

JOINT PUBLIC NOTICE

August 28, 2017

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

State of Louisiana
Department of Environmental Quality
Office of Environmental Services
Post Office Box 4313
Baton Rouge, Louisiana 70821-4313

(504) 862-1217
Project Manager
Kenny Blanke
Kenneth.G.Blanke@usace.army.mil
MVN 2016-1526-CQ

(225) 219-3225
Project Manager
Ms. Elizabeth Hill
WQC Application Number
WQC 170821-01

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).

Application has also been made to the Louisiana Department of Environmental Quality, Office of Environmental Services, for a Water Quality Certification (WQC) in accordance with statutory authority contained in LRS30:2074 A(3), and provisions of Section 401 of the Clean Water Act (P.L.95-17).

INSTALLATION OF A 20-INCH BRINE PIPELINE, CONSTRUCTION OF A NEW COMMERCIAL INDUSTRIAL FACILITY AND EXPANSION OF EXISTING FACILITY IN IBERVILLE PARISH

NAME OF APPLICANT: Shintech Louisiana, LLC, c/o Providence Engineering, Attn: Paul Clifton, 1201 Main Street, Baton Rouge, Louisiana 70802.

LOCATION OF WORK: Located on an approximate 817.42-acre site, located approximately 3.9 miles southeast of Plaquemine, Louisiana, located in Iberville Parish, as shown on the enclosed drawings (Latitude 30.238053 N Longitude -91.1602297 W). This project is located in the Terrebonne Basin (Lower Grand HUC 08070300).

CHARACTER OF WORK: The applicant is requesting a Department of the Army permit authorization for the construction of the new Shintech Plaquemine Plant-3 (SPP-3) and expansion/modification of the existing Shintech Plaquemine Plant-1 (SPP-1). Both facilities would be integrated into the Shintech Plaquemine Plant Complex on the west bank of the Mississippi River, near Plaquemine, Iberville Parish, Louisiana. SPP-3 is a proposed manufacturing facility that would produce vinyl chloride monomer (VCM) and other intermediate products such as chlorine (caustic soda as a byproduct of chlorine production) and ethylene dichloride. Purified VCM is then sent to SPP-1 or shipped to produce polyvinyl chloride (PVC). SPP-3 also would contain a hydrochloric acid production unit. The proposed modification of SPP-1 would allow for the expansion of the PVC facility production. With this project's implementation, the PVC production would increase from 1,400 million pounds per year to 2,215 million pounds per year. This project also proposes the installation and maintenance of an approximate 11.5-mile long 20-inch diameter brine pipeline extending from the existing White Castle Oil and Gas facility to the Shintech Plaquemine Plant Complex. Approximately 76,581

cubic yards of native material would be placed in jurisdictional areas during the brine pipeline installation. Approximately 466,065 cubic yards of hauled in gravel/ballast material and 470,510 cubic yards of hauled in native soil fill material would be placed onsite in jurisdictional areas during the facility construction phase of this project. Approximately 34.9 acres of potentially jurisdictional herbaceous wetlands and 1.82 acres of potentially jurisdictional Other Waters of the United States (OWOUS) would be temporarily impacted as a result of the brine pipeline installation. Approximately 6.72 acres of potentially jurisdictional forested wetlands and 0.93 acre of potentially jurisdictional scrub-shrub wetlands would be permanently converted to herbaceous wetlands during the pipeline installation process. Approximately 6.52 acres of jurisdictional herbaceous wetlands, 10.47 acres of forested wetlands, and 0.22 acre of OWOUS would be permanently impacted via fill placement during the facility construction and expansion portions of this project. The applicant has claimed that the project has been designed to avoid and minimize direct and secondary adverse wetland impacts to the maximum extent practicable. The applicant is proposing to utilize best management practices during and after the construction phase of the project. A jurisdictional determination for the brine pipeline project area is currently pending in the Corps' Surveillance and Enforcement Section. If additional jurisdictional impacts are determined as a result of this determination, an addendum to this Public Notice shall be required. The applicant is proposing to compensate for the unavoidable impact by purchasing mitigation credits from an approved mitigation bank.

The comment period for the Department of Army Permit and the Louisiana Department of Environmental Quality will close in **20 days** from the date of this joint public notice. Written comments, including suggestions for modifications or objections to the proposed work, stating reasons thereof, are being solicited from anyone having interest in this permit and/or this WQC request and must be mailed so as to be received before or by the last day of the comment period. Letters concerning the Corps of Engineers permit application must reference the applicant's name and the Permit Application Number, and be mailed to the Corps of Engineers at the address above, **ATTENTION: REGULATORY BRANCH**. Similar letters concerning the Water Quality Certification must reference the applicant's name and the WQC application number and be mailed to the Louisiana Department of Environmental Quality at the address above. Individuals or parties may request an extension of time in which to comment on the proposed work by writing or e-mailing the Corps of Engineers Project Manager listed above. Any request 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 Section Chief will review the request and the requestor will be promptly notified of the decision to grant or deny the request. If granted, the time extension will be continuous to the initial comment period and, inclusive of the initial comment period, will not exceed a total of 30 calendar days.

The application for this proposed project is on file with the Louisiana Department of Environmental Quality and may be examined during weekdays between 8:00 a.m. and 4:30 p.m. Copies may be obtained upon payment of costs of reproduction.

Corps of Engineers Permit Criteria

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

The US 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 US Army Corps of Engineers to determine whether to make, modify, condition, or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

The New Orleans District is unaware of properties listed on the National Register of Historic Places near the proposed work. The possibility exists that the proposed work may damage or destroy presently unknown archeological, scientific, prehistorical, historical sites, or data. Copies of this notice are being sent to the State Archeologist and State Historic Preservation Officer.

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. Utilizing Standard Local Operating Procedure for Endangered Species in Louisiana (SLOPES), dated October 22, 2014, between the U.S. Army Corps of Engineers, New Orleans and U.S. Fish and Wildlife Service, Ecological Services Office, the Corps has determined that the proposed activity would have no effect on any listed species.

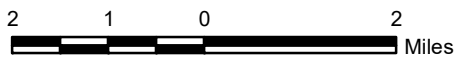
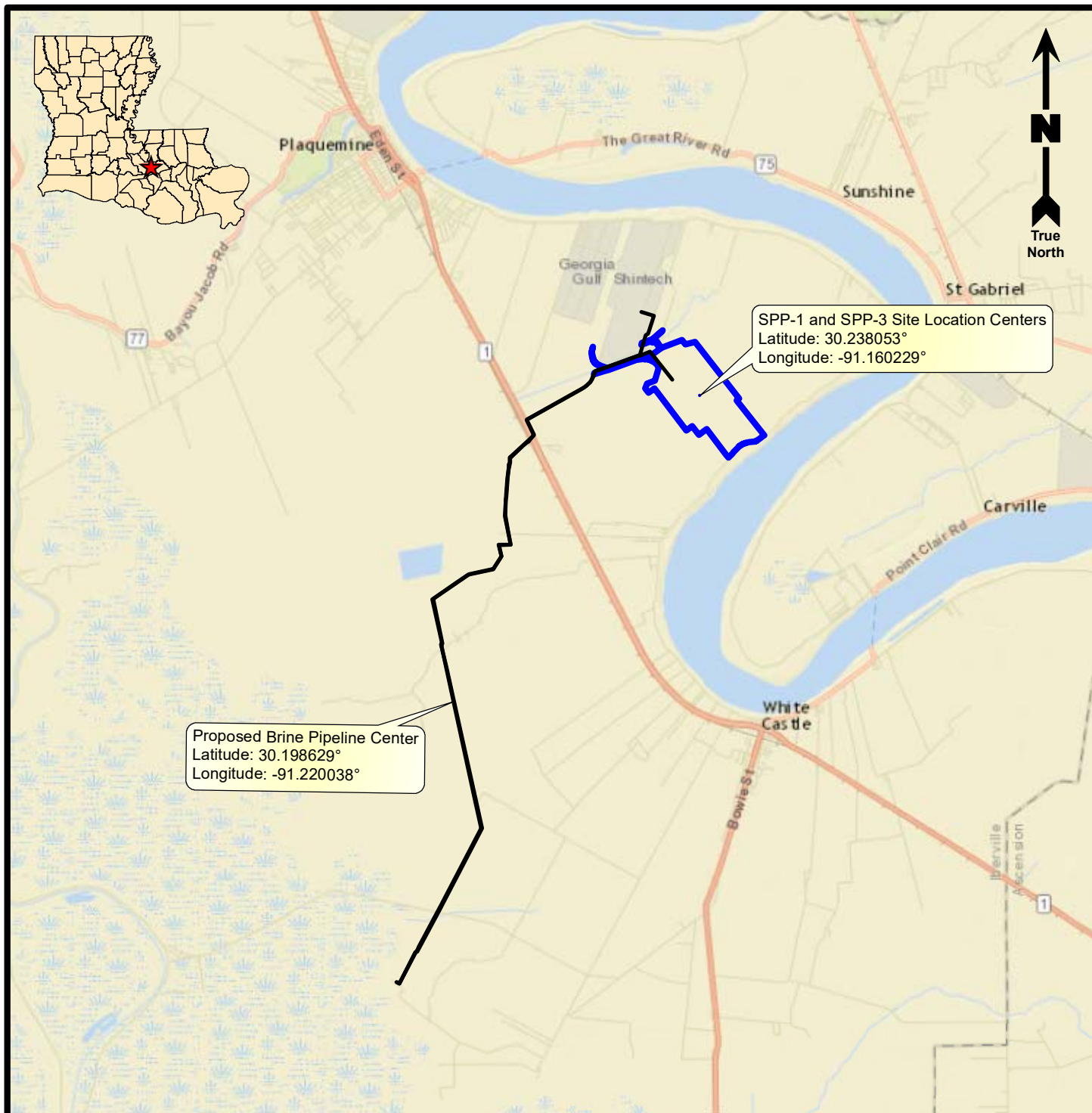
This notice initiates the Essential Fish Habitat (EFH) consultation requirements of the Magnuson-Stevens Fishery Conservation and Management Act. The applicant's proposal would result in the destruction or alteration of 0 acres of EFH utilized by various life stages of red drum and penaeid shrimp. Our 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 Department of Environmental Quality, Office of Environmental Services, before a permit is issued.

Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for public hearings shall state, with particularity, the reasons for holding a public hearing. You are requested to communicate the information contained in this notice to any other parties whom you deem likely to have interest in the matter.

for JOHN M. HERMAN
Chief, Central Evaluation Section
Regulatory Branch

Enclosure



Legend

- SPP-1 and SPP-3 Site Locations (817.42 Acres)
- Proposed Brine Pipeline Location

Reference

Base map comprised of ESRI StreetMap USA data.

Vicinity Map

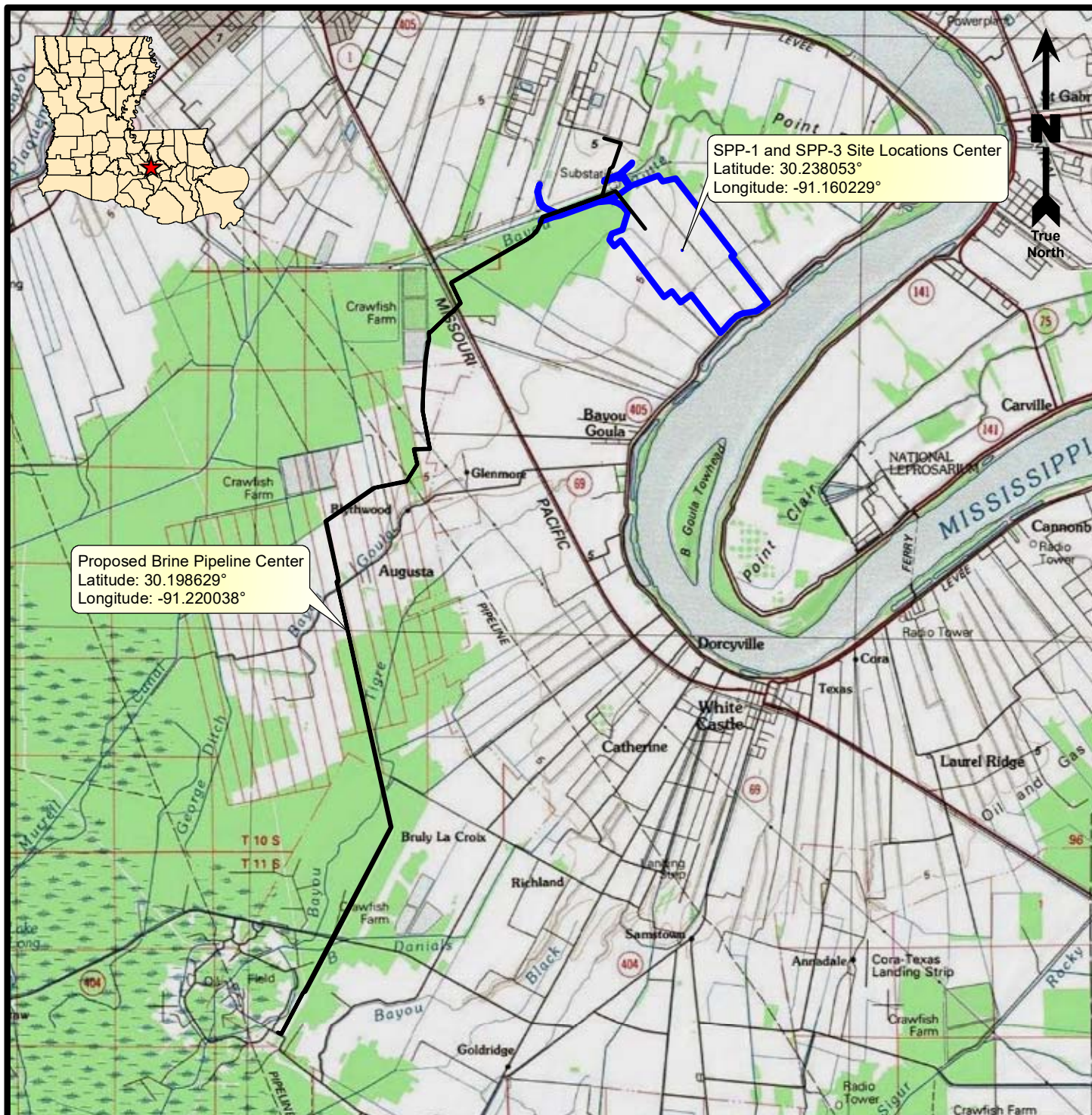
Section 404 Permit Application
 Plaquemine, Iberville Parish, Louisiana

Shintech Louisiana, LLC
 SPP-1 Expansion and New SPP-3 Project



PROVIDENCE

Drawn By	LMM	07/25/17
Checked By	LMH	07/25/17
Approved By	RPC	07/25/17
Project Number 039-115-003		1 Figure
Drawing Number 039-115-003-A077		



1.5 0.75 0 1.5
Miles

Legend

- SPP-1 and SPP-3 Site Locations (817.42 Acres)
- Proposed Brine Pipeline Location

Reference

Base map comprised of United States Geological Survey (USGS) 100K topographic map, "Baton Rouge, LA".

Site Location Map

Section 404 Permit Application
Plaquemine, Iberville Parish, Louisiana

Shintech Louisiana, LLC
SPP-1 Expansion and New SPP-3 Project

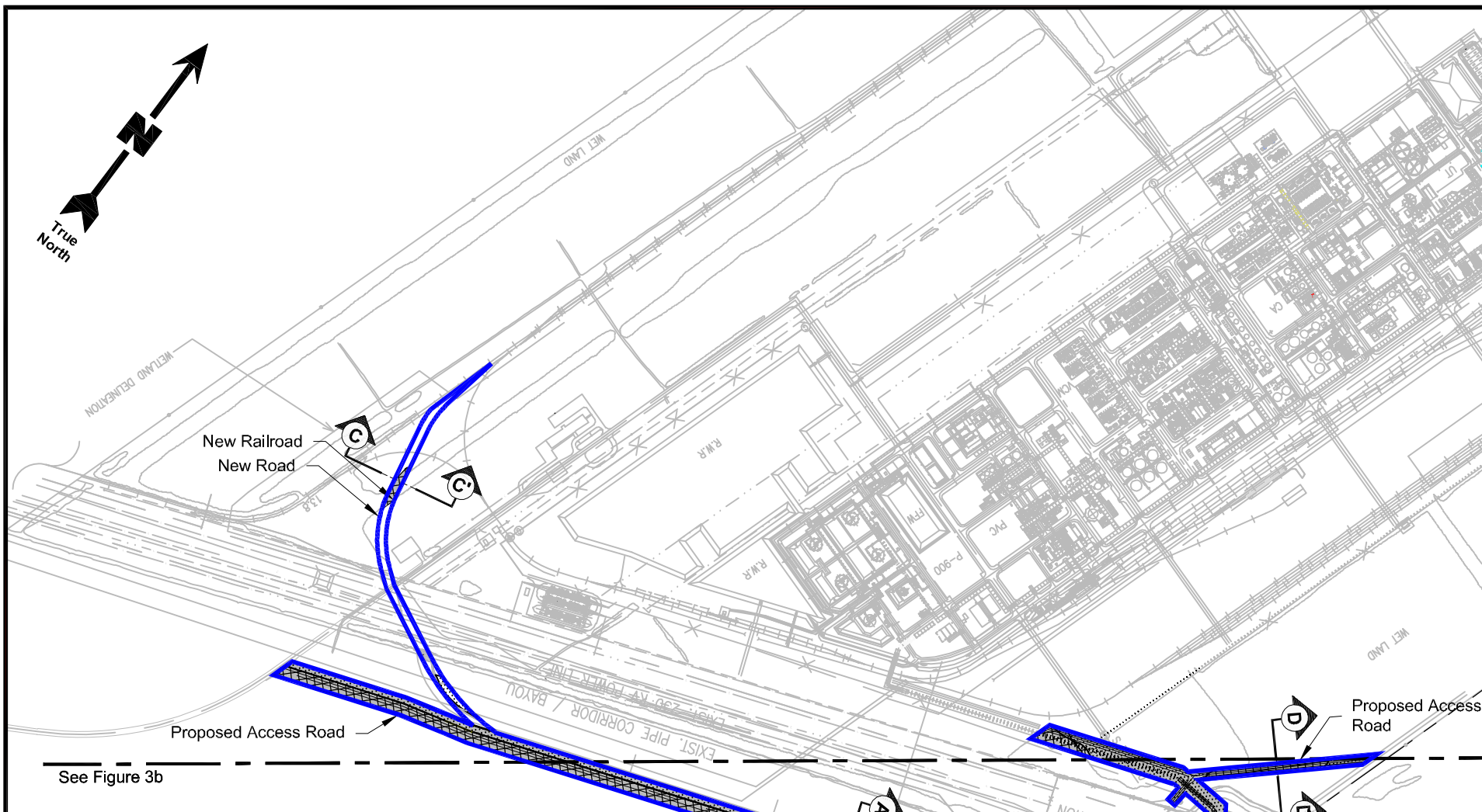


PROVIDENCE

Drawn By	LMM	07/25/17
Checked By	LMH	07/25/17
Approved By	RPC	07/25/17

Project Number	039-115-003
Drawing Number	039-115-003-A078

2
Figure



Legend

—— Project Area (817.42 Acres)	 Other Waters of The U.S. (10.45 Acres)
Total Impacted Jurisdictional Wetlands (16.99 Acres)	
 - PFO (21.06 Acres)	 Impacted Other Waters of The U.S. (0.22 Acre)
 - Impacted PFO (10.47 Acres)	
 - PEM (7.71 Acres)	
 - Impacted PEM (6.52 Acres)	

800 0 800
Scale: 1" = 800'

Reference

Base map comprised of client provided figure titled: Whole Area Plot Plan, dwg no: XXX-00001-00, rev 5, filename: Fill Material & Wetlands-R5.dwg, dated: 02/21/17.

Site Plan

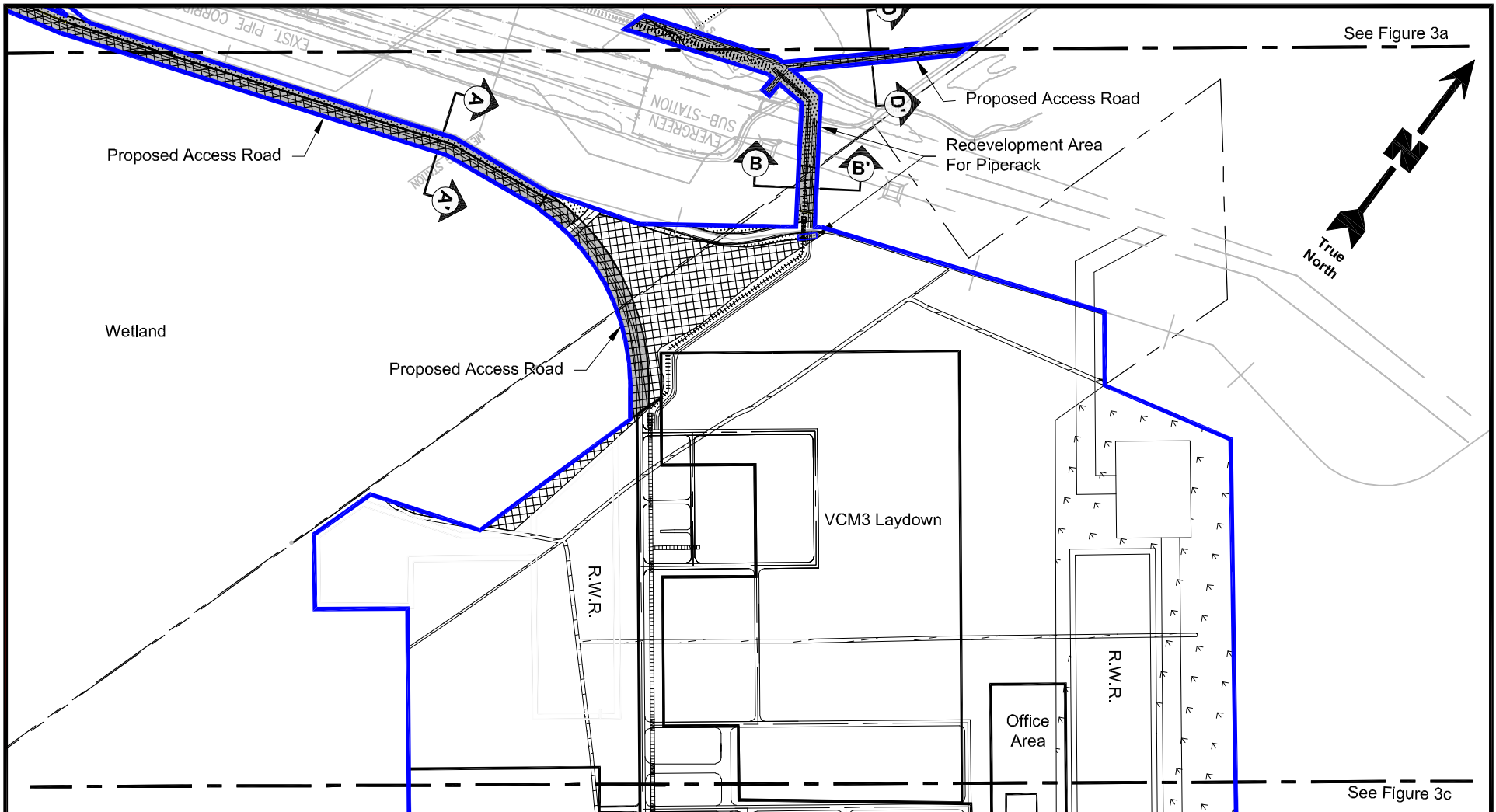
Section 404 Permit Application
Plaquemine, Iberville Parish, Louisiana

Shintech Louisiana, LLC
SPP-1 Expansion and New SPP-3 Project



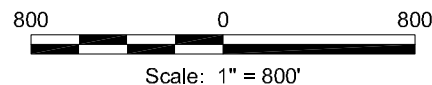
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Checked By	LMH	07/27/17
Approved By	RPC	07/27/17

Project Number 039-115-003	3a Figure
Drawing Number 039-115-003-A073	



Legend

	Project Area (817.42 Acres)		Other Waters of The U.S. (10.45 Acres)
Total Impacted Jurisdictional Wetlands (16.99 Acres)			
	- PFO (21.06 Acres)		Impacted Other Waters of The U.S. (0.22 Acre)
	- Impacted PFO (10.47 Acres)		
	- PEM (7.71 Acres)		
	- Impacted PEM (6.52 Acres)		



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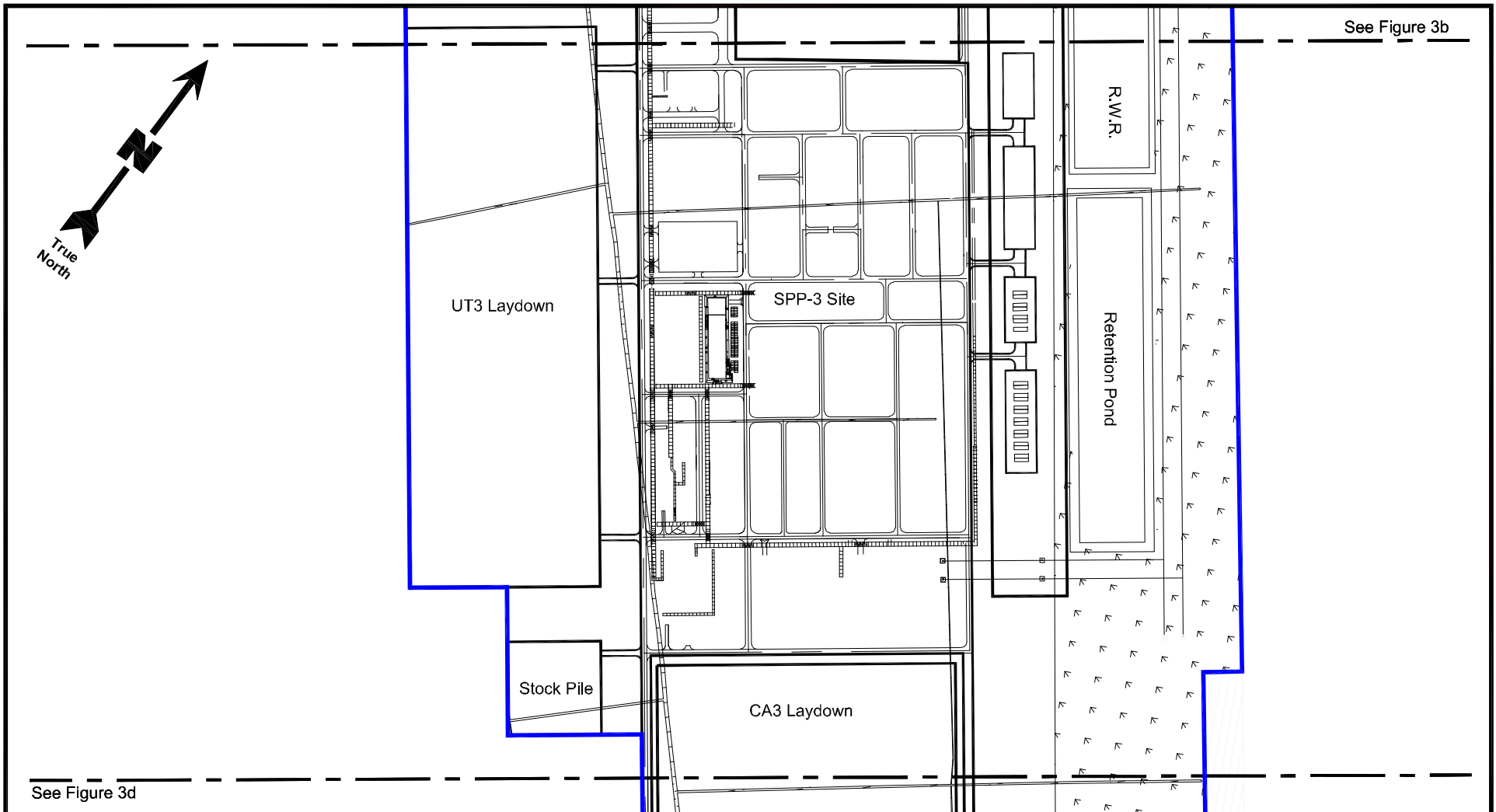
Site Plan

Section 404 Permit Application
Plaquemine, Iberville Parish, Louisiana


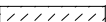
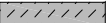




Shintech Louisiana, LLC
SPP-1 Expansion and New SPP-3 Project

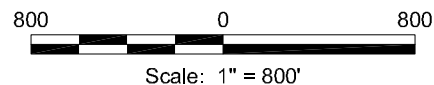


Drawn By	LMM	07/27/17
Checked By	LMH	07/27/17
Approved By	RPC	07/27/17
Project Number 039-115-003		3b Figure
Drawing Number 039-115-003-A074		



Legend

	Project Area (817.42 Acres)		Other Waters of The U.S. (10.45 Acres)
Total Impacted Jurisdictional Wetlands (16.99 Acres)			Impacted Other Waters of The U.S. (0.22 Acre)
	- PFO (21.06 Acres)		
	- Impacted PFO (10.47 Acres)		
	- PEM (7.71 Acres)		
	- Impacted PEM (6.52 Acres)		



Reference

Base map comprised of client provided figure titled: Whole Area Plot Plan, dwg no: XXX-00001-00, rev 5, filename: Fill Material & Wetlands-R5.dwg, dated: 02/21/17.

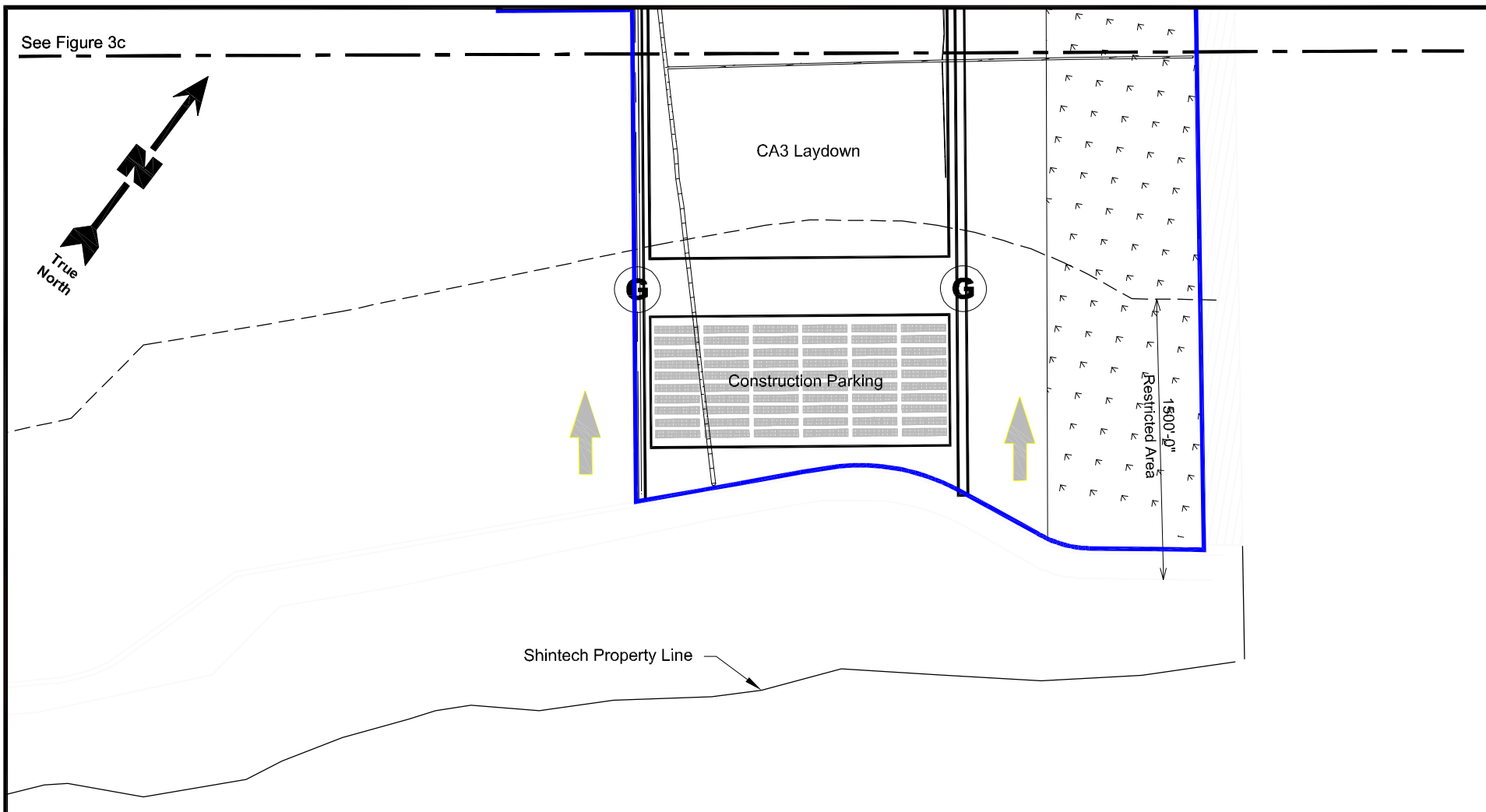
Site Plan

Section 404 Permit Application
Plaquemine, Iberville Parish, Louisiana

Shintech Louisiana, LLC
SPP-1 Expansion and New SPP-3 Project

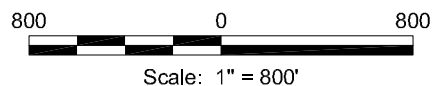


Drawn By	LMM	07/27/17
Checked By	LMH	07/27/17
Approved By	RPC	07/27/17
Project Number 039-115-003		3c Figure
Drawing Number 039-115-003-A075		



Legend

	Project Area (817.42 Acres)		Other Waters of The U.S. (10.45 Acres)
Total Impacted Jurisdictional Wetlands (16.99 Acres)			Impacted Other Waters of The U.S. (0.22 Acre)
	- PFO (21.06 Acres)		
	- Impacted PFO (10.47 Acres)		
	- PEM (7.71 Acres)		
	- Impacted PEM (6.52 Acres)		



Reference

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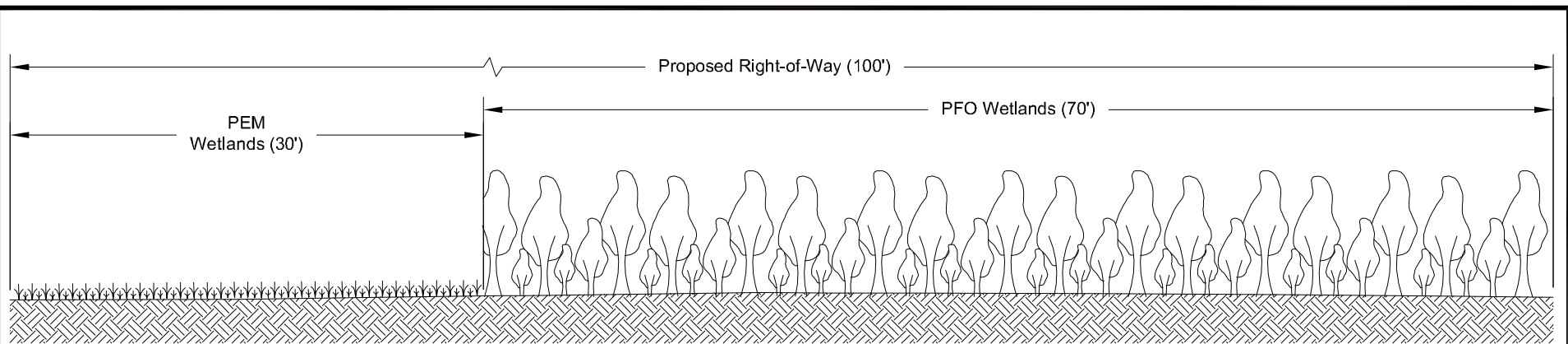
Site Plan

Section 404 Permit Application
Plaquemine, Iberville Parish, Louisiana

Shintech Louisiana, LLC
SPP-1 Expansion and New SPP-3 Project

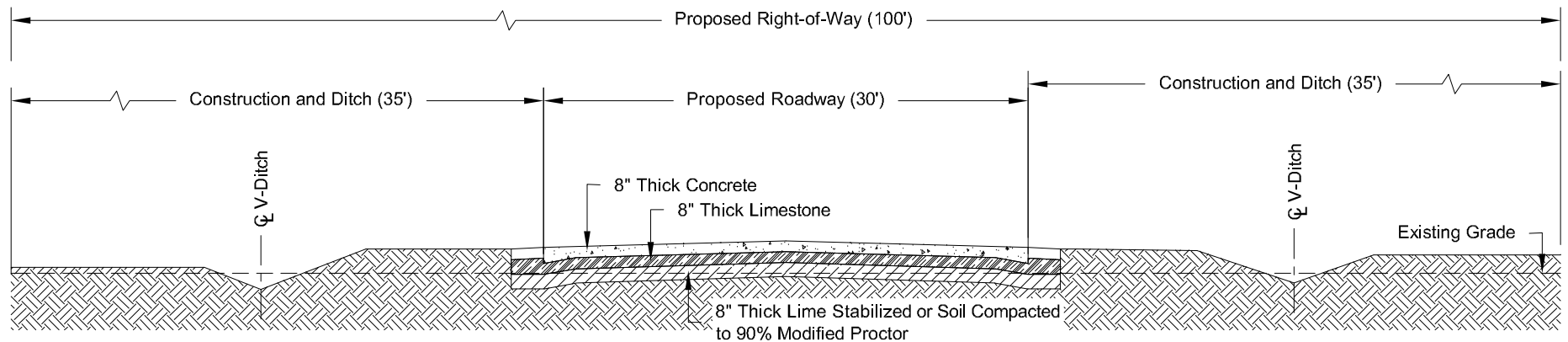


Drawn By	LMM	07/27/17
Checked By	LMH	07/27/17
Approved By	RPC	07/27/17
Project Number 039-115-003		3d Figure
Drawing Number 039-115-003-A076		



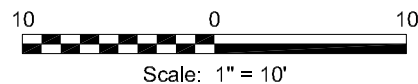
Pre-Construction

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Post-Construction

Scale: 1" = 10'



Cross Section A-A'

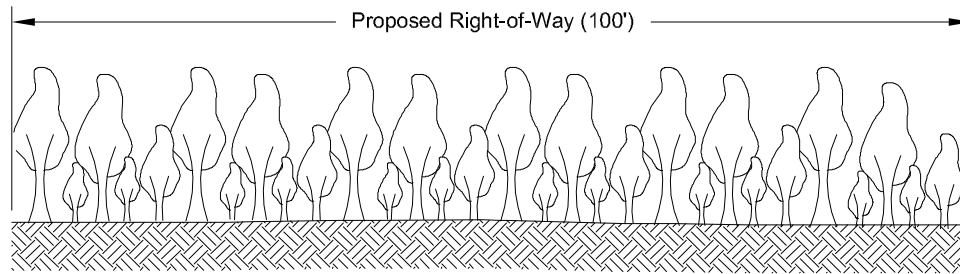
Section 404 Permit Application
Plaquemine, Iberville Parish, Louisiana

Shintech Louisiana, LLC
SPP-1 Expansion and New SPP-3 Project



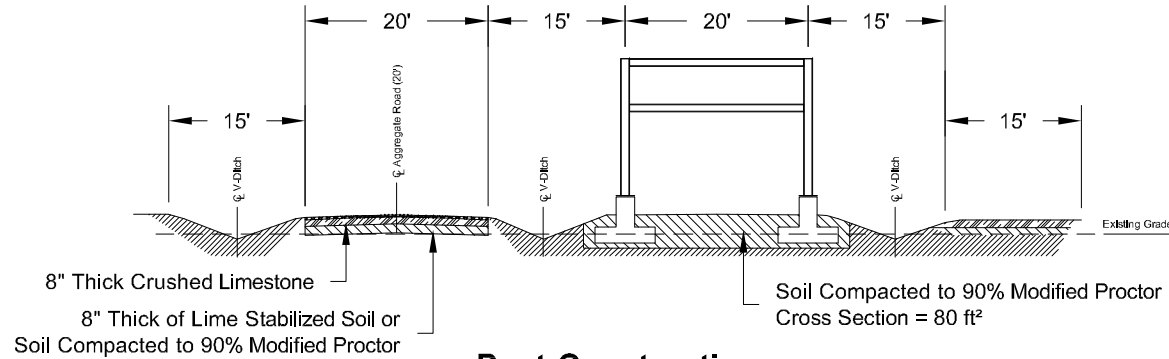
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Checked By	LMH	05/22/17
Approved By	RPC	05/22/17

Project Number 039-115-003	4 Figure
Drawing Number 039-115-003-A050	



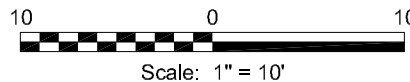
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Post-Construction

Scale: 1" = 20'



Cross Section B-B'

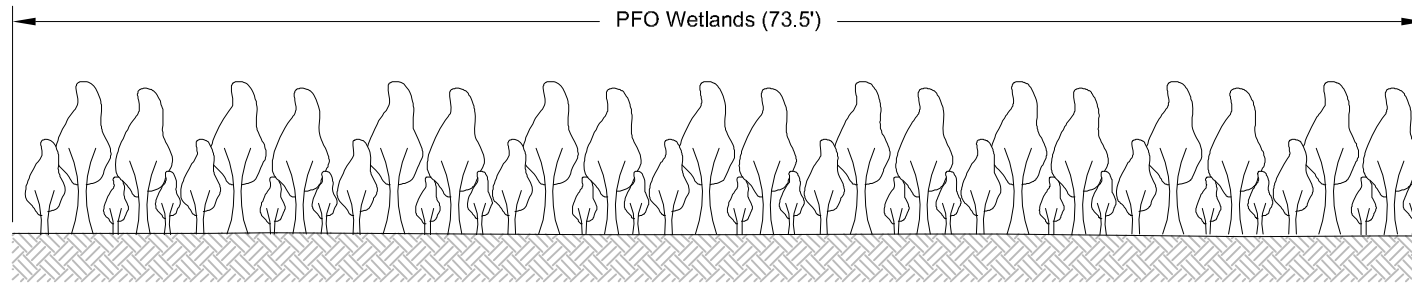
Section 404 Permit Application
Plaquemine, Iberville Parish, Louisiana

Shintech Louisiana, LLC
SPP-1 Expansion and New SPP-3 Project



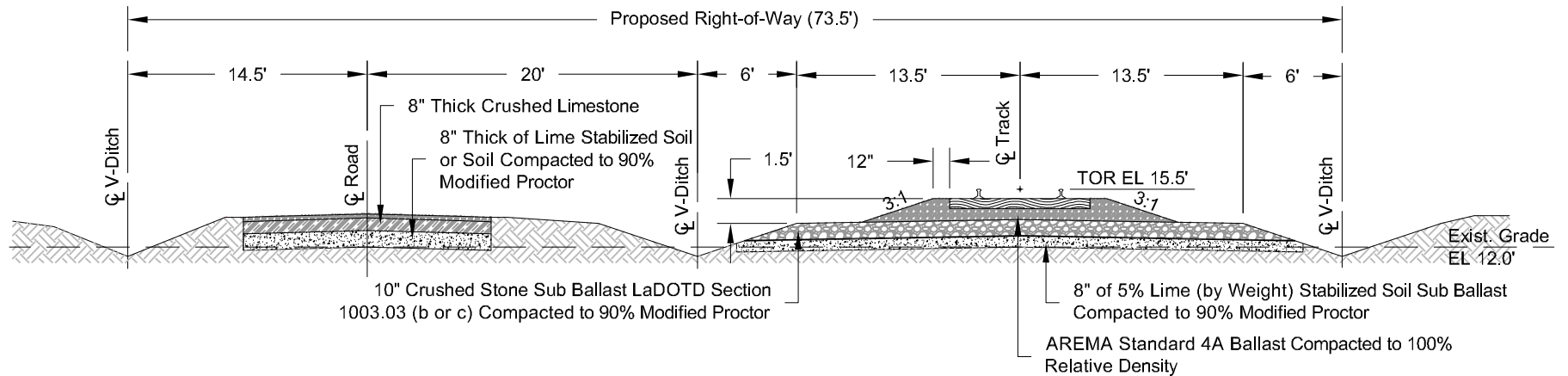
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Checked By	LMH	05/22/17
Approved By	RPC	05/22/17

Project Number 039-115-003	5 Figure
Drawing Number 039-115-003-A051	



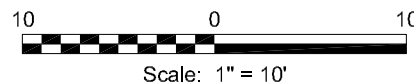
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Scale: 1" = 10'



Post-Construction

Scale: 1" = 10'



Cross Section C-C'

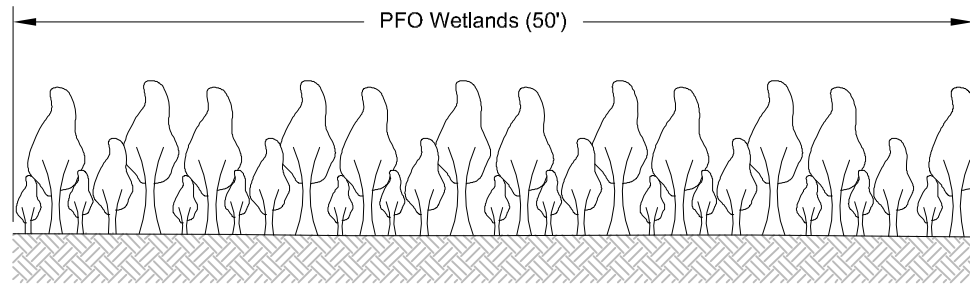
Section 404 Permit Application
Plaquemine, Iberville Parish, Louisiana

Shintech Louisiana, LLC
SPP-1 Expansion and New SPP-3 Project



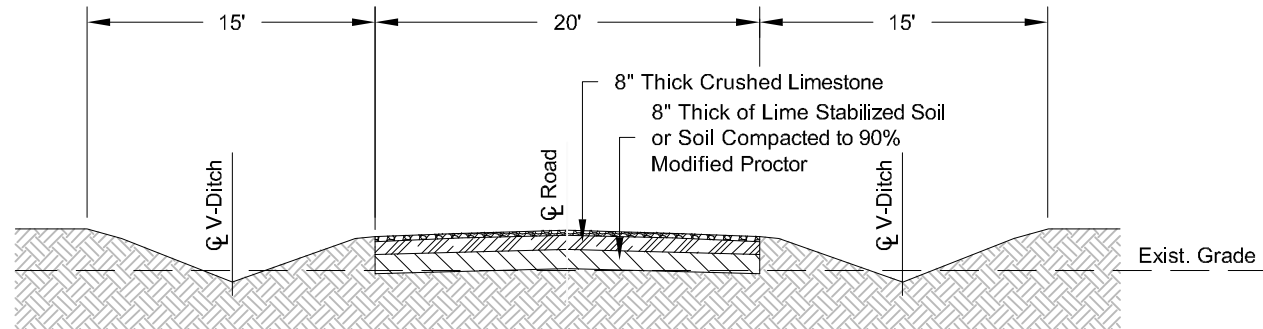
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Checked By	LMH	05/22/17
Approved By	RPC	05/22/17

Project Number 039-115-003	6 Figure
Drawing Number 039-115-003-A052	



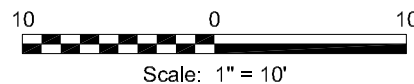
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Post-Construction

Scale: 1" = 10'



Cross Section D-D'

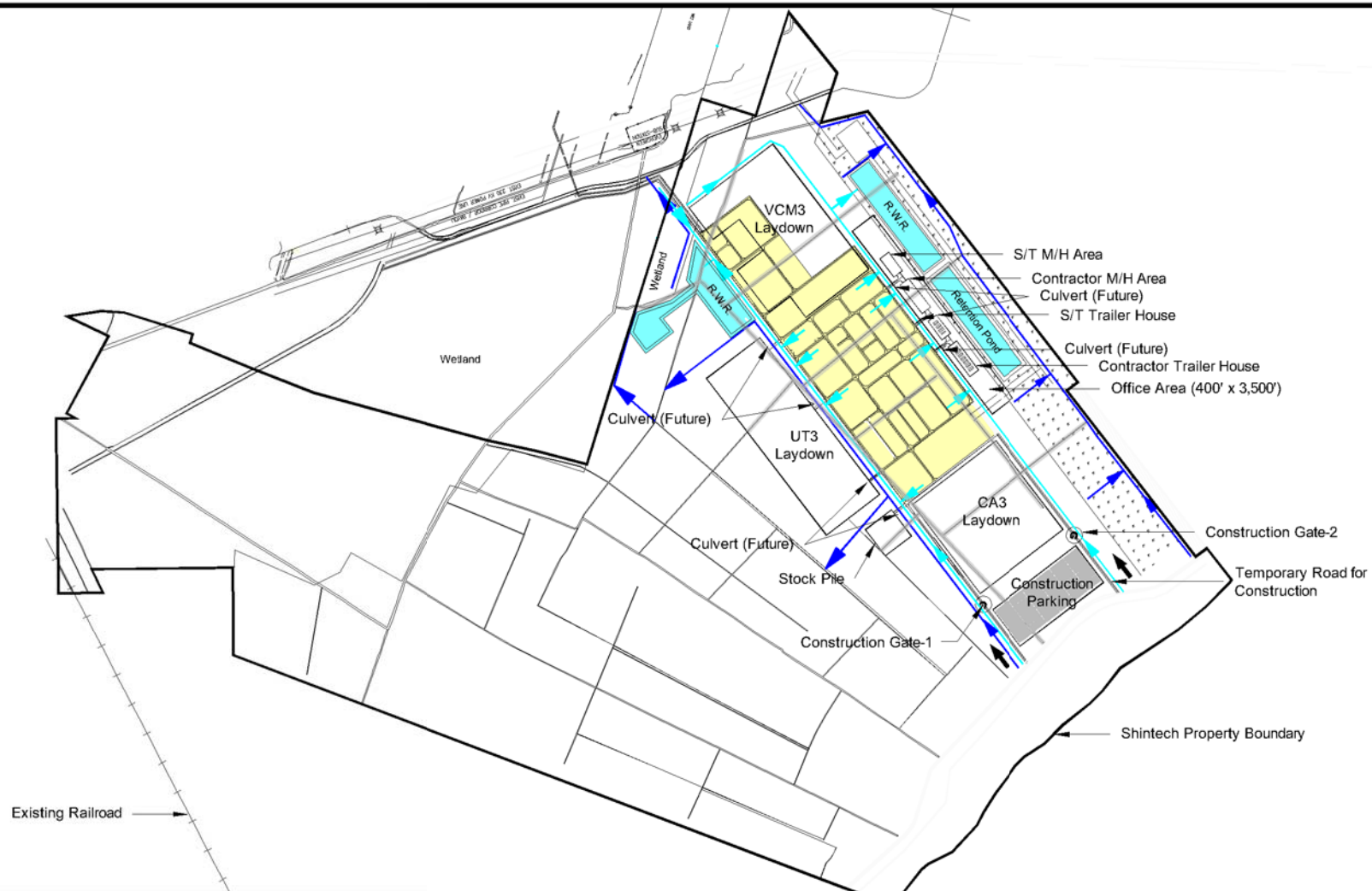
Section 404 Permit Application
Plaquemine, Iberville Parish, Louisiana

Shintech Louisiana, LLC
SPP-1 Expansion and New SPP-3 Project



Drawn By	LMM	07/25/17
Checked By	LMH	07/25/17
Approved By	RPC	07/25/17

Project Number 039-115-003	7 Figure
Drawing Number 039-115-003-A079	

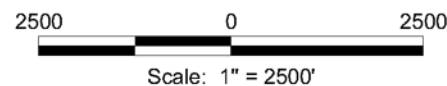


Legend

- Area Associated with Industrial Activity
- Main Ditch For New Plant (Future)
- Ditch for U.S. Water (Future)
- Existing Ditch for U.S. Water (Backfill)
- Existing Ditch for U.S. Water

Reference

Base map comprised of client provided figure, titled: Whole Area Plot Plan, drawing no: XXX-00001-00, rev 5, dated: 06/07/16.



Water Re-Route Map

Section 404 Permit Application
Plaquemine, Iberville Parish, Louisiana

Shintech Louisiana, LLC
SPP-1 Expansion and New SPP-3 Project



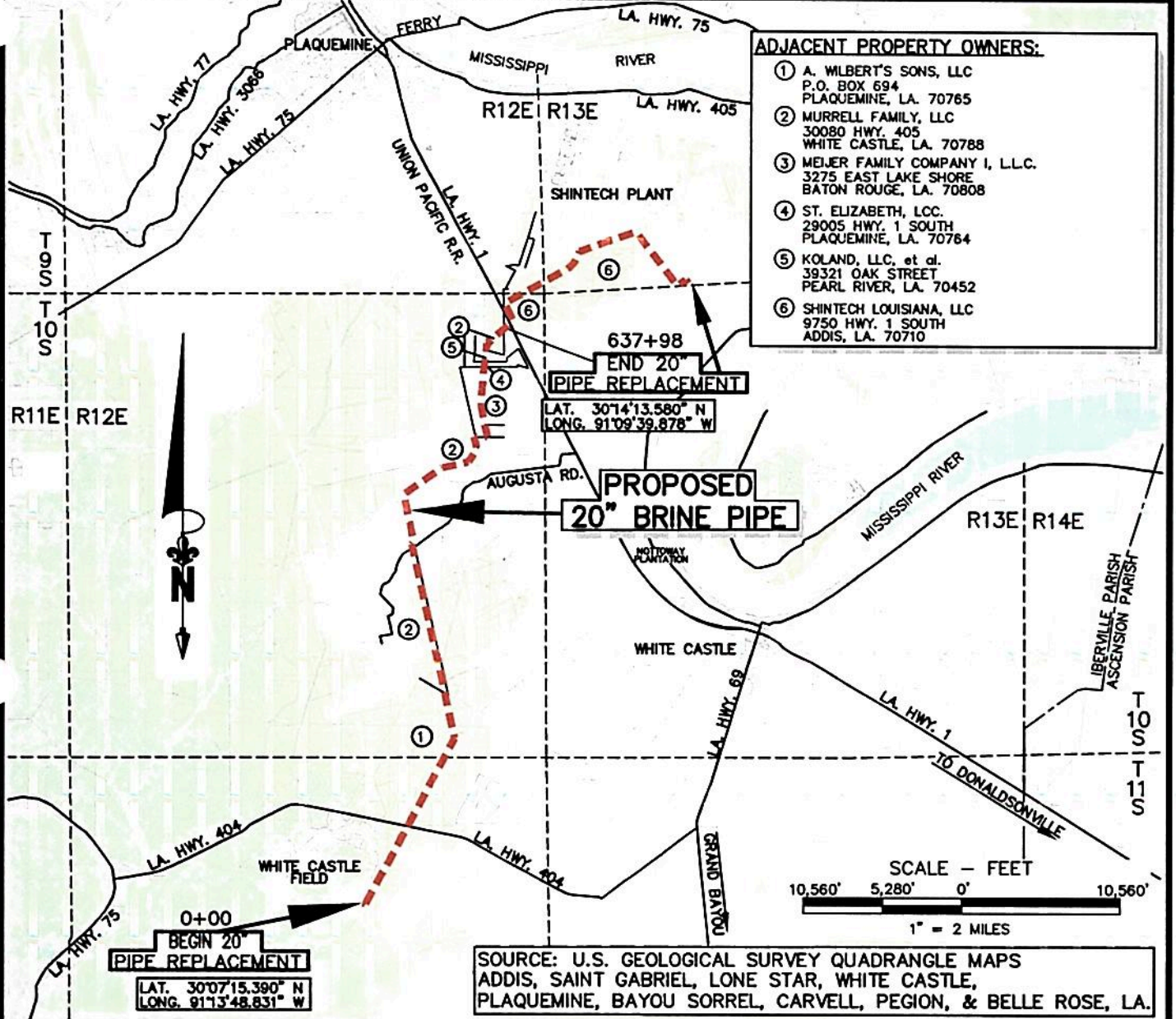
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Checked By	LMH	05/22/17
Approved By	RPC	05/22/17

Project Number 039-115-003	8 Figure
Drawing Number 039-115-003-A053	

IBERVILLE PARISH, LOUISIANA
SEC. 1, T11S-R12E AND SEC's. 2, 3, 6, 10, 49, 54, 55, 56, 57, 58, 59, 60, 77, 95, 103, T10S-R12E,
AND SEC. 99, T9S-R12E, AND SEC's. 22, 23, 24, 25, 37, 64, 65, 69, T9S-R13E

ADJACENT PROPERTY OWNERS:

- ① A. WILBERT'S SONS, LLC
P.O. BOX 694
PLAQUEMINE, LA. 70765
- ② MURRELL FAMILY, LLC
30080 HWY. 405
WHITE CASTLE, LA. 70788
- ③ MEIJER FAMILY COMPANY I, L.L.C.
3275 EAST LAKE SHORE
BATON ROUGE, LA. 70808
- ④ ST. ELIZABETH, LLC
29005 HWY. 1 SOUTH
PLAQUEMINE, LA. 70764
- ⑤ KOLAND, LLC, et al.
39321 OAK STREET
PEARL RIVER, LA. 70452
- ⑥ SHINTECH LOUISIANA, LLC
9750 HWY. 1 SOUTH
ADDIS, LA. 70710



NOTE:
THESE DRAWING WERE PREPARED SOLELY FOR
ACQUISITION OF REGULATORY PERMITS AND DO
NOT REPRESENT ENGINEERING OR CONSTRUCTION
PLANS. PROPERTY LINES SHOWN ARE FROM COMPILED
DATA ACQUIRED FROM ASSESSOR RECORDS AND DO
NOT REPRESENT A BOUNDARY SURVEY.

* SEE SHEET 62 OF 62 FOR GENERAL
NOTES AND REFERENCES.

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IN THE TITLE BLOCK. USE FOR ANY OTHER PURPOSE, OR USE BY ANY OTHER
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PREPARED BY:



Miller Engineers & Associates, Inc.

PRELIMINARY

FOR PERMIT PURPOSES ONLY

JOEL J. MILLER
LA. LICENSE NO. 29638



TEXAS BRINE
COMPANY, LLC

PERMIT APPLICATION FOR
PROPOSED 20" x 63,798"
PIPELINE

VICINITY MAP
IBERVILLE PARISH
LOUISIANA

M.E. & A. DWG. NO. 14069, SHEET 1 OF 62

REV.	DATE	DESCRIPTION	DRAWN	CHKD.	APPD.
0	4/24/17	ISSUED DRAWINGS	REK	JJM	JJM

IBERVILLE PARISH, LOUISIANA
 SEC. 1, T11S-R12E AND SEC's. 2, 3, 6, 10, 49, 54, 55, 56, 57, 58, 59, 60, 77, 95, 103, T10S-R12E,
 AND SEC. 99, T9S-R12E, AND SEC's. 22, 23, 24, 25, 37, 64, 65, 69, T9S-R13E

MATCH LINE STA. 32+02

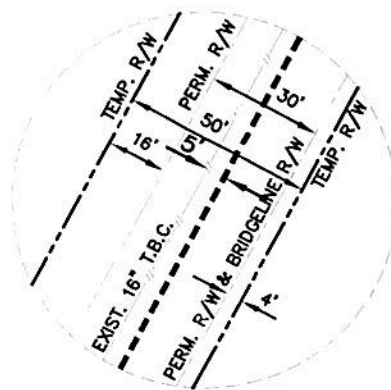
LEGEND:
 - - - - - OPEN CUT
 (DASHED)

NOTE:
 ALL WORK TO BE DONE IN TEMP. R/W.

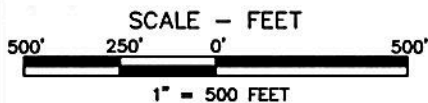
FOR EXC. & BACKFILL STA. 0+00 TO 84+53
 PLAN & PROFILE SEE SHEET 19 OF 62 SEC. "A-A"

WETLAND IMPACTS THIS SHEET = 3.66 ACRES

□ DENOTES PEM EMERGENT WETLANDS
 (±3.66 ACRES THIS SHEET)



R/W DETAIL
 STA. 0+00 TO STA. 84+53



NOTE:
 THESE DRAWING WERE PREPARED SOLELY FOR
 ACQUISITION OF REGULATORY PERMITS AND DO
 NOT REPRESENT ENGINEERING OR CONSTRUCTION
 PLANS. PROPERTY LINES SHOWN ARE FROM COMPILED
 DATA ACQUIRED FROM ASSESSOR RECORDS AND DO
 NOT REPRESENT A BOUNDARY SURVEY.

* SEE SHEET 62 OF 62 FOR GENERAL
 NOTES AND REFERENCES.

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JOEL J. MILLER
 LA. LICENSE NO. 29638



TEXAS BRINE
 COMPANY, LLC

PERMIT APPLICATION FOR
 PROPOSED 20" x 63,798'
 PIPELINE

GENERAL LAYOUT MAP 1 OF 17

IBERVILLE PARISH
 LOUISIANA

M.E. & A. DWG. NO. 14069, SHEET 2 OF 62

REV.	DATE	DESCRIPTION	DRAWN	CHKD.	APPD.
0	4/24/17	ISSUED DRAWINGS	REK	JJM	JJM

IBERVILLE PARISH, LOUISIANA
 SEC. 1, T11S-R12E AND SEC's. 2, 3, 6, 10, 49, 54, 55, 56, 57, 58, 59, 60, 77, 95, 103, T10S-R12E,
 AND SEC. 99, T9S-R12E, AND SEC's. 22, 23, 24, 25, 37, 64, 65, 69, T9S-R13E

MATCH LINE STA. 69+27

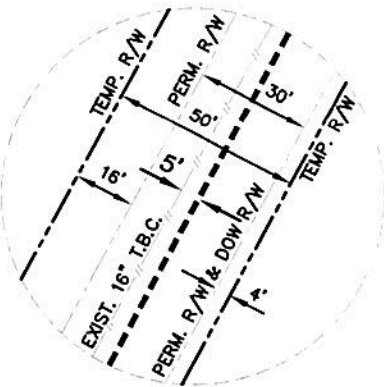
LEGEND:

— H.D.D.
 (SOLID)
 - - - - - OPEN CUT
 (DASHED)

NOTE:
 NO ADDITIONAL WORK SPACE IS REQ'D.
 FOR H.D.D. AND BACK STRINGING OF PIPE.
 ALL WORK TO BE DONE IN TEMP. R/W.

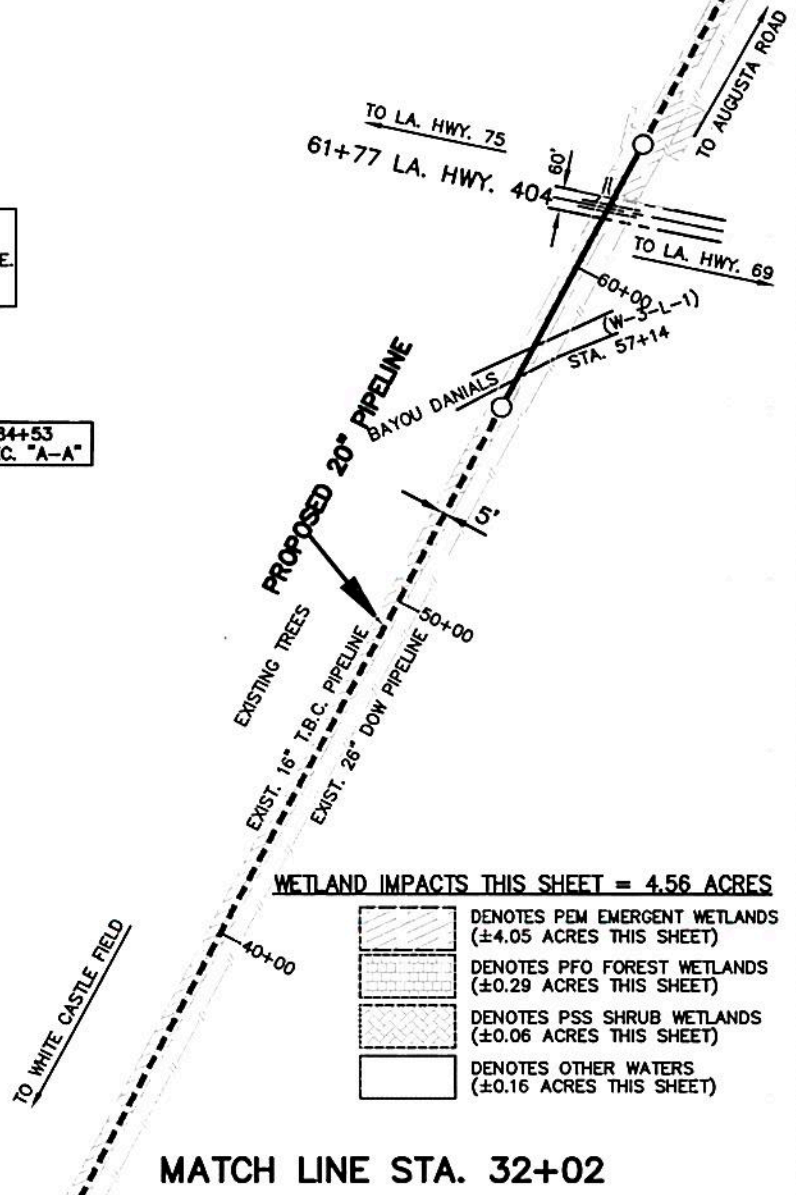
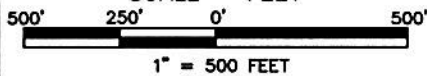
FOR H.D.D. PLAN & PROFILE
 SEE SHEET 33 OF 62

FOR EXC. & BACKFILL STA. 0+00 TO 84+53
 PLAN & PROFILE SEE SHEET 19 OF 62 SEC. "A-A"



R/W DETAIL
 STA. 0+00 TO STA. 84+53

SCALE - FEET



- WETLAND IMPACTS THIS SHEET = 4.56 ACRES**
- DENOTES PEM EMERGENT WETLANDS (±4.05 ACRES THIS SHEET)
 - DENOTES PFO FOREST WETLANDS (±0.29 ACRES THIS SHEET)
 - DENOTES PSS SHRUB WETLANDS (±0.06 ACRES THIS SHEET)
 - DENOTES OTHER WATERS (±0.16 ACRES THIS SHEET)

MATCH LINE STA. 32+02

NOTE:
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 NOTES AND REFERENCES.

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TEXAS BRINE
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PERMIT APPLICATION FOR
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 PIPELINE

GENERAL LAYOUT MAP 2 OF 17

IBERVILLE PARISH
 LOUISIANA

M.E. & A. DWG. NO. 14069, SHEET 3 OF 62

REV.	DATE	DESCRIPTION	DRAWN	CHKD.	APPD.
0	4/24/17	ISSUED DRAWINGS	REK	JJM	JJM

IBERVILLE PARISH, LOUISIANA
 SEC. 1, T11S-R12E AND SEC's. 2, 3, 6, 10, 49, 54, 55, 56, 57, 58, 59, 60, 77, 95, 103, T10S-R12E,
 AND SEC. 99, T9S-R12E, AND SEC's. 22, 23, 24, 25, 37, 64, 65, 69, T9S-R13E

MATCH LINE STA. 106+53



LEGEND:
 - - - - - OPEN CUT
 (DASHED)

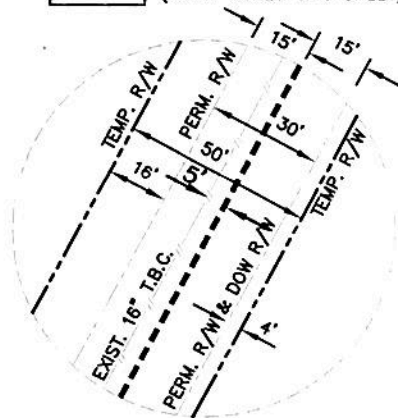
NOTE:
 ALL WORK TO BE DONE IN TEMP. R/W.

FOR EXC. & BACKFILL STA. 0+00 TO 84+53
 PLAN & PROFILE SEE SHEET 19 OF 62 SEC. "A-A"

FOR EXC. & BACKFILL STA. 84+53 TO 160+98
 PLAN & PROFILE SEE SHEET 20 OF 62 SEC. "B-B"

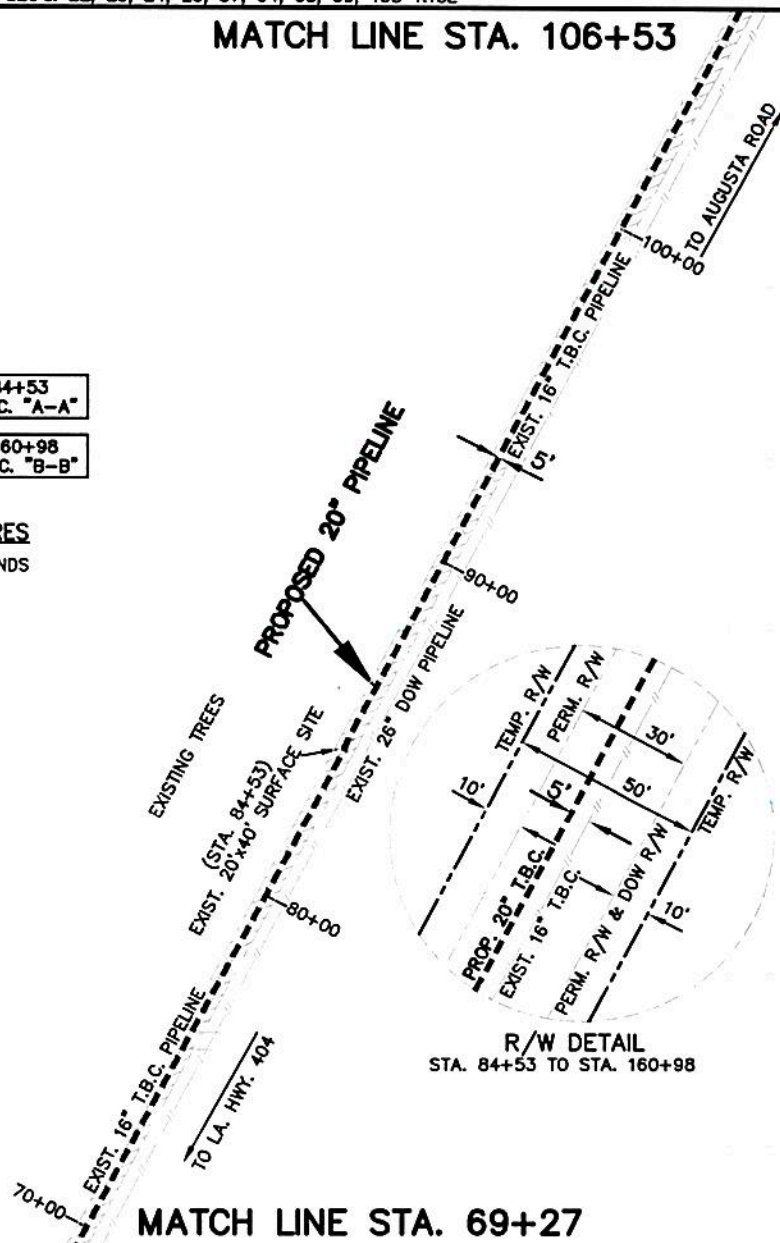
WETLAND IMPACTS THIS SHEET = 3.53 ACRES

 DENOTES PEM EMERGENT WETLANDS
 (±3.52 ACRES THIS SHEET)
 DENOTES OTHER WATERS
 (±0.01 ACRES THIS SHEET)



R/W DETAIL
 STA. 29+24 TO STA. 84+53

SCALE - FEET
 500' 250' 0' 500'
 1" = 500 FEET



MATCH LINE STA. 69+27

NOTE:
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* SEE SHEET 62 OF 62 FOR GENERAL
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TEXAS BRINE
 COMPANY, LLC

PERMIT APPLICATION FOR
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 PIPELINE

GENERAL LAYOUT MAP 3 OF 17

IBERVILLE PARISH
 LOUISIANA

REV.	DATE	DESCRIPTION	DRAWN	CHKD.	APPD.
0	4/24/17	ISSUED DRAWINGS	REK	JJM	JJM

M.E. & A. DWG. NO. 14069, SHEET 4 OF 62

IBERVILLE PARISH, LOUISIANA
 SEC. 1, T11S-R12E AND SEC's. 2, 3, 6, 10, 49, 54, 55, 56, 57, 58, 59, 60, 77, 95, 103, T10S-R12E,
 AND SEC. 99, T9S-R12E, AND SEC's. 22, 23, 24, 25, 37, 64, 65, 69, T9S-R13E

MATCH LINE STA. 142+41

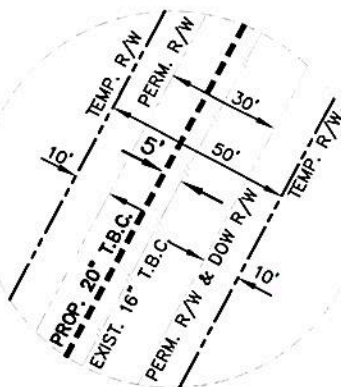
LEGEND:
 - - - - - OPEN CUT
 (DASHED)

NOTE:
 ALL WORK TO BE DONE IN TEMP. R/W.

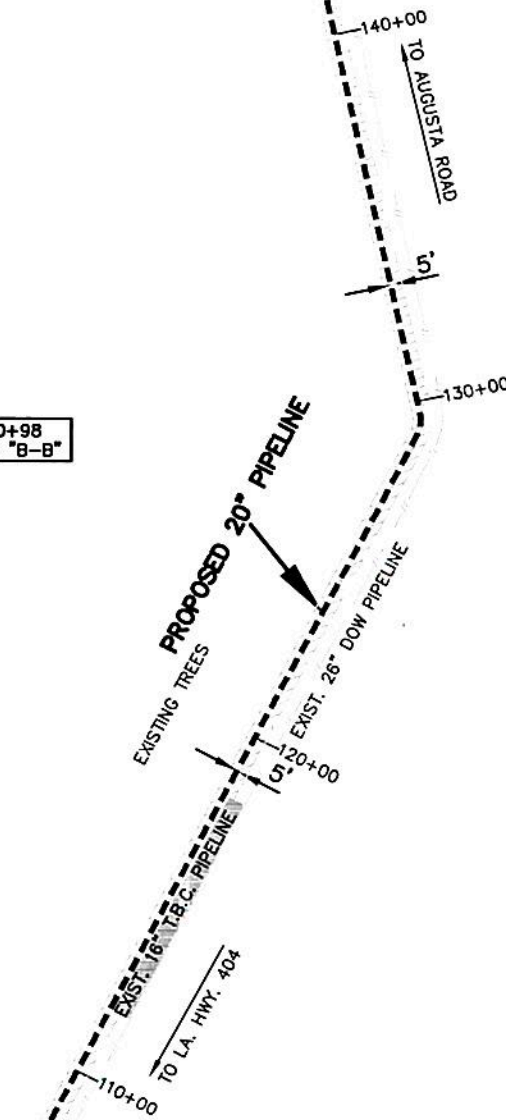
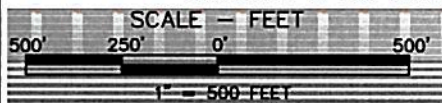
FOR EXC. & BACKFILL STA. 84+53 TO 160+98
 PLAN & PROFILE SEE SHEET 20 OF 62 SEC. "B-B"

WETLAND IMPACTS THIS SHEET = 4.12 ACRES

 DENOTES PEM EMERGENT WETLANDS
 (±4.12 ACRES THIS SHEET)



R/W DETAIL
 STA. 84+53 TO STA. 160+98



MATCH LINE STA. 106+53

NOTE:
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* SEE SHEET 62 OF 62 FOR GENERAL
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TEXAS BRINE
 COMPANY, LLC

PERMIT APPLICATION FOR
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 PIPELINE

GENERAL LAYOUT MAP 4 OF 17

IBERVILLE PARISH
 LOUISIANA

M.E. & A. DWG. NO. 14069, SHEET 5 OF 62

REV.	DATE	DESCRIPTION	DRAWN	CHKD.	APPD.
0	4/24/17	ISSUED DRAWINGS	REK	JJM	JJM

IBERVILLE PARISH, LOUISIANA
SEC. 1, T11S-R12E AND SEC's 2, 3, 6, 10, 49, 54, 55, 56, 57, 58, 59, 60, 77, 95, 103, T10S-R12E,
AND SEC. 99, T9S-R12E, AND SEC's 22, 23, 24, 25, 37, 64, 65, 69, T9S-R13E

MATCH LINE STA. 176+15

LEGEND:

(SOLID) H.D.D.
(DASHED) OPEN CUT




NOTE:
NO ADDITIONAL WORK SPACE IS REQ'D.
FOR H.D.D. AND BACK STRINGING OF PIPE.
ALL WORK TO BE DONE IN TEMP. R/W.

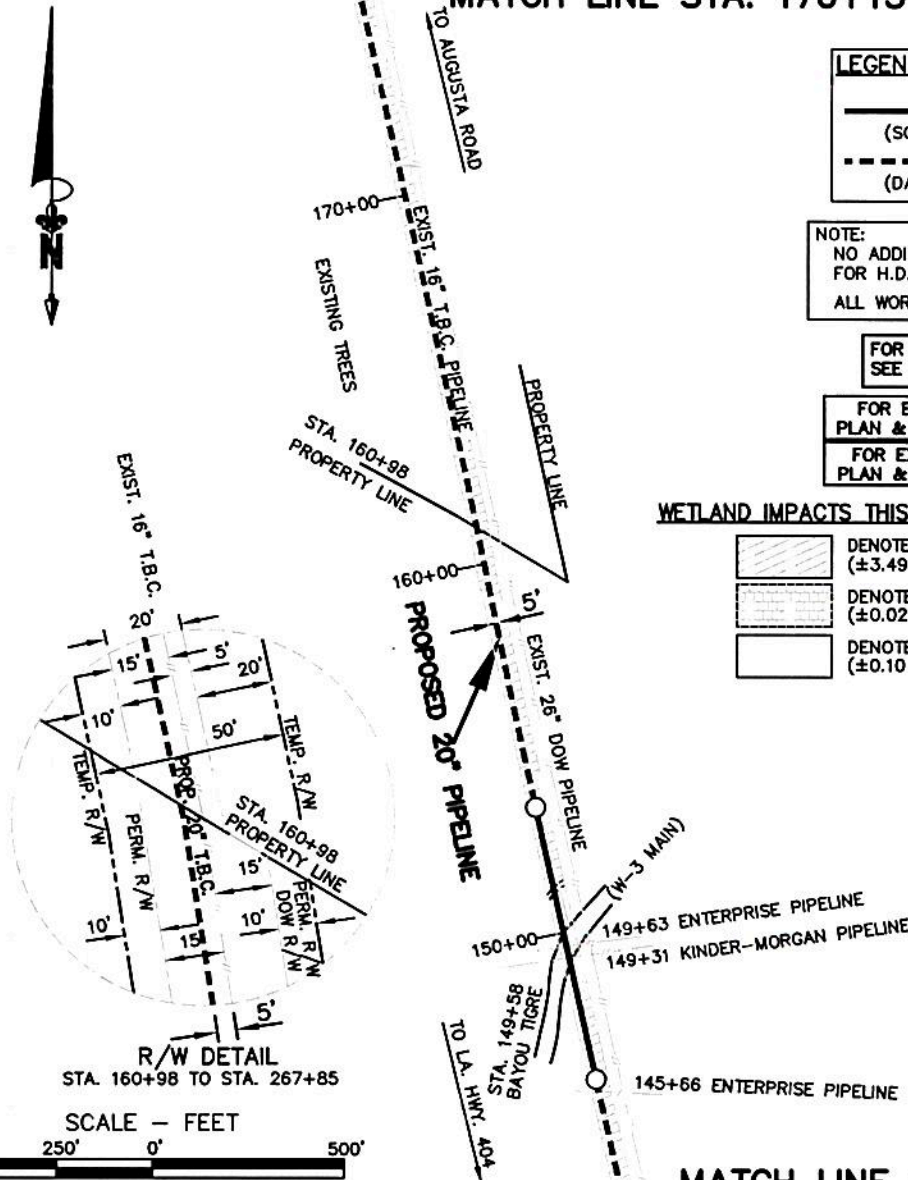
FOR H.D.D. PLAN & PROFILE
SEE SHEET 35 OF 62

FOR EXC. & BACKFILL STA. 84+53 TO 160+98
PLAN & PROFILE SEE SHEET 20 OF 62 SEC. "B-B"

FOR EXC. & BACKFILL STA. 160+98 TO 267+85
PLAN & PROFILE SEE SHEET 21 OF 62 SEC. "C-C"

WETLAND IMPACTS THIS SHEET = 3.61 ACRES

 DENOTES PEM EMERGENT WETLANDS (±3.49 ACRES THIS SHEET)
 DENOTES PFO FOREST WETLANDS (±0.02 ACRES THIS SHEET)
 DENOTES OTHER WATERS (±0.10 ACRES THIS SHEET)



R/W DETAIL
STA. 160+98 TO STA. 267+85

SCALE - FEET

500' 250' 0' 500'
1" = 500 FEET

R/W DETAIL
STA. 84+53 TO STA. 160+98

MATCH LINE STA. 142+41

NOTE:
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* SEE SHEET 62 OF 62 FOR GENERAL
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LA. LICENSE NO. 29638



TEXAS BRINE
COMPANY, LLC

PERMIT APPLICATION FOR
PROPOSED 20" x 63,798'
PIPELINE

GENERAL LAYOUT MAP 5 OF 17

IBERVILLE PARISH
LOUISIANA

M.E. & A. DWG. NO. 14069, SHEET 6 OF 62

REV.	DATE	DESCRIPTION	DRAWN	CHKD.	APPD.
0	4/24/17	ISSUED DRAWINGS	REK	JJM	JJM

IBERVILLE PARISH, LOUISIANA
 SEC. 1, T11S-R12E AND SEC's. 2, 3, 6, 10, 49, 54, 55, 56, 57, 58, 59, 60, 77, 95, 103, T10S-R12E,
 AND SEC. 99, T9S-R12E, AND SEC's. 22, 23, 24, 25, 37, 64, 65, 69, T9S-R13E

MATCH LINE STA. 209+91

LEGEND:



--- OPEN CUT
 (DASHED)

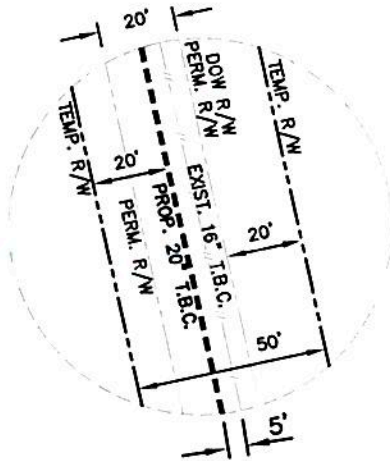
NOTE:

ALL WORK TO BE DONE IN TEMP. R/W.

FOR EXC. & BACKFILL STA. 180+98 TO 267+85
 PLAN & PROFILE SEE SHEET 21 OF 62 SEC. "C-C"

WETLAND IMPACTS THIS SHEET = 3.86 ACRES

 DENOTES PEM EMERGENT WETLANDS
 (±3.85 ACRES THIS SHEET)
 DENOTES OTHER WATERS
 (±0.01 ACRES THIS SHEET)



R/W DETAIL
 STA. 160+98 TO STA. 267+85

SCALE - FEET
 500' 250' 0' 500'
 1" = 500 FEET

MATCH LINE STA. 176+15

NOTE:

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* SEE SHEET 62 OF 62 FOR GENERAL NOTES AND REFERENCES.

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 COMPANY, LLC

PERMIT APPLICATION FOR
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 PIPELINE

GENERAL LAYOUT MAP 6 OF 17

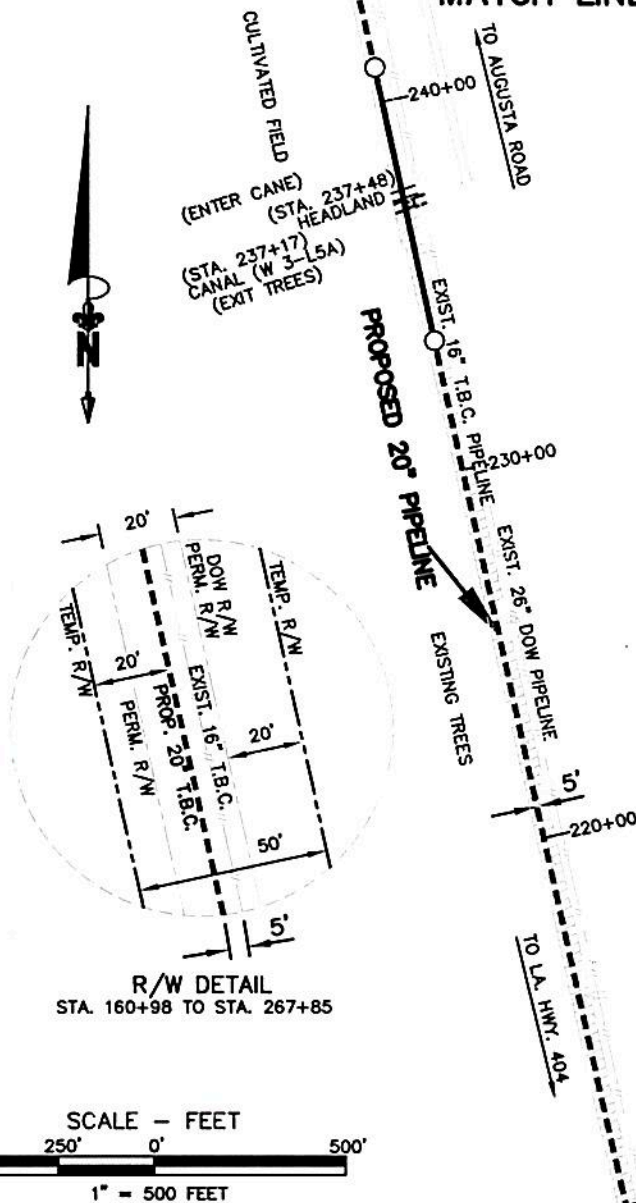
IBERVILLE PARISH
 LOUISIANA

M.E. & A. DWG. NO. 14069, SHEET 7 OF 62

REV.	DATE	DESCRIPTION	DRAWN	CHKD.	APPD.
0	4/24/17	ISSUED DRAWINGS	REK	JJM	JJM

IBERVILLE PARISH, LOUISIANA
SEC. 1, T11S-R12E AND SEC's. 2, 3, 6, 10, 49, 54, 55, 56, 57, 58, 59, 60, 77, 95, 103, T10S-R12E,
AND SEC. 99, T9S-R12E, AND SEC's. 22, 23, 24, 25, 37, 64, 65, 69, T9S-R13E

MATCH LINE STA. 243+66



LEGEND:

(SOLID) H.D.D.
(DASHED) OPEN CUT

NOTE:

NO ADDITIONAL WORK SPACE IS REQ'D.
FOR H.D.D. AND BACK STRINGING OF PIPE.
ALL WORK TO BE DONE IN TEMP. R/W.

FOR H.D.D. PLAN & PROFILE
SEE SHEET 36 OF 62

FOR EXC. & BACKFILL STA. 160+98 TO 267+85
PLAN & PROFILE SEE SHEET 21 OF 62 SEC. "C-C"

WETLAND IMPACTS THIS SHEET = 3.18 ACRES

DENOTES NON WETLANDS
(±0.79 ACRES THIS SHEET)
 DENOTES PEM EMERGENT WETLANDS
(±3.12 ACRES THIS SHEET)
 DENOTES PFO FOREST WETLANDS
(±0.02 ACRES THIS SHEET)
 DENOTES OTHER WATERS
(±0.04 ACRES THIS SHEET)

R/W DETAIL
STA. 160+98 TO STA. 267+85

SCALE - FEET
500' 250' 0' 500'
1" = 500 FEET

MATCH LINE STA. 209+91

NOTE:
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TEXAS BRINE
COMPANY, LLC

PERMIT APPLICATION FOR
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PIPELINE

GENERAL LAYOUT MAP 7 OF 17

IBERVILLE PARISH
LOUISIANA

M.E. & A. DWG. NO. 14069, SHEET 8 OF 62

REV.	DATE	DESCRIPTION	DRAWN	CHKD.	APPD.
0	4/24/17	ISSUED DRAWINGS	REK	JJM	JJM

IBERVILLE PARISH, LOUISIANA
 SEC. 1, T11S-R12E AND SEC's 2, 3, 6, 10, 49, 54, 55, 56, 57, 58, 59, 60, 77, 95, 103, T10S-R12E,
 AND SEC. 99, T9S-R12E, AND SEC's 22, 23, 24, 25, 37, 64, 65, 69, T9S-R13E

MATCH LINE STA. 278+11

LEGEND:

(SOLID) H.D.D.
 (DASHED) OPEN CUT

NOTE:

NO ADDITIONAL WORK SPACE IS REQ'D.
 FOR H.D.D. AND BACK STRINGING OF PIPE.
 ALL WORK TO BE DONE IN TEMP. R/W.

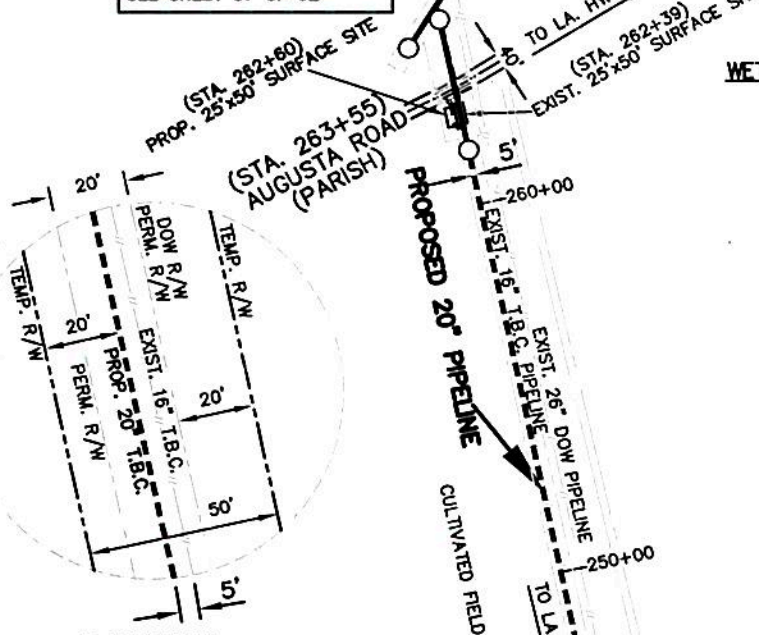
FOR H.D.D. PLAN & PROFILE
 SEE SHEET 37 & 38 OF 62

FOR EXC. & BACKFILL STA. 160+98 TO 267+85
 PLAN & PROFILE SEE SHEET 21 OF 62 SEC. "C-C"
 FOR EXC. & BACKFILL STA. 267+85 TO 300+73
 PLAN & PROFILE SEE SHEET 22 OF 62 SEC. "D-D"

WETLAND IMPACTS THIS SHEET = 0.02 ACRES

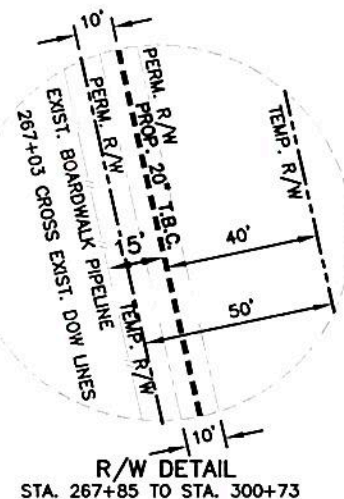
□ DENOTES NON WETLANDS
 (±4.49 ACRES THIS SHEET)
 □ DENOTES OTHER WATERS
 (±0.02 ACRES THIS SHEET)

FOR BLASTING & PAINTING
 SEE SHEET 37 OF 62



R/W DETAIL
 STA. 160+98 TO STA. 267+85

SCALE - FEET
 500' 250' 0' 500'
 1" = 500 FEET



R/W DETAIL
 STA. 267+85 TO STA. 300+73

MATCH LINE STA. 243+66

NOTE:
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 PIPELINE

GENERAL LAYOUT MAP 8 OF 17

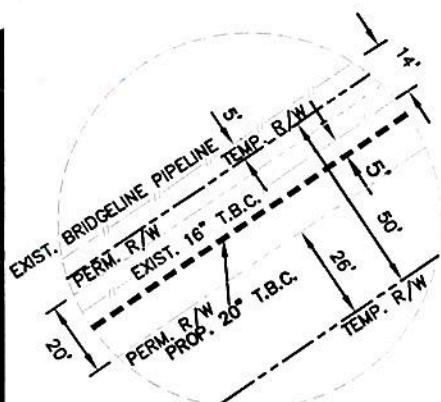
IBERVILLE PARISH
 LOUISIANA

M.E. & A. DWG. NO. 14069, SHEET 9 OF 62

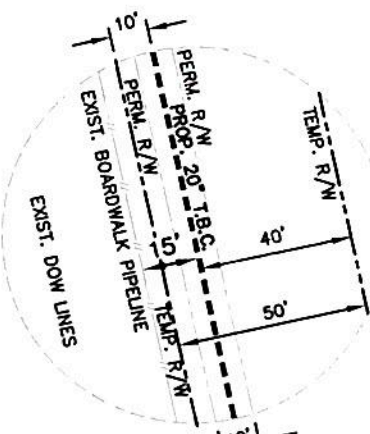
REV.	DATE	DESCRIPTION	DRAWN	CHKD.	APPD.
0	4/24/17	ISSUED DRAWINGS	REK	JJM	JJM

IBERVILLE PARISH, LOUISIANA
 SEC. 1, T11S-R12E AND SEC's. 2, 3, 6, 10, 49, 54, 55, 56, 57, 58, 59, 60, 77, 95, 103, T10S-R12E,
 AND SEC. 99, T9S-R12E, AND SEC's. 22, 23, 24, 25, 37, 64, 65, 69, T9S-R13E

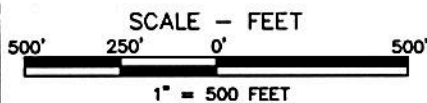
MATCH LINE STA. 319+78



R/W DETAIL
 STA. 300+73 TO STA. 332+24



R/W DETAIL
 STA. 267+85 TO STA. 300+73



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JOEL J. MILLER
 LA. LICENSE NO. 29638

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TEXAS BRINE
 COMPANY, LLC

PERMIT APPLICATION FOR
 PROPOSED 20" x 63,798'
 PIPELINE

GENERAL LAYOUT MAP 9 OF 17

IBERVILLE PARISH
 LOUISIANA

M.E. & A. DWG. NO. 14069, SHEET 10 OF 62

REV.	DATE	DESCRIPTION	DRAWN	CHKD.	APPD.
0	4/24/17	ISSUED DRAWINGS	REK	JJM	JJM

LEGEND:
 --- OPEN CUT
 (DASHED)

NOTE:
 ALL WORK TO BE DONE IN TEMP. R/W.

FOR EXC. & BACKFILL STA. 267+85 TO 300+73
 PLAN & PROFILE SEE SHEET 22 OF 62 SEC. "D-D"

FOR EXC. & BACKFILL STA. 300+73 TO 332+24
 PLAN & PROFILE SEE SHEET 23 OF 62 SEC. "E-E"

WETLAND IMPACTS THIS SHEET = 0.01 ACRES

DENOTES NON WETLANDS
 (±4.73 ACRES THIS SHEET)
 DENOTES OTHER WATERS
 (±0.01 ACRES THIS SHEET)

MATCH LINE STA. 278+11

IBERVILLE PARISH, LOUISIANA
 SEC. 1, T11S-R12E AND SEC's. 2, 3, 6, 10, 49, 54, 55, 56, 57, 58, 59, 60, 77, 95, 103, T10S-R12E,
 AND SEC. 99, T9S-R12E, AND SEC's. 22, 23, 24, 25, 37, 64, 65, 69, T9S-R13E

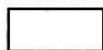

LEGEND:
 - - - - - OPEN CUT
 (DASHED)

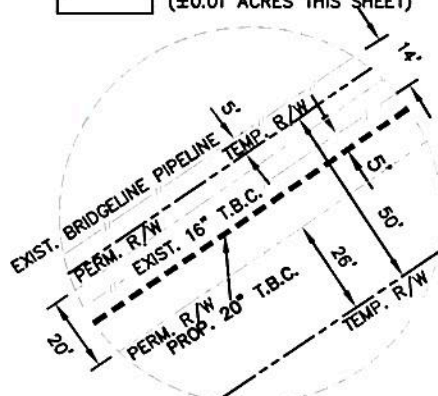
NOTE:
 ALL WORK TO BE DONE IN TEMP. R/W.

FOR EXC. & BACKFILL STA. 300+73 TO 332+24
 PLAN & PROFILE SEE SHEET 23 OF 62 SEC. "E-E"

FOR EXC. & BACKFILL STA. 332+24 TO 360+84
 PLAN & PROFILE SEE SHEET 24 OF 62 SEC. "F-F"

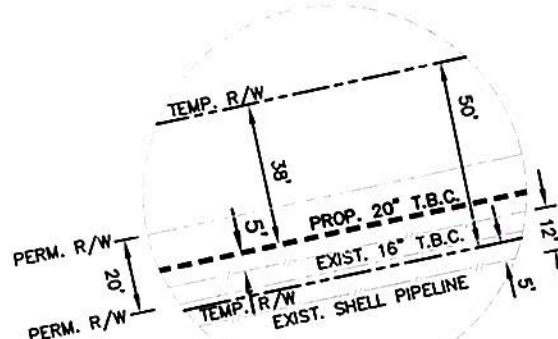
WETLAND IMPACTS THIS SHEET = 0.01 ACRES

 DENOTES NON WETLANDS
 (±2.35 ACRES THIS SHEET)
 DENOTES OTHER WATERS
 (±0.01 ACRES THIS SHEET)

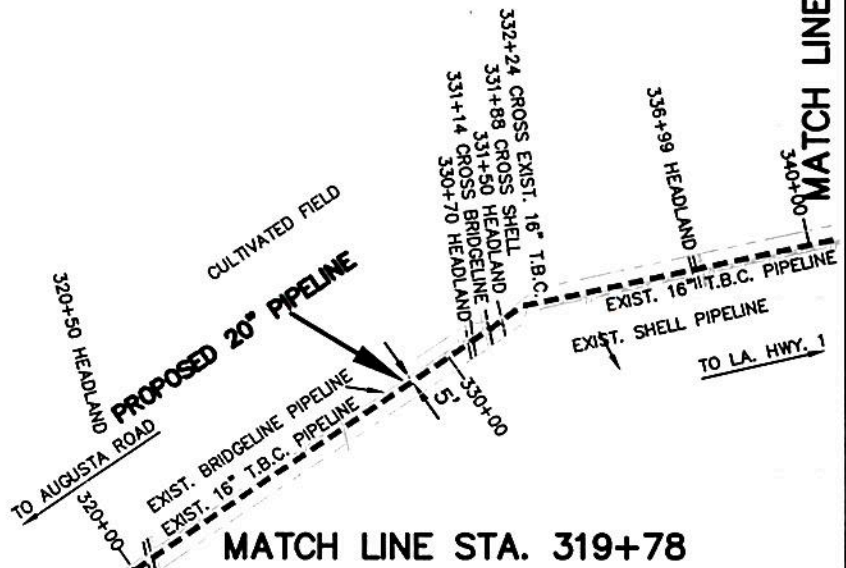


R/W DETAIL
 STA. 300+73 TO STA. 332+24

SCALE - FEET
 500' 250' 0' 500'
 1" = 500 FEET



R/W DETAIL
 STA. 332+24 TO STA. 360+84



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 PLANS. PROPERTY LINES SHOWN ARE FROM COMPILED
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* SEE SHEET 62 OF 62 FOR GENERAL
 NOTES AND REFERENCES.

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PREPARED BY:



Miller Engineers & Associates, Inc.

PRELIMINARY

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JOEL J. MILLER
 LA. LICENSE NO. 29638



**TEXAS BRINE
 COMPANY, LLC**

PERMIT APPLICATION FOR
 PROPOSED 20" x 63,798'
 PIPELINE

GENERAL LAYOUT MAP 10 OF 17
 IBERVILLE PARISH
 LOUISIANA

M.E. & A. DWG. NO. 14069, SHEET 11 OF 62

REV.	DATE	DESCRIPTION	DRAWN	CHKD.	APPD.
0	4/24/17	ISSUED DRAWINGS	REK	JJM	JJM

IBERVILLE PARISH, LOUISIANA
 SEC. 1, T11S-R12E AND SEC's. 2, 3, 6, 10, 49, 54, 55, 56, 57, 58, 59, 60, 77, 95, 103, T10S-R12E,
 AND SEC. 99, T9S-R12E, AND SEC's. 22, 23, 24, 25, 37, 64, 65, 69, T9S-R13E

MATCH LINE STA. 382+96

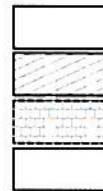
LEGEND:
 - - - - - OPEN CUT
 (DASHED)

NOTE:
 ALL WORK TO BE DONE IN TEMP. R/W.

FOR EXC. & BACKFILL STA. 332+24 TO 360+84
 PLAN & PROFILE SEE SHEET 24 OF 62 SEC. "F-F"

FOR EXC. & BACKFILL STA. 360+84 TO 370+30
 PLAN & PROFILE SEE SHEET 25 OF 62 SEC. "G-G"

WETLAND IMPACTS THIS SHEET = 1.60 ACRES


 DENOTES NON WETLANDS
 (±3.50 ACRES THIS SHEET)
 DENOTES PEM EMERGENT WETLANDS
 (±0.82 ACRES THIS SHEET)
 DENOTES PFO FOREST WETLANDS
 (±0.77 ACRES THIS SHEET)
 DENOTES OTHER WATERS
 (±0.01 ACRES THIS SHEET)

R/W DETAIL
 STA. 360+84 TO STA. 370+30

MATCH LINE STA. 340+81

R/W DETAIL
 STA. 332+24 TO STA. 360+84

SCALE - FEET
 500' 250' 0' 500'
 1" = 500 FEET

NOTE:
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PERMIT APPLICATION FOR
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 PIPELINE

GENERAL LAYOUT MAP 11 OF 17

IBERVILLE PARISH
 LOUISIANA

REV.	DATE	DESCRIPTION	DRAWN	CHKD.	APPD.
0	4/24/17	ISSUED DRAWINGS	REK	JJM	JJM

M.E. & A. DWG. NO. 14069, SHEET 12 OF 62

IBERVILLE PARISH, LOUISIANA
 SEC. 1, T11S-R12E AND SEC's. 2, 3, 6, 10, 49, 54, 55, 56, 57, 58, 59, 60, 77, 95, 103, T10S-R12E,
 AND SEC. 99, T9S-R12E, AND SEC's. 22, 23, 24, 25, 37, 64, 65, 69, T9S-R13E

MATCH LINE STA. 416+32



LEGEND:

(SOLID)	H.D.D.
(DASHED)	OPEN CUT

NOTE:
 NO ADDITIONAL WORK SPACE IS REQ'D.
 FOR H.D.D. AND BACK STRINGING OF PIPE.
 ALL WORK TO BE DONE IN TEMP. R/W.

FOR H.D.D. PLAN & PROFILE
 SEE SHEET 45 OF 62

FOR EXC. & BACKFILL STA. 370+30 TO 442+57
 PLAN & PROFILE SEE SHEET 26 OF 62 SEC. "H-H"

WETLAND IMPACTS THIS SHEET = 0.02 ACRES

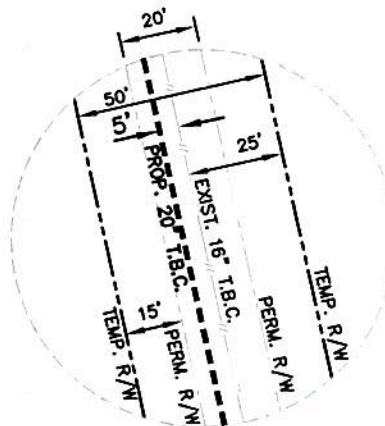
	DENOTES NON WETLANDS (±4.94 ACRES THIS SHEET)
	DENOTES OTHER WATERS (±0.02 ACRES THIS SHEET)

392+00 EXXON PIPELINES

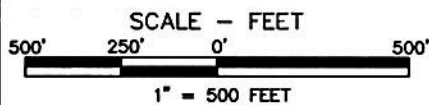
388+85 SHELL PIPELINE

HEADLAND
 386+82 EXIST. 60" CULV. & DITCH
 PROPERTY LINE

MATCH LINE STA. 382+96



R/W DETAIL
 STA. 370+30 TO STA. 442+57



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 LA. LICENSE NO. 29538



TEXAS BRINE
 COMPANY, LLC

PERMIT APPLICATION FOR
 PROPOSED 20" x 63,798'
 PIPELINE

GENERAL LAYOUT MAP 12 OF 17

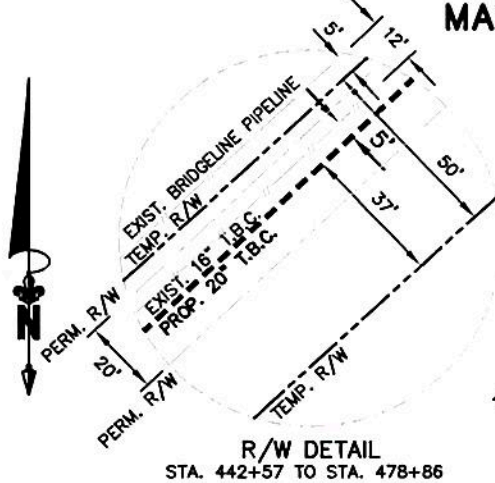
IBERVILLE PARISH
 LOUISIANA

M.E. & A. DWG. NO. 14069, SHEET 13 OF 62

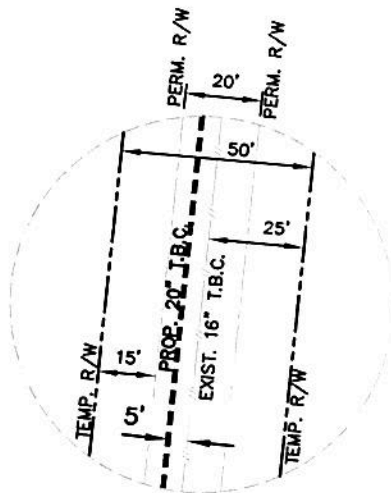
REV.	DATE	DESCRIPTION	DRAWN	CHKD.	APPD.
0	4/24/17	ISSUED DRAWINGS	REK	JJM	JJM

IBERVILLE PARISH, LOUISIANA
 SEC. 1, T11S-R12E AND SEC's. 2, 3, 6, 10, 49, 54, 55, 56, 57, 58, 59, 60, 77, 95, 103, T10S-R12E,
 AND SEC. 99, T9S-R12E, AND SEC's. 22, 23, 24, 25, 37, 64, 65, 69, T9S-R13E

MATCH LINE STA. 453+40

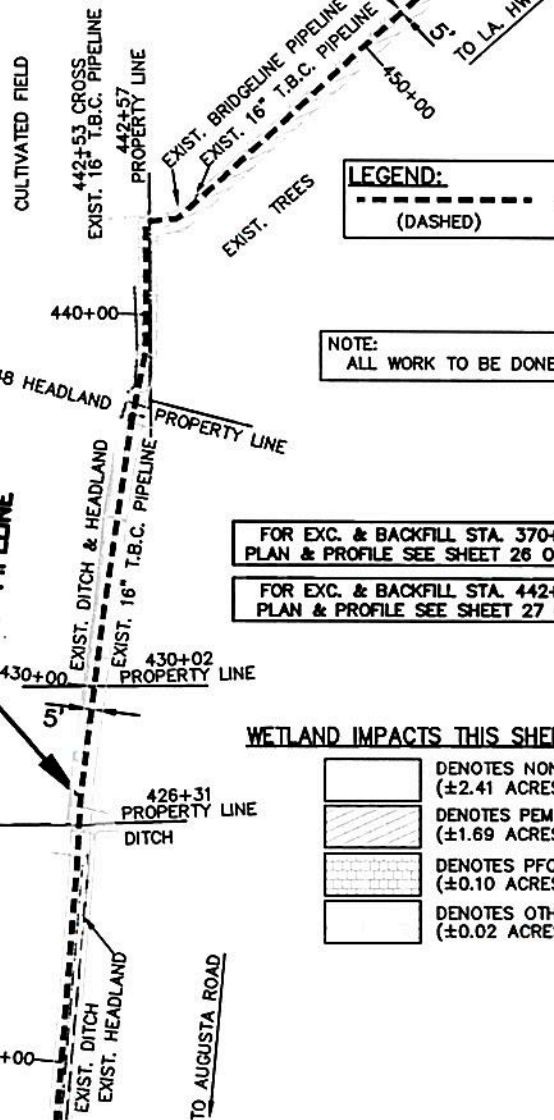
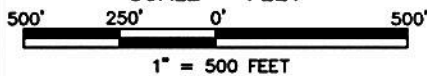


R/W DETAIL
 STA. 442+57 TO STA. 478+86



R/W DETAIL
 STA. 370+30 TO STA. 442+57

SCALE - FEET



LEGEND:
 --- OPEN CUT
 (DASHED)

NOTE:
 ALL WORK TO BE DONE IN TEMP. R/W.

FOR EXC. & BACKFILL STA. 370+30 TO 442+57
 PLAN & PROFILE SEE SHEET 26 OF 62 SEC. "H-H"

FOR EXC. & BACKFILL STA. 442+57 TO 478+86
 PLAN & PROFILE SEE SHEET 27 OF 62 SEC. "I-I"

WETLAND IMPACTS THIS SHEET = 1.81 ACRES

	DENOTES NON WETLANDS (±2.41 ACRES THIS SHEET)
	DENOTES PEM EMERGENT WETLANDS (±1.69 ACRES THIS SHEET)
	DENOTES PFO FOREST WETLANDS (±0.10 ACRES THIS SHEET)
	DENOTES OTHER WATERS (±0.02 ACRES THIS SHEET)

MATCH LINE STA. 416+32

NOTE:
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 NOTES AND REFERENCES.

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TEXAS BRINE
 COMPANY, LLC

PERMIT APPLICATION FOR
 PROPOSED 20" x 63,798'
 PIPELINE

GENERAL LAYOUT MAP 13 OF 17

IBERVILLE PARISH
 LOUISIANA

M.E. & A. DWG. NO. 14069, SHEET 14 OF 62

REV.	DATE	DESCRIPTION	DRAWN	CHKD.	APPD.
0	4/24/17	ISSUED DRAWINGS	REK	JJM	JJM

IBERVILLE PARISH, LOUISIANA
 SEC. 1, T11S-R12E AND SEC's. 2, 3, 6, 10, 49, 54, 55, 56, 57, 58, 59, 60, 77, 95, 103, T10S-R12E,
 AND SEC. 99, T9S-R12E, AND SEC's. 22, 23, 24, 25, 37, 64, 65, 69, T9S-R13E

MATCH LINE STA. 504+40

LEGEND:

(SOLID) H.D.D.
 (DASHED) OPEN CUT



TO PLACEMINE

461+28 UNION PACIFIC RAILROAD

SCALE - FEET
 500' 250' 0' 500'
 1" = 500 FEET

457+87 PROPERTY LINE
 458+59 DITCH
 457+36 BOARDWALK
 EXIST. BRIDGELINE PIPELINE

MATCH LINE STA. 453+40

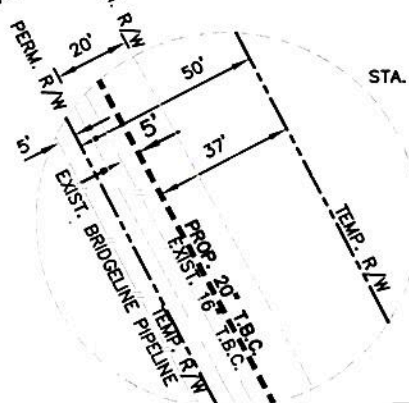
EXIST. BRIDGELINE PIPELINE
 CANAL 487+91 (W-4-L-14 D)

100' SHINTECH PLANT ENTRANCE ROAD

PROPOSED 20" PIPELINE

NOTE:
 ADDITIONAL WORK SPACE IS REQ'D.
 FOR H.D.D. AND BACK STRINGING OF PIPE.
 ALL WORK TO BE DONE IN TEMP. R/W.

R/W DETAIL
 STA. 442+57 TO STA. 478+86



FOR H.D.D. PLAN & PROFILE
 SEE SHEET 47 & 48 OF 62

WETLAND IMPACTS THIS SHEET = 4.87 ACRES

- DENOTES NON WETLANDS (±0.91 ACRES THIS SHEET)
- DENOTES PEM EMERGENT WETLANDS (±2.01 ACRES THIS SHEET)
- DENOTES PFO FOREST WETLANDS (±2.05 ACRES THIS SHEET)
- DENOTES PSS SHRUB WETLANDS (±0.27 ACRES THIS SHEET)
- DENOTES OTHER WATERS (±0.54 ACRES THIS SHEET)

NOTE:
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* SEE SHEET 62 OF 62 FOR GENERAL NOTES AND REFERENCES.

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TEXAS BRINE
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PERMIT APPLICATION FOR
 PROPOSED 20" x 63,798'
 PIPELINE

GENERAL LAYOUT MAP 14 OF 17

IBERVILLE PARISH
 LOUISIANA

REV.	DATE	DESCRIPTION	DRAWN	CHKD.	APPD.
0	4/24/17	ISSUED DRAWINGS	REK	JJM	JJM

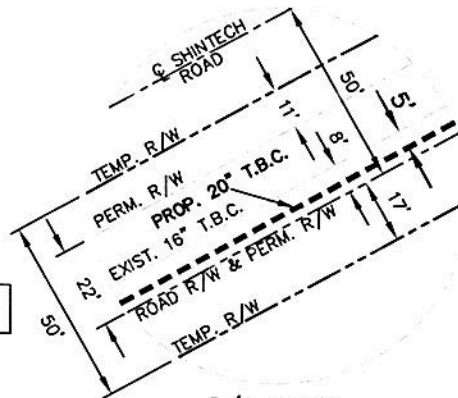
M.E. & A. DWG. NO. 14069, SHEET 15 OF 62

IBERVILLE PARISH, LOUISIANA
 SEC. 1, T11S-R12E AND SEC's. 2, 3, 6, 10, 49, 54, 55, 56, 57, 58, 59, 60, 77, 95, 103, T10S-R12E,
 AND SEC. 99, T9S-R12E, AND SEC's. 22, 23, 24, 25, 37, 64, 65, 69, T9S-R13E

LEGEND:
 --- OPEN CUT
 (DASHED)

NOTE:
 ALL WORK TO BE DONE IN TEMP. R/W.

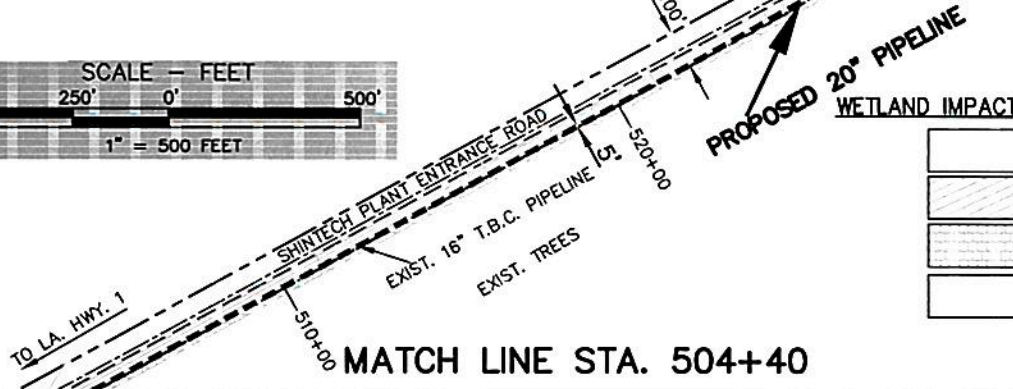
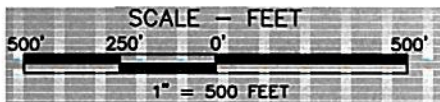
FOR EXC. & BACKFILL STA. 478+86 TO 541+42
 PLAN & PROFILE SEE SHEET 28 OF 62 SEC. "J-J"



R/W DETAIL
 STA. 478+86 TO STA. 541+42

EXIST. BRIDGELINE PIPELINE
 541+14 LA. AROMATICS PIPELINE
 540+89 BOARDWALK ETHYLENE LINE
 540+88 PETRO. LOG. BRINE LINES
 540+70 BOARDWALK VCM LINE
 540+04 BOARDWALK VCM LINE
 539+35 LIMESTONE ROAD

MATCH LINE STA. 546+98



WETLAND IMPACTS THIS SHEET = 3.74 ACRES

- DENOTES NON WETLANDS
 (±1.21 ACRES THIS SHEET)
- DENOTES PEM EMERGENT WETLANDS
 (±0.80 ACRES THIS SHEET)
- DENOTES PFO FOREST WETLANDS
 (±2.27 ACRES THIS SHEET)
- DENOTES OTHER WATERS
 (±0.67 ACRES THIS SHEET)

NOTE:
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 PIPELINE

GENERAL LAYOUT MAP 15 OF 17
 IBERVILLE PARISH
 LOUISIANA

M.E. & A. DWG. NO. 14069, SHEET 16 OF 62

REV.	DATE	DESCRIPTION	DRAWN	CHKD.	APPD.
0	4/24/17	ISSUED DRAWINGS	REK	JJM	JJM

IBERVILLE PARISH, LOUISIANA
 SEC. 1, T11S-R12E AND SEC's. 2, 3, 6, 10, 49, 54, 55, 56, 57, 58, 59, 60, 77, 95, 103, T10S-R12E,
 AND SEC. 99, T9S-R12E, AND SEC's. 22, 23, 24, 25, 37, 64, 65, 69, T9S-R13E

MATCH LINE STA. 546+98

LEGEND:

--- OPEN CUT
 (DASHED)

NOTE:
 ALL WORK TO BE DONE IN TEMP. R/W.

FOR EXC. & BACKFILL STA. 541+42 TO 575+68
 PLAN & PROFILE SEE SHEET 29 OF 62 SEC. "K-K"

547+81 RAIL SPUR
 550+00
 TO PLANT ENTRANCE ROAD

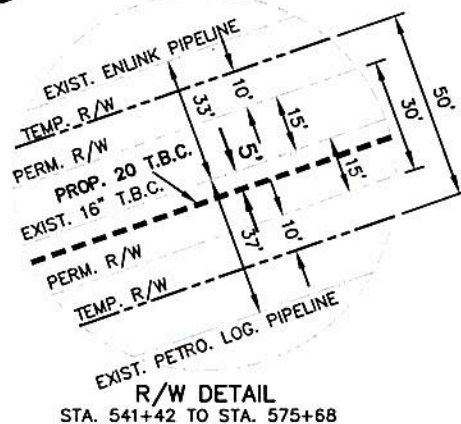
EXIST. ENLINK PIPELINE
 553+24 BOARDWALK VCM LINE
 550+00
 EXIST. PETRO. LOG. PIPELINE

EXIST. 16" T.B.C. PIPELINE
PROPOSED 20" PIPELINE

570+41 BOARDWALK ETHYLENE
 570+40 PETRO. LOG. PIPELINE
 568+97 ENLINK PIPELINE

EXIST. 16" T.B.C. PIPELINE
 579+52 POWERLINES
 BAYOU LA BUTTE

577+69 ENLINK
 (STA. 575+68)
 PROP. 30'x50' SURFACE SITE
 583+03 ENLINK
 583+25 LA. AROMATIC
 583+46 BOARDWALK BRINE
 583+68 ENLINK
 584+48 RAIL SPUR
 584+94 ENTER TREES



R/W DETAIL
 STA. 541+42 TO STA. 575+68

WETLAND IMPACTS THIS SHEET = 4.21 ACRES

- DENOTES NON WETLANDS
 (±0.52 ACRES THIS SHEET)
- DENOTES PEM EMERGENT WETLANDS
 (±3.76 ACRES THIS SHEET)
- DENOTES PFO FOREST WETLANDS
 (±0.36 ACRES THIS SHEET)
- DENOTES OTHER WATERS
 (±0.09 ACRES THIS SHEET)



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 PIPELINE

GENERAL LAYOUT MAP 16 OF 17

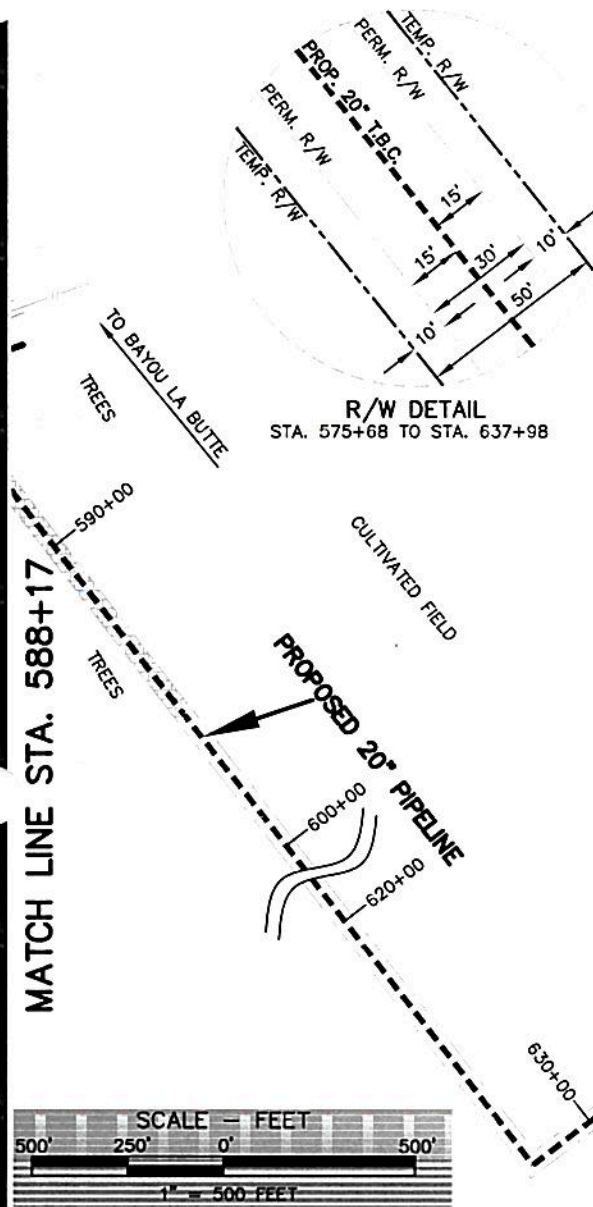
IBERVILLE PARISH
 LOUISIANA

M.E. & A. DWG. NO. 14069, SHEET 17 OF 62

MATCH LINE STA. 588+17

REV.	DATE	DESCRIPTION	DRAWN	CHKD.	APPD.
0	4/24/17	ISSUED DRAWINGS	REK	JJM	JJM

IBERVILLE PARISH, LOUISIANA
 SEC. 1, T11S-R12E AND SEC's. 2, 3, 6, 10, 49, 54, 55, 56, 57, 58, 59, 60, 77, 95, 103, T10S-R12E,
 AND SEC. 99, T9S-R12E, AND SEC's. 22, 23, 24, 25, 37, 64, 65, 69, T9S-R13E



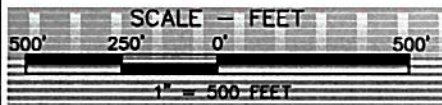
LEGEND:
 - - - - - OPEN CUT
 (DASHED)

NOTE:
 ALL WORK TO BE DONE IN TEMP. R/W.

FOR EXC. & BACKFILL STA. 575+68 TO 637+98
 PLAN & PROFILE SEE SHEET 30 OF 62 SEC. "L-L"

WETLAND IMPACTS THIS SHEET = 0.95 ACRES

- DENOTES NON WETLANDS
(±4.76 ACRES THIS SHEET)
- DENOTES PFO FOREST WETLANDS
(±0.84 ACRES THIS SHEET)
- DENOTES OTHER WATERS
(±0.11 ACRES THIS SHEET)



NOTE:
 THESE DRAWING WERE PREPARED SOLELY FOR
 ACQUISITION OF REGULATORY PERMITS AND DO
 NOT REPRESENT ENGINEERING OR CONSTRUCTION
 PLANS. PROPERTY LINES SHOWN ARE FROM COMPILED
 DATA ACQUIRED FROM ASSESSOR RECORDS AND DO
 NOT REPRESENT A BOUNDARY SURVEY.

* SEE SHEET 62 OF 62 FOR GENERAL
 NOTES AND REFERENCES.

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PREPARED BY:



Miller Engineers & Associates, Inc.

PRELIMINARY

FOR PERMIT PURPOSES ONLY

JOEL J. MILLER
 LA. LICENSE NO. 29638



TEXAS BRINE
 COMPANY, LLC

PERMIT APPLICATION FOR
 PROPOSED 20" x 63,798'
 PIPELINE

GENERAL LAYOUT MAP 17 OF 17

IBERVILLE PARISH
 LOUISIANA

M.E. & A. DWG. NO. 14069, SHEET 18 OF 62

REV.	DATE	DESCRIPTION	DRAWN	CHKD.	APPD.
0	4/24/17	ISSUED DRAWINGS	REK	JJM	JJM