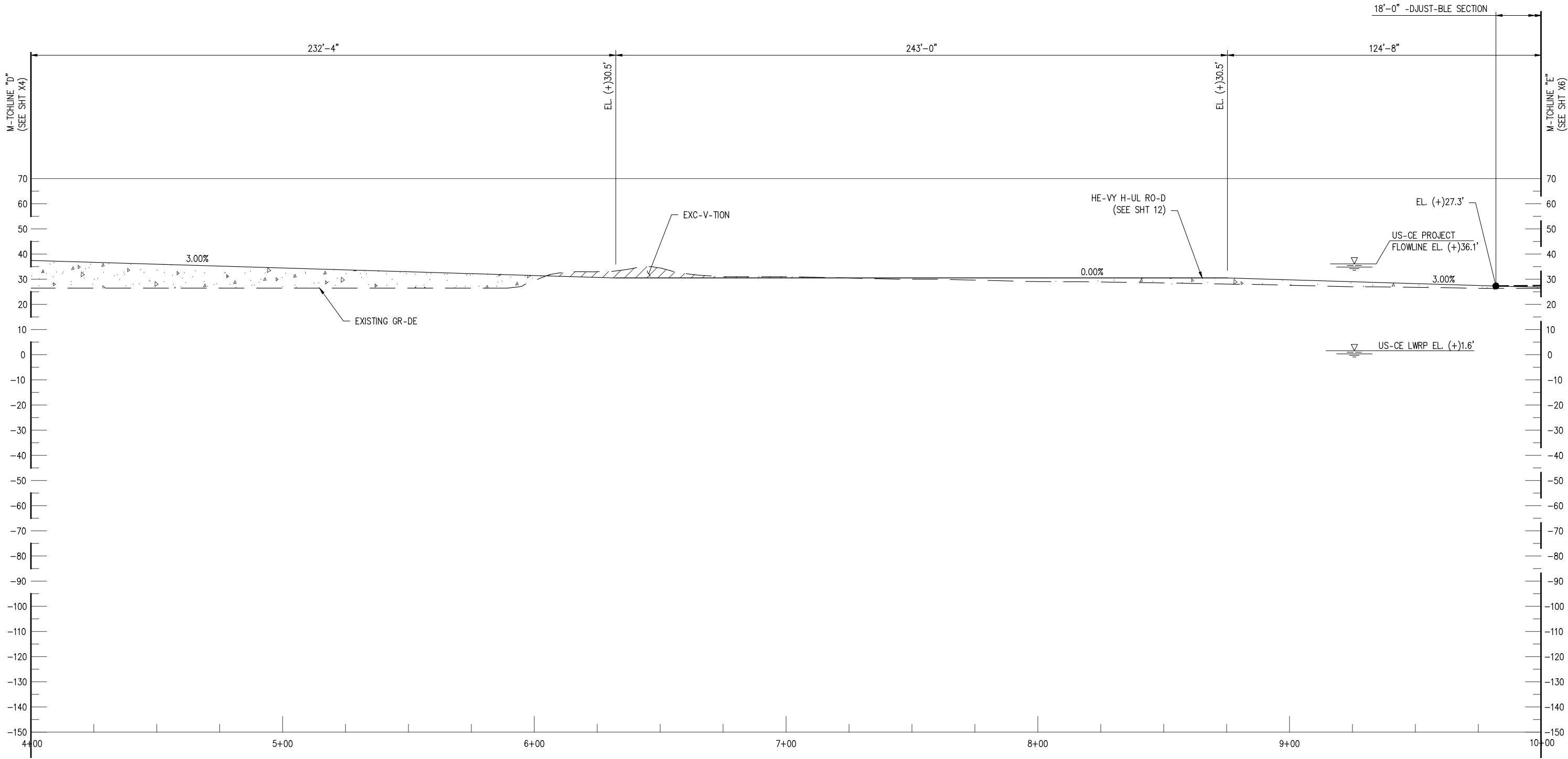
DATE JAN. '25
SHT SIZE 11"x17"
DESIGN CLO
DRAWN JWB
CHECK CLO
APPR'D CLO
JOB NO 13484

CF INDUSTRIES BLUE POINT, LLC
ASCENSION PARISH LOUISIANA

LOW CARBON AMMONIA PLANT
HEAVY HAUL DOCK
SECTION @ STA. 5753+33 (4 OF 6)

SHEET NO.

X1



SECTION @ STA. 5753+33

SC-LE: 1"=40'



**LANIER & ASSOCIATES
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REV	DATE	BY	DESCRIPTION			REV	DATE	BY	DESCRIPTION

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CHRIS L. O'BRIEN P.E. L- PE #33945	
DATE	JAN. '25
SHT SIZE	11"x17"
DESIGN	CLO
DRAWN	JWB
CHECK	CLO
APPR'D	CLO
JOB NO	13484

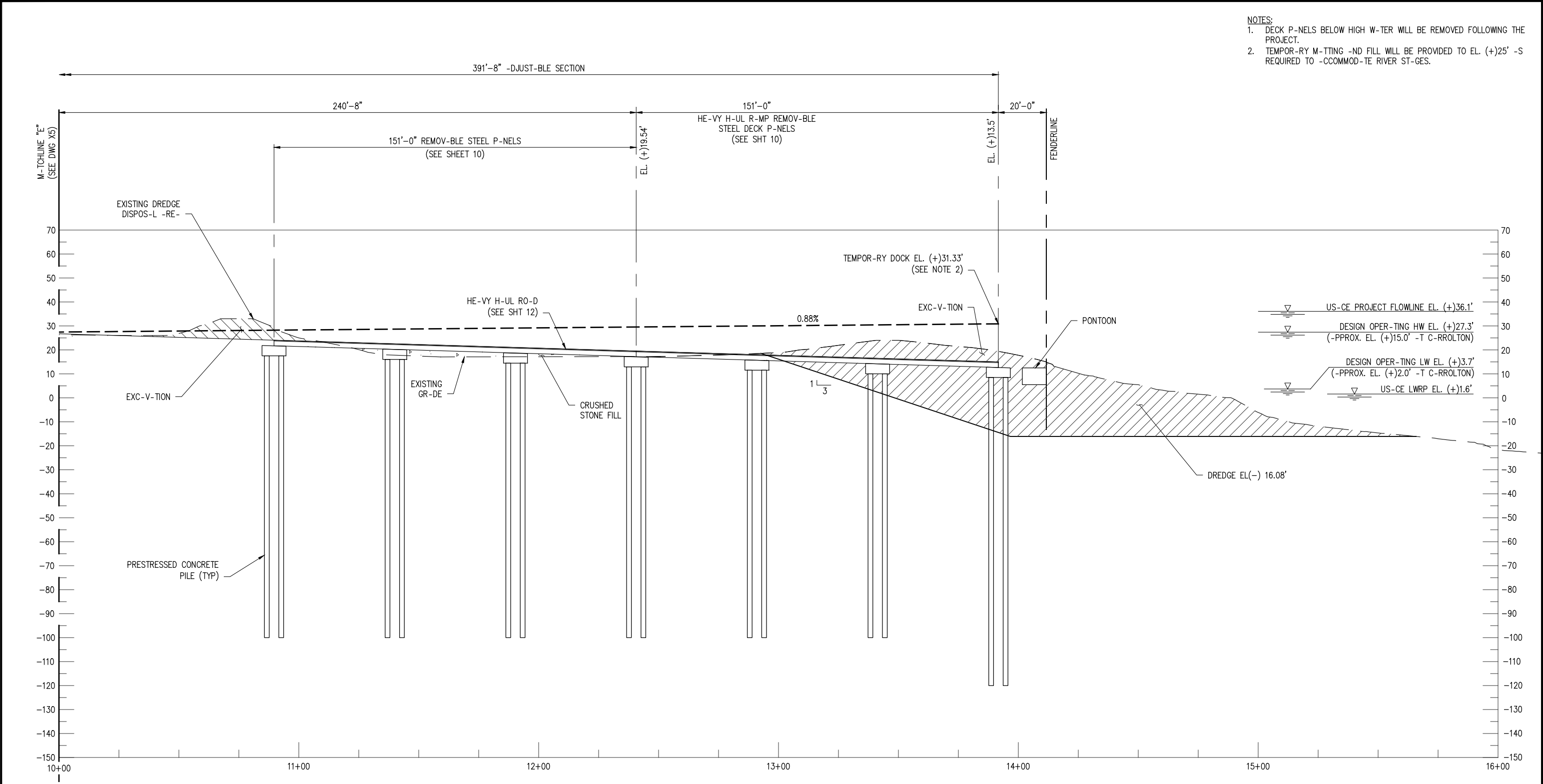
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CF INDUSTRIES BLUE POINT, LLC
ASCENSION PARISH
LOUISIANA

LOW CARBON AMMONIA PLANT
HEAVY HAUL DOCK
SECTION @ STA. 5753+33 (5 OF 6)

SHEET NO.

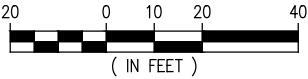
X1



- NOTES:
1. DECK P-NELS BELOW HIGH W-TER WILL BE REMOVED FOLLOWING THE PROJECT.
 2. TEMPOR-RY M-TTING -ND FILL WILL BE PROVIDED TO EL. (+)25' -S REQUIRED TO -CCOMMOD-TE RIVER ST-GES.

SECTION @ STA. 5753+33

SC-LE: 1"=40'



**LANIER & ASSOCIATES
CONSULTING ENGINEERS, INC.**

LA: EF-1120 TX: F-2981
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REV	DATE	BY	DESCRIPTION	REV	DATE	BY	DESCRIPTION

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CHRIS L. O'BRIEN P.E. L- PE #33945
DATE JAN. '25
SHT SIZE 11"x17"
DESIGN CLO
DRAWN JWB
CHECK CLO
APPR'D CLO
JOB NO 13484

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CF INDUSTRIES BLUE POINT, LLC ASCENSION PARISH LOUISIANA	SHEET NO. X1
LOW CARBON AMMONIA PLANT HEAVY HAUL DOCK SECTION @ STA. 5753+33 (6 OF 6)	