



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

December 25, 2023

Regulatory Division  
Eastern Evaluation Branch

Project Manager:  
Damon Morse  
(504) 862-2041  
Damon.Morse@usace.army.mil

Application #: MVN-2022-00623-EDM

## **PUBLIC NOTICE**

Interested parties are hereby notified that a permit application has been received by the New Orleans District of the U.S. Army Corps of Engineers pursuant to: [ X ] Section 10 of the Rivers and Harbors Act of March 3, 1899 (30 Stat. 1151; 33 USC 403); and/or [ X ] Section 404 of the Clean Water Act (86 Stat. 816; 33 USC 1344), and/or [ X ] Section 14 of the Rivers and Harbors Act of 1899 (33 U.S.C. Section 408)

### **Blue Ammonia Production Facility in Saint Charles Parish**

**NAME OF APPLICANT:** St. Charles Clean Fuels, LLC, attn.: Kris Knudsen, 11111 Katy Freeway, Houston, Texas 77079.

**LOCATION OF WORK:** Located to the north of the existing International-Matex Tank Terminals (IMTT) and connects to the Mississippi River around Mile Point 119 at 11842 River Road, Saint Rose, Saint Charles Parish, Louisiana, (lat. 29.959211, long. - 90.332609), as shown within the attached drawings. (Hydrologic Unit Code 08090203; Lower Mississippi – Lake Pontchartrain).

**CHARACTER OF WORK:** To construct and maintain a Blue Ammonia Facility that proposes to produce, store, and ship ammonia for commercial use. The proposed ammonia facility would include the construction of access roads, two processing areas, two detention ponds, four storage tanks, a drainage servitude, and various common facilities needed for operations. A temporary barge mooring area and an access road would be constructed that is proposed to extend from the shoreline of the Mississippi River to the proposed facility. Construction of the road would require filling the batture with material for the temporary grade/slope, a temporary bridge, permanent bridge, and excavation and filling of wetlands near the proposed facility for construction access. Transportation of ammonia would require expansion and modification of the existing pipe rack that would extend from the proposed new ammonia facility, over the levee,

and to existing docks on the Mississippi River. Modifications to the existing docks would include a pipe bridge, pipe rack, equipment platform, water intake platform, dock extensions, walkways, dock supports, and dolphins. The entire project is expected to permanently impact approximately **220 acres** of jurisdictional wetlands and waters of the United States.

**MITIGATION:** If a DA permit is issued for the proposed work, the applicant has agreed to purchase mitigation credits through an approved mitigation bank to offset the direct adverse impacts to jurisdictional wetlands.

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

### **Corps of Engineers Permit Criteria**

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

This request will also be reviewed pursuant to Section 408 and USACE Engineering Circular (EC) 1165-2-220, which provides policy and procedural guidance for processing requests to alter USACE civil works projects.

The decision whether to grant permission for the requested alteration will be based on several factors. The benefits that reasonably may be expected to accrue from the proposal will be balanced against its reasonably foreseeable detriments. Review of the requests for modification will be reviewed by a USACE technical review team considering the following factors:

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

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

The U.S. Army Corps of Engineers is soliciting comments from area residents, the public, federal, state, and local agencies and officials, Indian Tribes, and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the U.S. Army Corps of Engineers to determine whether to make, modify, condition, or deny a permit for this proposal. To make this decision, comments are used to assess impacts on communities with Environmental Justice concerns, endangered species, historic properties, water quality, general environmental effects, and other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity. Further, all factors that may be relevant to the proposal will be considered, including the potential cumulative effects associated with the proposed project. The Section 408 review will consider the potential impact to the usefulness of the Federal project and whether the proposed alteration would be injurious to the public interest. Policy and legal compliance will also be considered.

The possibility exists that the proposed work may damage or destroy presently unknown archeological, scientific, prehistorical, historical sites, or data. As deemed necessary, copies of this public notice will be sent to the State Archeologist, State Historic Preservation Officer, and federally listed tribes regarding potential impacts to cultural resources.

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

The New Orleans District has determined that the work is located in waters known to be utilized by the Pallid Sturgeon (*Scaphirhynchus albus*) and concluded the activity is not likely to adversely affect this species based on the Information Planning and Consultation (IPaC) tool for Endangered Species in Louisiana, as signed on January 27, 2020, between the U.S. Army Corps of Engineers, New Orleans and the U.S. Fish and Wildlife Service.

This notice initiates the Essential Fish Habitat (EFH) consultation requirements of the Magnuson-Stevens Fishery Conservation and Management Act. The applicant's proposal may result in the destruction, alteration, and/or disturbance of **N/A** acres of EFH utilized by various life stages of red drum and penaeid shrimp. Our initial determination is that the proposed action would not have a substantial adverse impact on EFH or federally managed fisheries in the Gulf of Mexico. Our final determination relative to project impacts and the need for mitigation measures is subject to review by and coordination with the National Marine Fisheries Service.

If the proposed work involves deposits of dredged or fill material into navigable waters, the evaluation of the probable impacts will include the application of guidelines established by the Administrator of the Environmental Protection Agency. Also, a certification that the proposed activity will not violate applicable water quality standards will be required from the LA Department of Environmental Quality before a Department of the Army permit is issued.

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

The applicant has certified that the proposed activity described in the application complies with and will be conducted in a manner that is consistent with the Louisiana Coastal Resources Program (Louisiana Coastal Zone Application P20230672). The Department of the Army permit will not be issued unless the applicant received approval or a waiver of the Coastal Use Permit by the Department of Natural Resources.

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

Brad P. LaBorde  
Chief, Eastern Evaluation Branch  
Regulatory Division

Enclosures



**GENERAL NOTES:**

1. PRIOR TO COMMENCEMENT OF WORK, THE CONTRACTOR SHALL ENSURE ALL APPLICABLE PERMITS ARE SECURED & THE LOUISIANA ONE CALL SYSTEM HAS BEEN CONTACTED.
2. ALL ELEVATIONS REFER TO NAVD 88 UNLESS NOTED OTHERWISE.
3. THE USACE FEATURES REPRESENTED ARE BASED ON THE APPROVED JURISDICTIONAL DETERMINATION ISSUED WITH THE USACE, DATED MONTH DAY YEAR.
4. MULTIPLE DESIGNERS ARE RESPONSIBLE FOR THIS WORK, AS FOLLOWS:
  - PROPOSED IMPROVEMENTS FOR SHIP DOCK DESIGNED. SEE PLANS PREPARED BY LANIER & ASSOCIATES FOR DETAILS.
  - PROPOSED IMPROVEMENTS FOR THE TEMPORARY HEAVY HAUL DOCK DESIGNED. SEE PLANS PREPARED BY MAMMOET FOR DETAILS.

ST. CHARLES PARISH  
 LATITUDE: 29° 57' 26" N  
 LONGITUDE: 90° 20' 01" W

**VICINITY MAP,  
 AREA MAP &  
 GENERAL NOTES**

SCALE IN FEET



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| PREPARER:   | KMB        |
| REVIEWER:   | SMT        |
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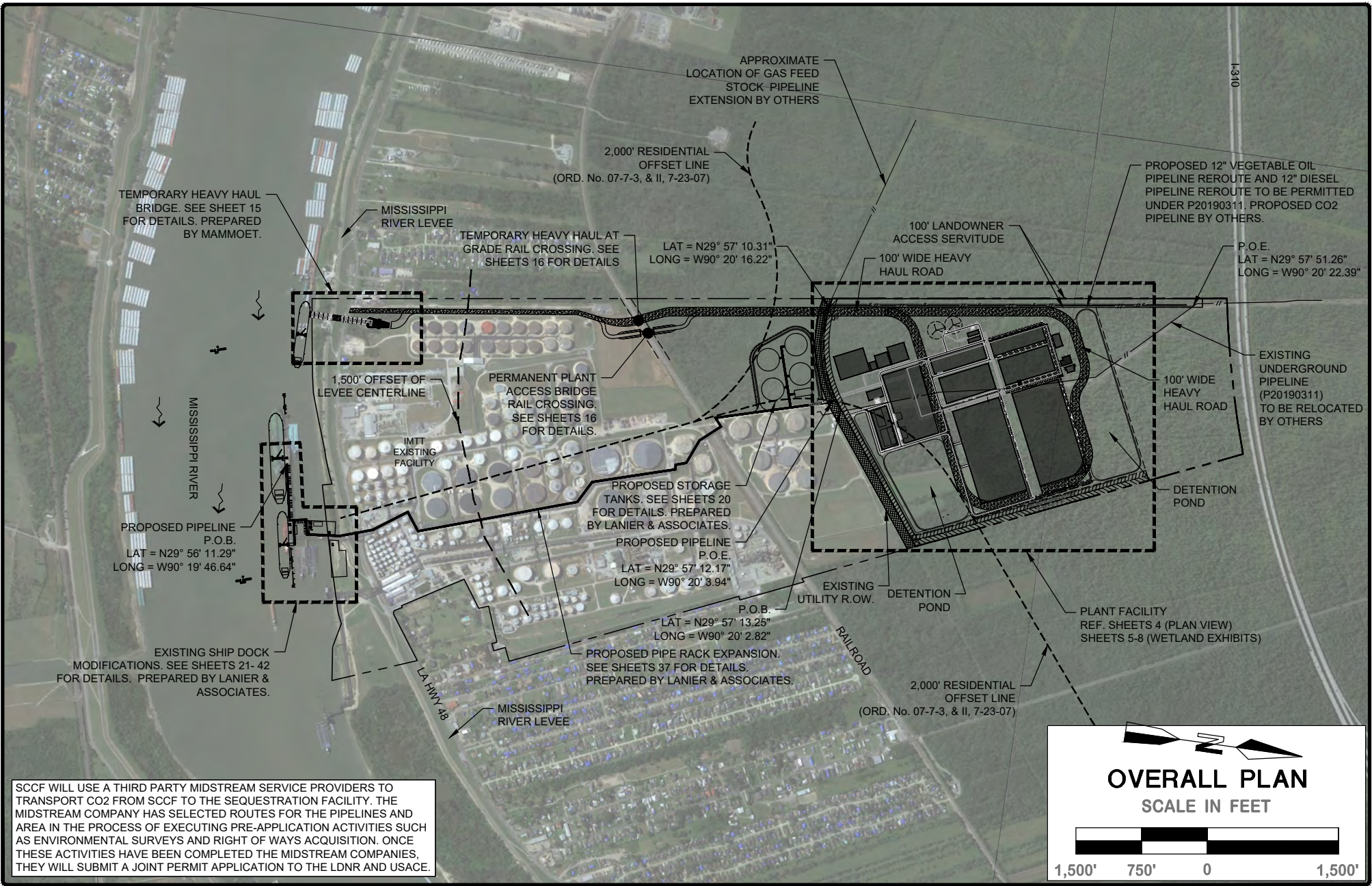
Scott M. Tabary  
 LA PE #40541  
 Duplantis Design Group, P.C.

**ST. CHARLES CLEAN FUEL**  
 ST. ROSE, LOUISIANA  
 ST. CHARLES PARISH

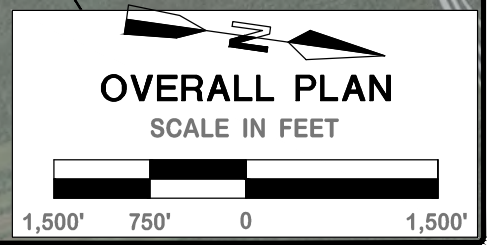
SHEET NUMBER: **A-1 OF A-42**

**FACILITY SITE  
 PERMIT DRAWING**







SCCF WILL USE A THIRD PARTY MIDSTREAM SERVICE PROVIDERS TO TRANSPORT CO2 FROM SCCF TO THE SEQUESTRATION FACILITY. THE MIDSTREAM COMPANY HAS SELECTED ROUTES FOR THE PIPELINES AND AREA IN THE PROCESS OF EXECUTING PRE-APPLICATION ACTIVITIES SUCH AS ENVIRONMENTAL SURVEYS AND RIGHT OF WAYS ACQUISITION. ONCE THESE ACTIVITIES HAVE BEEN COMPLETED THE MIDSTREAM COMPANIES, THEY WILL SUBMIT A JOINT PERMIT APPLICATION TO THE LDNR AND USACE.



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ST. CHARLES PARISH

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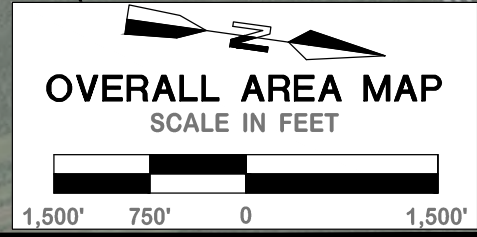
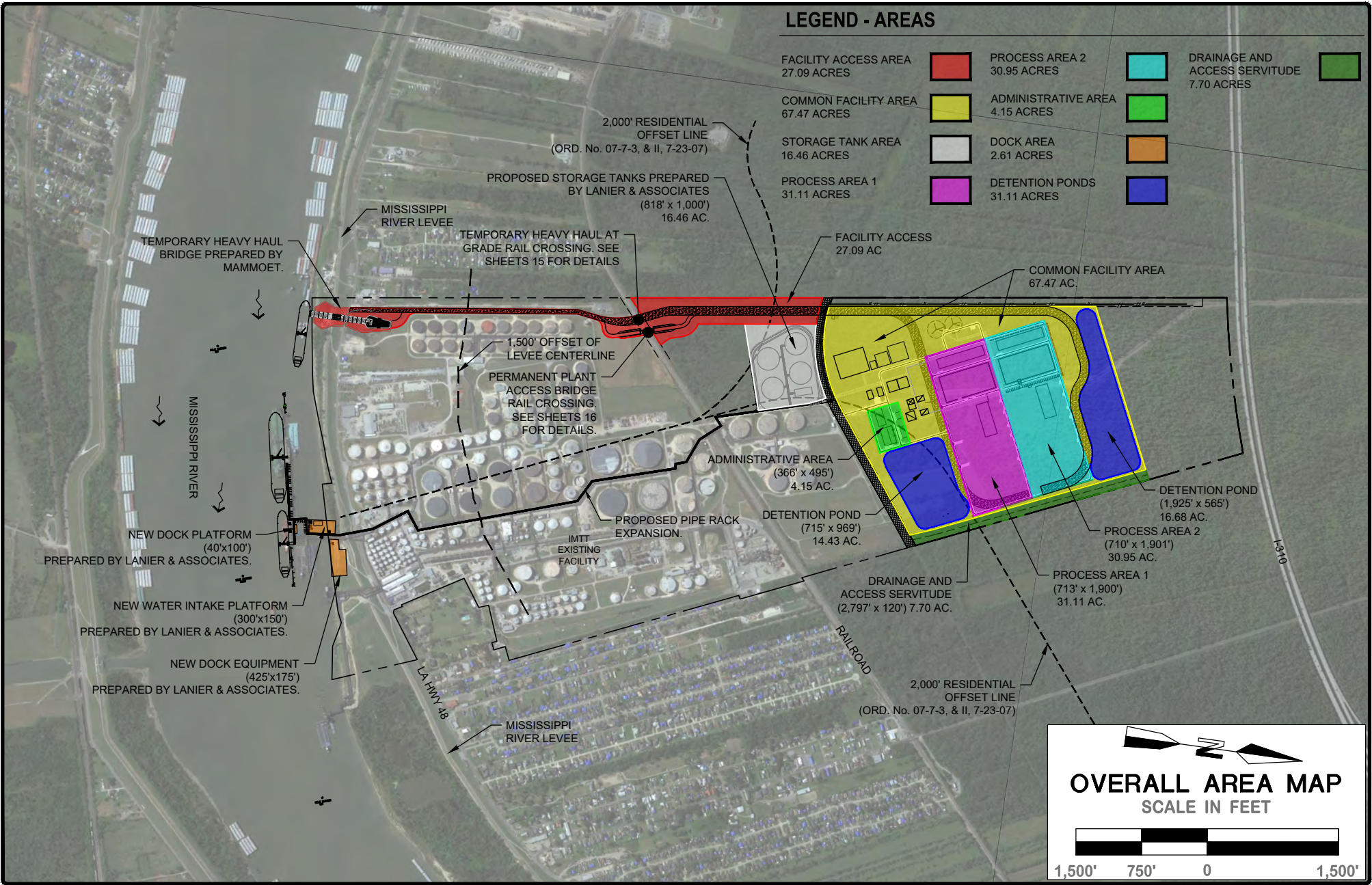
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FACILITY SITE  
PERMIT DRAWING

### LEGEND - AREAS

|                                     |  |                                   |  |   |  |
|-------------------------------------|--|-----------------------------------|--|---|--|
| FACILITY ACCESS AREA<br>27.09 ACRES |  | PROCESS AREA 2<br>30.95 ACRES     |  | DRAINAGE AND ACCESS SERVITUDE<br>7.70 ACRES |  |
| COMMON FACILITY AREA<br>67.47 ACRES |  | ADMINISTRATIVE AREA<br>4.15 ACRES |  |   |  |
| STORAGE TANK AREA<br>16.46 ACRES    |  | DOCK AREA<br>2.61 ACRES           |  |   |  |
| PROCESS AREA 1<br>31.11 ACRES       |  | DETENTION PONDS<br>31.11 ACRES    |  |   |  |



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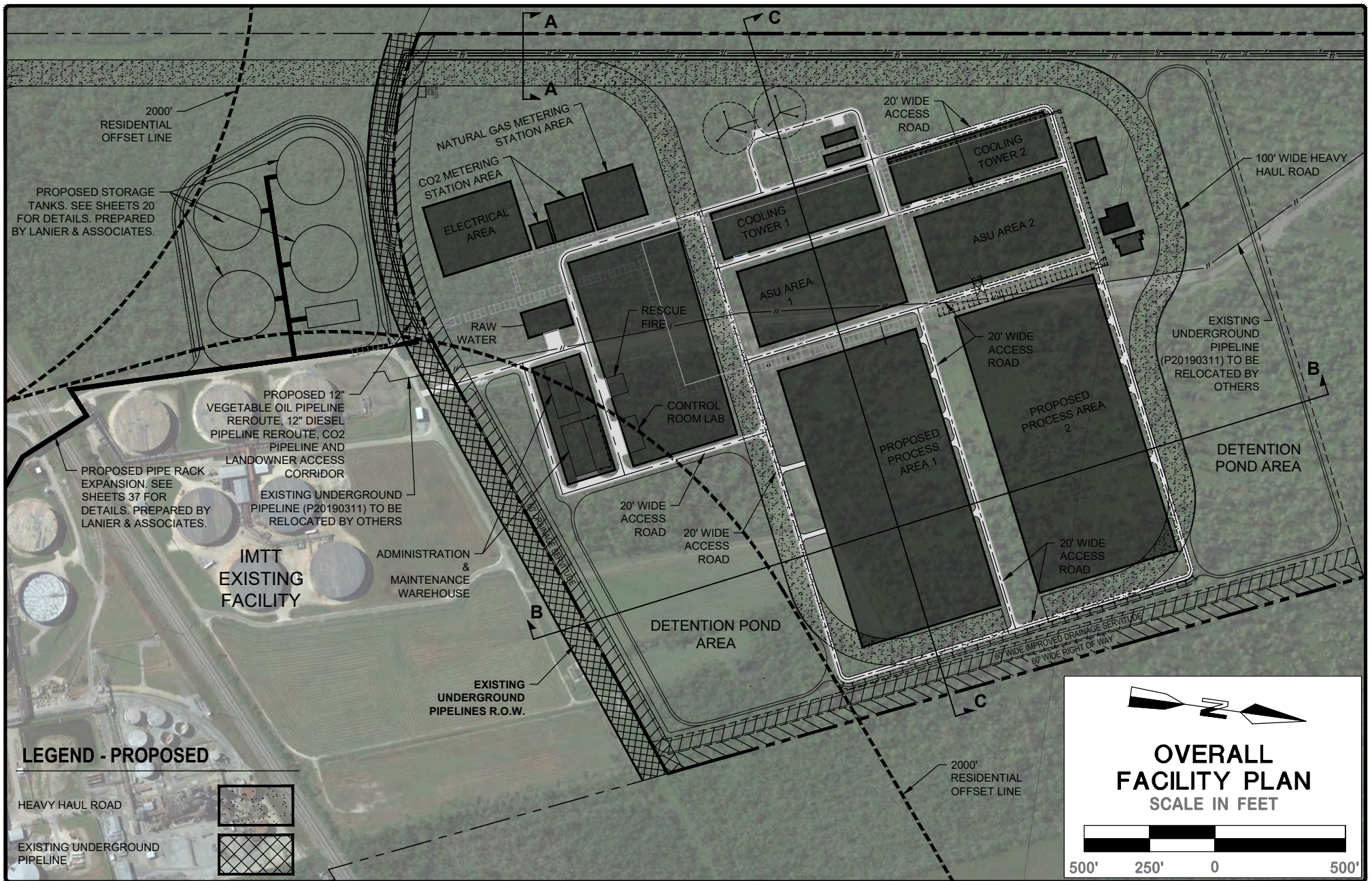
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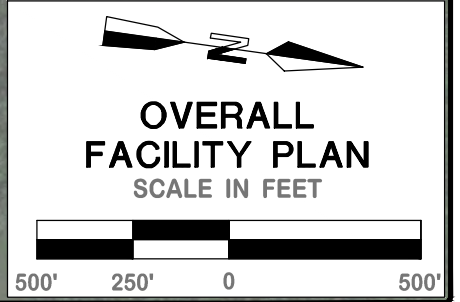
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**LEGEND - PROPOSED**



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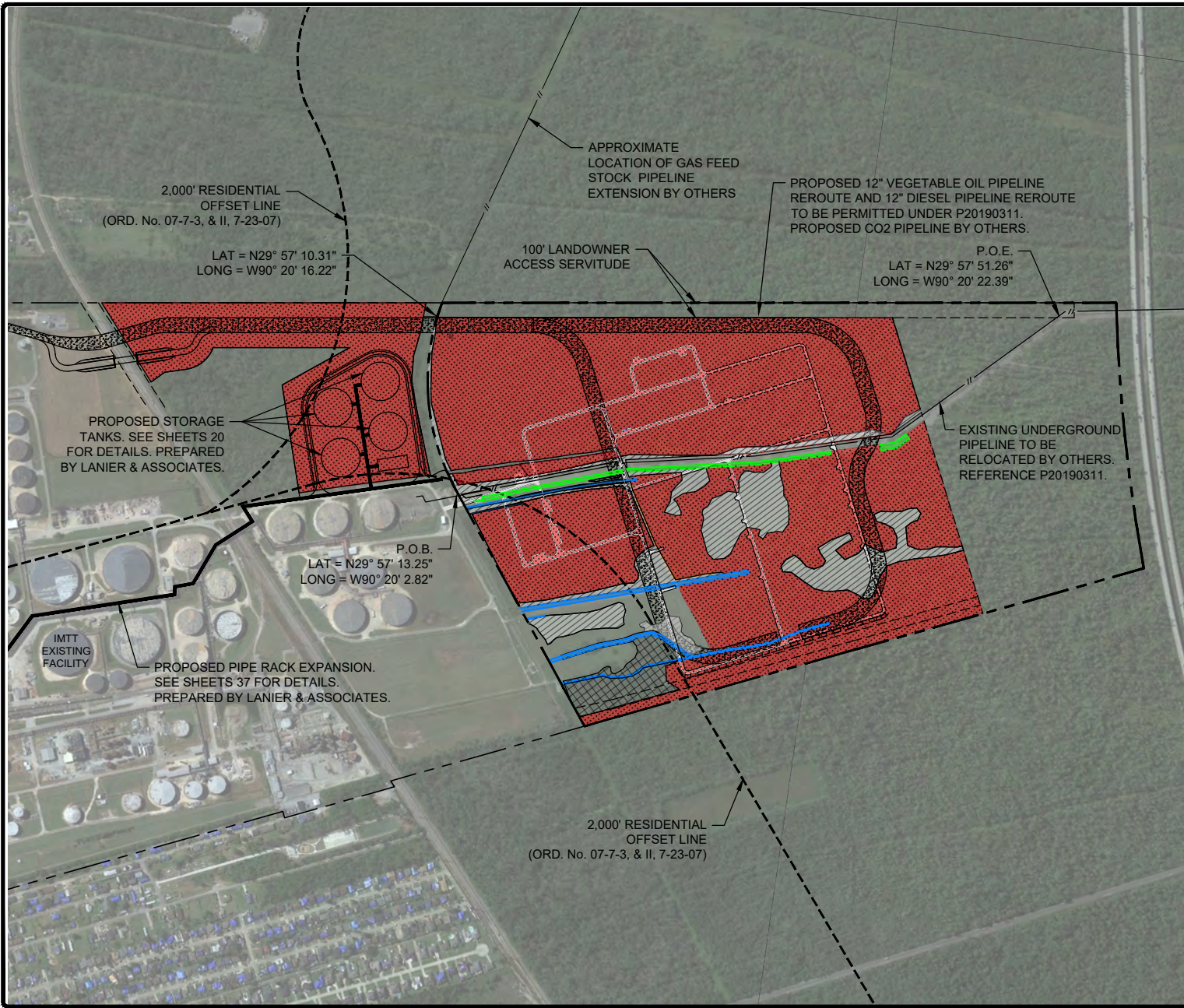
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**SHEET NUMBER:** A-4 OF A-42

FACILITY SITE  
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**LEGEND - WETLANDS**

- CYPRESS FORESTED WETLANDS (IMPACTED) 164.74 ACRES
- FRESHWATER FORESTED / SHRUB WETLANDS (IMPACTED) 4.33 ACRES
- WETLANDS PEM (IMPACTED) 19.67 ACRES
- PALUSTRINE FORESTED WETLANDS (IMPACTED) 4.74 ACRES
- IMTT RESTORATION AREA (IMPACTED) 1.25 ACRES
- OTHER WATERS 2.15 ACRES



**OVERALL WETLAND IMPACT PLAN**  
SCALE IN FEET



|                    |                   |
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| <b>PREPARER:</b>   | <b>KMB</b>        |
| <b>REVIEWER:</b>   | <b>SMT</b>        |
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Duplantis Design Group, P.C.

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ST. CHARLES PARISH

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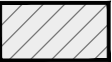



**SHEET NUMBER: A-5 OF A-42**

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FACILITY SITE  
PERMIT DRAWING



### LEGEND - WETLANDS

- CYPRESS FORESTED WETLANDS (IMPACTED)  
164.74 ACRES 
- FRESHWATER FORESTED / SHRUB WETLANDS (IMPACTED)  
4.33 ACRES 
- WETLANDS PEM (IMPACTED)  
19.67 ACRES 
- PALUSTRINE FORESTED WETLANDS (IMPACTED)  
4.74 ACRES 
- IMTT RESTORATION AREA (IMPACTED)  
1.25 ACRES 
- OTHER WATERS  
2.15 ACRES 



## WETLAND IMPACT PLAN

SCALE IN FEET



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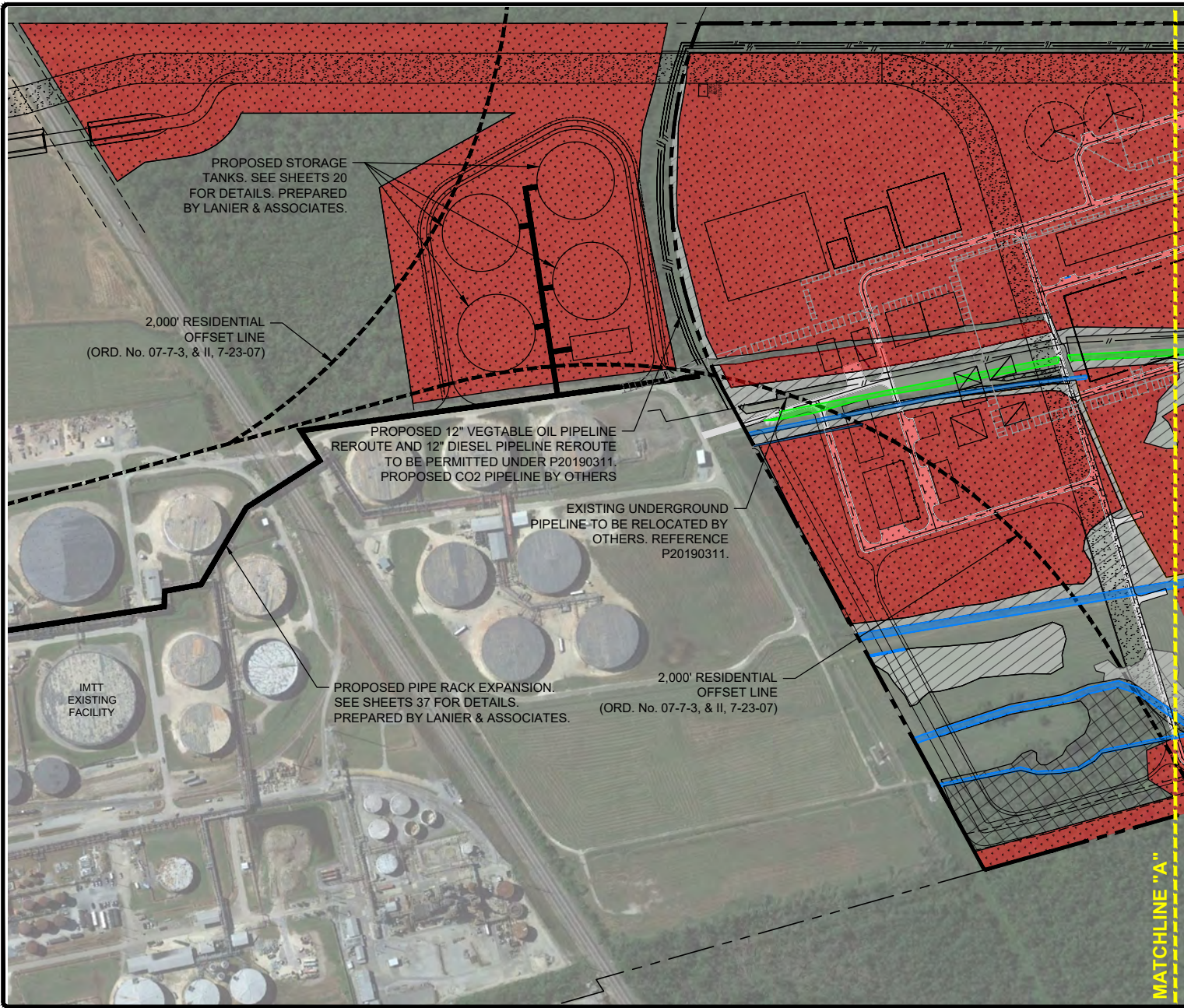
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**FACILITY SITE  
PERMIT DRAWING**





**LEGEND - WETLANDS**

- CYPRESS FORESTED WETLANDS (IMPACTED)  
164.74 ACRES
- FRESHWATER FORESTED / SHRUB WETLANDS (IMPACTED)  
4.33 ACRES
- WETLANDS PEM (IMPACTED)  
19.67 ACRES
- PALUSTRINE FORESTED WETLANDS (IMPACTED)  
4.74 ACRES
- IMTT RESTORATION AREA (IMPACTED)  
1.25 ACRES
- OTHER WATERS  
2.15 ACRES



**WETLAND  
IMPACT PLAN**

SCALE IN FEET



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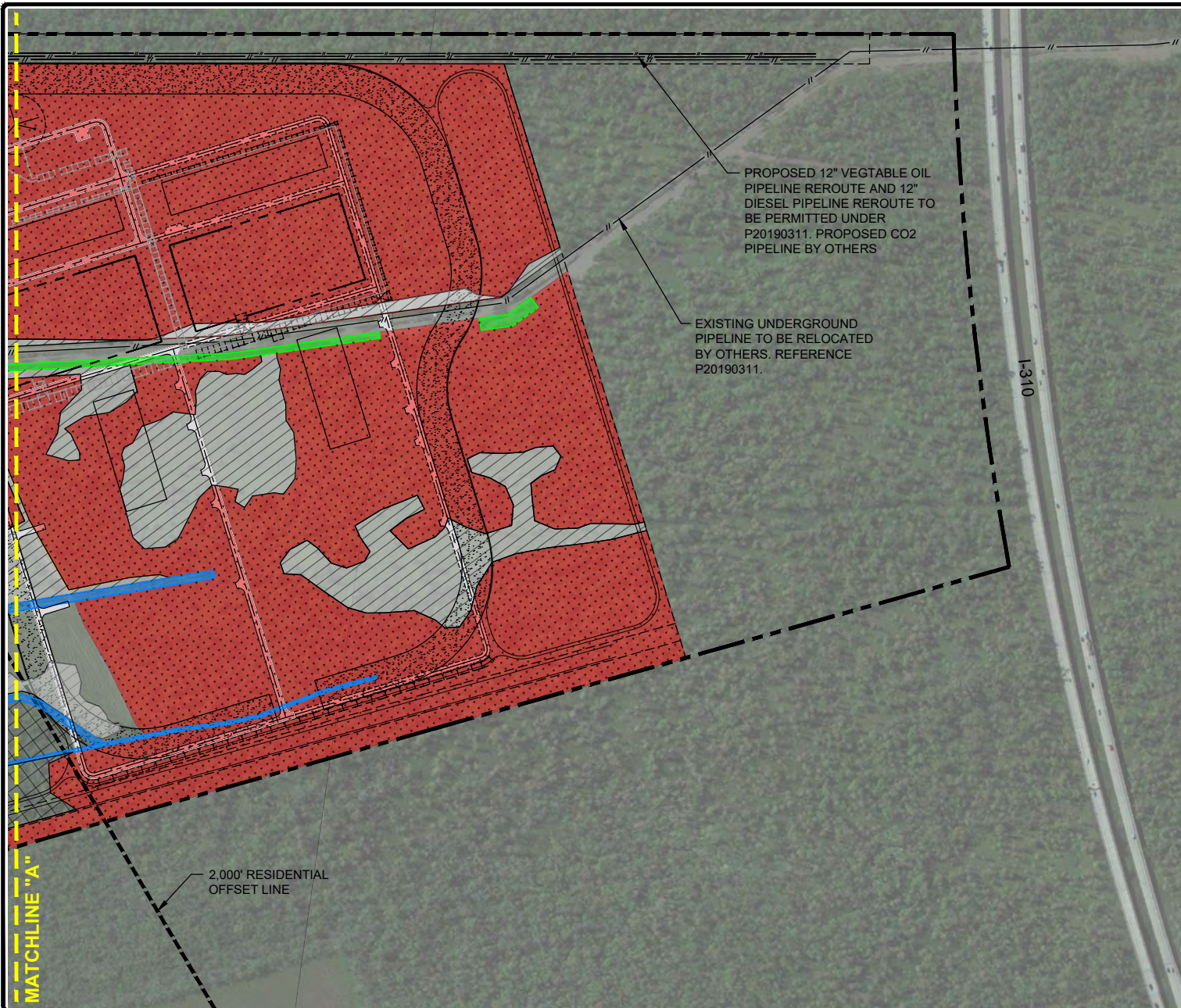
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SHEET NUMBER: A-7 OF A-42

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FACILITY SITE  
PERMIT DRAWING



### LEGEND - WETLANDS

- CYPRESS FORESTED WETLANDS (IMPACTED)  
 164.74 ACRES
- FRESHWATER FORESTED / SHRUB WETLANDS (IMPACTED)  
 4.33 ACRES
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 1.25 ACRES
- OTHER WATERS  
 2.15 ACRES



## WETLAND IMPACT PLAN

SCALE IN FEET



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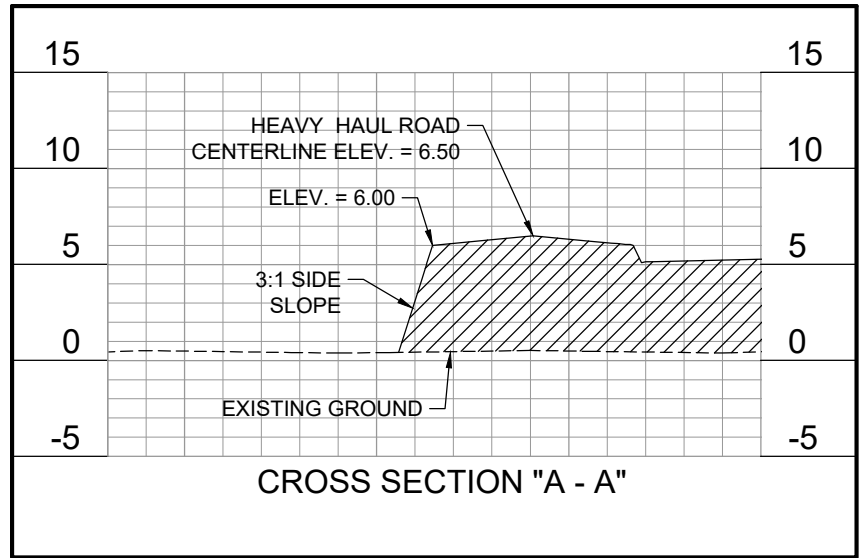
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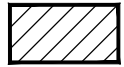
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PERMIT DRAWING



**LEGEND**

AREA TO BE FILL WITH APPROVED MATERIAL



AREA TO BE EXCAVATED AND MATERIAL TO BE HAULED OFF



**HEAVY HAUL ROAD  
CROSS SECTION**

**HORIZONTAL  
SCALE IN FEET**



**VERTICAL  
SCALE IN FEET**



|             |            |
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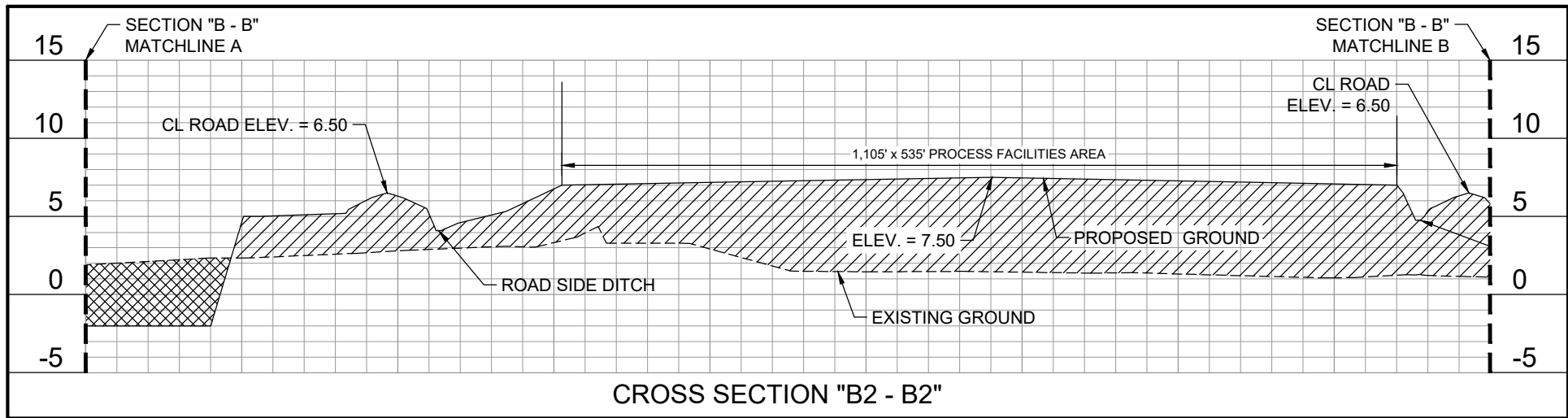
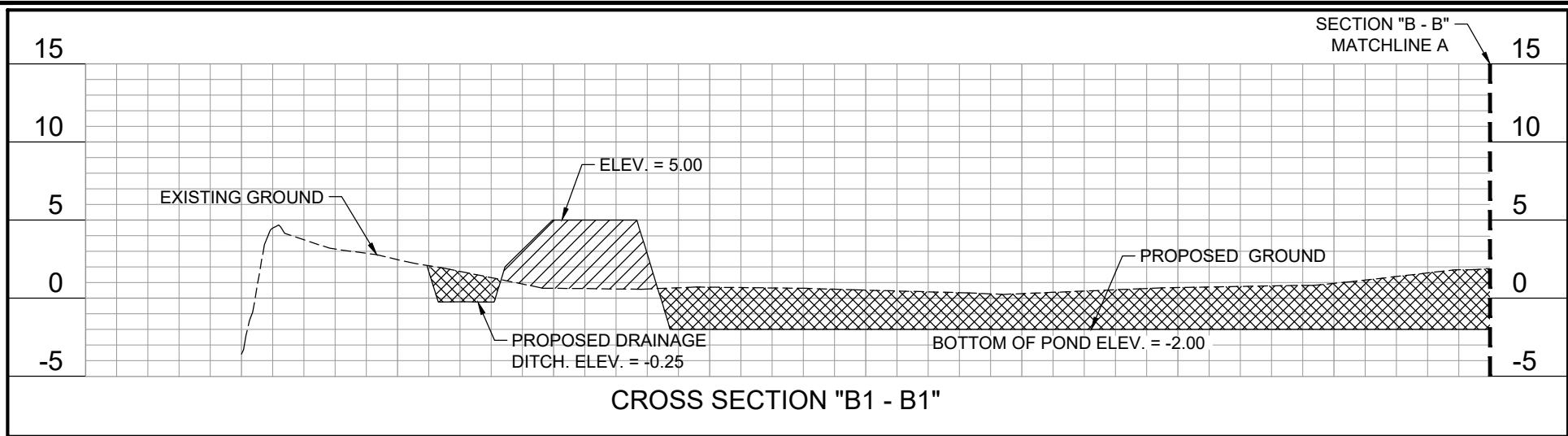
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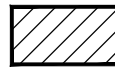
**FACILITY SITE  
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**LEGEND**

AREA TO BE FILL WITH APPROVED MATERIAL



AREA TO BE EXCAVATED AND MATERIAL TO BE HAULED OFF



**HORIZONTAL SCALE IN FEET**



**VERTICAL SCALE IN FEET**



**FACILITY CROSS SECTION "B - B"**

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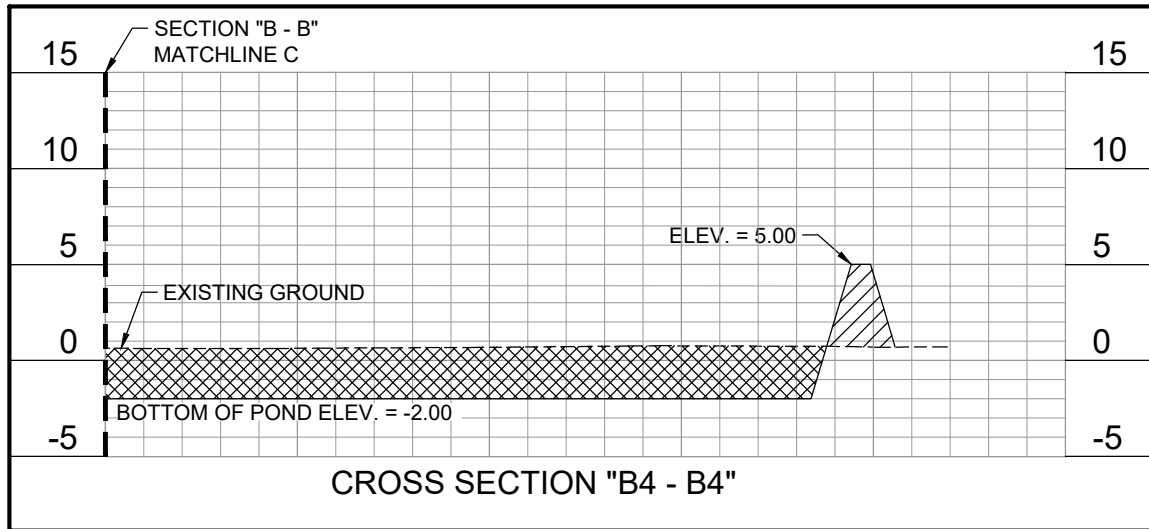
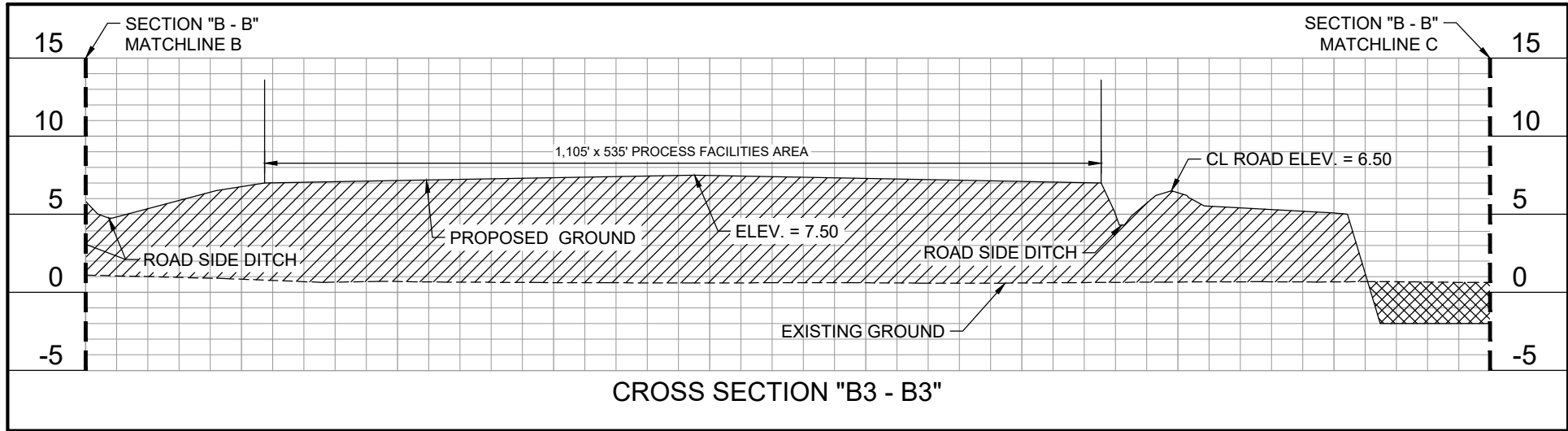
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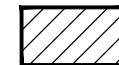
**FACILITY SITE PERMIT DRAWING**





**LEGEND**

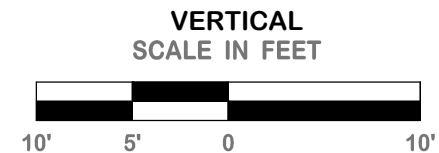
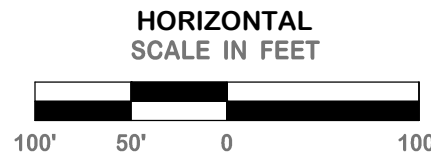
AREA TO BE FILL WITH APPROVED MATERIAL



AREA TO BE EXCAVATED AND MATERIAL TO BE HAULED OFF



**FACILITY  
CROSS SECTION "B - B"**



|             |            |
|-------------|------------|
| PREPARER:   | KMB        |
| REVIEWER:   | SMT        |
| ISSUE DATE: | 08-14-2023 |

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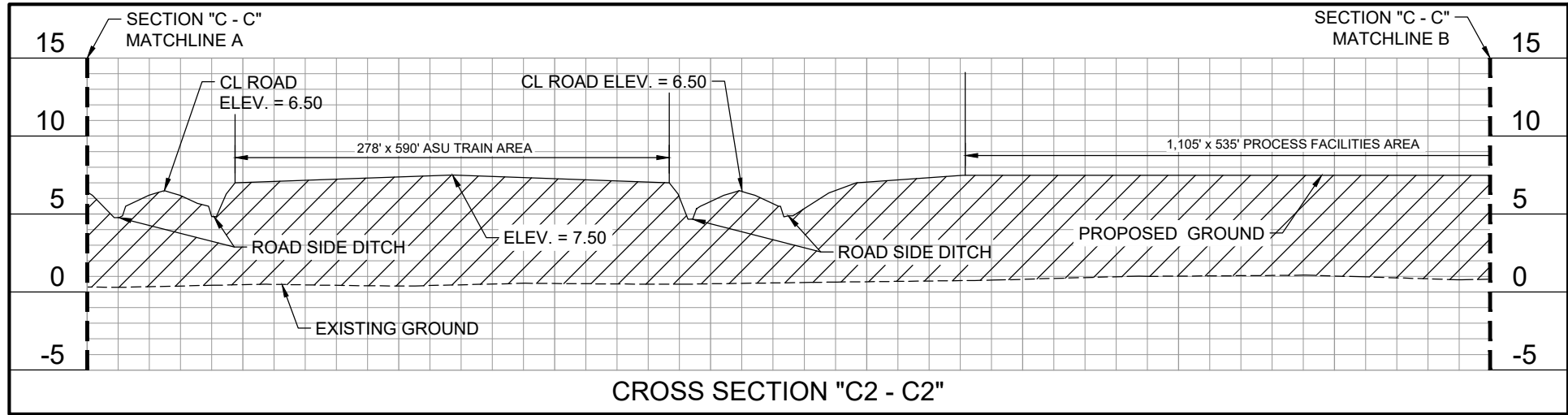
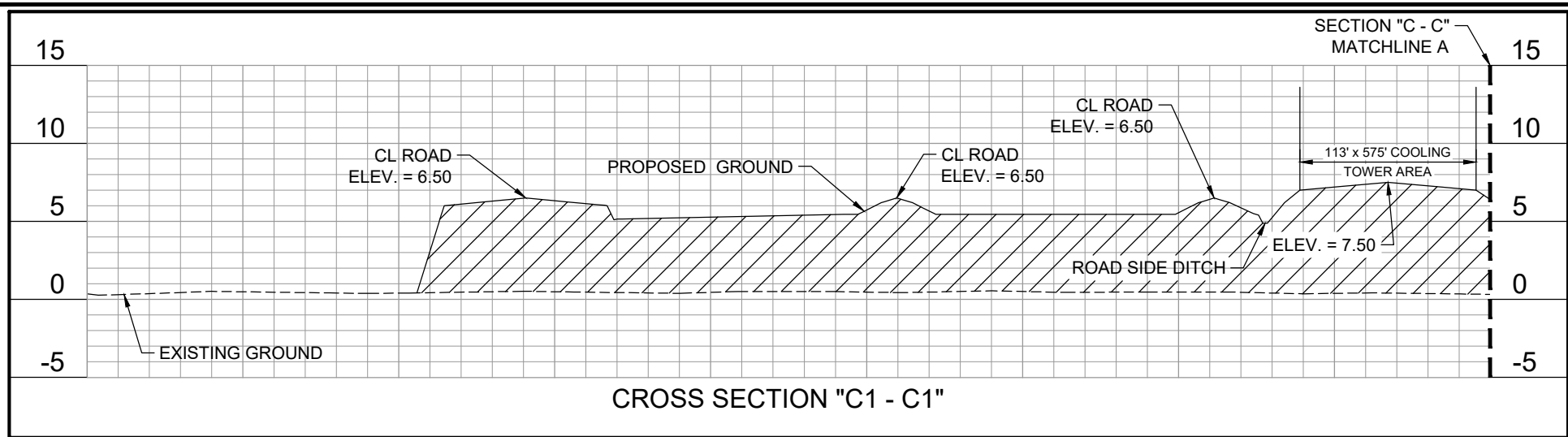
**ST. CHARLES CLEAN FUEL**  
ST. ROSE, LOUISIANA  
ST. CHARLES PARISH

SHEET NUMBER: A-11 OF A-42

**FACILITY SITE  
PERMIT DRAWING**

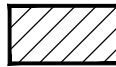






**LEGEND**

AREA TO BE FILL WITH APPROVED MATERIAL



AREA TO BE EXCAVATED AND MATERIAL TO BE HAULED OFF



**HORIZONTAL SCALE IN FEET**



**VERTICAL SCALE IN FEET**



**FACILITY CROSS SECTION "C - C"**

|             |            |
|-------------|------------|
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| ISSUE DATE: | 08-14-2023 |

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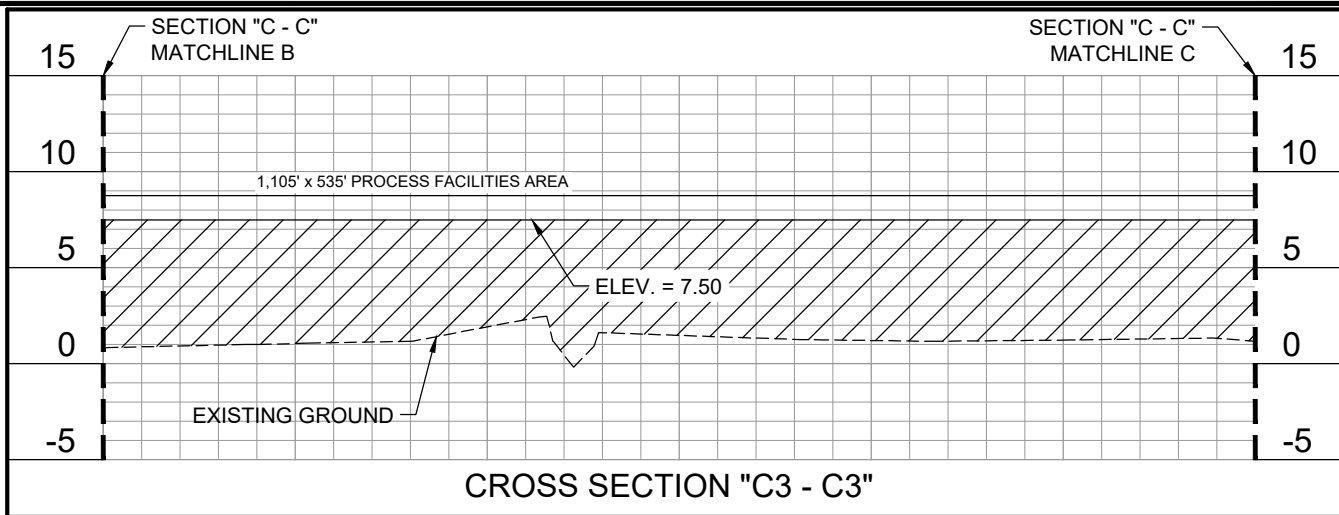
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ST. ROSE, LOUISIANA  
ST. CHARLES PARISH

SHEET NUMBER: A-12 OF A-42

**FACILITY SITE PERMIT DRAWING**



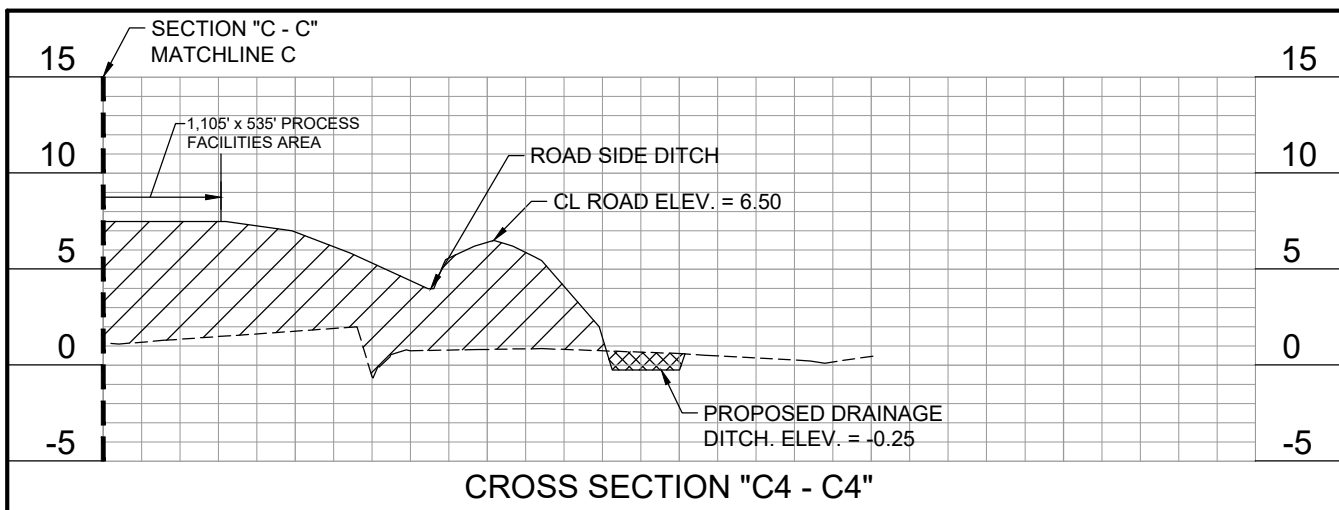


**LEGEND**

AREA TO BE FILL WITH APPROVED MATERIAL



AREA TO BE EXCAVATED AND MATERIAL TO BE HAULED OFF



**FACILITY  
CROSS SECTION "C - C"**

**HORIZONTAL  
SCALE IN FEET**



**VERTICAL  
SCALE IN FEET**



|             |            |
|-------------|------------|
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| REVIEWER:   | SMT        |
| ISSUE DATE: | 08-14-2023 |

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**ST. CHARLES CLEAN FUEL**  
ST. ROSE, LOUISIANA  
ST. CHARLES PARISH

SHEET NUMBER: **A-13 OF A-42**

**FACILITY SITE  
PERMIT DRAWING**



SHEET REMOVED FROM SET

PREPARER: KMB  
REVIEWER: SMT  
ISSUE DATE: 08-14-2023



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| REISSUE FOR PERMIT<br>12-11-23 | KMB |          |    |
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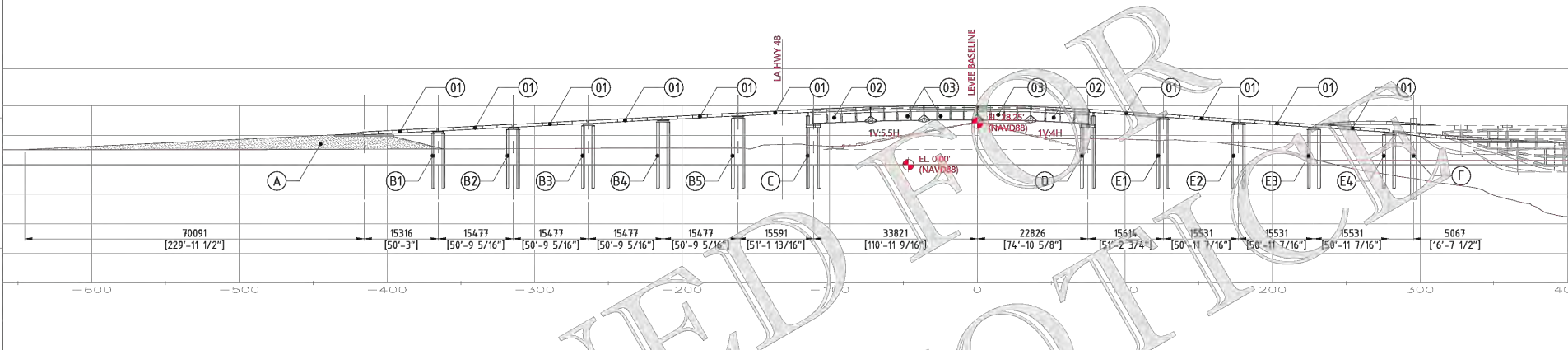
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ST. ROSE, LOUISIANA  
ST. CHARLES PARISH

SHEET NUMBER: A-14 OF A-42

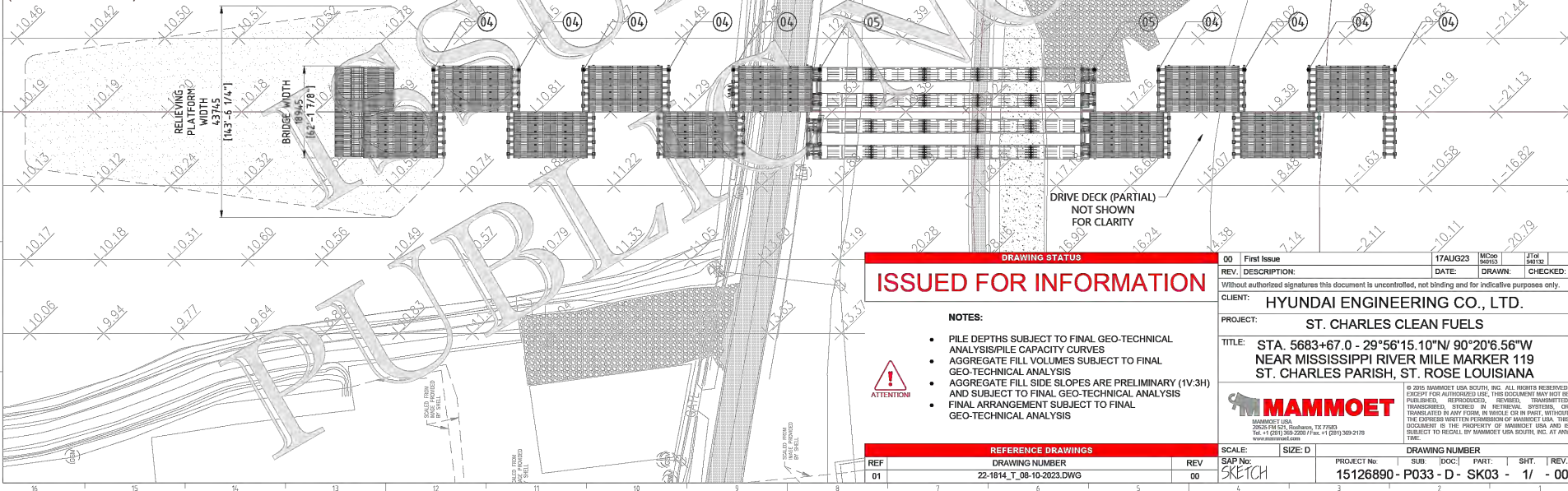
FACILITY SITE  
PERMIT DRAWING

LEVEE STA. 5683+67.0  
ELEVATION VIEW  
(GENERAL ARRANGEMENT)

| GENERAL NOTES |   |
|---------------|---|
| 1             | THIS DRAWING IS PRELIMINARY AND IS RELEASED FOR INFORMATION ONLY. |
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LEVEE STA. 5683+67.0  
PLAN VIEW  
(GENERAL ARRANGEMENT)



**DRAWING STATUS**  
**ISSUED FOR INFORMATION**

- NOTES:**
- PILE DEPTHS SUBJECT TO FINAL GEO-TECHNICAL ANALYSIS/PILE CAPACITY CURVES
  - AGGREGATE FILL VOLUMES SUBJECT TO FINAL GEO-TECHNICAL ANALYSIS
  - AGGREGATE FILL SIDE SLOPES ARE PRELIMINARY (1V:3H) AND SUBJECT TO FINAL GEO-TECHNICAL ANALYSIS
  - FINAL ARRANGEMENT SUBJECT TO FINAL GEO-TECHNICAL ANALYSIS

| REFERENCE DRAWINGS |                          |
|--------------------|--------------------------|
| REF                | DRAWING NUMBER           |
| 01                 | 22-1814_T_08-10-2023.DWG |

|   |                              |  |          |           |
|---|------------------------------|--|----------|-----------|
| 00  | First Issue                  | 17AUG23  | MISC     | JTJ       |
| REV / DESCRIPTION:  | DATE:                        | DRAWN:   | CHECKED: |           |
| Without authorized signatures this document is uncontrolled, not binding and for indicative purposes only.                              |                              |  |          |           |
| CLIENT: HYUNDAI ENGINEERING CO., LTD.   |                              |  |          |           |
| PROJECT: ST. CHARLES CLEAN FUELS  |                              |  |          |           |
| TITLE: STA. 5683+67.0 - 29°56'15.10"N/ 90°20'6.56"W<br>NEAR MISSISSIPPI RIVER MILE MARKER 119<br>ST. CHARLES PARISH, ST. ROSE LOUISIANA |                              |  |          |           |
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| <b>REVIEWER:</b>   | SMT        |
| <b>ISSUE DATE:</b> | 08-14-2023 |

BROAD VISION. EXPERT FOCUS

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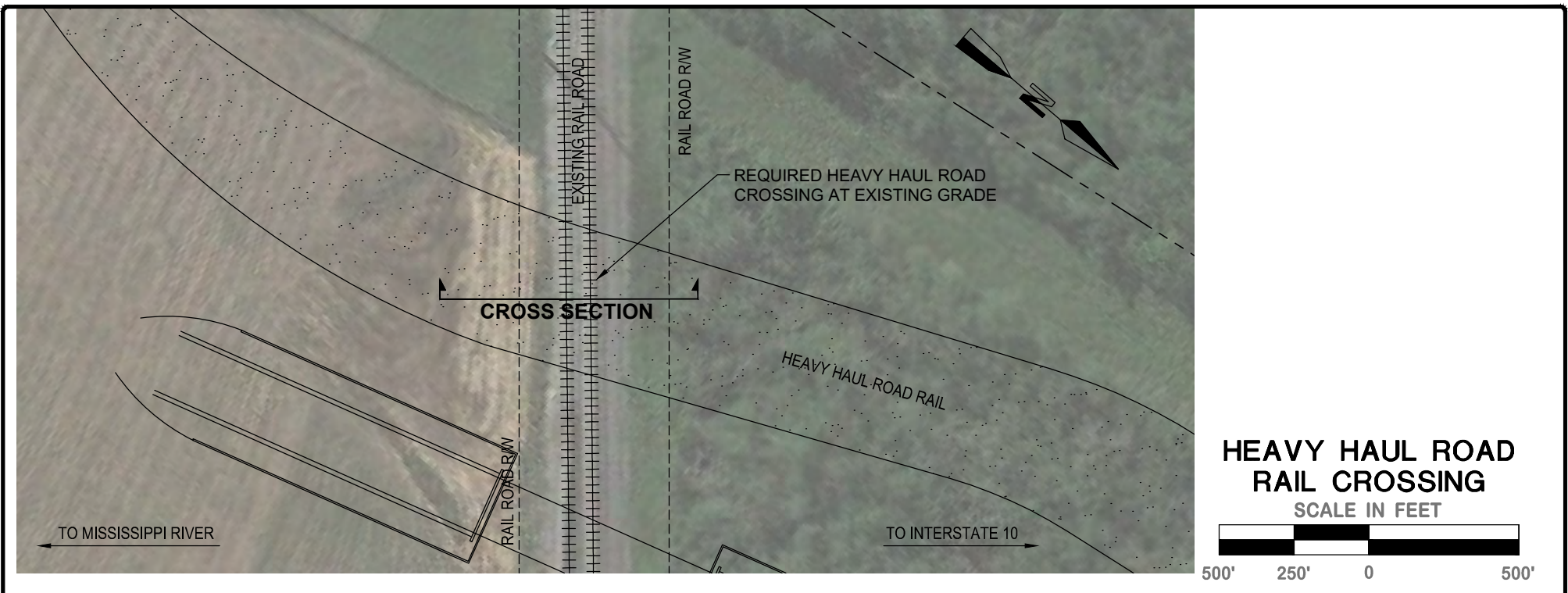
ST. CHARLES CLEAN FUEL  
ST. ROSE, LOUISIANA  
ST. CHARLES PARISH

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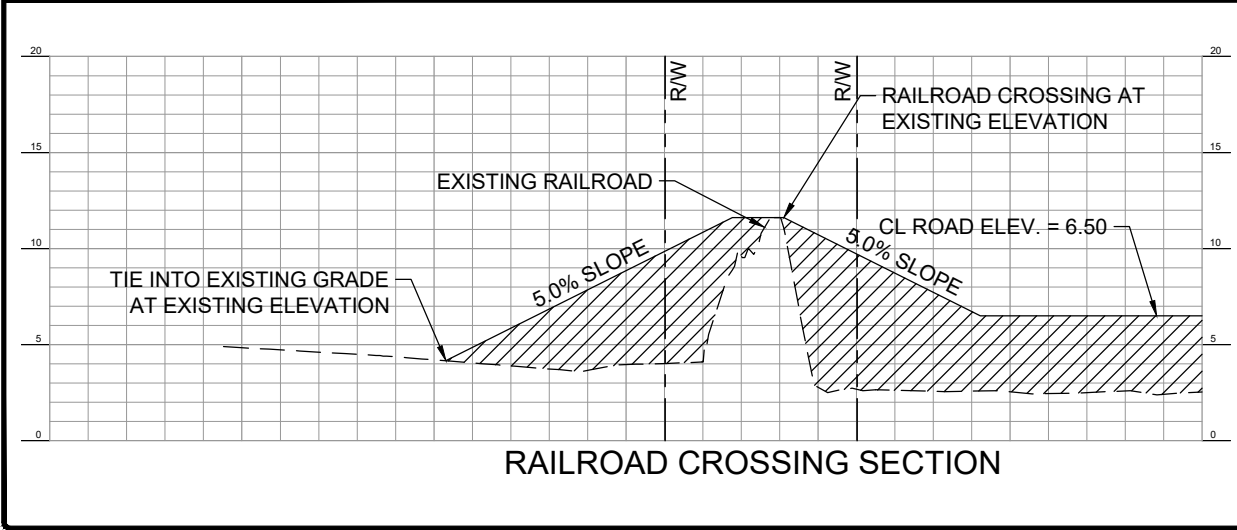
SHEET NUMBER: A-15 OF A-42

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FACILITY SITE  
PERMIT DRAWING



**HEAVY HAUL ROAD  
RAIL CROSSING**  
SCALE IN FEET



**LEGEND**

AREA TO BE FILL WITH APPROVED MATERIAL

AREA TO BE EXCAVATED AND MATERIAL TO BE HAULED OFF

**HORIZONTAL SCALE IN FEET**

**VERTICAL SCALE IN FEET**

|                    |            |
|--------------------|------------|
| <b>PREPARER:</b>   | KMB        |
| <b>REVIEWER:</b>   | SMT        |
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BROAD VISION. EXPERT FOCUS

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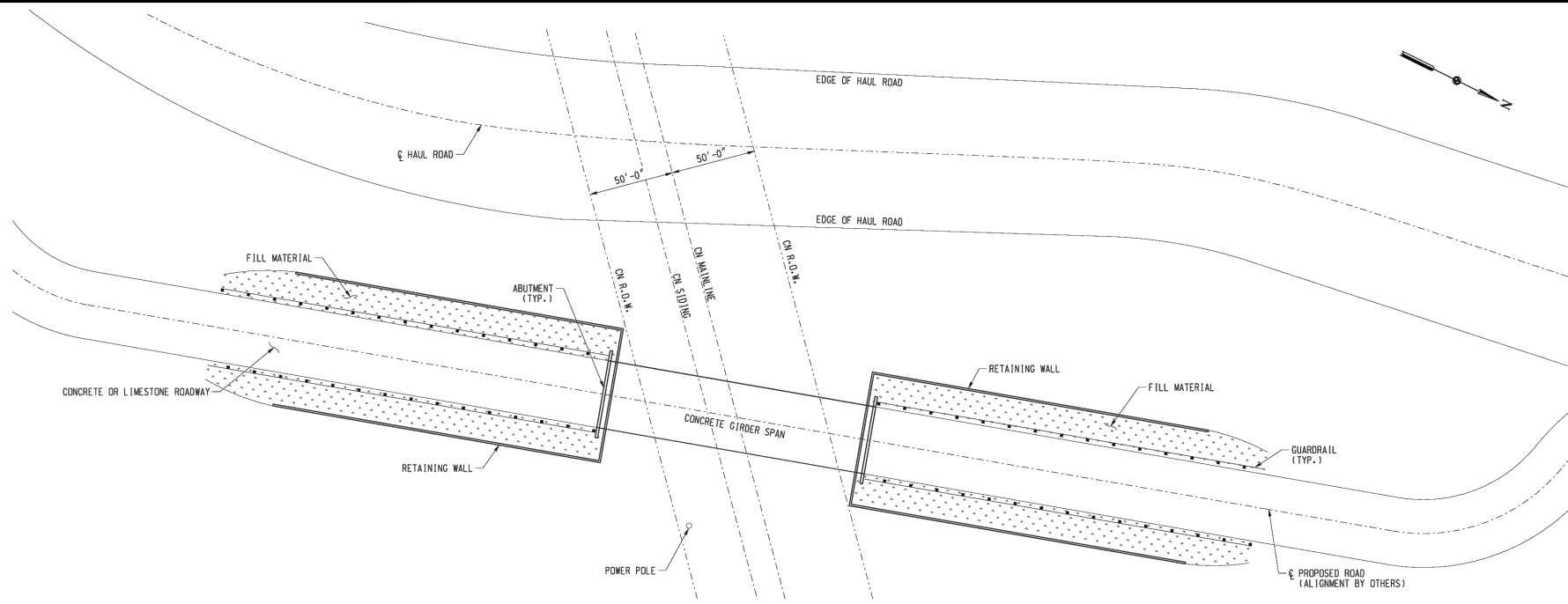
**ST. CHARLES CLEAN FUEL**  
ST. ROSE, LOUISIANA  
ST. CHARLES PARISH

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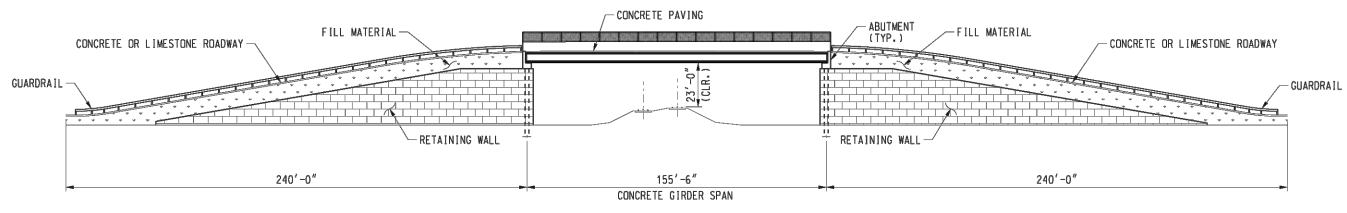
**SHEET NUMBER:** A-16 OF A-42

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FACILITY SITE  
PERMIT DRAWING



BRIDGE PLAN - OPTION 2



BRIDGE ELEVATION - OPTION 2



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SCCF PERMANENT RAIL CROSSING  
OVER CN RAILWAY  
OPTION 2 PLAN & ELEVATION  
ST. ROSE, LOUISIANA

CROUCH ENGINEERING<sup>®</sup> INC.  
5115 MARYLAND WAY, STE 225  
BRENTWOOD, TN 37027  
PHONE NO. (615) 791-0630



PROJECT NO: 23110  
DATE: 9/28/2023  
DRAWN BY: BAB  
CHECKED BY: KNL  
REVISIONS:

SHEET NUMBER

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|-------------|------------|
| PREPARER:   | KMB        |
| REVIEWER:   | SMT        |
| ISSUE DATE: | 08-14-2023 |



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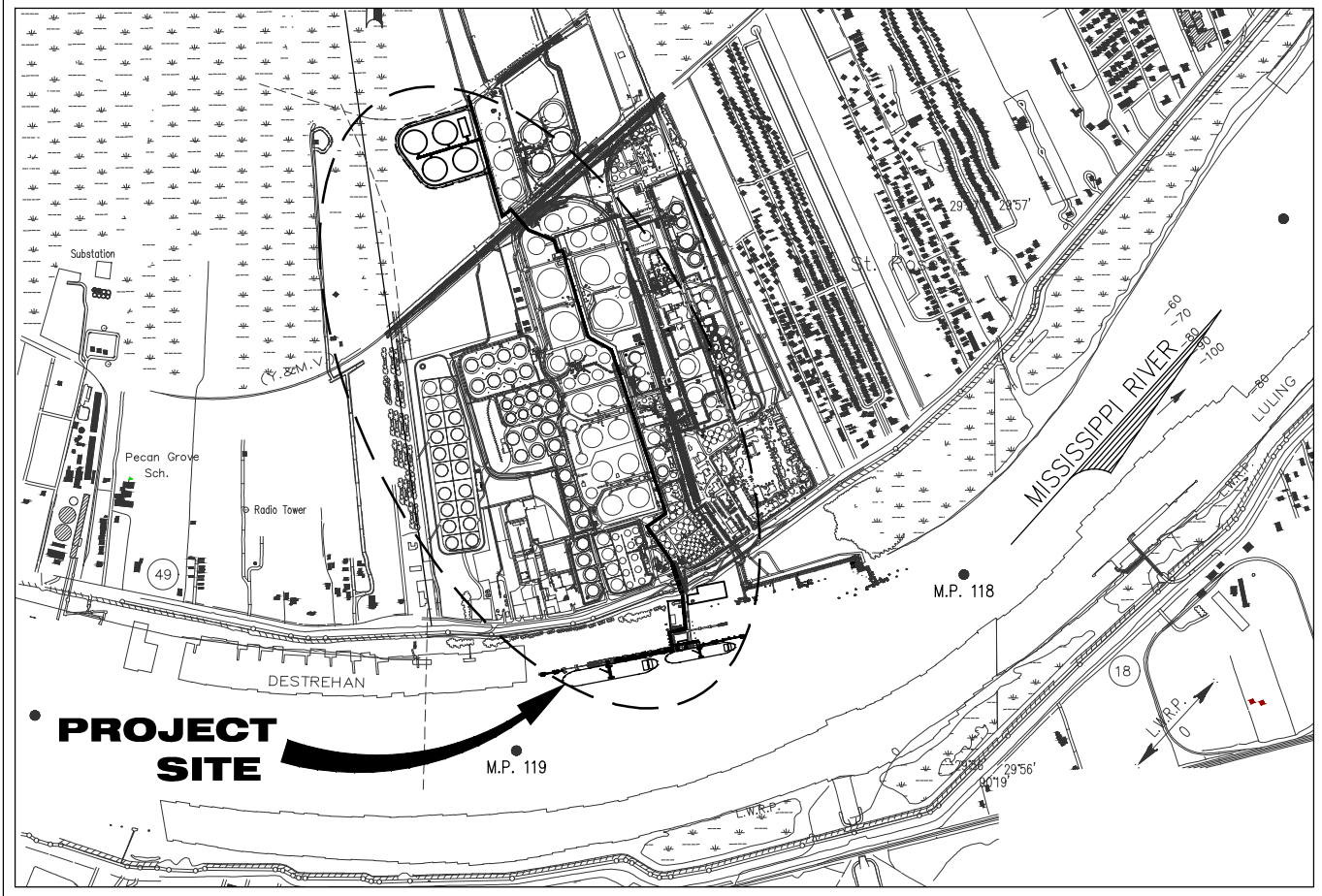
ST. CHARLES CLEAN FUEL  
ST. ROSE, LOUISIANA  
ST. CHARLES PARISH

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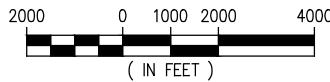
SHEET NUMBER: **A-17 OF A-42**

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FACILITY SITE  
PERMIT DRAWING



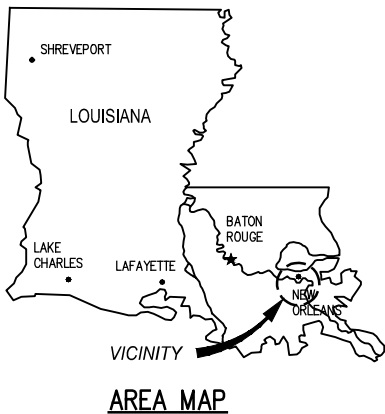
VICINITY MAP



PARISH: ST. CHARLES  
 LAT: 29° 56' 18" N  
 LONG: 90° 19' 30" W

**NOTES**

- AS-BUILT DRAWINGS WILL BE SUBMITTED WITHIN 30 DAYS OF COMPLETION OF THIS PROJECT TO THE LOUISIANA DEPARTMENT OF NATURAL RESOURCES, OFFICE OF CONSERVATION, PIPELINE DIVISION, P. O. BOX 94275 BATON ROUGE, LA 70804, AND TO THE LOUISIANA DEPARTMENT OF NATURAL RESOURCES, COASTAL MANAGEMENT DIVISION, P. O. BOX 44487, BATON ROUGE, LA 70804-4487.
- ALL STRUCTURES, FACILITIES, WELL AND PIPELINES/FLOWLINES OCCURRING IN OPEN WATER ARE AS OR IN OILFIELD CANALS OR SLIPS SHALL BE REMOVED WITHIN 120 DAYS OF ABANDONMENT OR 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.
- STRUCTURES MUST ALSO BE MARKED/LIGHTED IN ACCORDANCE WITH U. S. COAST GUARD REGULATIONS.
- IN ORDER TO ENSURE THE SAFETY OF ALL PARTIES, THE PERMITTEE 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.
- 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 WPD TRACKED SPECIES ARE ENCOUNTERED WITHIN THE PROJECT AREA, PLEASE CONTACT OUR BIOLOGIST AT 225-763-3554.
- THE AREA WHERE THE PROJECT IS LOCATED IS ALL PART OF THE ABORIGINAL HOMELANDS OF THE CHITMACHA TRIBE OF LOUISIANA. AS SUCH, LARGE VILLAGES, BURIAL SITES AND SACRED SITES WERE IN PLACE IN THAT ENTIRE AREA. IF AT ANY TIME DURING THE COURSE OF THE WORK, ANY TRADITIONAL CULTURAL PROPERTIES ARE DISCOVERED, PERMITTEE SHALL IMMEDIATELY CONTACT KIMBERLY S. WALDEN (CULTURAL DIRECTOR) OR MELANIE AYMOND (RESEARCH COORDINATOR) AT 337-923-9923 OR 337-923-4395. OFFICE HOURS ARE MONDAY THROUGH THURSDAY FROM 7:30 AM - 5:00 PM AND ON FRIDAY BETWEEN 7:30 AM - 11:30 AM. IF TRADITIONAL CULTURAL PROPERTIES ARE DISCOVERED ON THE WEEKEND OR AFTER BUSINESS HOURS, THE NOTIFICATION SHALL BE MADE THE NEXT BUSINESS MORNING.

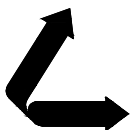


VICINITY  
**AREA MAP**

JOHN P. LEONARD P.E.  
 LA PE #39467

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REV  
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ST. ROSE

IMTT

LOUISIANA

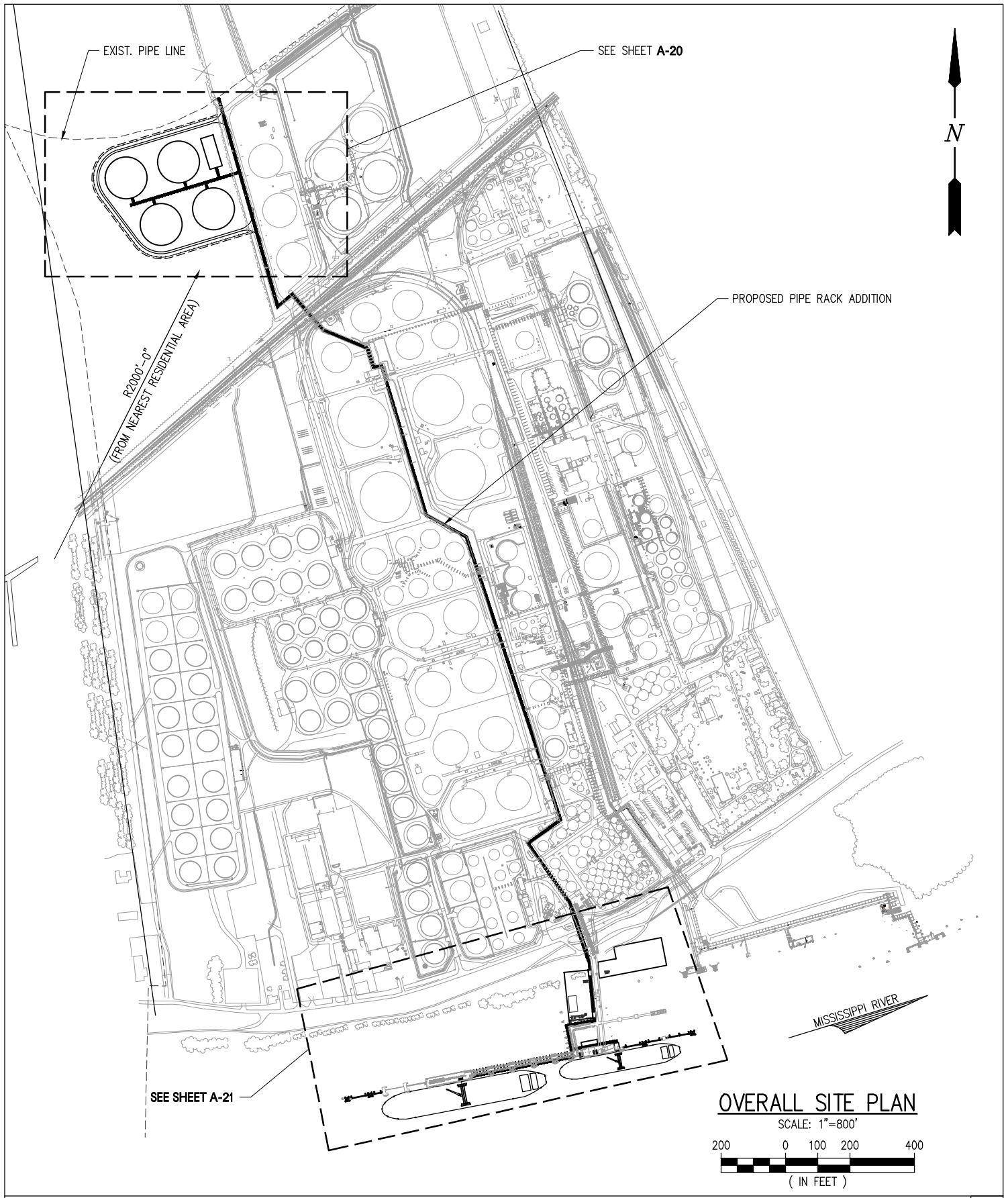
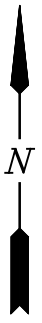
**BLUE AMMONIA PROJECT**

**VICINITY MAP, AREA MAP & NOTES**

DATE JULY 2023  
 DESIGN JPL  
 DRAWN TPM  
 CHECK JDM  
 JOB NO 12512  
 SHEET No.  
A-18 of A-42

9/27/2023 4:12 PM

J:\120005\12512 IMTT PROJ BLUE CON STUDY\DRAWINGS\PERMIT\12512-P2.DWG



**OVERALL SITE PLAN**  
 SCALE: 1"=800'  
 200 0 100 200 400  
 ( IN FEET )

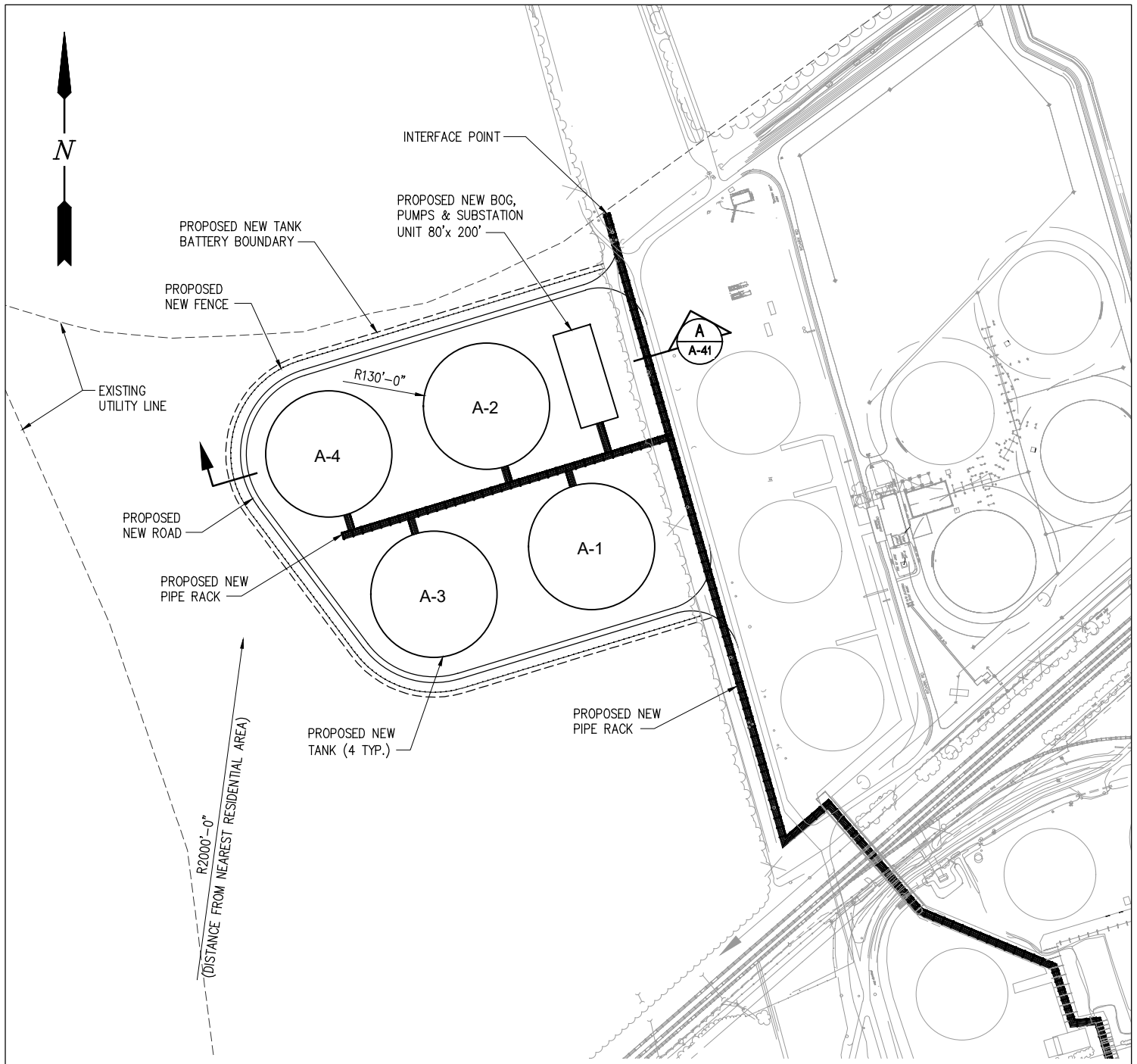
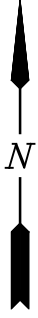
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ST. ROSE IMTT LOUISIANA  
**BLUE AMMONIA PROJECT**  
**OVERALL SITE PLAN**

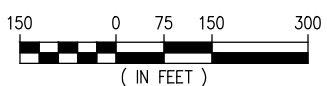
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| DRAWN     | TPM          |
| CHECK     | JDM          |
| JOB NO.   | 12512        |
| SHEET No. | A-19 of A-42 |





### ENLARGED TANK AREA PLAN

SCALE: 1"=300'



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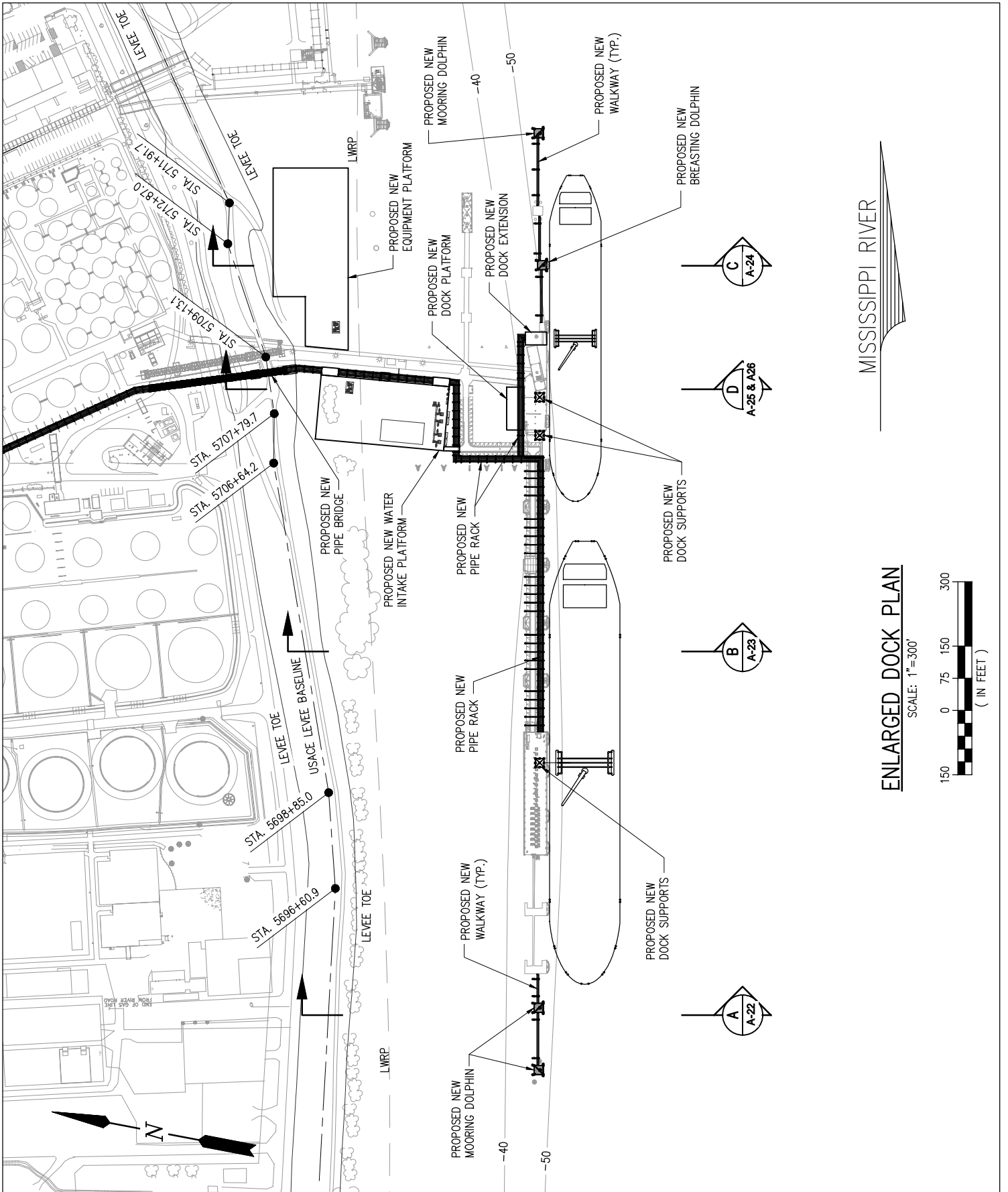
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**BLUE AMMONIA PROJECT**

**ENLARGED TANK AREA PLAN**

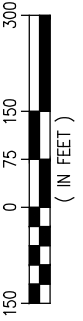
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| DRAWN     | TPM          |
| CHECK     | JDM          |
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| SHEET No. | A-20 OF A-42 |



MISSISSIPPI RIVER

### ENLARGED DOCK PLAN

SCALE: 1"=300'



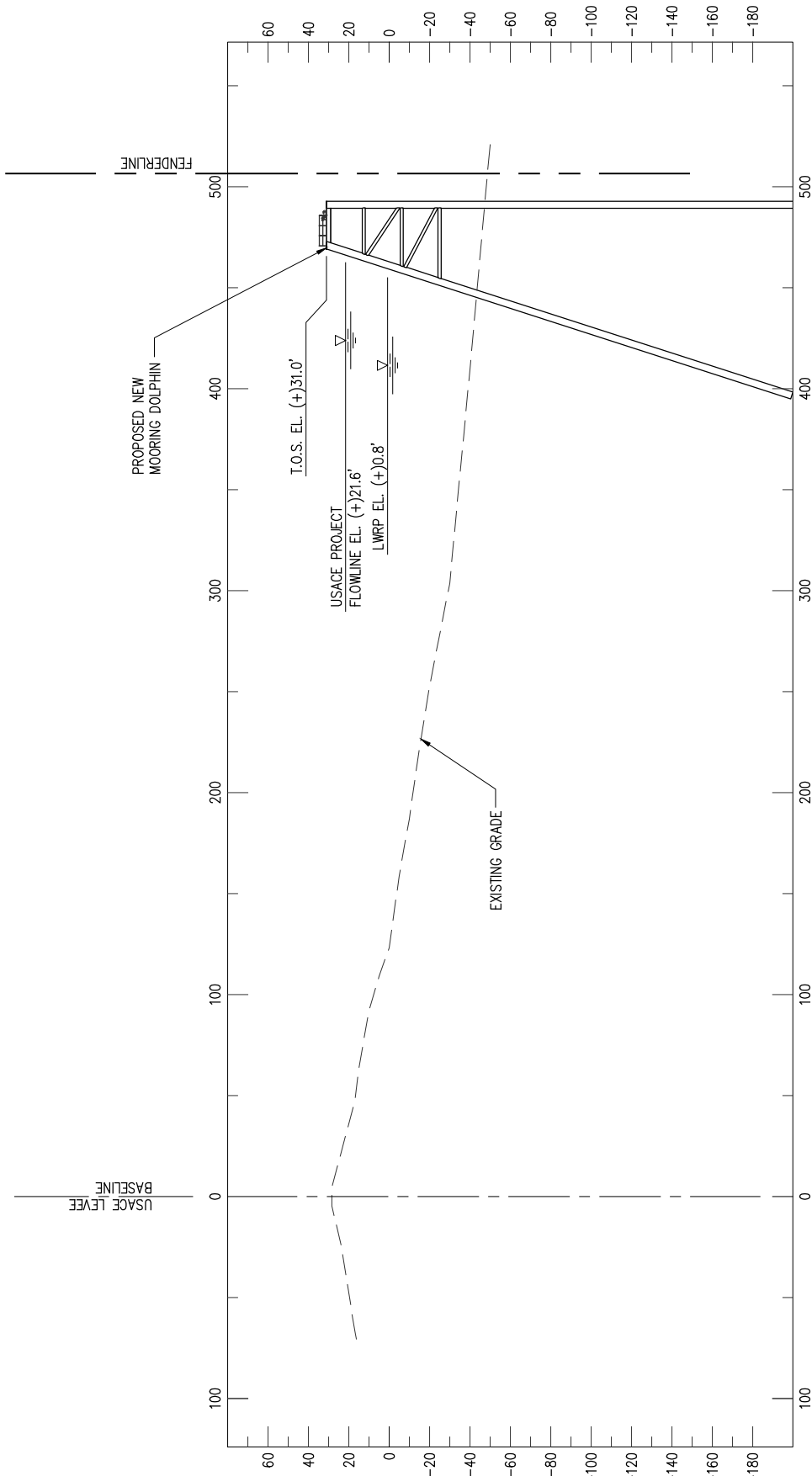
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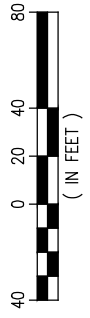
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|                      |      |           |                        |
|----------------------|------|-----------|------------------------|
| ST. ROSE             | IMTT | LOUISIANA | DATE JULY 2023         |
| BLUE AMMONIA PROJECT |      |           | DESIGN JPL             |
|                      |      |           | DRAWN TPM              |
| ENLARGED DOCK PLAN   |      |           | CHECK JDM              |
|                      |      |           | JOB NO 12512           |
|                      |      |           | SHEET No. A-21 of A-42 |



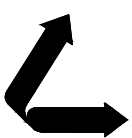
**SECTION A**  
SCALE: 1"=80'



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REV B

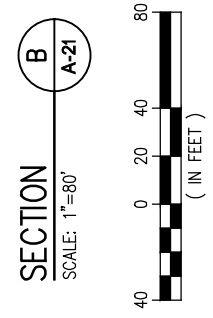
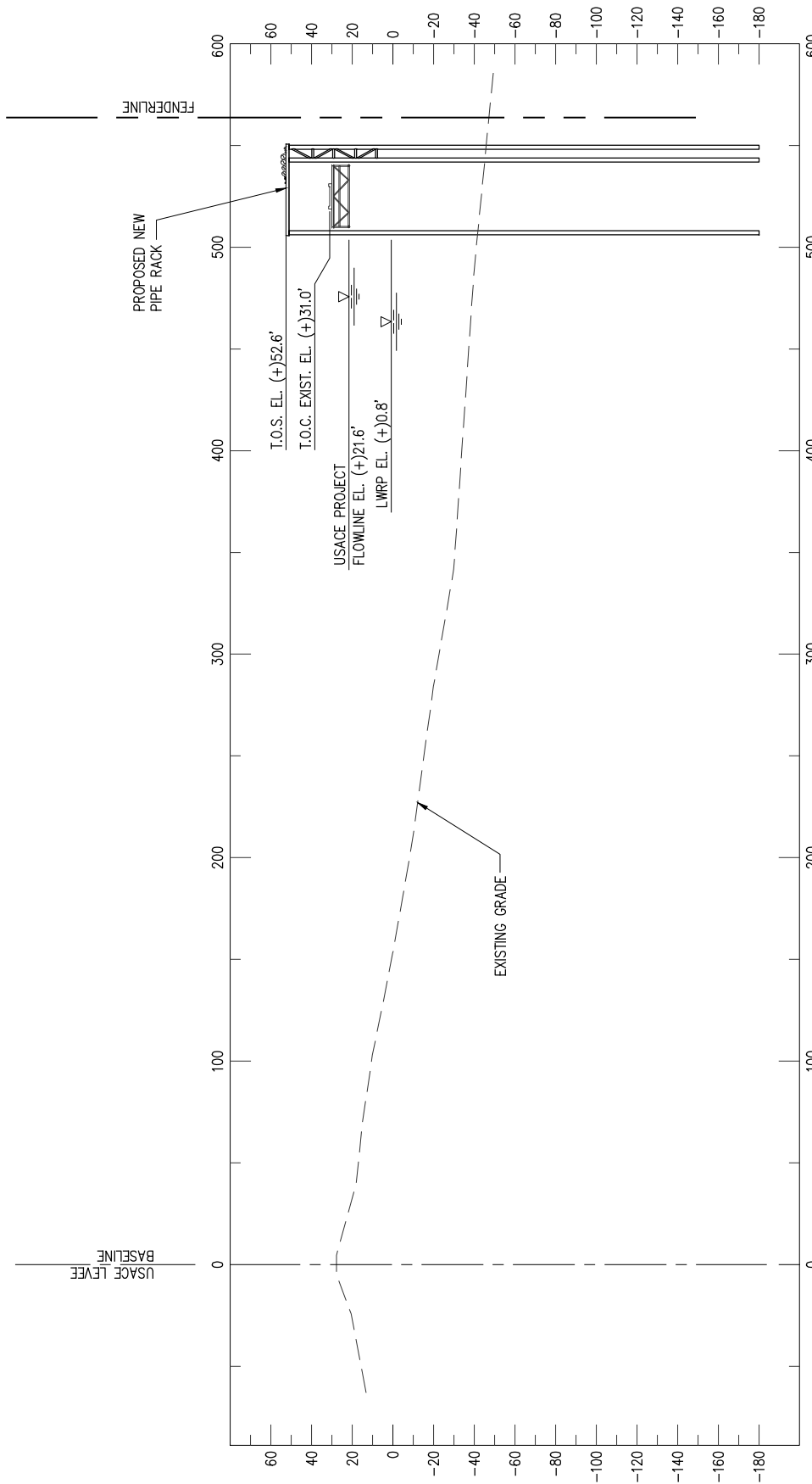


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**BLUE AMMONIA PROJECT**  
**CROSS SECTION**  
**SECTION A**

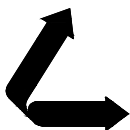
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DESIGN JPL  
DRAWN TPM  
CHECK JDM  
JOB NO 12512  
SHEET No.  
A-22 of A-42



JOHN P. LEONARD P.E.  
LA PE #39467

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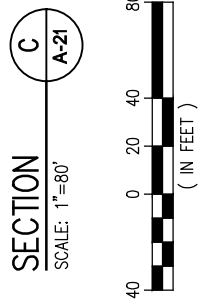
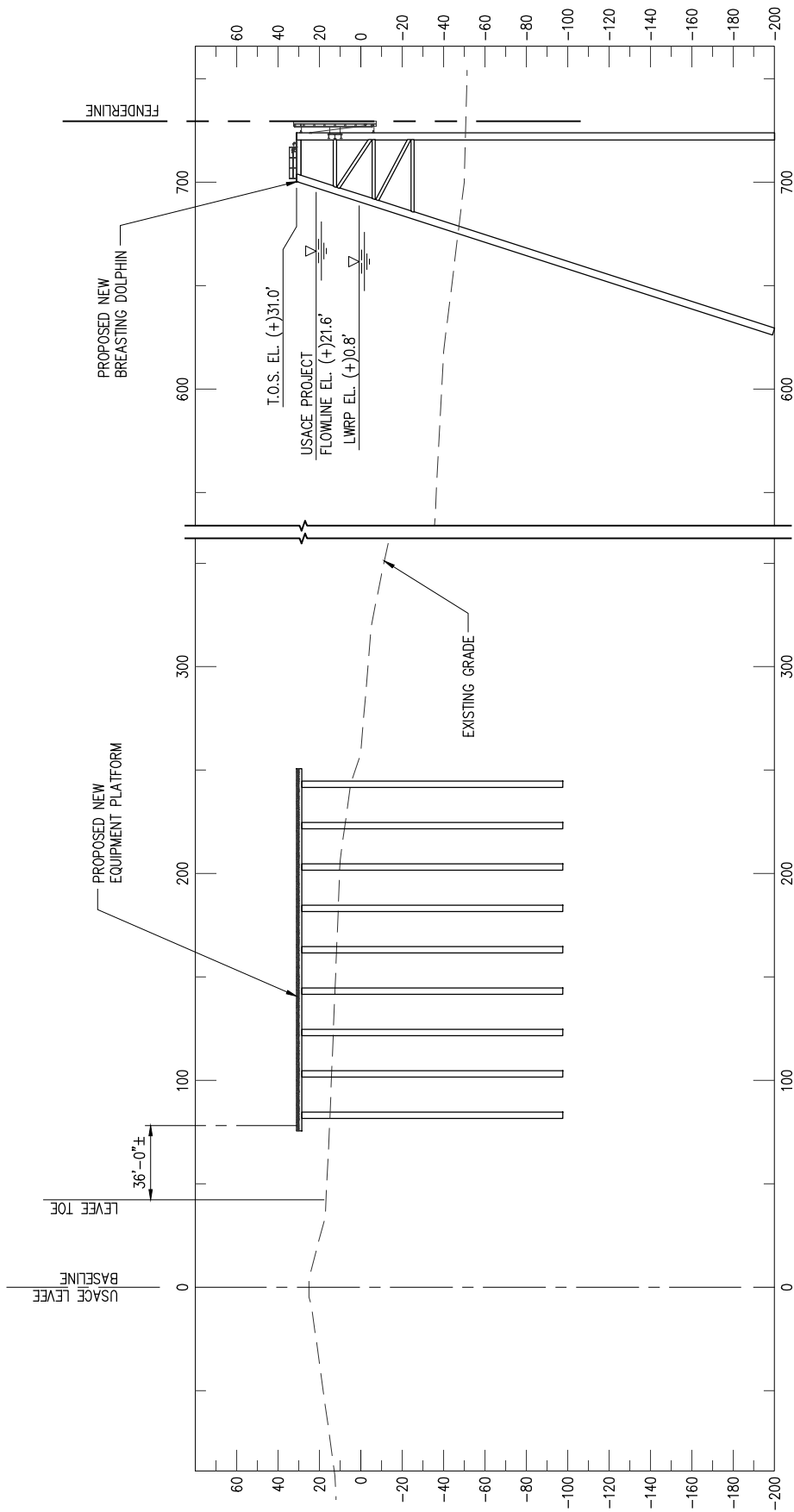
ST. ROSE

IMTT

LOUISIANA

BLUE AMMONIA PROJECT  
CROSS SECTION  
SECTION B

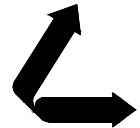
DATE JULY 2023  
DESIGN JPL  
DRAWN TPM  
CHECK JDM  
JOB NO 12512  
SHEET No.  
A-23 of A-42



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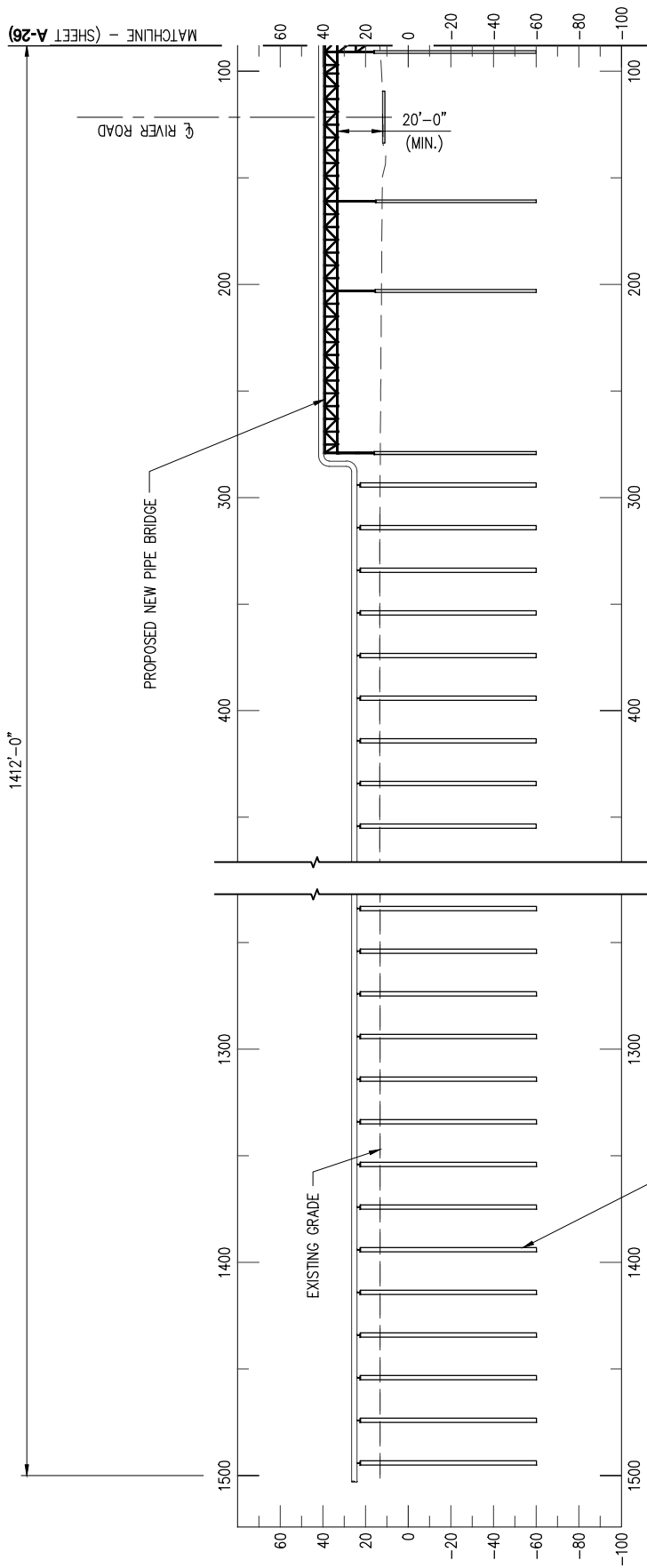
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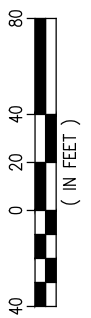
ST. ROSE IMTT LOUISIANA

**BLUE AMMONIA PROJECT**  
**CROSS SECTION**  
**SECTION C**

DATE JULY 2023  
DESIGN JPL  
DRAWN TPM  
CHECK JDM  
JOB NO 12512  
SHEET No.  
A-24 of A-42



**SECTION D**  
SCALE: 1"=80'



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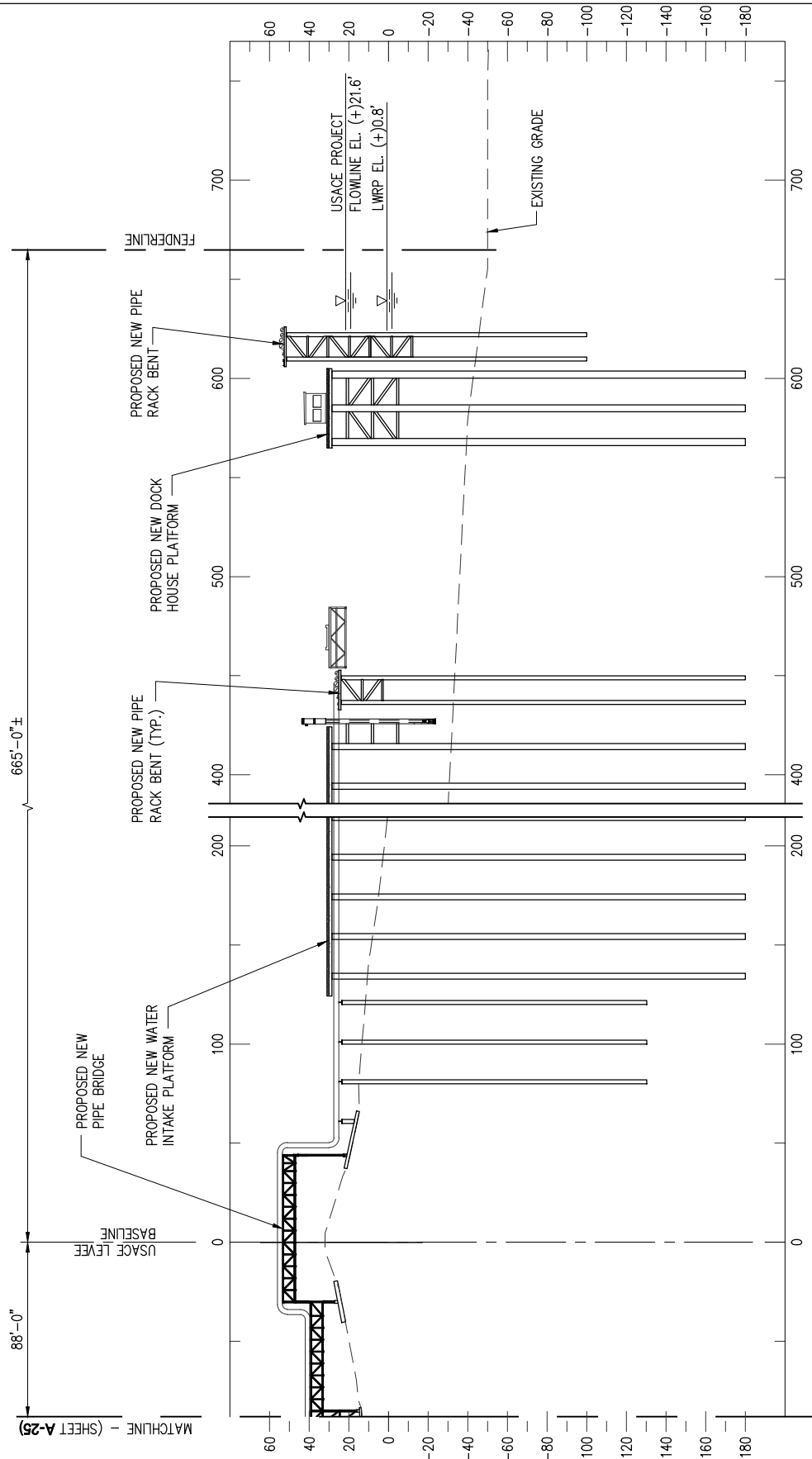
PRELIMINARY - FOR PERMITTING PURPOSES ONLY, NOT FOR CONSTRUCTION

REV B

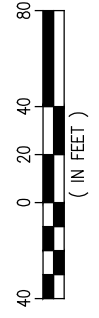
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**BLUE AMMONIA PROJECT**  
CROSS SECTION  
SECTION D (1 OF 2)

|           |              |
|-----------|--------------|
| DATE      | JULY 2023    |
| DESIGN    | JPL          |
| DRAWN     | TPM          |
| CHECK     | JDM          |
| JOB NO.   | 12512        |
| SHEET No. | A-25 of A-42 |



**SECTION D**  
SCALE: 1"=60'



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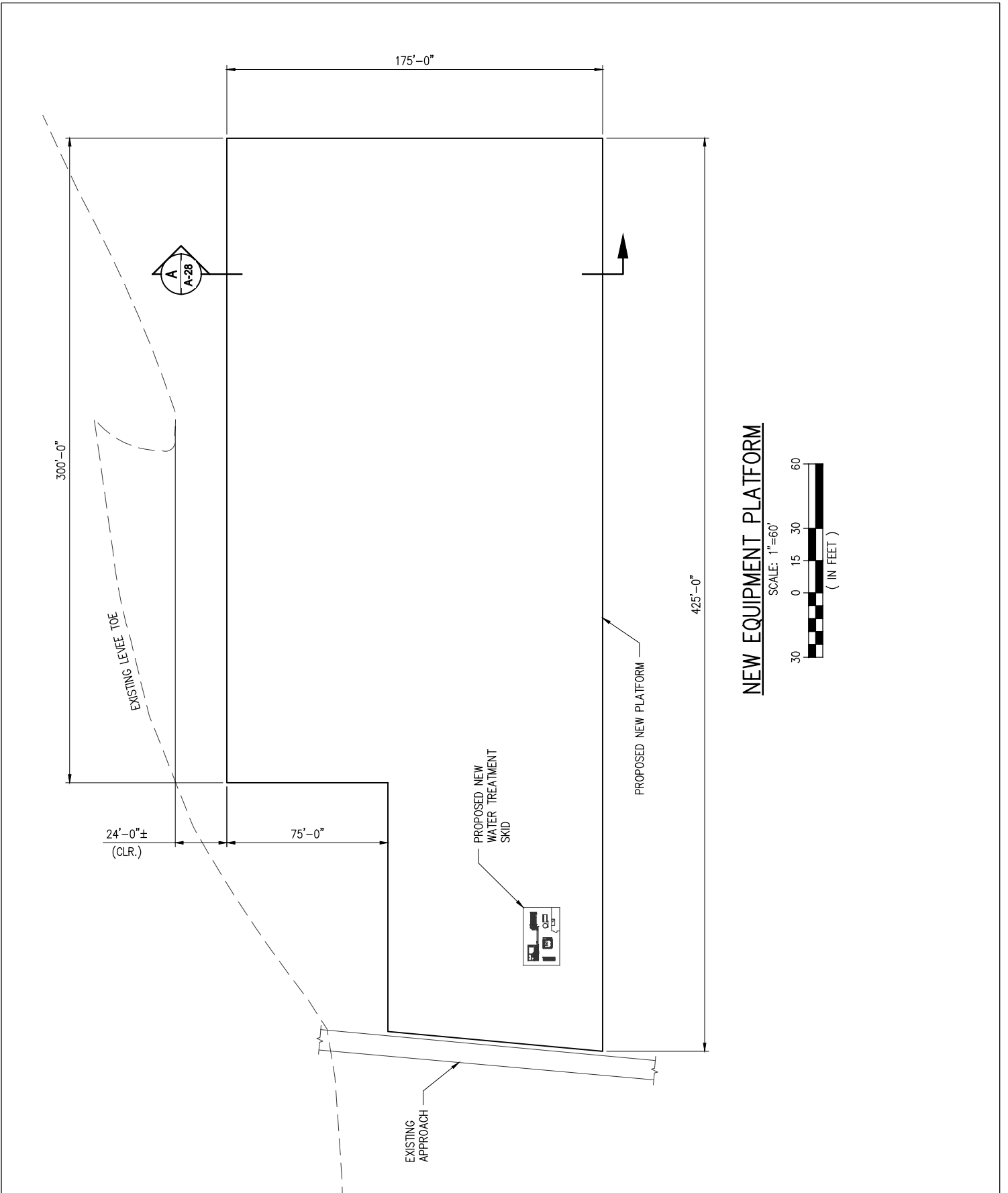
REV B

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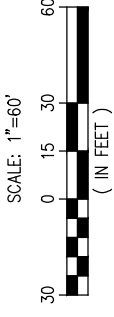
ST. ROSE IMTT LOUISIANA

**BLUE AMMONIA PROJECT**  
CROSS SECTION  
SECTION D (2 OF 2)

DATE JULY 2023  
DESIGN JPL  
DRAWN TPM  
CHECK JDM  
JOB NO 12512  
SHEET No. A-26 of A-42



**NEW EQUIPMENT PLATFORM**



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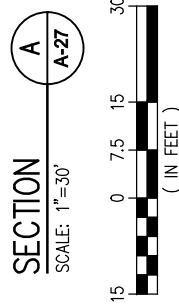
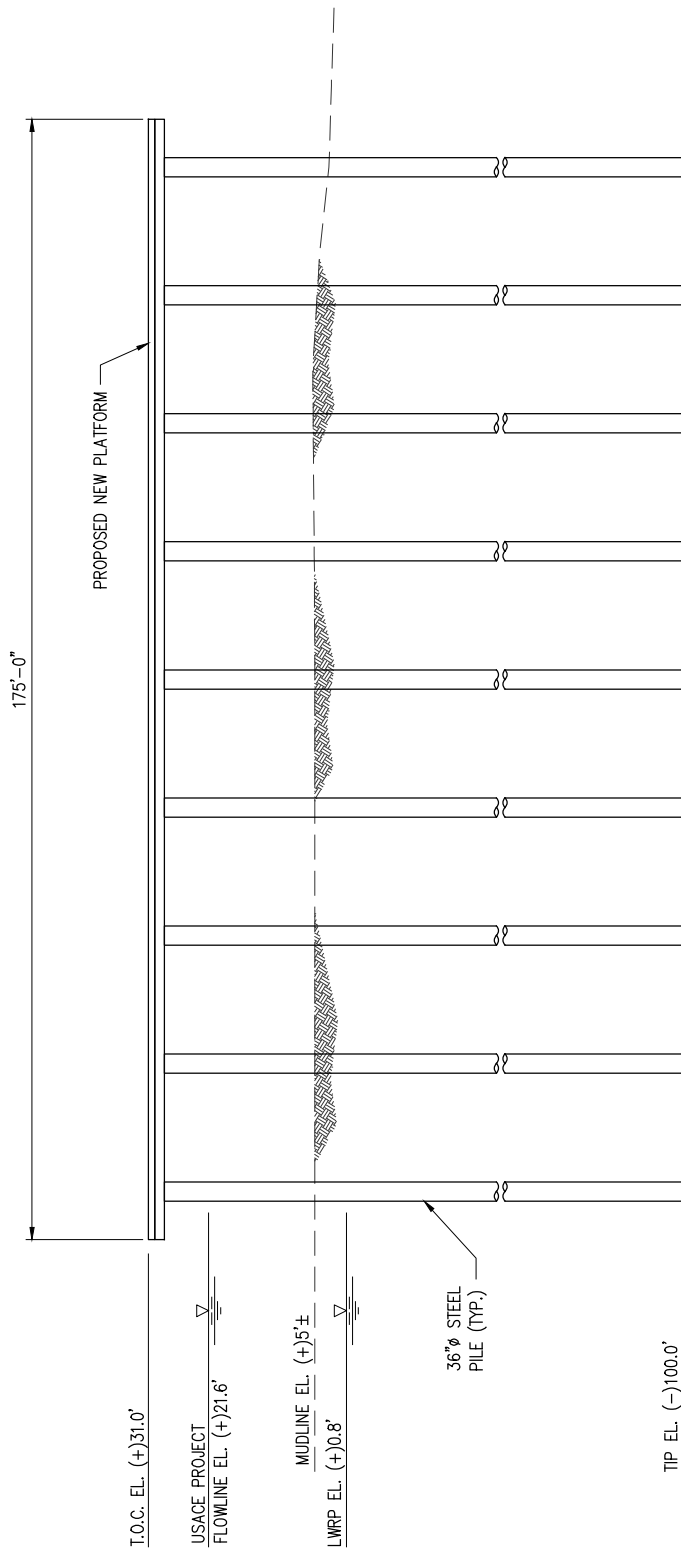
IMTT

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**BLUE AMMONIA PROJECT**  
**NEW EQUIPMENT PLATFORM**  
**PLAN**

|           |              |
|-----------|--------------|
| DATE      | JULY 2023    |
| DESIGN    | JPL          |
| DRAWN     | TPM          |
| CHECK     | JDM          |
| JOB NO.   | 12512        |
| SHEET No. | A-27 OF A-42 |

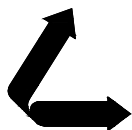




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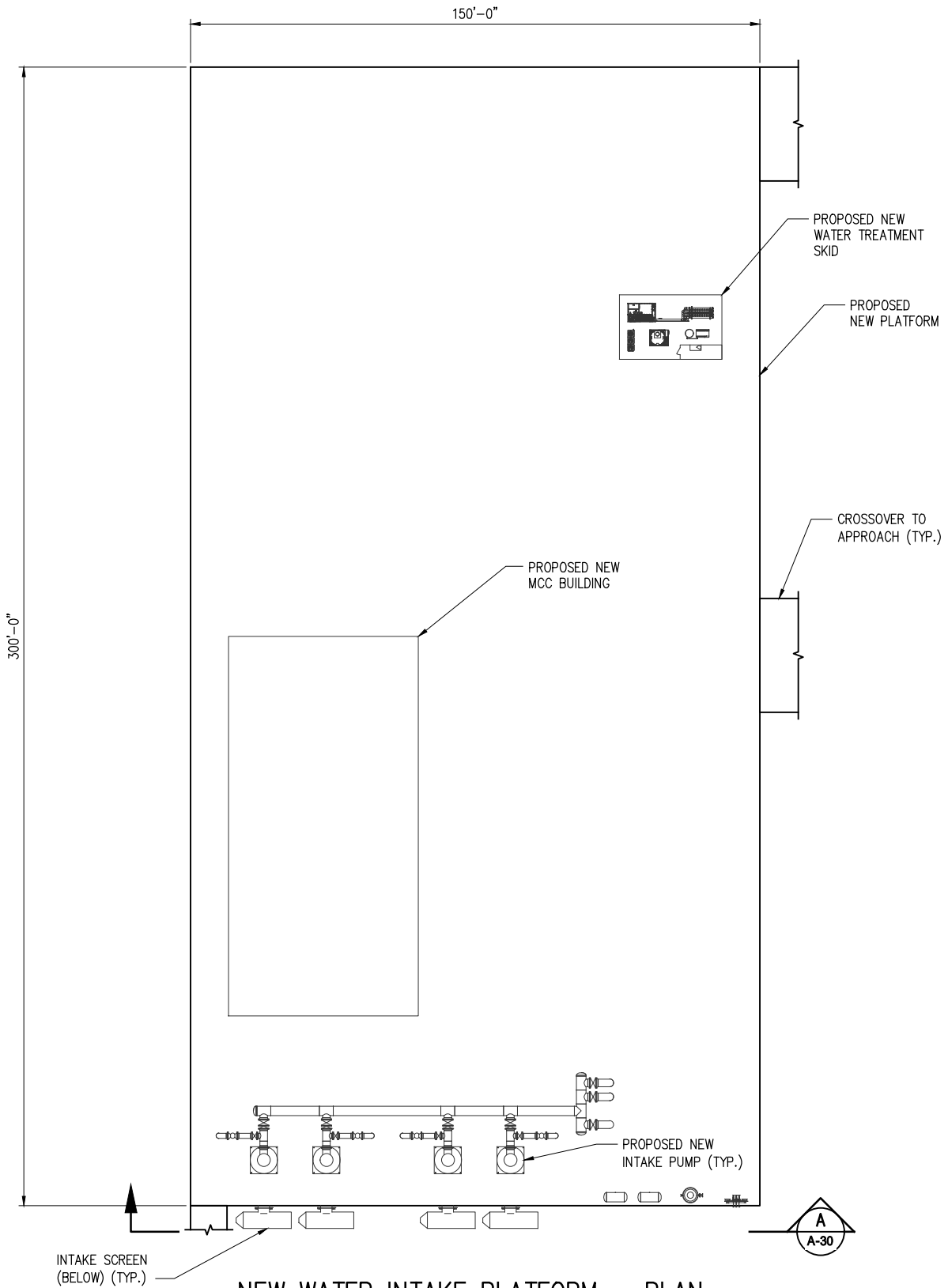
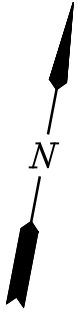
ST. ROSE

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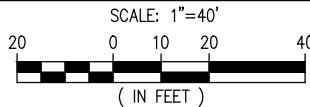
LOUISIANA

BLUE AMMONIA PROJECT  
NEW EQUIPMENT PLATFORM  
SECTION

DATE JULY 2023  
DESIGN JPL  
DRAWN TPM  
CHECK JDM  
JOB NO. 12512  
SHEET No.  
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### NEW WATER INTAKE PLATFORM – PLAN



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BLUE AMMONIA PROJECT  
NEW WATER INTAKE PLATFORM  
PLAN

DATE JULY 2023

DESIGN JPL

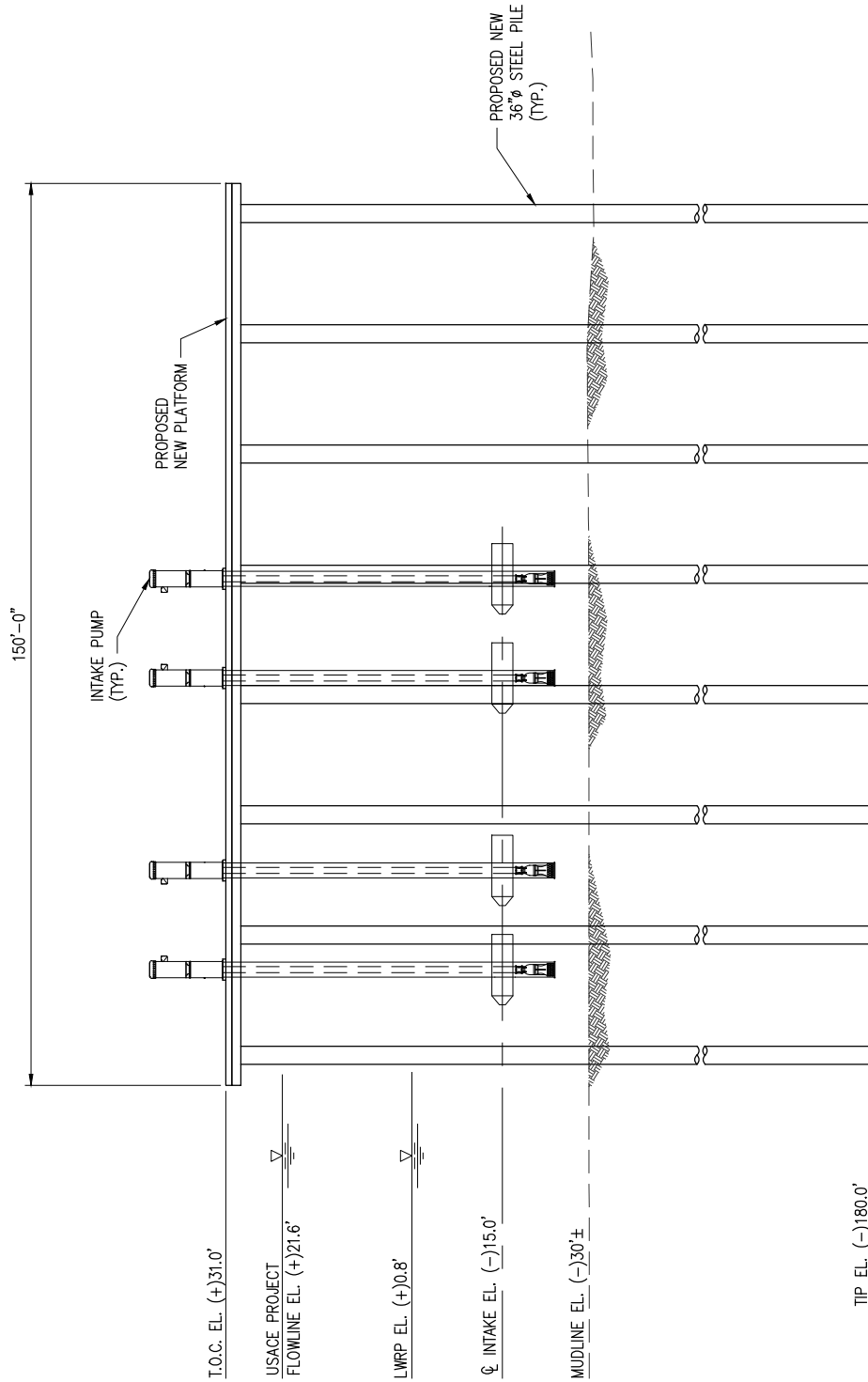
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CHECK JDM

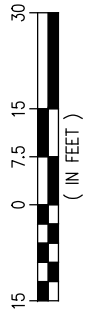
JOB NO 12512

SHEET No.

A-29 of A-42



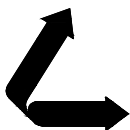
**SECTION A**  
 SCALE: 1"=30'



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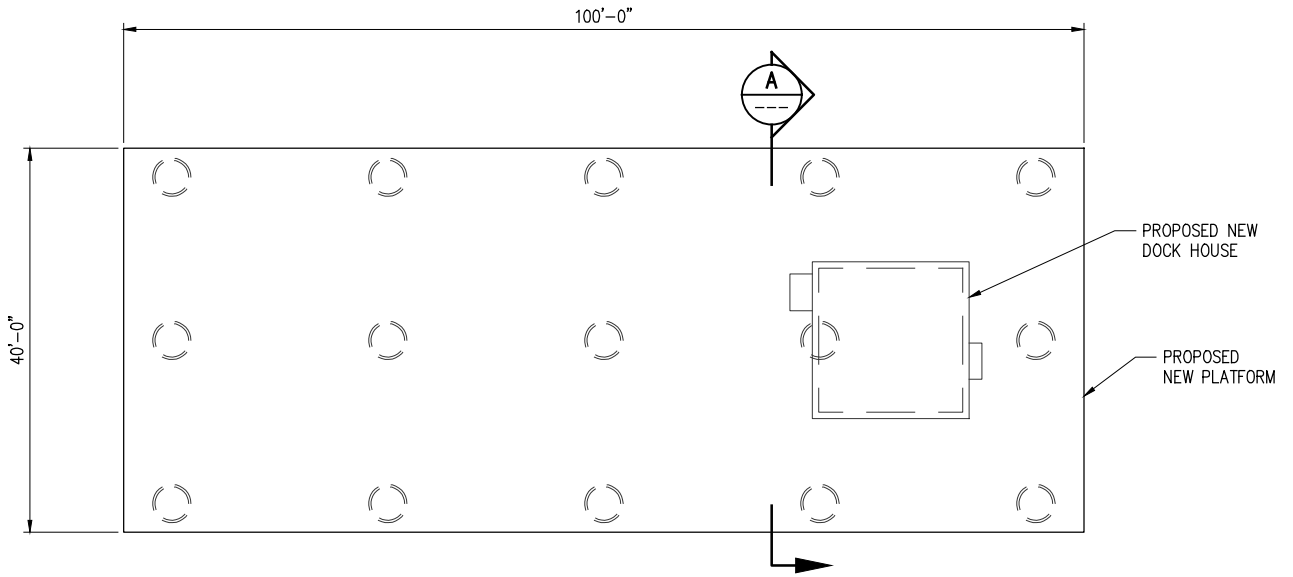
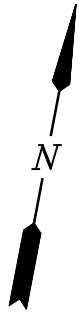
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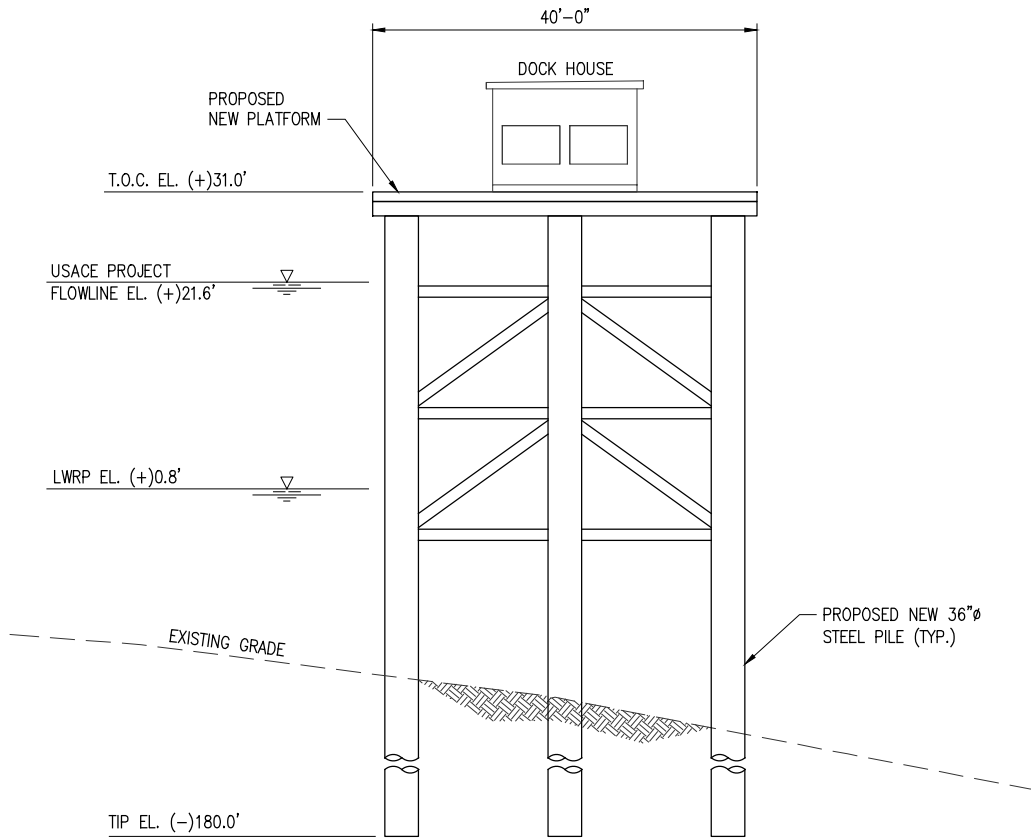
**BLUE AMMONIA PROJECT**  
**NEW WATER INTAKE PLATFORM**  
**SECTION**

DATE JULY 2023  
 DESIGN JPL  
 DRAWN TPM  
 CHECK JDM  
 JOB NO 12512  
 SHEET No.  
 A-30 of A-42



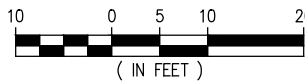
### NEW DOCKHOUSE PLATFORM - PLAN

SCALE: 1"=20'



### SECTION

SCALE: 1"=20'



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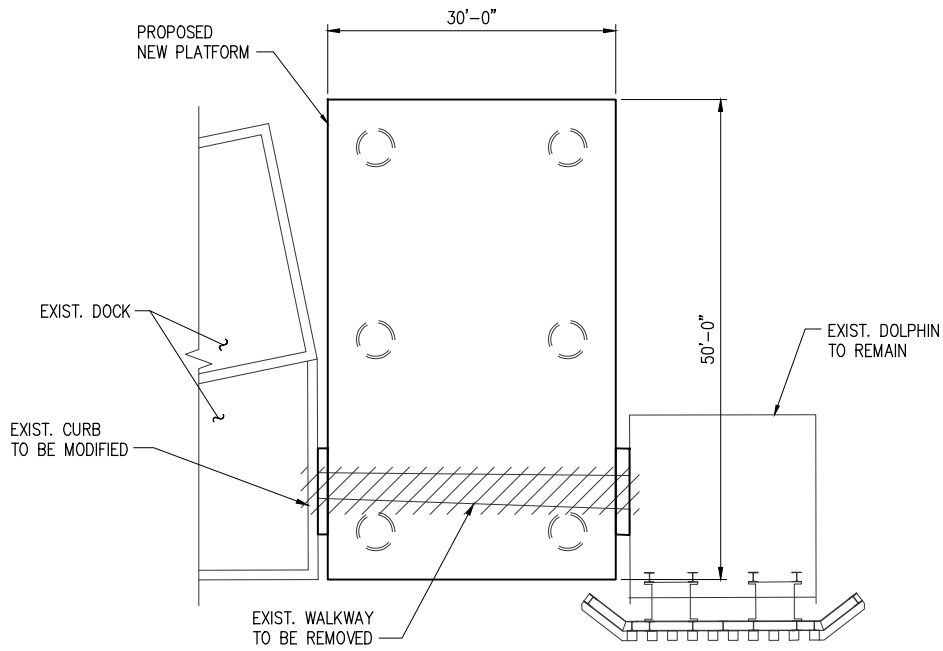
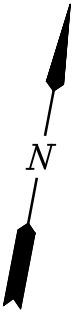
ST. ROSE

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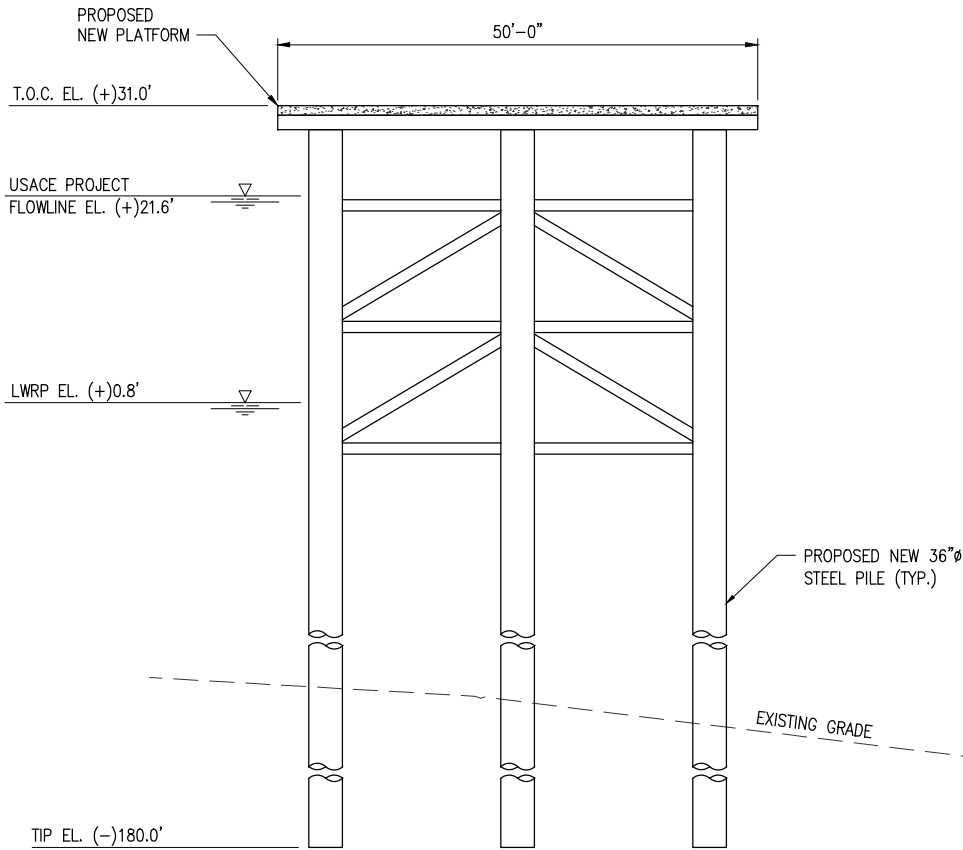
BLUE AMMONIA PROJECT  
NEW DOCKHOUSE PLATFORM  
PLAN & SECTION

|           |              |
|-----------|--------------|
| DATE      | JULY 2023    |
| DESIGN    | JPL          |
| DRAWN     | TPM          |
| CHECK     | JDM          |
| JOB NO.   | 12512        |
| SHEET No. | A-31 of A-42 |



### NEW DOCK EXTENSION PLATFORM – PLAN

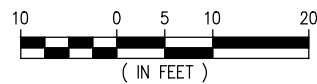
SCALE: 1"=20'



### SECTION



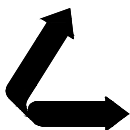
SCALE: 1"=20'



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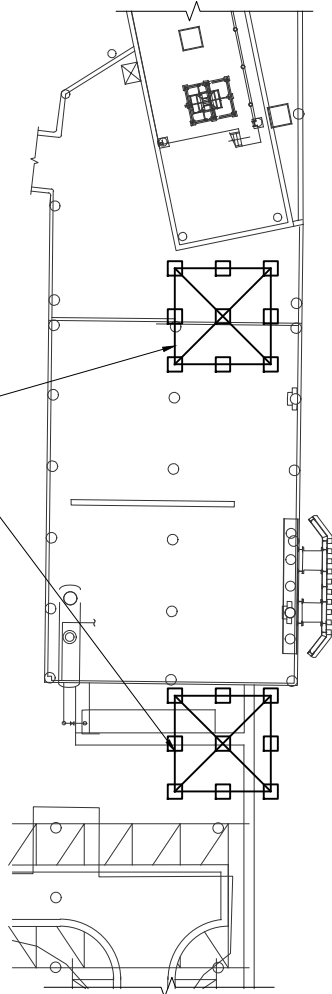
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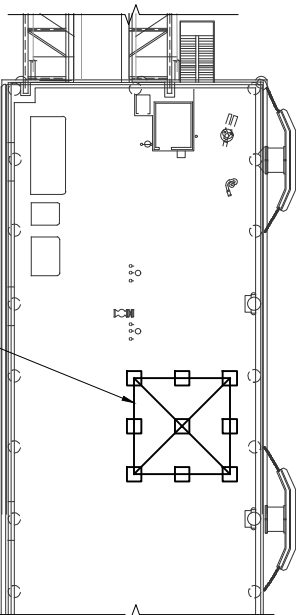
BLUE AMMONIA PROJECT  
NEW DOCK EXTENSION PLATFORM  
PLAN & SECTION

DATE JULY 2023  
DESIGN JPL  
DRAWN TPM  
CHECK JDM  
JOB NO 12512  
SHEET No.  
A-32 of A-42

PROPOSED NEW DOWNSTREAM DOCK SUPPORTS



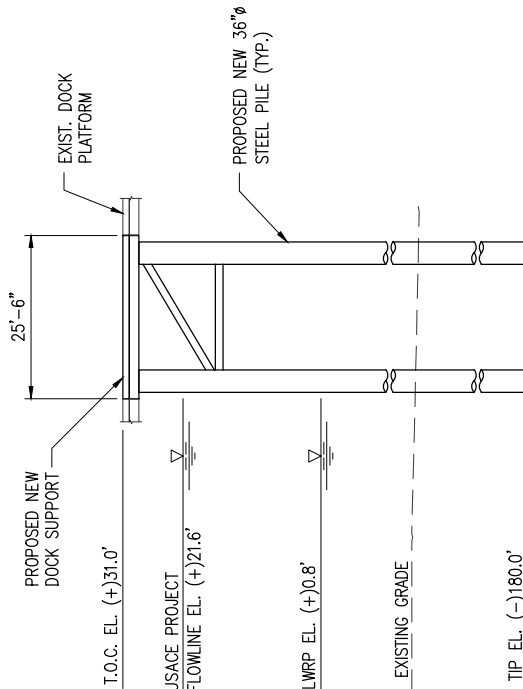
PROPOSED NEW UPSTREAM DOCK SUPPORTS



MISSISSIPPI RIVER

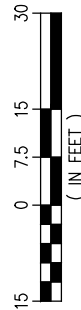
**NEW DOCK SUPPORTS - PLAN**

SCALE: 1"=40'



**TYPICAL DOCK SUPPORT DETAIL**

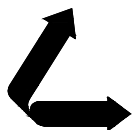
SCALE: 1"=30'



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NEW DOCK SUPPORTS  
PLAN & DETAIL

DATE JULY 2023

DESIGN JPL

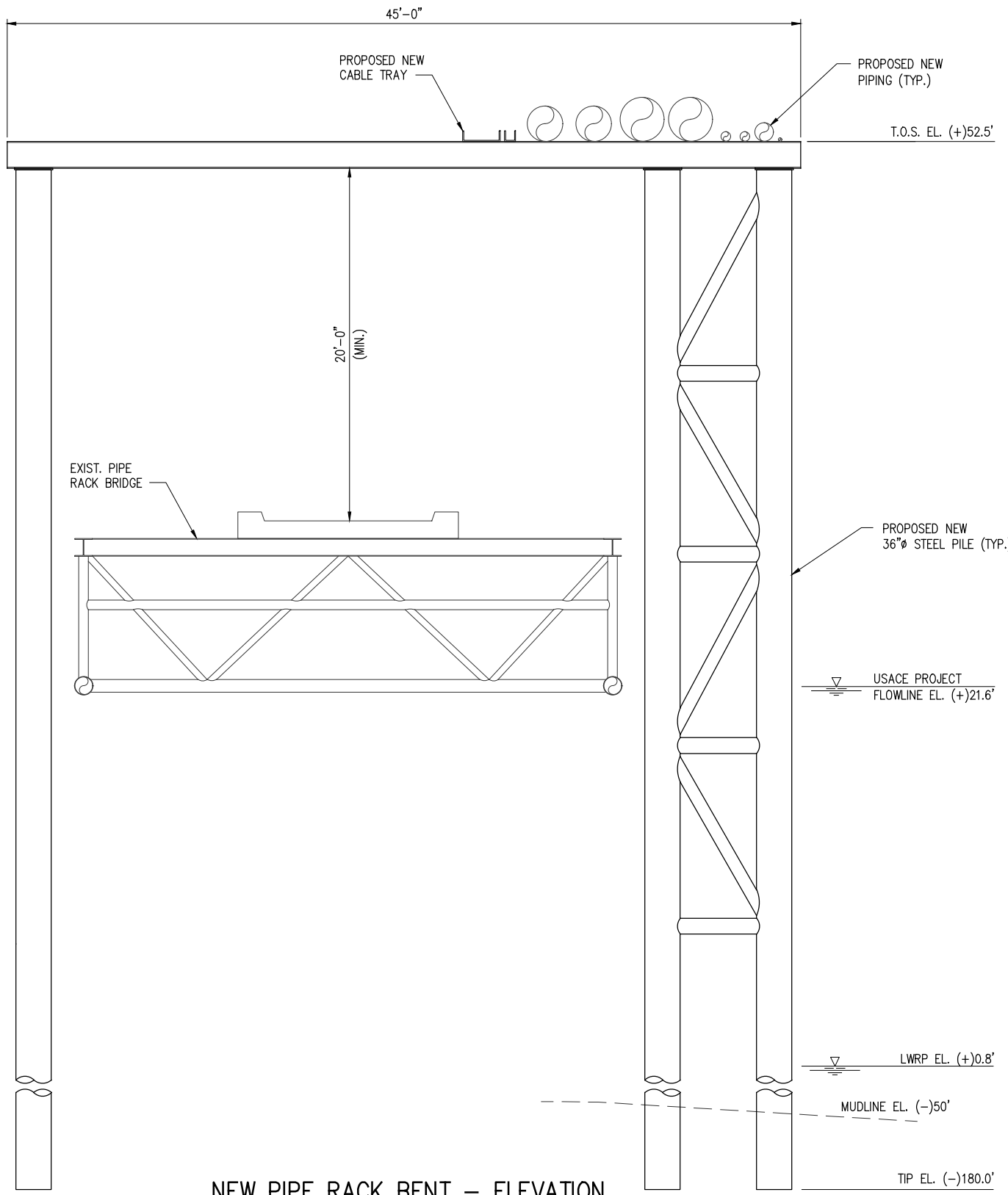
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CHECK JDM

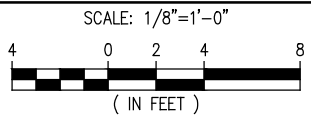
JOB NO 12512

SHEET No.

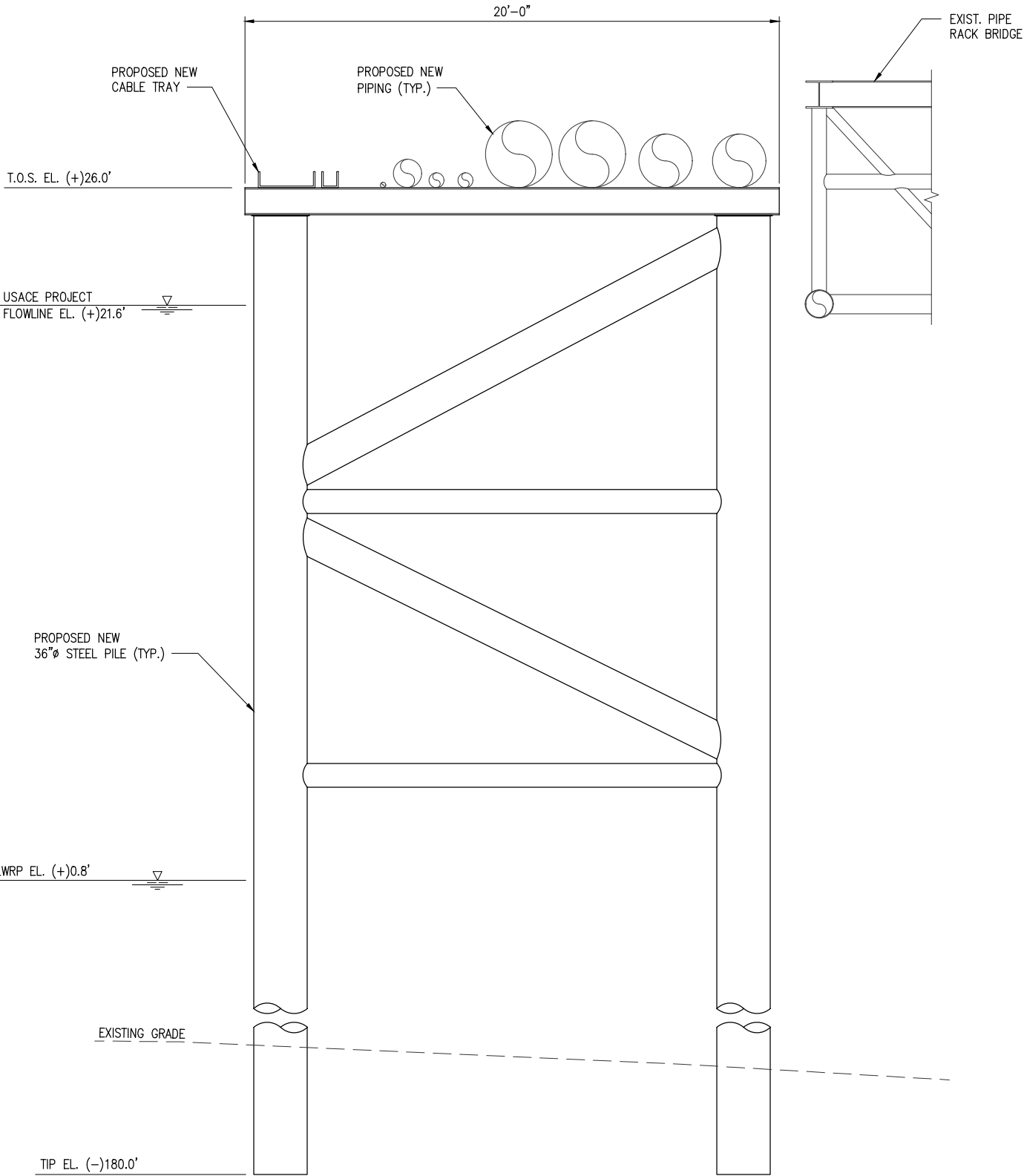
A-33 of A-42



**NEW PIPE RACK BENT – ELEVATION**

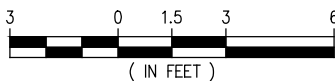


|                                      |  |   |   |          |
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|                                      | <b>LANIER &amp; ASSOCIATES</b><br><b>CONSULTING ENGINEERS</b><br>INCORPORATED  |   | ST. ROSE <span style="margin-left: 150px;">IMTT</span> <span style="margin-left: 150px;">LOUISIANA</span>                                     |          |
|                                      | LA: EF-1120 <span style="margin-left: 100px;">TX: F-2981</span><br>NEW ORLEANS • BEAUMONT • CORPUS CHRISTI • HOUSTON |   | <b>BLUE AMMONIA PROJECT</b><br><b>TYPICAL PIPE RACK @ EXIST BRIDGES</b><br><b>ELEVATION</b>   |          |
|                                      |  |   | DATE <u>JULY 2023</u><br>DESIGN <u>JPL</u><br>DRAWN <u>TPM</u><br>CHECK <u>JDM</u><br>JOB NO <u>12512</u><br>SHEET No.<br><b>A-34 of A-42</b> |          |



### NEW PIPE RACK BENT

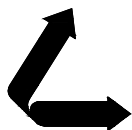
SCALE: 3/16"=1'-0"



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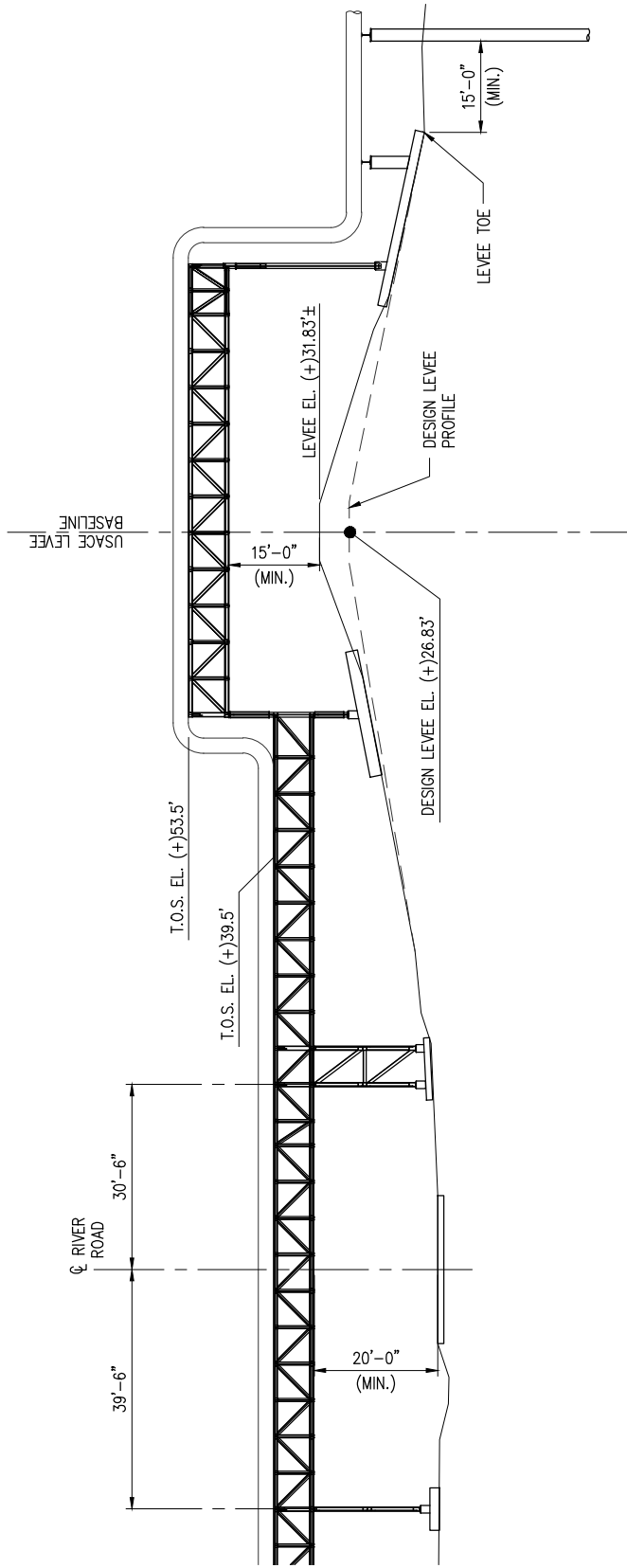
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BLUE AMMONIA PROJECT  
TYPICAL PIPE RACK BENT  
ELEVATION

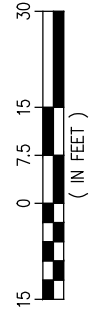
|           |              |
|-----------|--------------|
| DATE      | JULY 2023    |
| DESIGN    | JPL          |
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| CHECK     | JDM          |
| JOB NO.   | 12512        |
| SHEET No. | A-35 of A-42 |



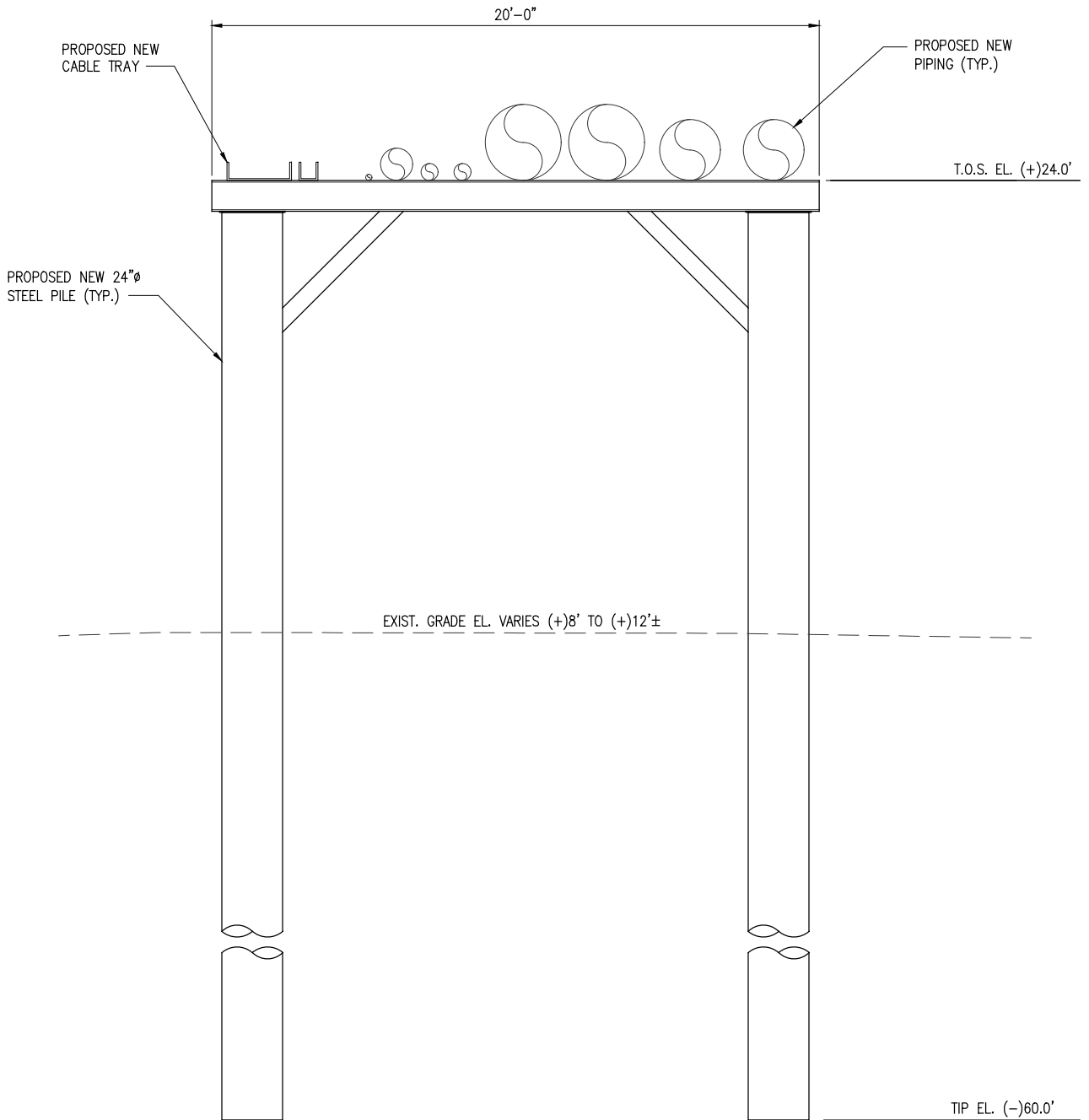


**NEW PIPE BRIDGE @ LEVEE & ROAD**

SCALE: 1"=30'



|   |  |  |  |                  |
|---|--|--|--|------------------|
| <p>JOHN P. LEONARD P.E.<br/>LA PE #39467</p>  |  | <p><b>PRELIMINARY - FOR PERMITTING PURPOSES ONLY, NOT FOR CONSTRUCTION</b></p> |  | <p>REV<br/>B</p> |
| <p><b>LANIER &amp; ASSOCIATES</b><br/>CONSULTING ENGINEERS<br/>INCORPORATED</p> <p>LA: EF-1120 TX: F-2981<br/>NEW ORLEANS • BEAUMONT • CORPUS CHRISTI • HOUSTON</p> | <p>ST. ROSE <span style="float: right;">LOUISIANA</span></p> <p>IMTT</p> |  | <p>DATE <u>JULY 2023</u><br/>DESIGN <u>JPL</u><br/>DRAWN <u>TPM</u><br/>CHECK <u>JDM</u><br/>JOB NO <u>12512</u><br/>SHEET No.<br/><u>A-36 of A-42</u></p> |                  |
|   | <p>BLUE AMMONIA PROJECT<br/>NEW PIPE BRIDGE<br/>@ LEVEE &amp; ROAD</p>   |  |  |                  |

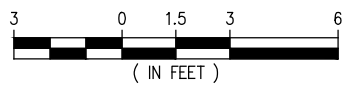


EXIST. GRADE EL. VARIES (+)8' TO (+)12'±

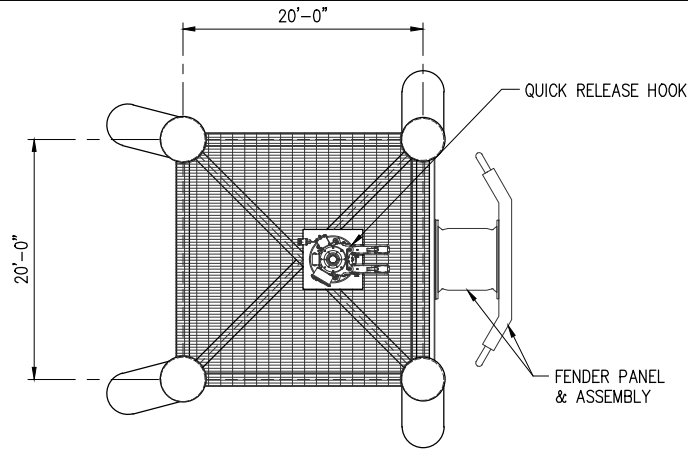
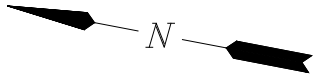
TIP EL. (-)60.0'

### NEW LANDSIDE PIPE RACK BENT

SCALE: 3/16"=1'-0"

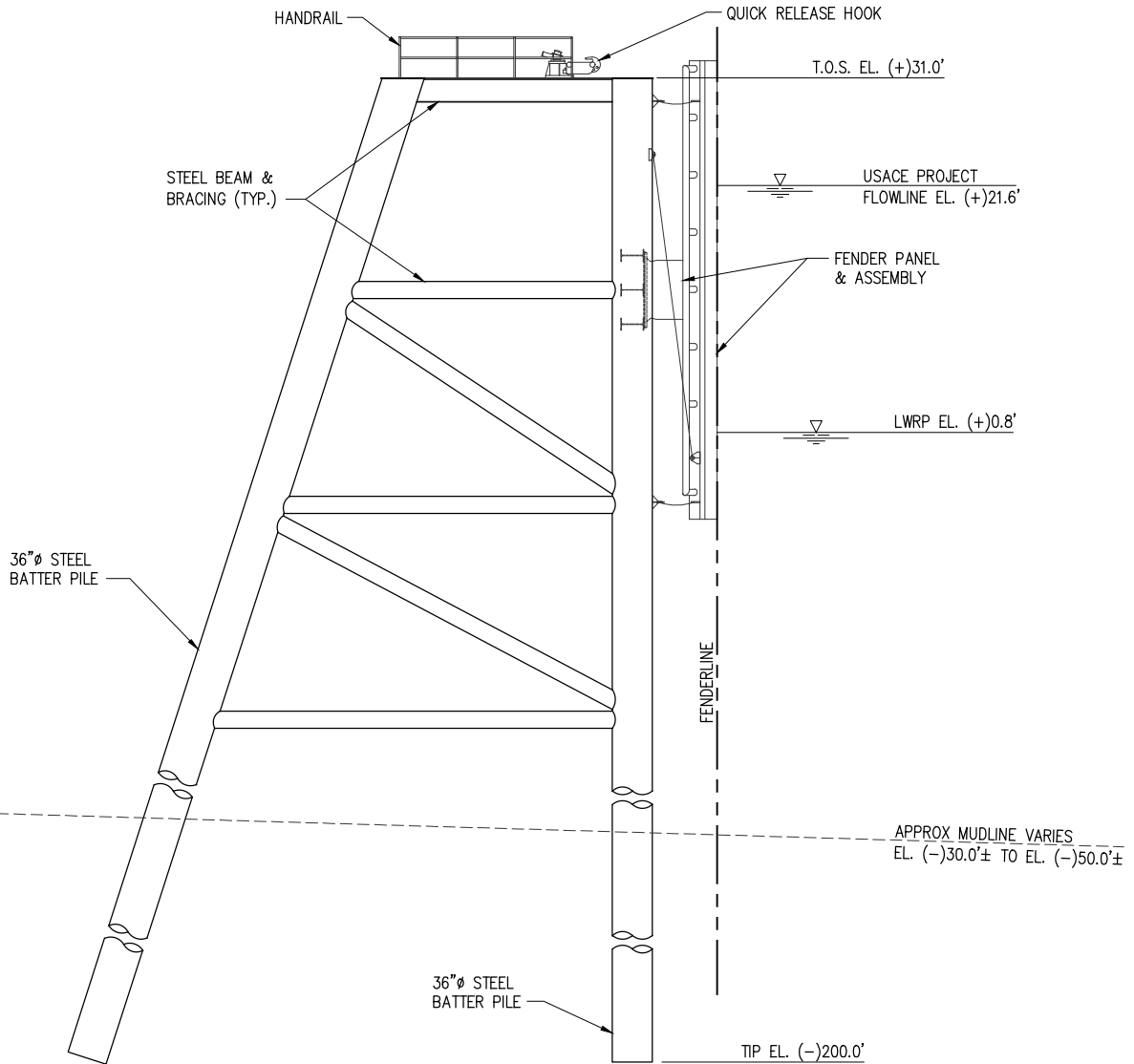


|                                      |  |   |   |          |
|--------------------------------------|--|---|---|----------|
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|                                      | <b>LANIER &amp; ASSOCIATES</b><br><b>CONSULTING ENGINEERS</b><br>INCORPORATED    |   | ST. ROSE <span style="margin-left: 150px;">IMTT</span> <span style="margin-left: 150px;">LOUISIANA</span> |          |
|                                      | LA: EF-1120      TX: F-2981<br>NEW ORLEANS • BEAUMONT • CORPUS CHRISTI • HOUSTON |   | <b>BLUE AMMONIA PROJECT</b><br><b>TYPICAL LANDSIDE PIPE RACK BENT</b><br><b>ELEVATION</b>                 |          |
|                                      |  | DATE <u>JULY 2023</u><br>DESIGN <u>JPL</u><br>DRAWN <u>TPM</u><br>CHECK <u>JDM</u><br>JOB NO <u>12512</u><br>SHEET No.<br><b>A-37 OF A-42</b> |   |          |



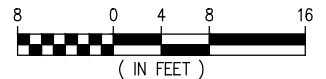
### SHIP BREASTING DOLPHIN - PLAN

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



### SHIP BREASTING DOLPHIN - ELEVATION

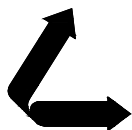
SCALE: 1/16"=1'-0"



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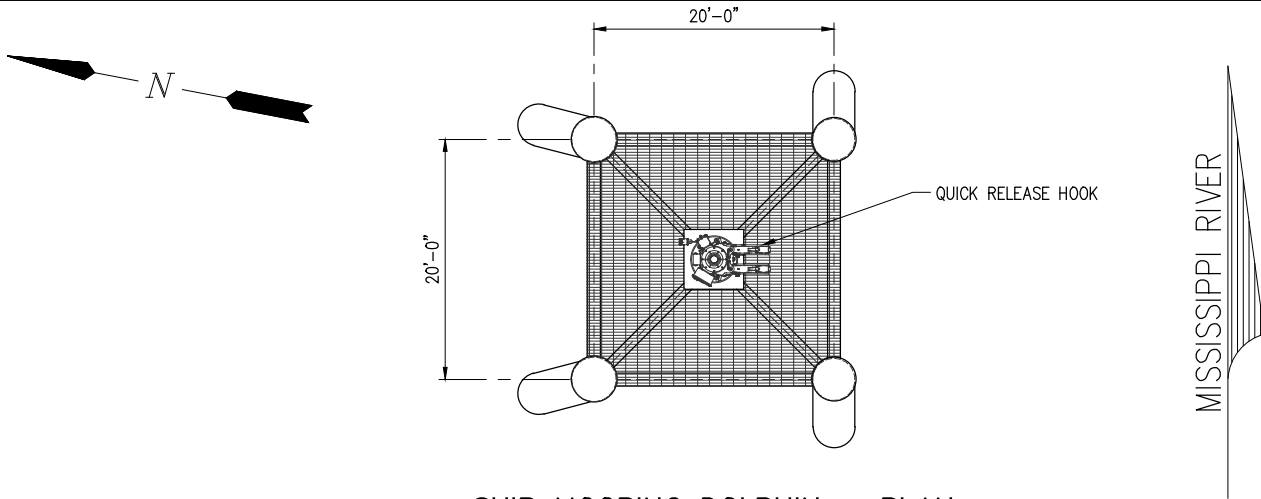
ST. ROSE

IMTT

LOUISIANA

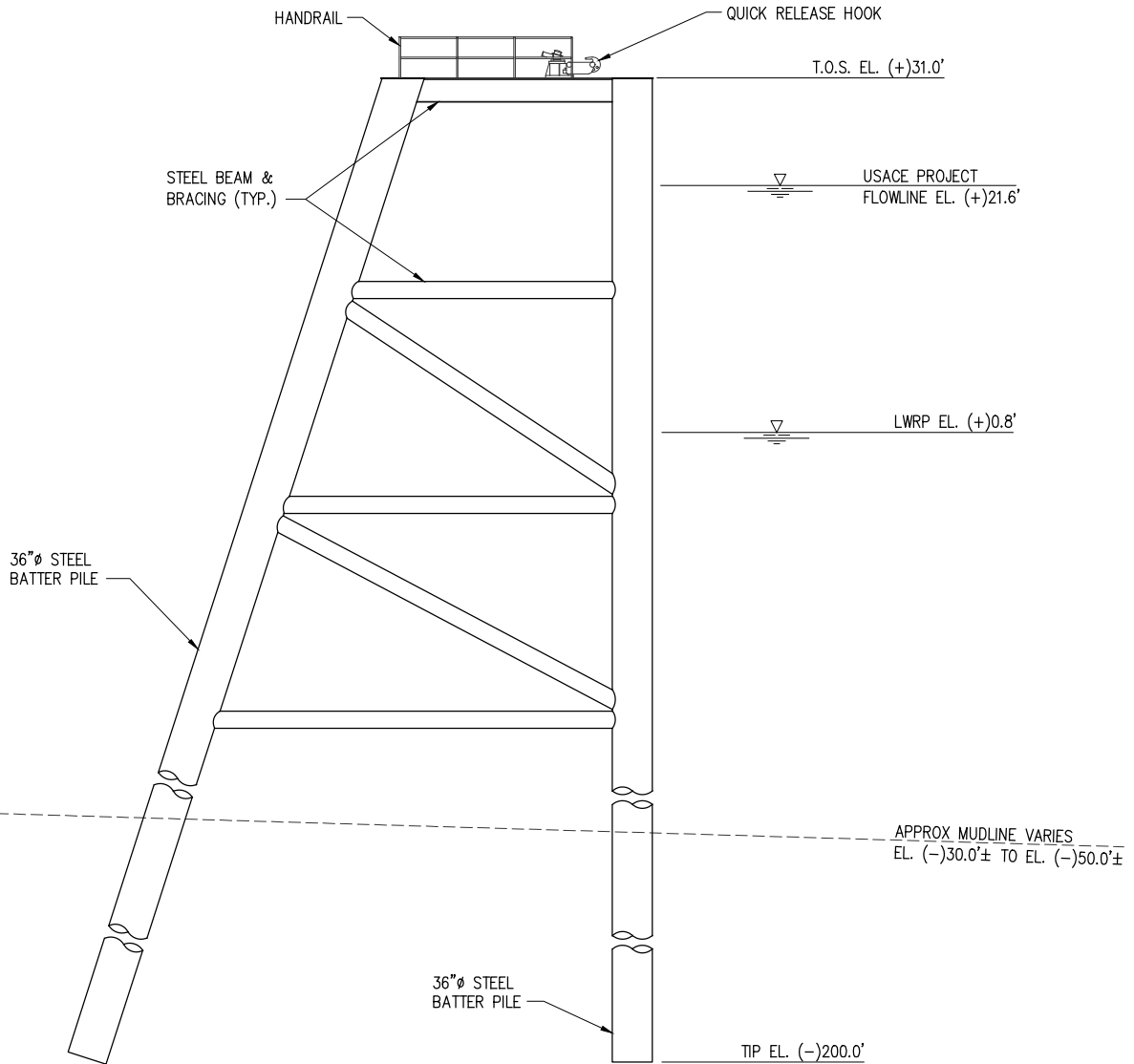
**BLUE AMMONIA PROJECT**  
**SHIP BREASTING DOLPHIN**  
**PLAN & ELEVATION**

|           |              |
|-----------|--------------|
| DATE      | JULY 2023    |
| DESIGN    | JPL          |
| DRAWN     | TPM          |
| CHECK     | JDM          |
| JOB NO    | 12512        |
| SHEET No. | A-38 of A-42 |



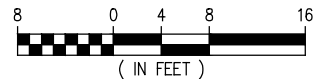
### SHIP MOORING DOLPHIN - PLAN

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



### SHIP MOORING DOLPHIN - ELEVATION

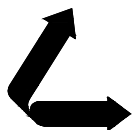
SCALE: 1/16"=1'-0"



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**BLUE AMMONIA PROJECT**  
**SHIP MOORING DOLPHIN**  
**PLAN & ELEVATION**

DATE JULY 2023

DESIGN JPL

DRAWN TPM

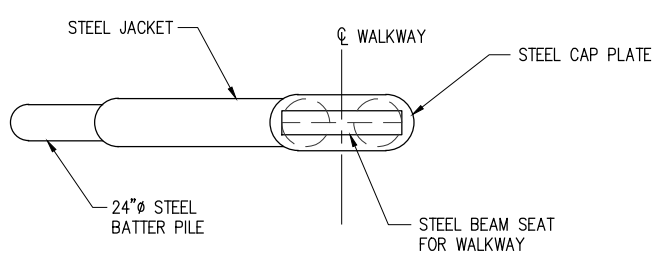
CHECK JDM

JOB NO 12512

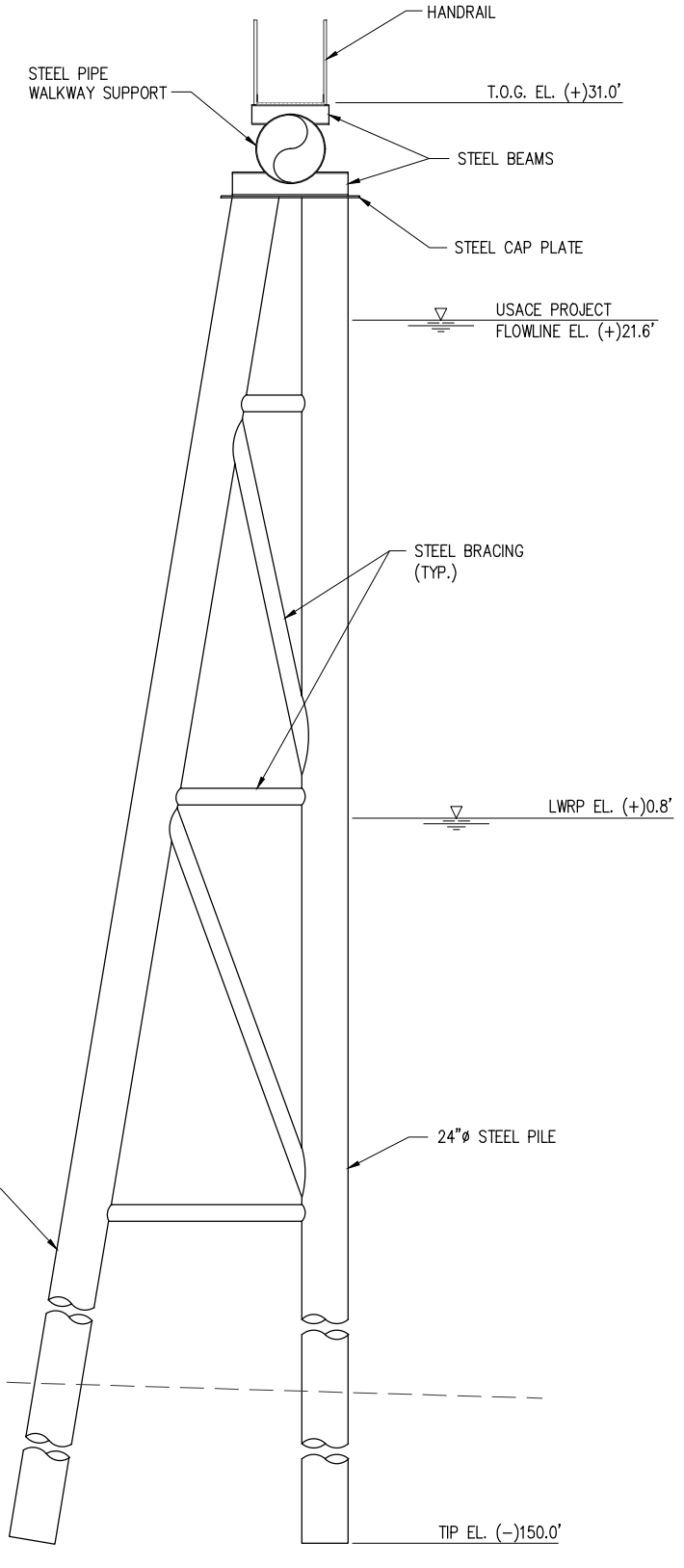
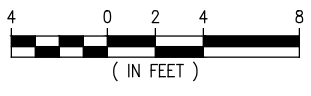
SHEET No.

A-39 of A-42

9/27/2023 4:20 PM



**TYPICAL WALKWAY BENT – PLAN**  
SCALE: 1/8"=1'-0"



**TYPICAL WALKWAY BENT – ELEVATION**  
SCALE: 1/8"=1'-0"

J:\120005\12512 IMTT PROJ BLUE CON STUDY\DRAWINGS\PERMIT\12512-P23.DWG

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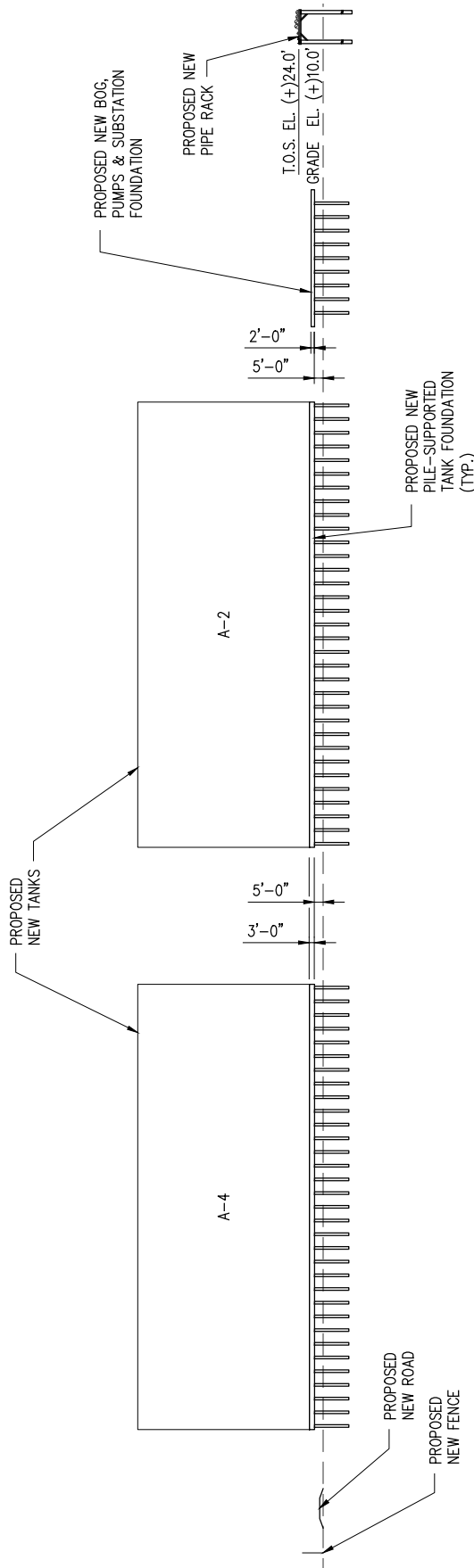
PRELIMINARY - FOR PERMITTING PURPOSES ONLY, NOT FOR CONSTRUCTION

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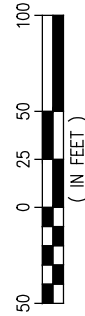
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|   |      |           |
|---|------|-----------|
| ST. ROSE  | IMTT | LOUISIANA |
| <b>BLUE AMMONIA PROJECT</b><br><b>TYPICAL WALKWAY BENT</b><br><b>PLAN &amp; ELEVATION</b> |      |           |

|           |              |
|-----------|--------------|
| DATE      | JULY 2023    |
| DESIGN    | JPL          |
| DRAWN     | TPM          |
| CHECK     | JDM          |
| JOB NO.   | 12512        |
| SHEET No. | A-40 OF A-42 |



**SECTION A**  
SCALE: 1"=100'



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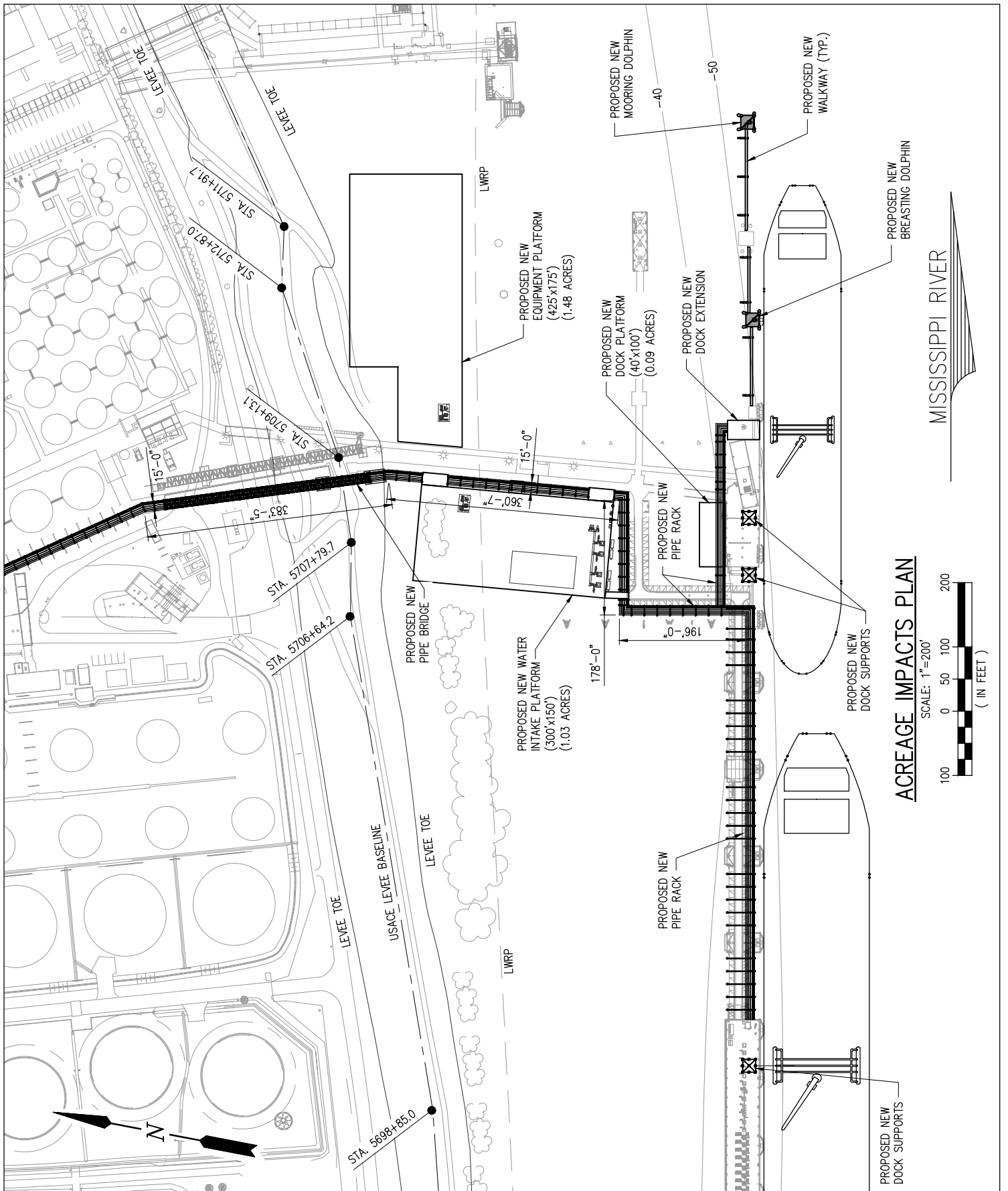
ST. ROSE

IMTT

LOUISIANA

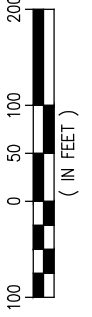
BLUE AMMONIA PROJECT  
NEW TANK AREA  
SECTION

DATE AUG. 2023  
DESIGN JPL  
DRAWN JLG  
CHECK JDM  
JOB NO 12512  
SHEET No.  
A-41 of A-42



**ACREAGE IMPACTS PLAN**

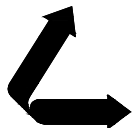
SCALE: 1"=200'



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ST. ROSE

IMTT

LOUISIANA

**BLUE AMMONIA PROJECT**  
**ACREAGE IMPACTS PLAN**

|           |              |
|-----------|--------------|
| DATE      | JULY 2023    |
| DESIGN    | JPL          |
| DRAWN     | TPM          |
| CHECK     | JDM          |
| JOB NO.   | 12512        |
| SHEET No. | A-42 of A-42 |