



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

July 10, 2023

Regulatory Division  
Central Evaluation Branch

Project Manager  
Kenny Blanke  
(504) 862-1217  
Kenneth.G.Blanke@usace.army.mil

Application #: MVN-2016-01526-CQ

## **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: [ ] 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 [ ] Section 14 of the Rivers and Harbors Act of 1899 (33 U.S.C. Section 408).

### **EXPANSION OF EXISTING PETROCHEMICAL PLANT COMPLEX NEAR PLAQUEMINE IN IBERVILLE PARISH**

**NAME OF APPLICANT:** Shintech Louisiana, LLC, c/o: Providence Engineering and Environmental Group, LLC., attn.: Ms. Regina Staten, 1201 Main Street., Baton Rouge, Louisiana 70802

**LOCATION OF WORK:** Located on an approximate 494.65-acre site, located along and northwest of LA Hwy 405 (River Road), approximately 5.3 miles southeasterly of Plaquemine, in Iberville Parish, within the Terrebonne Basin in hydrologic unit (HUC 08070300), as shown on the attached drawings (Latitude 30.230837 N, Longitude -91.164814 W).

**CHARACTER OF WORK:** The applicant has requested a modification to an existing Department of the Army authorization to clear, grade, excavate and deposit fill to two new petrochemical facilities to be incorporated into the existing, previously authorized Shintech Plaquemine Plant Complex (SPP), located along the west bank of the Mississippi River, near river mile 197. The two new facilities, Shintech Plaquemine Plant-4 (SPP-4) and Plaquemine Ethylene Plant-2 (PEP-2), would be added to the existing SPP to increase production of vinyl chloride monomer, polymer grade ethylene, and other intermediate products (chlorine, caustic soda, and ethylene dichloride). The project also proposes construction of appurtenant supporting structures such as: bulk truck loading/unloading areas, railcar loading/unloading areas, on-site utilities, steam-generating units, spherical storage tanks, and a wastewater treatment facility. Approximately 534,700 cubic yards of clean soil fill material, 544,600 cubic yards of gravel, and 244,900 cubic yards of concrete would be hauled in limestone would be placed as fill material in jurisdictional areas. The proposed permit modification would impact approximately 3.75 acres of jurisdictional Other Waters of the US from fill placement. All previous wetland impacts that were associated with the original permit authorization have been mitigated for at

mitigation banks. The applicant proposes to utilize best management practices for erosion and siltation control during and after the construction phase of the project. The applicant claims that the proposed project has been designed to avoid and minimize direct and secondary adverse impacts to the maximum extent practicable and has limited the new impacts associated with this project to jurisdictional Other Waters of the US. If authorized, the project will receive approval from all appropriate local drainage authorities and sewerage agencies. Compensatory mitigation has determined to not be required at this time due to the project expansion not proposing to impact jurisdictional wetlands.

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

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

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

The U.S. Army Corps of Engineers is soliciting comments from the public, federal, state, and local agencies and officials, Indian Tribes, and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the U.S. Army Corps of Engineers to determine whether to make, modify, condition, or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

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

Our initial finding is that the proposed work would neither affect any species listed as endangered by the U.S. Departments of Interior or Commerce, nor affect any habitat designated as critical to the survival and recovery of any endangered species. Based on the Information Planning and Consultation (IPaC) tool for Endangered Species in Louisiana, as signed on January 27, 2020, between the U.S. Army Corps of Engineers, New Orleans and the U.S. Fish and Wildlife Service, it has been determined that the project would have no effect to any listed species.

This notice initiates the Essential Fish Habitat (EFH) consultation requirements of the Magnuson-Stevens Fishery Conservation and Management Act. The applicant's proposal may result in the destruction, alteration, and/or disturbance of **0 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.

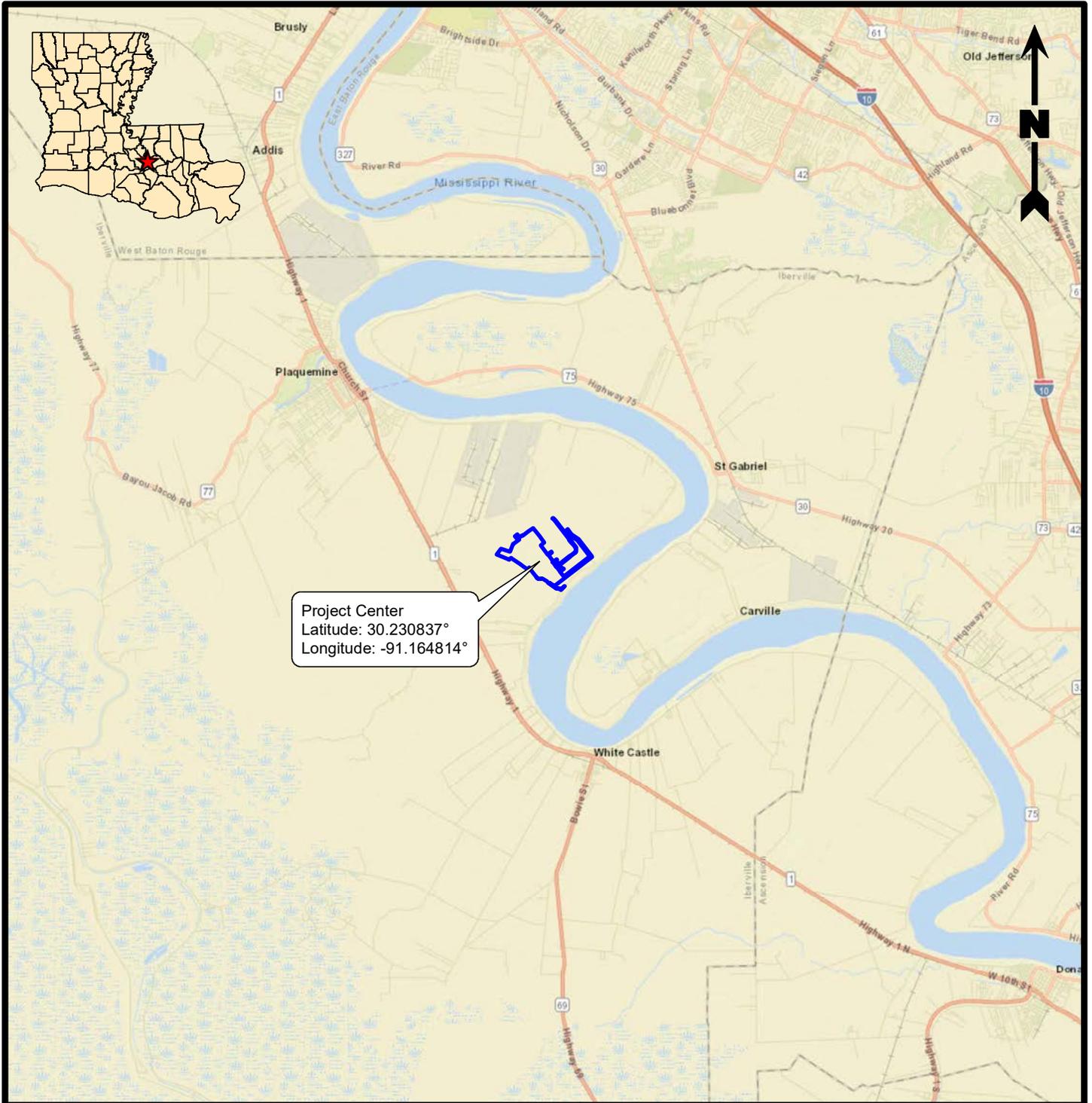
If the proposed work involves deposits of dredged or fill material into navigable waters, the evaluation of the probable impacts will include the application of guidelines established by the Administrator of the Environmental Protection Agency. ***Also, a certification that the proposed activity will 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.

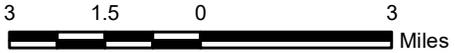
You are invited to communicate the information contained in this notice to any other parties whom you deem likely to have interest in the matter.

John M. Herman  
Chief, Central Evaluation Branch  
Regulatory Division

Enclosures



Project Center  
 Latitude: 30.230837°  
 Longitude: -91.164814°



**Legend**

Proposed SPP-4 and PEP-2 Facility Project Boundary (494.65 Acres)

**Reference**

Base map comprised of ESRI StreetMap USA data.

**Vicinity Map**

Section 404 Permit Application  
 Plaquemine, Iberville Parish, Louisiana

**Shintech Louisiana, LLC**  
 SPP-4 and PEP-2 Facility Expansion Project



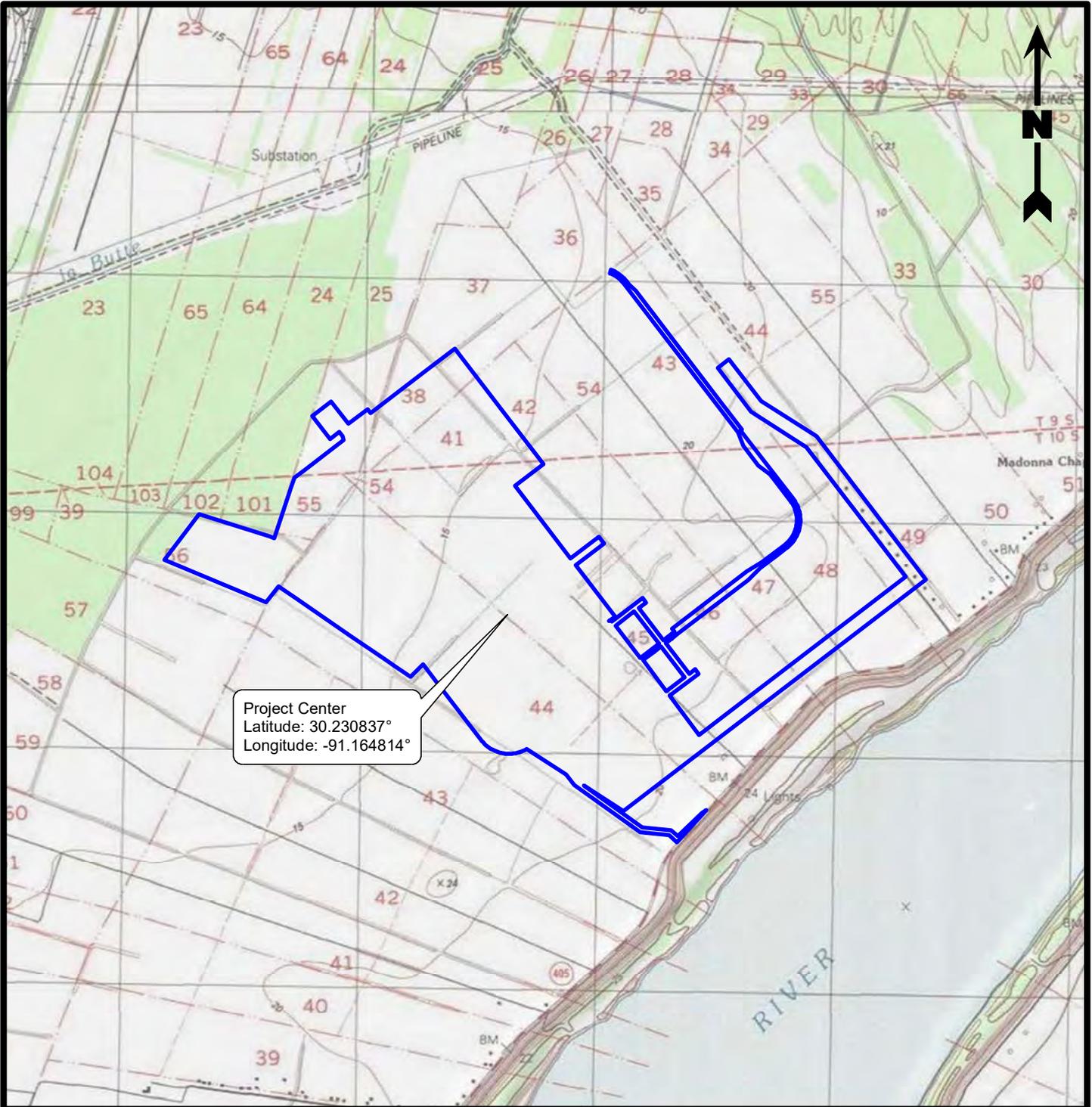
**PROVIDENCE**

Drawn By	LMM	03/08/23
Checked By	RPC	03/08/23
Approved By	RS	03/08/23

Project Number	039-147-001
Drawing Number	039-147-001-A028

1

Figure



**Legend**

Proposed SPP-4 and PEP-2 Facility Project Boundary (494.65 Acres)

**Reference**

Base map comprised of United States Geological Survey 7.5-minute topographic maps, "Plaquemine, LA" and "White Castle, LA".

**Site Location Map**

Section 404 Permit Application  
Plaquemine, Iberville Parish, Louisiana

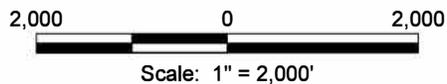
**Shintech Louisiana, LLC**  
SPP-4 and PEP-2 Facility Expansion Project



**PROVIDENCE**

Drawn By	LMM	03/29/23
Checked By	RPC	03/29/23
Approved By	RS	03/29/23

Project Number	<b>2</b> Figure
039-147-001	
Drawing Number	
039-147-001-A022	



**Legend**

- Existing SPP-3 Expansion Boundary (850 Acres)
- Proposed SPP-4 and PEP-2 Facility Project Boundary (494.65 Acres)
- Previously Permitted (MVN-2016-01526-CQ)
- Proposed Features
- Impacted Other Waters of The U.S. (3.75 Acres)
- 

**Reference**

Base map comprised of client provided drawing titled: "PEP-2 & SPP-4 Fill Material for Construction", dated: 12/02/22. Drawing No. LPG3-00000-20.

**Site Plan**

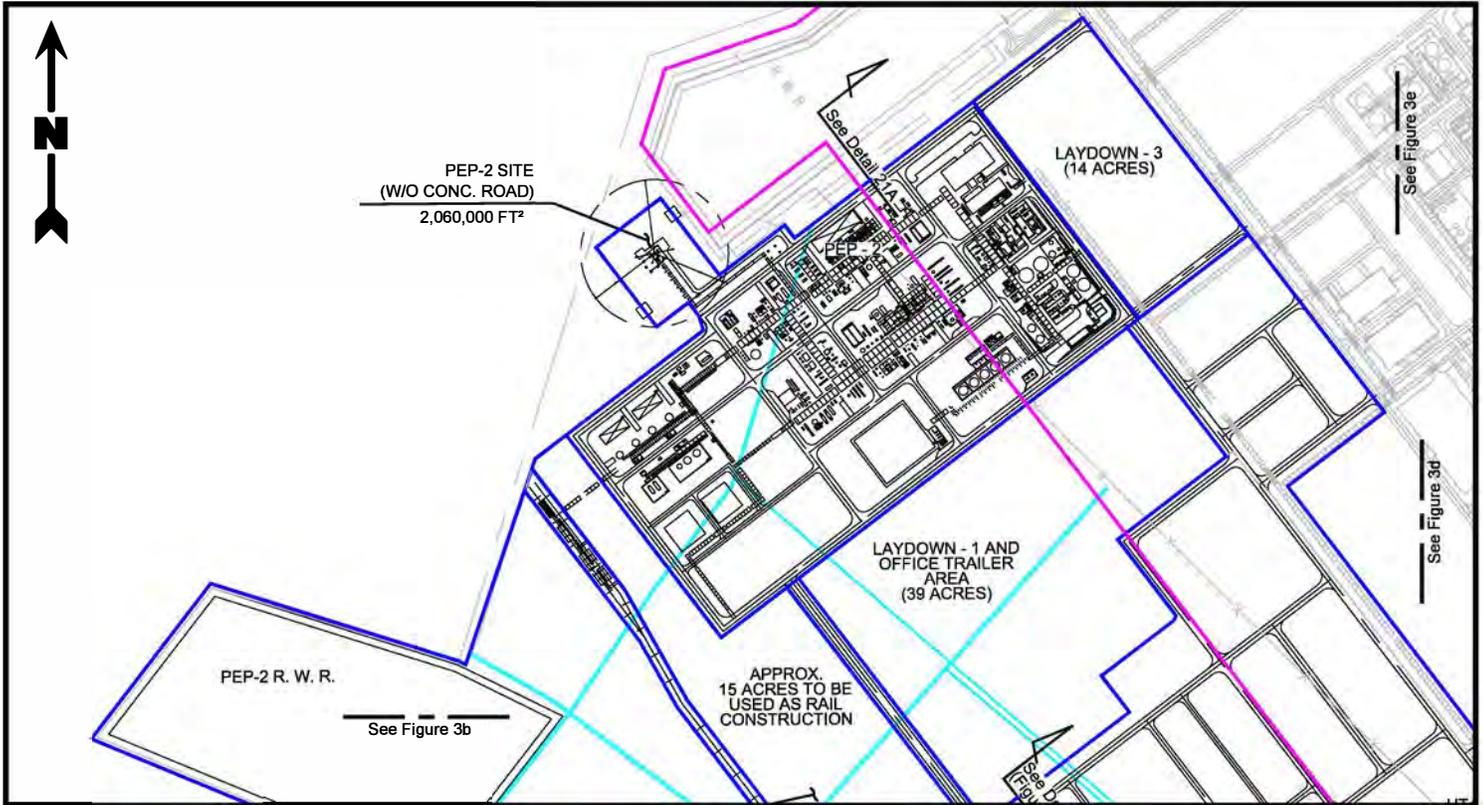
**Section 404 Permit Application**  
Plaquemine, Iberville Parish, Louisiana

**Shintech Louisiana, LLC**  
SPP-4 and PEP-2 Facility Expansion Project



Drawn By	LMM	03/29/23
Checked By	RPC	03/29/23
Approved By	RS	03/29/23

Project Number	<b>3</b>
039-147-001	
Drawing Number	Figure
039-147-001-A021	

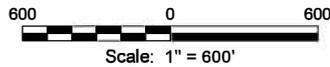


**Legend**

- Existing SPP-3 Expansion Boundary (850 Acres)
- Proposed SPP-4 and PEP-2 Facility Project Boundary (494.65 Acres)
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- Proposed Features
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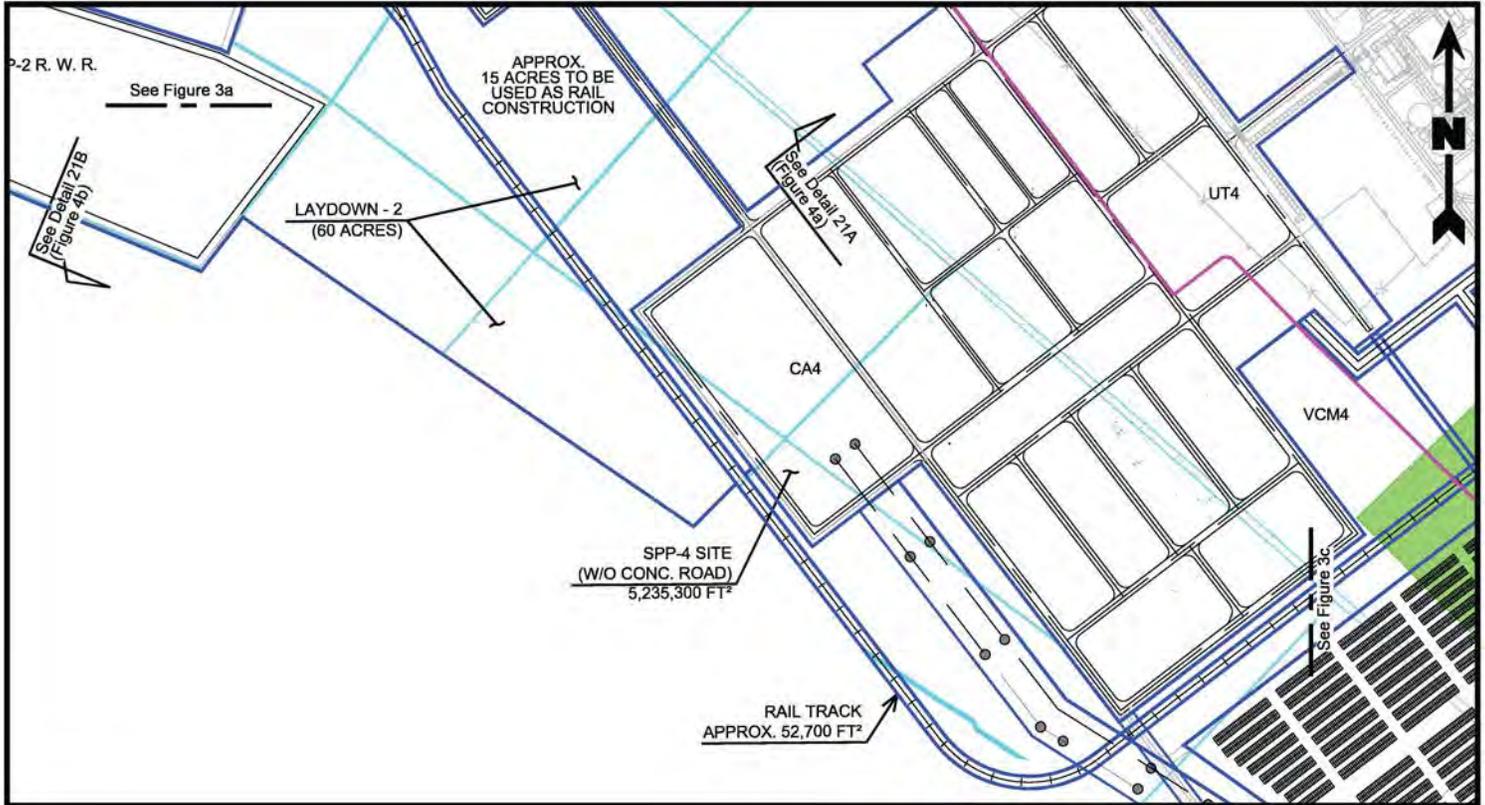
**Site Plan**

**Section 404 Permit Application**  
Plaquemine, Iberville Parish, Louisiana

**Shintech Louisiana, LLC**  
SPP-4 and PEP-2 Facility Expansion Project



Drawn By	LMM	03/29/23
Checked By	RPC	03/29/23
Approved By	RS	03/29/23
Project Number		<b>3a</b> Figure
039-147-001		
Drawing Number		
039-147-001-A016		

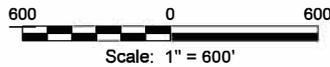


**Legend**

- Existing SPP-3 Expansion Boundary (850 Acres)
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- Previously Permitted (MVN-2016-01526-CQ)
- Proposed Features
- Impacted Other Waters of The U.S. (3.75 Acres)
- 

**Reference**

Base map comprised of client provided drawing titled: "PEP-2 & SPP-4 Fill Material for Construction", dated: 12/02/22. Drawing No. LPG3-00000-20.



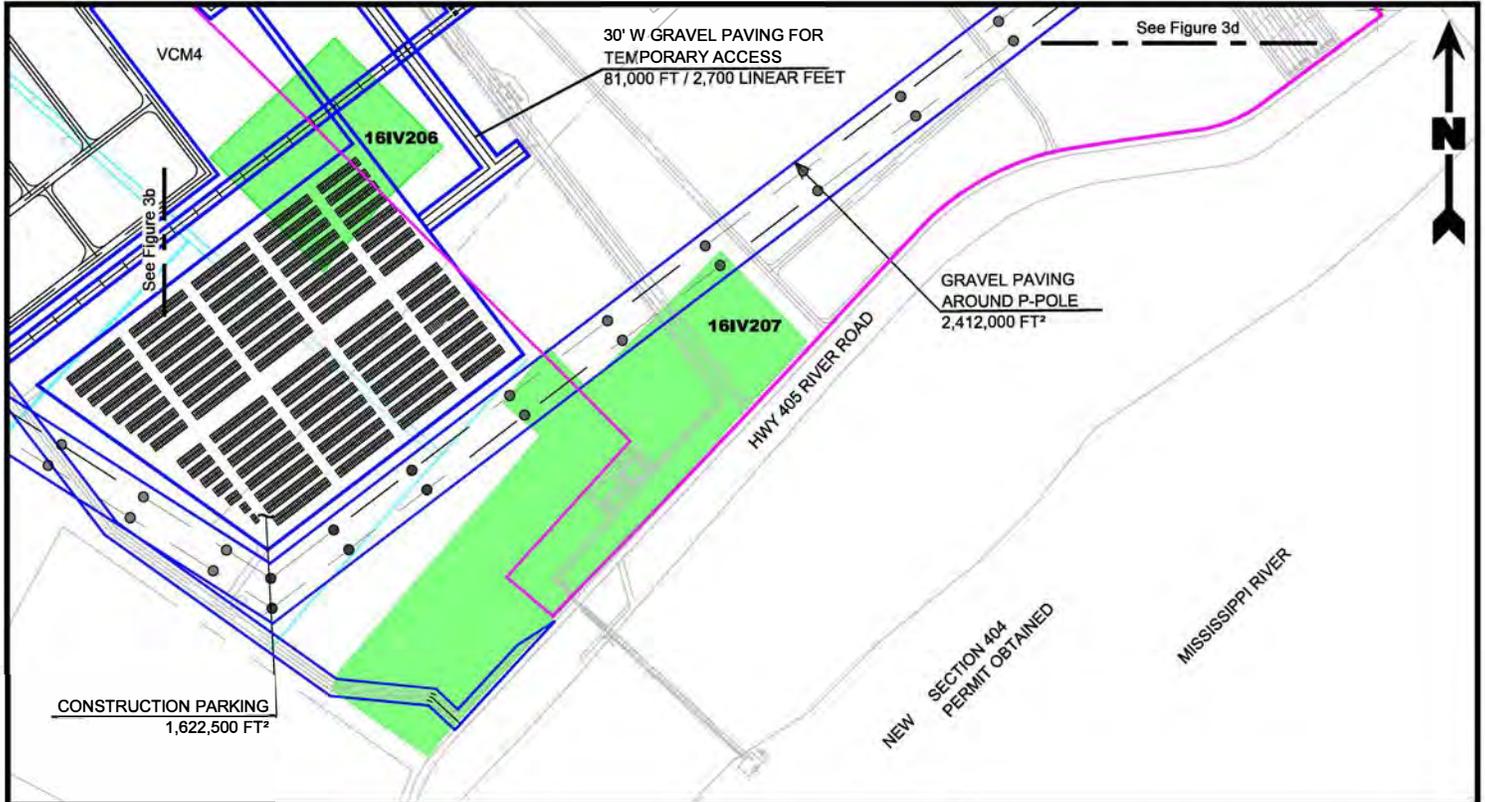
**Site Plan**

**Section 404 Permit Application**  
 Plaquemine, Iberville Parish, Louisiana

**Shintech Louisiana, LLC**  
 SPP-4 and PEP-2 Facility Expansion Project



Drawn By	LMM	03/29/23
Checked By	RPC	03/29/23
Approved By	RS	03/29/23
Project Number		<b>3b</b>
039-147-001		
Drawing Number		Figure
039-147-001-A017		

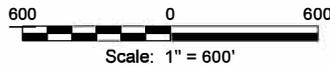


**Legend**

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- Proposed Features
- Impacted Other Waters of The U.S. (3.75 Acres)
- 

**Reference**

Base map comprised of client provided drawing titled: "PEP-2 & SPP-4 Fill Material for Construction", dated: 12/02/22. Drawing No. LPG3-00000-20.



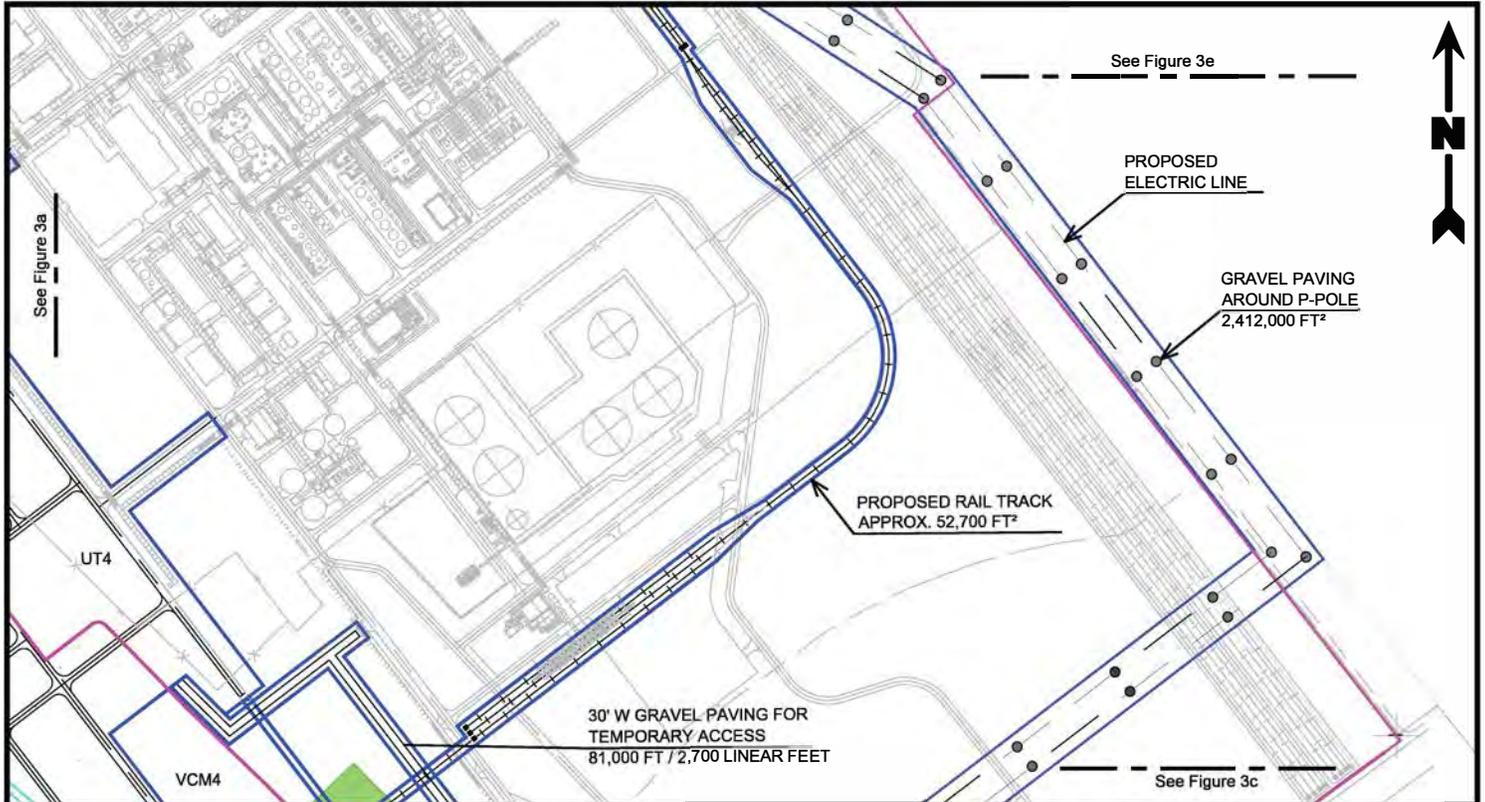
**Site Plan**

**Section 404 Permit Application**  
Plaquemine, Iberville Parish, Louisiana

**Shintech Louisiana, LLC**  
SPP-4 and PEP-2 Facility Expansion Project



Drawn By	LMM	03/29/23
Checked By	RPC	03/29/23
Approved By	RS	03/29/23
Project Number		<b>3c</b> Figure
039-147-001		
Drawing Number		
039-147-001-A018		

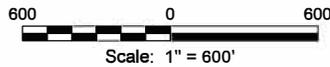


**Legend**

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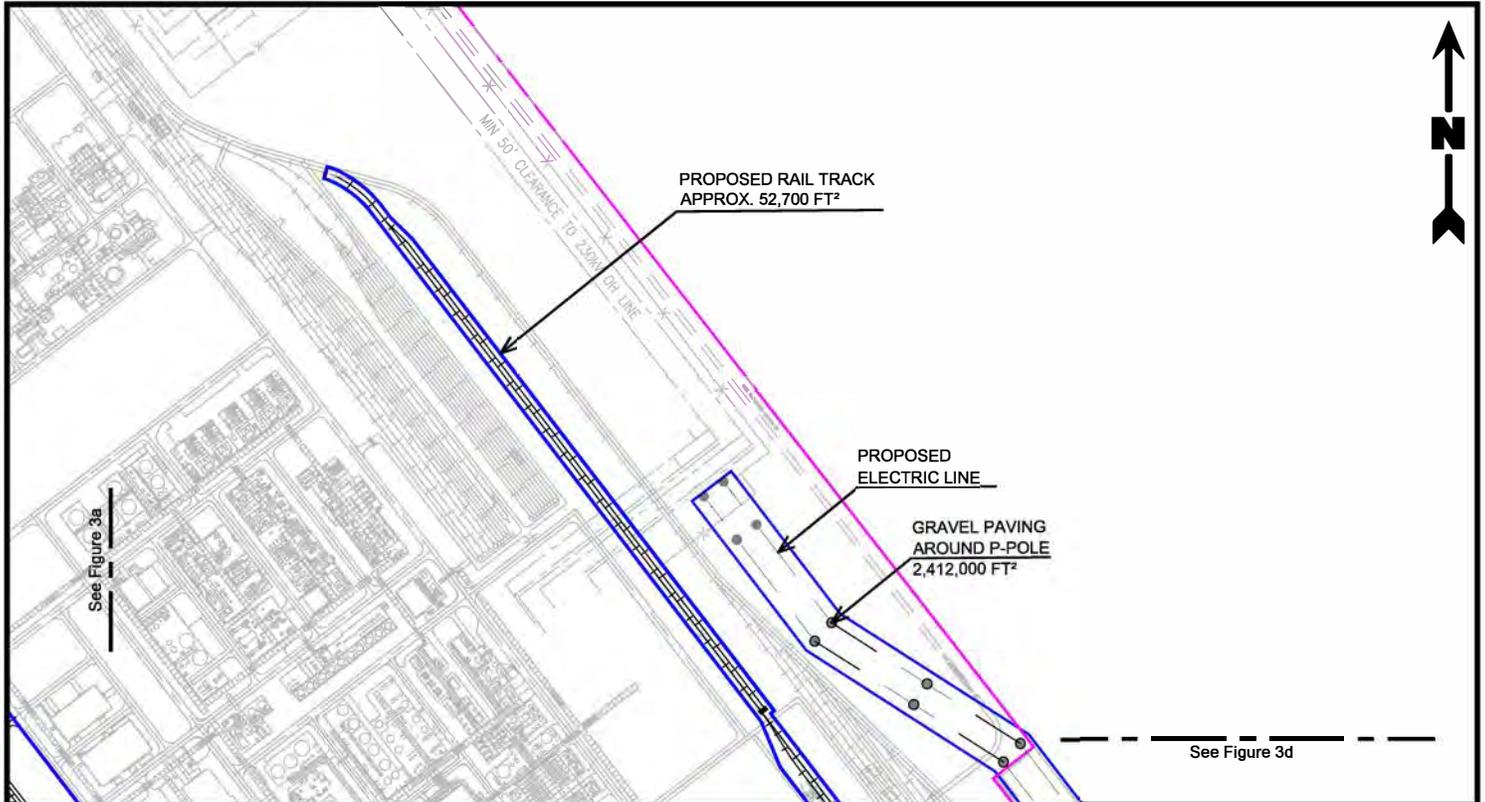
**Site Plan**

**Section 404 Permit Application**  
 Plaquemine, Iberville Parish, Louisiana

**Shintech Louisiana, LLC**  
 SPP-4 and PEP-2 Facility Expansion Project



Drawn By	LMM	03/29/23
Checked By	RPC	03/29/23
Approved By	RS	03/29/23
Project Number		<b>3d</b>
039-147-001		
Drawing Number		Figure
039-147-001-A019		

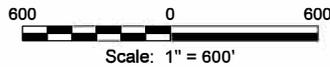


### Legend

- Existing SPP-3 Expansion Boundary (850 Acres)
- Proposed SPP-4 and PEP-2 Facility Project Boundary (494.65 Acres)
- Previously Permitted (MVN-2016-01526-CQ)
- Proposed Features
- Impacted Other Waters of The U.S. (3.75 Acres)

### Reference

Base map comprised of client provided drawing titled: "PEP-2 & SPP-4 Fill Material for Construction", dated: 12/02/22. Drawing No. LPG3-00000-20.



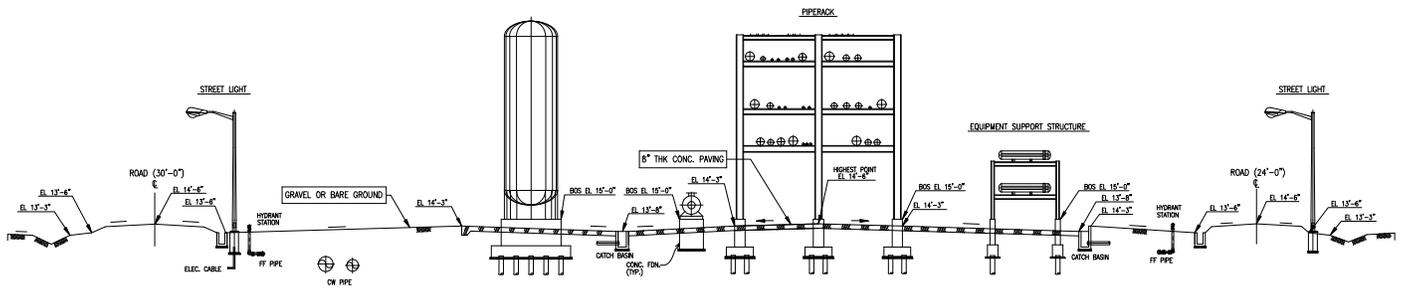
### Site Plan

**Section 404 Permit Application**  
Plaquemine, Iberville Parish, Louisiana

**Shintech Louisiana, LLC**  
SPP-4 and PEP-2 Facility Expansion Project



Drawn By	LMM	03/29/23
Checked By	RPC	03/29/23
Approved By	RS	03/29/23
Project Number		<b>3e</b>
039-147-001		
Drawing Number		Figure
039-147-001-A020		

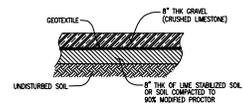


**Detail 21A**

Not to Scale

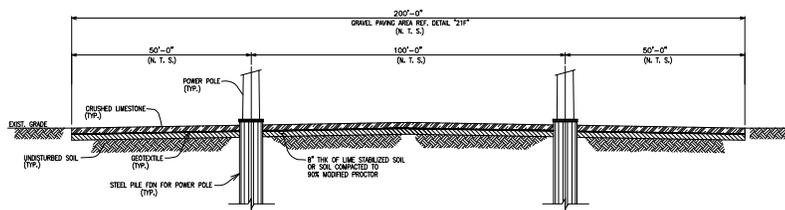
**Notes**

1. Elevations shown are based on existing grade at EL11.5'.
2. The elevation to be changed per the existing grade elevation by area survey, but the elevation relation per each facilities not to be changed.



**Typical Gravel Paving Detail**

Not to Scale



**Typical Paving Around Power Pole Detail**

Not to Scale

Not to Scale

**Details**

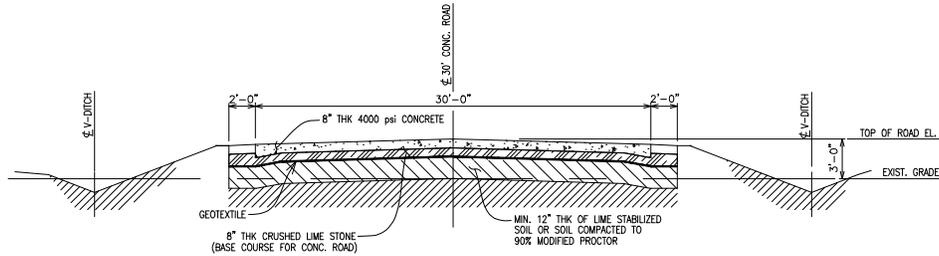
Section 404 Permit Application  
Plaquemine, Iberville Parish, Louisiana

**Shintech Louisiana, LLC**  
SPP-4 and PEP-2 Facility Expansion Project



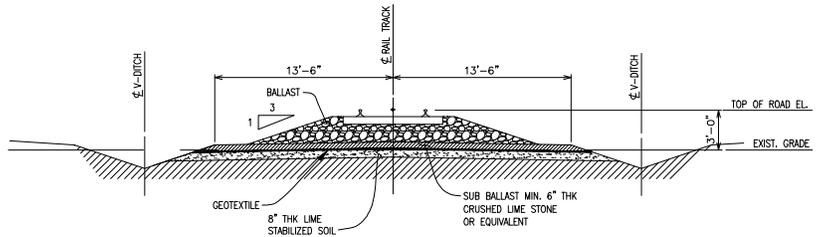
Drawn By	LMM	03/08/23
Checked By	RPC	03/08/23
Approved By	RS	03/08/23
Project Number	039-147-001	
Drawing Number	039-147-001-A024	

**4a**  
Figure



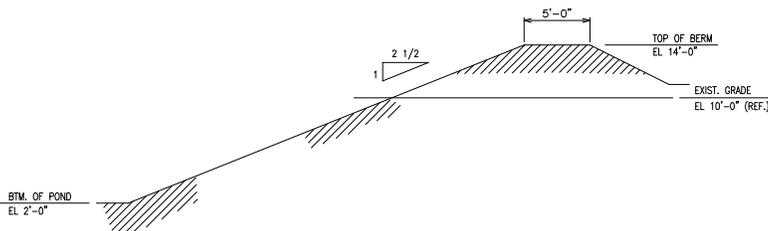
**Typical Concrete Road Section**

Not to Scale



**Typical Rail Track Section**

Not to Scale



**Detail 21B  
Pond Section For PEP-2 R.W.R.**

Not to Scale

Not to Scale

**Notes**

1. Elevations shown are based on existing grade at EL11.5'.
2. The elevation to be changed per the existing grade elevation by area survey, but the elevation relation per each facilities not to be changed.

**Sections**

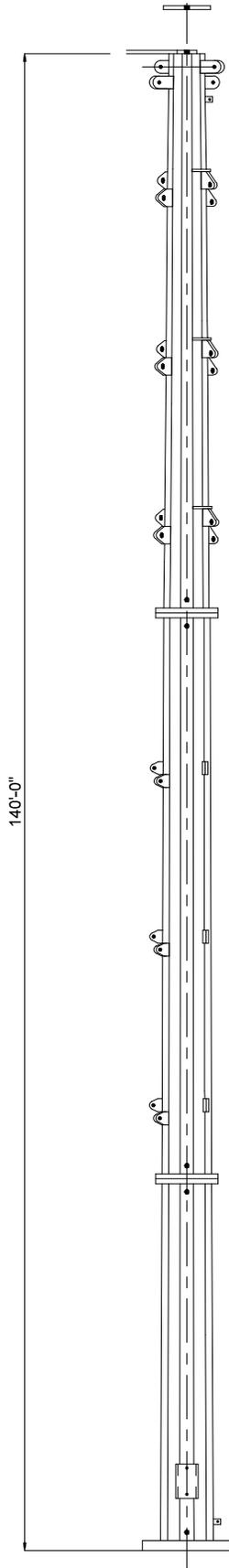
Section 404 Permit Application  
Plaquemine, Iberville Parish, Louisiana

**Shintech Louisiana, LLC**

SPP-4 and PEP-2 Facility Expansion Project



Drawn By	LMM	03/08/23
Checked By	RPC	03/08/23
Approved By	RS	03/08/23
Project Number 039-147-001		<b>4b</b> Figure
Drawing Number 039-147-001-A025		



**Transformer Pole Cross Section**

Not to Scale

**Transformer Pole  
Cross-Section**

Section 404 Permit Application  
Plaquemine, Iberville Parish, Louisiana

**Shintech Louisiana, LLC**  
SPP-4 and PEP-2 Facility Expansion Project



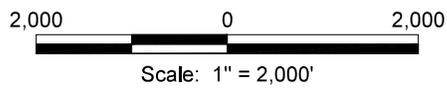
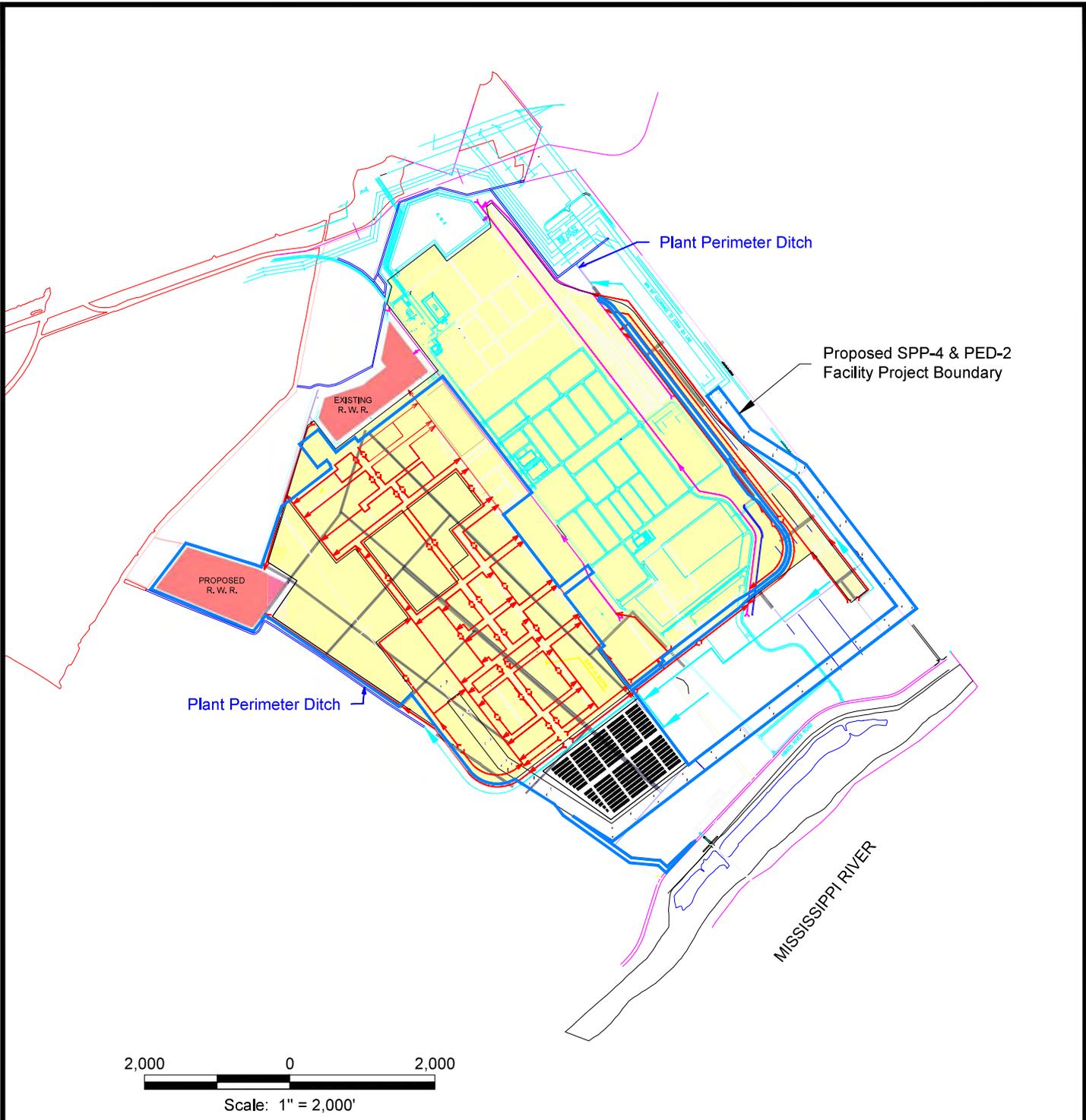
**PROVIDENCE**

Drawn By	LMM	03/08/23
Checked By	RPC	03/08/23
Approved By	RS	03/08/23

Project Number	039-147-001
Drawing Number	039-147-001-A026

**4c**

Figure



**Legend**

- Existing U.S. Water Ditch
- New Ditch for New Plant
- New U.S. Water Ditch
- Existing Plant Ditch
- U.S. Water Ditch to be Backfill
- Area Associated with Industrial Activity

**Reference**

Base map comprised of client provided drawing titled: "PEP-2 & SPP-4 Ditch Reroute Plan", dated: 02/06/23, drawing no: LPG3-00000-22.

**Drainage Map**

Section 404 Permit Application  
Plaquemine, Iberville Parish, Louisiana

**Shintech Louisiana, LLC**  
SPP-4 and PEP-2 Facility Expansion Project



**PROVIDENCE**

Drawn By	LMM	03/29/23
Checked By	RPC	03/29/23
Approved By	RS	03/29/23

Project Number	<b>5</b>
039-147-001	
Drawing Number	Figure
039-147-001-A027	