

# JOINT PUBLIC NOTICE

August 5, 2019

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

(504) 862-1577  
Project Manager  
Patricia Clune  
[Patricia.R.Clune@usace.army.mil](mailto:Patricia.R.Clune@usace.army.mil)  
MVN 2019-00630-CE

State of Louisiana  
Department of Environmental Quality  
Water Permits Division  
Post Office Box 4313  
Baton Rouge, Louisiana 70821-4313

(225) 219-3225  
Project Manager  
Elizabeth Hill  
WQC Application Number  
WQC #190724-01

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: [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).

Application has also been made to the Louisiana Department of Environmental Quality, Water Permits Division, for a Water Quality Certification (WQC) in accordance with statutory authority contained in LRS30:2047 A(3), and provisions of Section 401 of the Clean Water Act (P.L.95-17).

## **PROPOSED INSTALLATION OF 20-INCH PIPELINE BETWEEN CLOVELLY STATION AND LOOP'S TANK FARM FACILITIES IN LAFOURCHE PARISH**

**NAME OF APPLICANT:** Crimson Midstream, LLC, c/o T. Baker Smith, LLC., P.O. Box 2266, Houma, LA 70361

**LOCATION OF WORK:** In open waters between Clovelly Station and LOOP, LLC's tank farm facility (Latitude: 29.475786, Longitude: -90.260751 and Latitude: 29.454028, Longitude: 90.265956) near Galliano, Louisiana, in Lafourche Parish, within the East Central Louisiana Coastal basin in hydrological unit (HUC 08090301), as shown on the attached drawings.

**CHARACTER OF WORK:** The applicant has requested Department of the Army permit authorization to install and maintain 1.85 miles of new 20-inch pipeline to support the transport of product between existing facilities. The project will require the excavation of approximately 30,842 cubic yards of material and the placement of approximately 7,646 cubic yards of fill. Approximately 5.1 acres of marsh and 6.4 acres of other waters will be impacted by the pipeline installation and construction of an access road. The applicant will utilize existing canals and roadways. All impacts are anticipated to be temporary. 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. Compensatory mitigation requirements will be assessed after one complete growing season.

The comment period for the Department of the Army Permit modification and the Louisiana Department of Environmental Quality WQC will close **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 modification 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 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 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 the State Historic Preservation Officer.

Our initial finding is that the proposed work would not affect any species, nor affect any habitat designated as critical to the survival and recovery of such species, listed as endangered by the U.S. Department of Interior. The New Orleans District has determined that the proposed project is located in waters known to be utilized by the West Indian Manatee (*Trichechus manatus*). 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 with the inclusion of the Standard Manatee Conditions for In-Water Activities, proposed work is not likely to adversely affect the West Indian Manatee.

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 up to 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 is being reviewed by the Department of Environmental Quality, under permit number WQC-190724-01

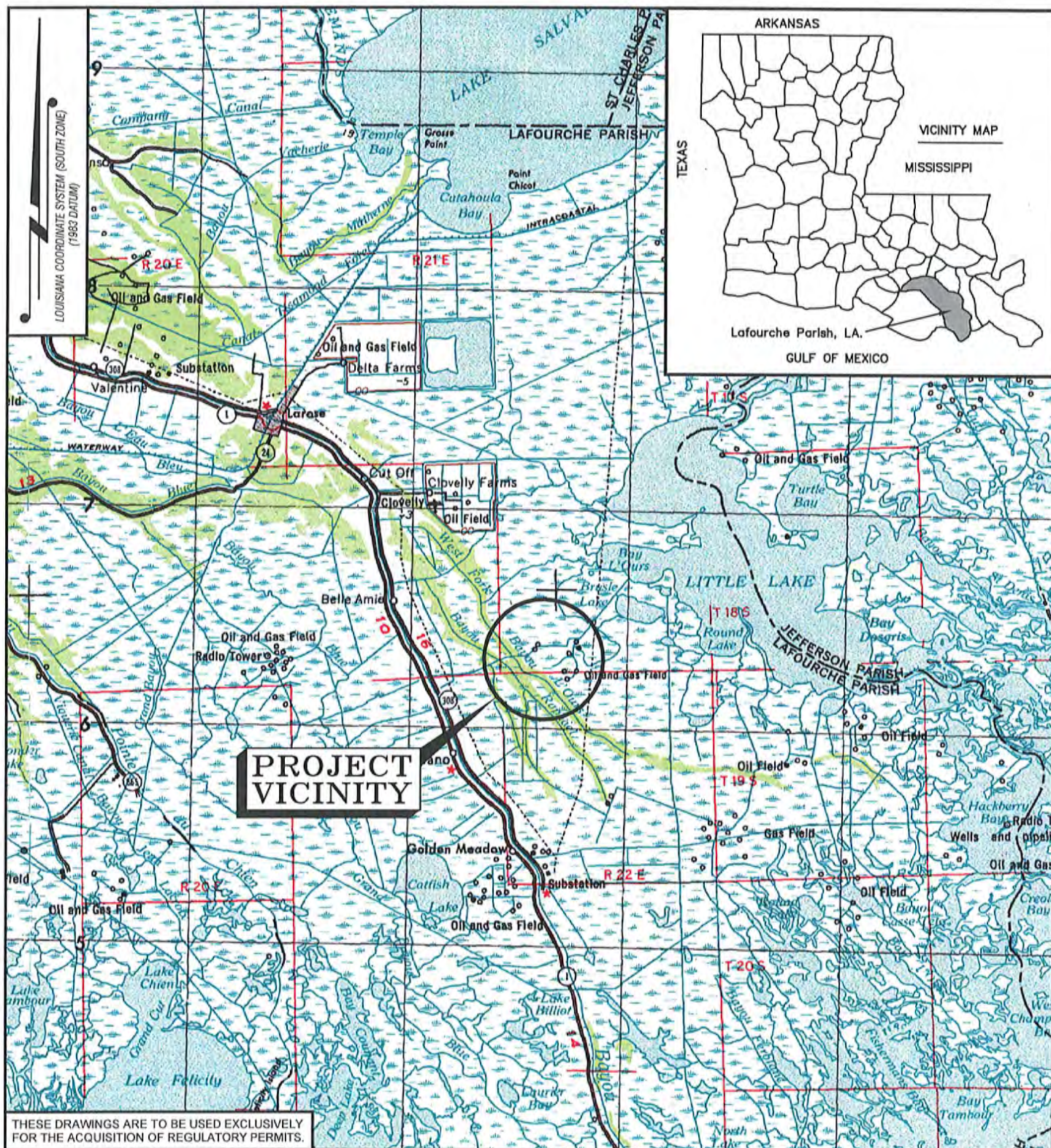
Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for public hearings shall state, with particularity, the reasons for holding a public hearing. You are requested to communicate the information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

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 P20190518). 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.

John M Herman  
Chief, Central Evaluation Section  
Regulatory Branch

Enclosure





THESE DRAWINGS ARE TO BE USED EXCLUSIVELY  
FOR THE ACQUISITION OF REGULATORY PERMITS.

DRAWN BY: LJB APPROVED BY: CJR

DATE: 4/19/19 JOB NO: 2018.1116

DRAWING NAME: 181116P01-03.DWG

SHEET NO: 1 OF 28

PROJECTION: LA-S  
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88  
GRID UNITS: US SURVEY FEET

SCALE: 1" = 4 Miles

4 Miles 2 Miles 0 4 Miles

## VICINITY MAP

CRIMSON MIDSTREAM, LLC  
PROPOSED 20" PIPELINE  
LOCATED IN  
SECTION 31, T18S-R22E  
AND SECTION 7, T19S-R22E  
LAFOURCHE PARISH, LOUISIANA



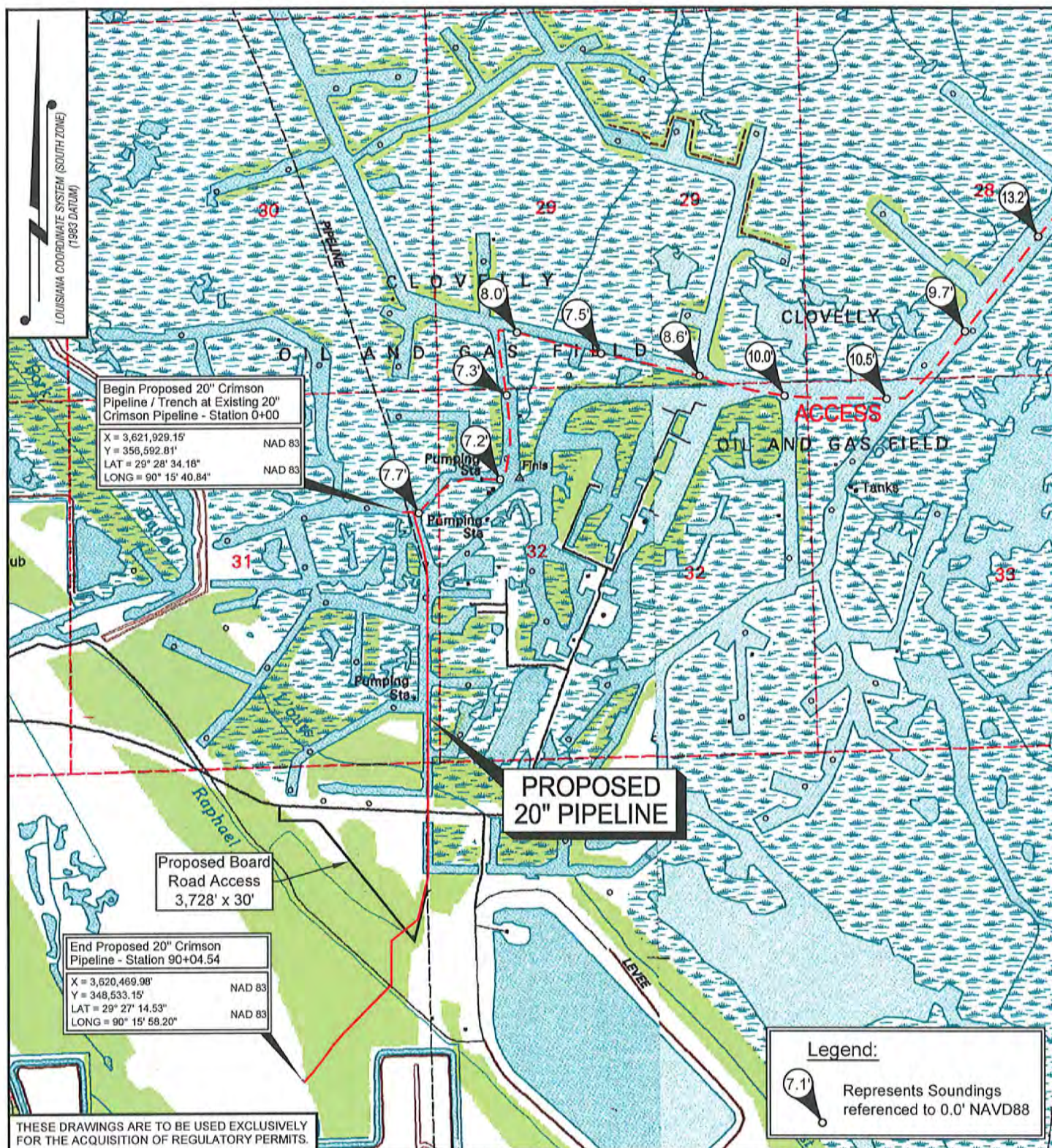
**T. BAKER SMITH**  
A CENTURY OF SOLUTIONS  
412 South Van Ave., Houma, LA 70363  
(985)868-1050 - tbsmiller.com

REV. NO: 00 REV. DATE: --/-- REV. BY: --

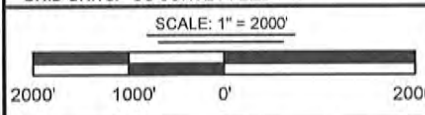
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PROJECTION:	LA-S		
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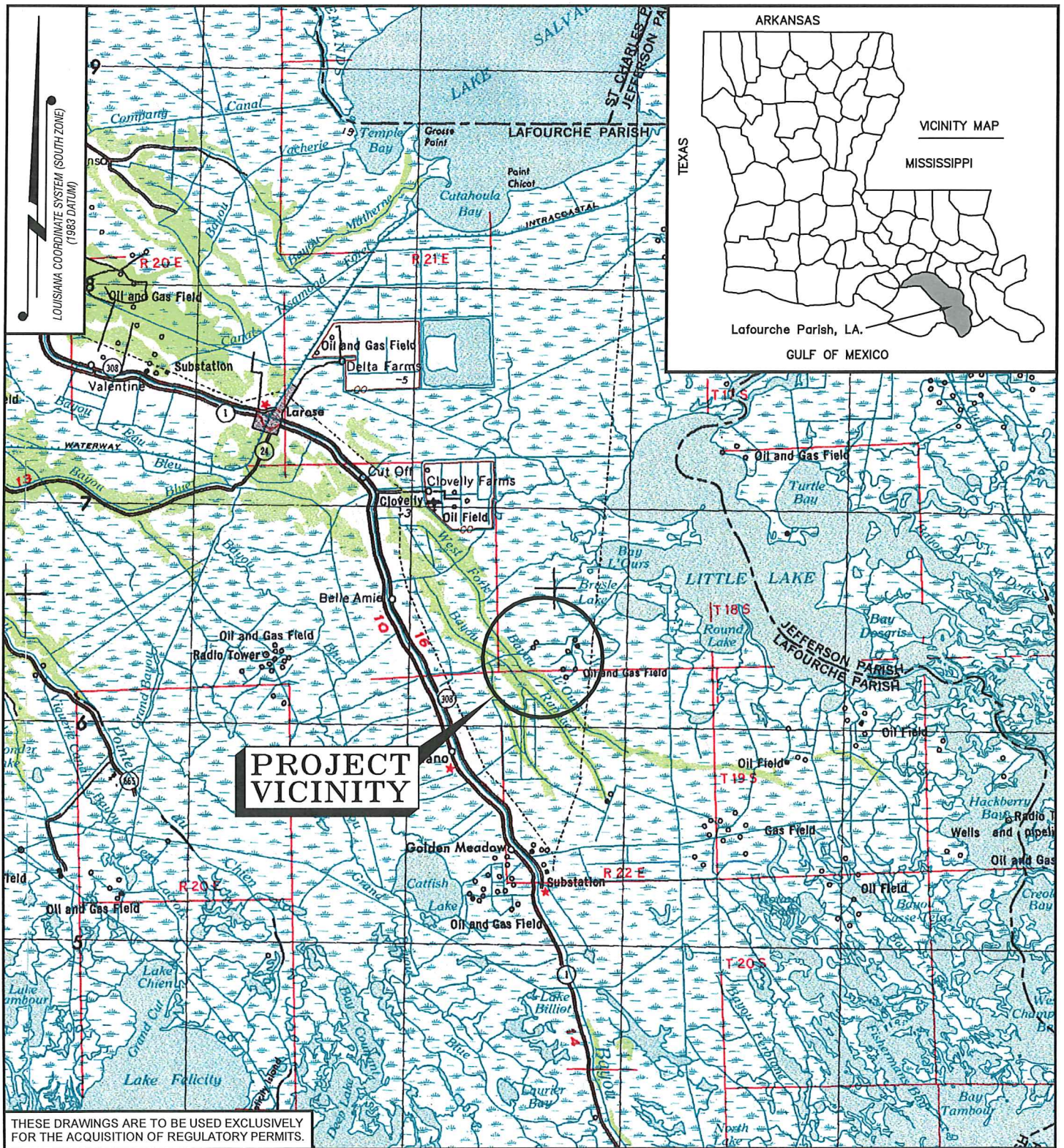


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REV. NO:	01	REV. DATE:	6/03/19	REV. BY:	LJB
REVISION DESCRIPTION: -- General Revisions					

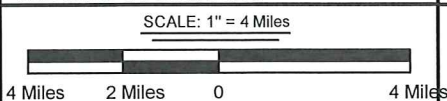
**ACCESS ROUTE**  
**CRIMSON MIDSTREAM, LLC**  
PROPOSED 20" PIPELINE  
LOCATED IN  
SECTION 31, T18S-R22E  
AND SECTION 7, T19S-R22E  
LAFORCHE PARISH, LOUISIANA





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GEO. DATUM:	NAD83		
GRID UNITS:	US SURVEY FEET		



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**LAFOURCHE PARISH, LOUISIANA**

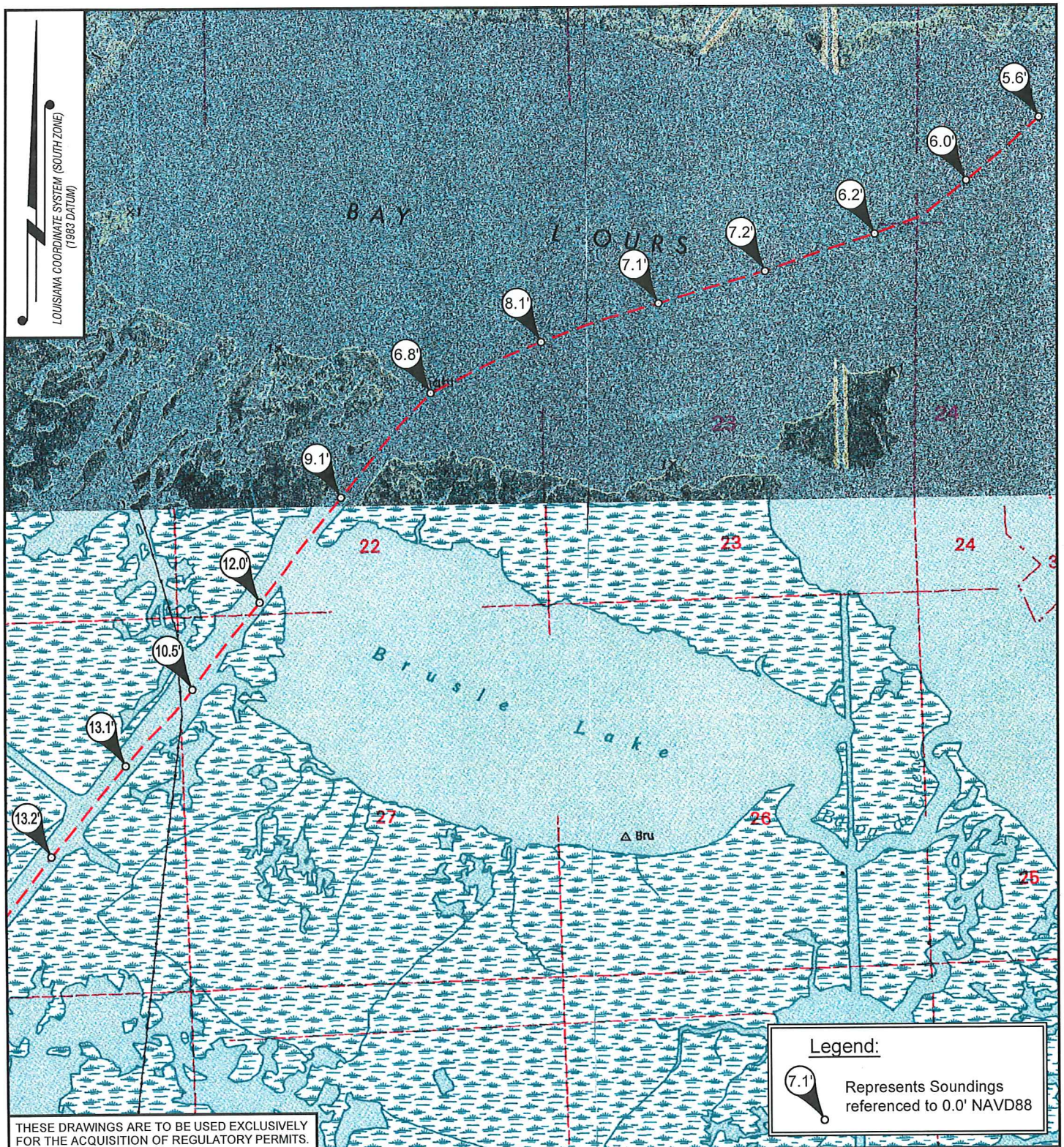


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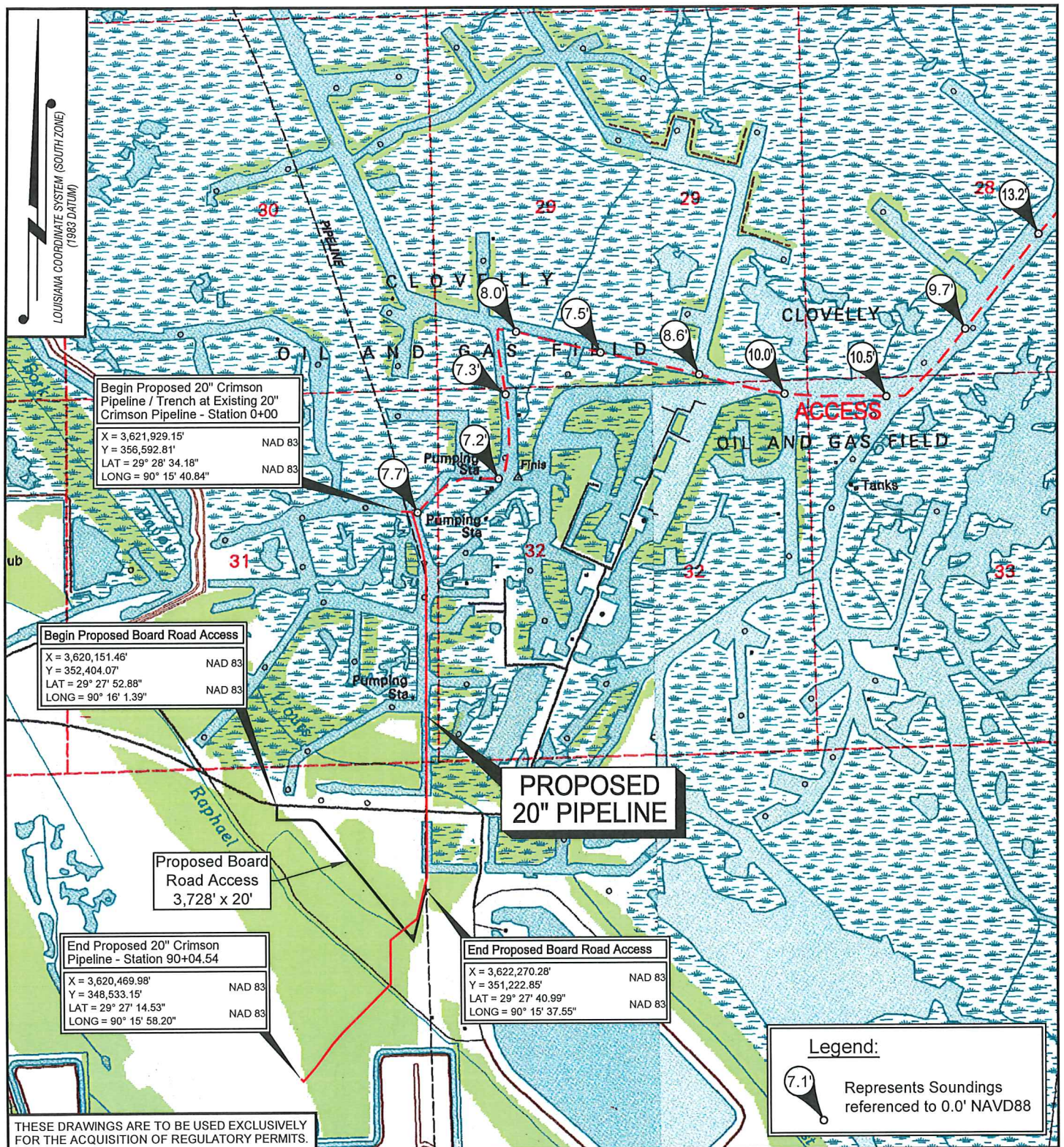
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SHEET NO:	2	OF	28
PROJECTION: LA-S GEO. DATUM: NAD83   VERT. DATUM: NAVD88 GRID UNITS: US SURVEY FEET			
SCALE: 1" = 2000'			

<b>ACCESS ROUTE</b>			
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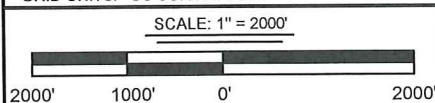


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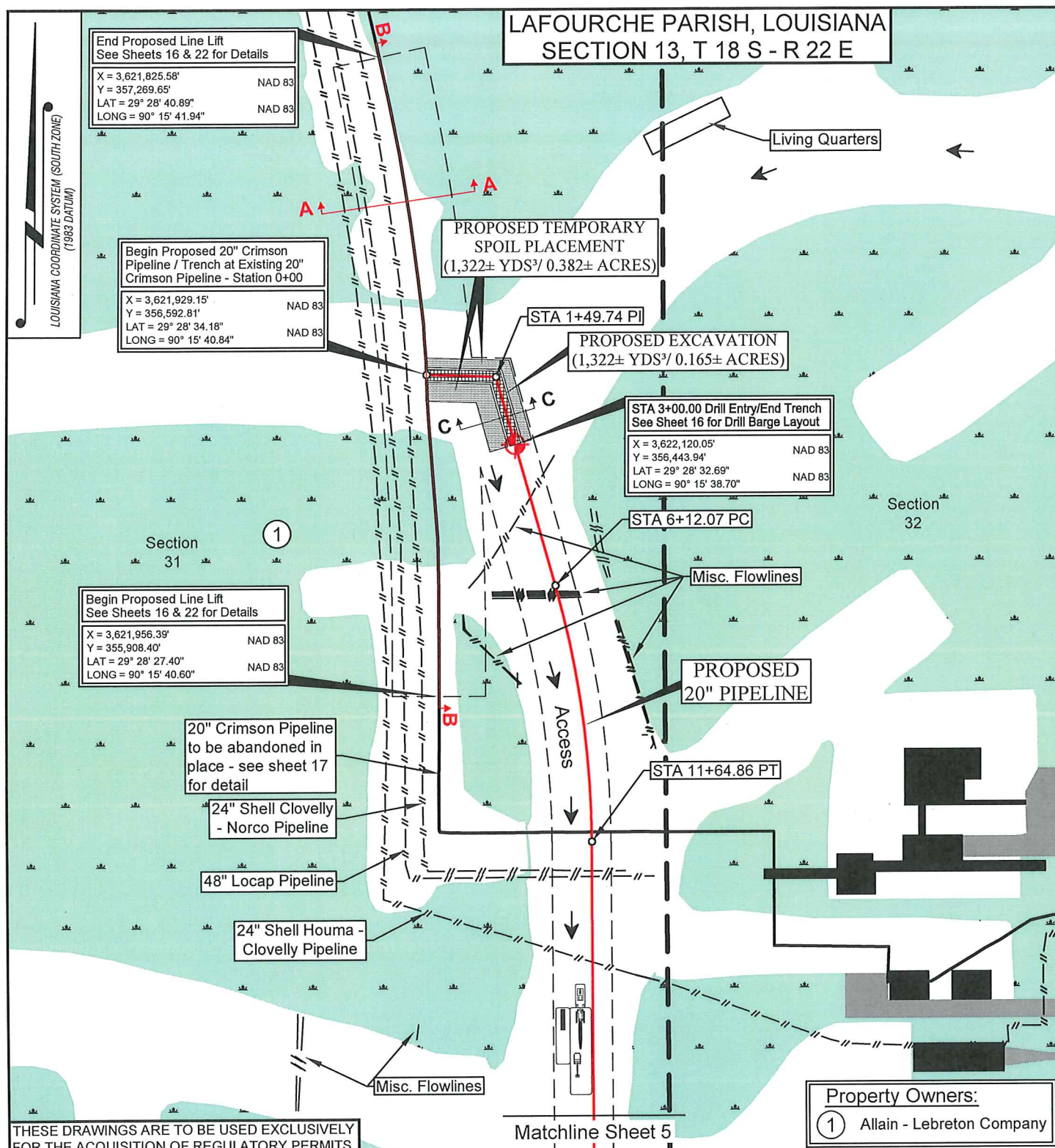


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412 South Van Ave, Houma, LA 70363  
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## PLAN

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LAFOURCHE PARISH, LOUISIANA

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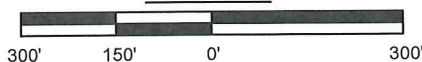
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DRAWING NAME: 181116P04-26.DWG

SHEET NO: 4 OF 26

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SCALE: 1" = 300'



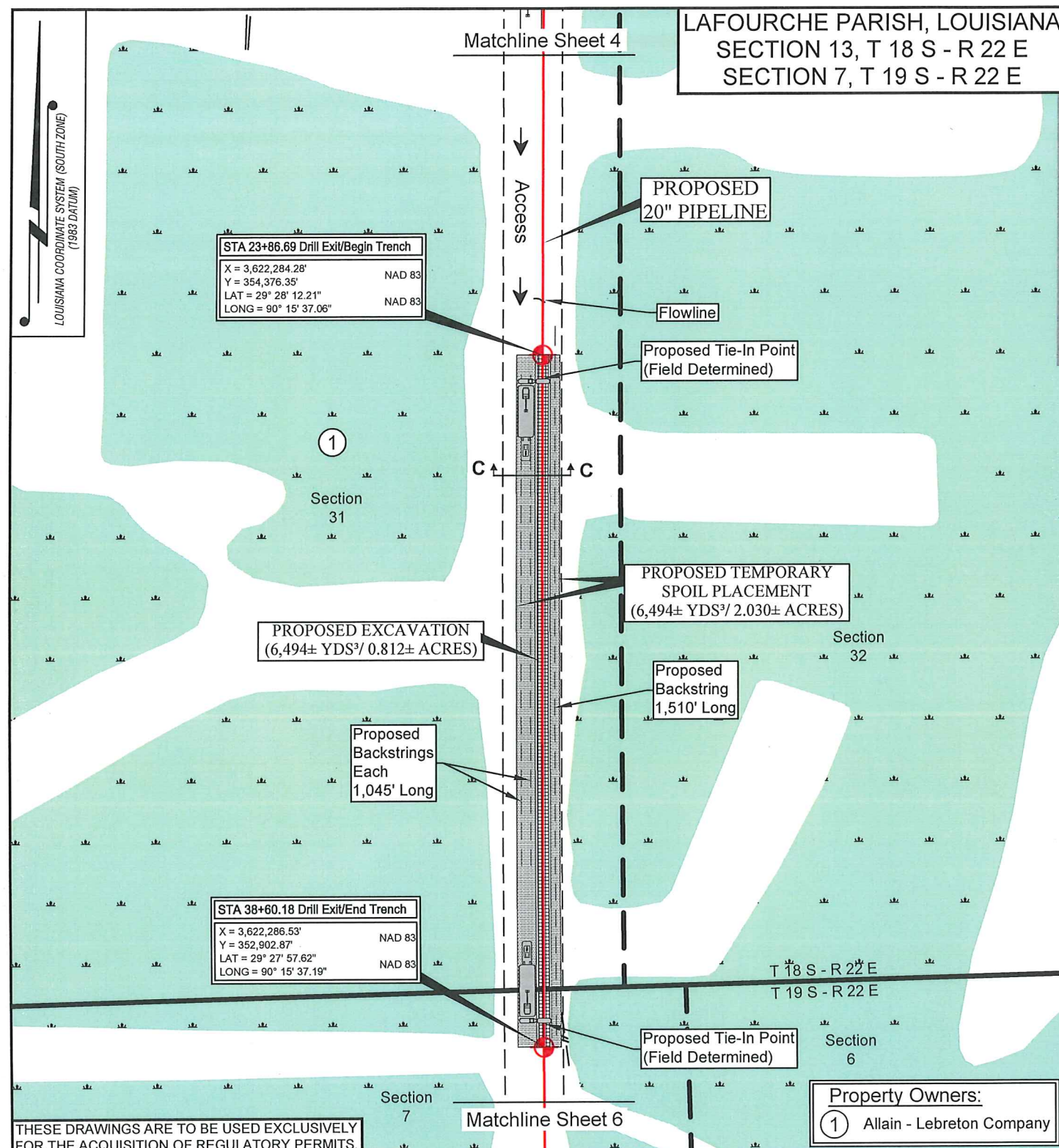
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LAFourche PARISH, LOUISIANA

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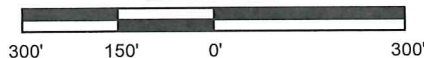
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DRAWING NAME: 181116P04-26.DWG

SHEET NO: 5 OF 26

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SCALE: 1" = 300'



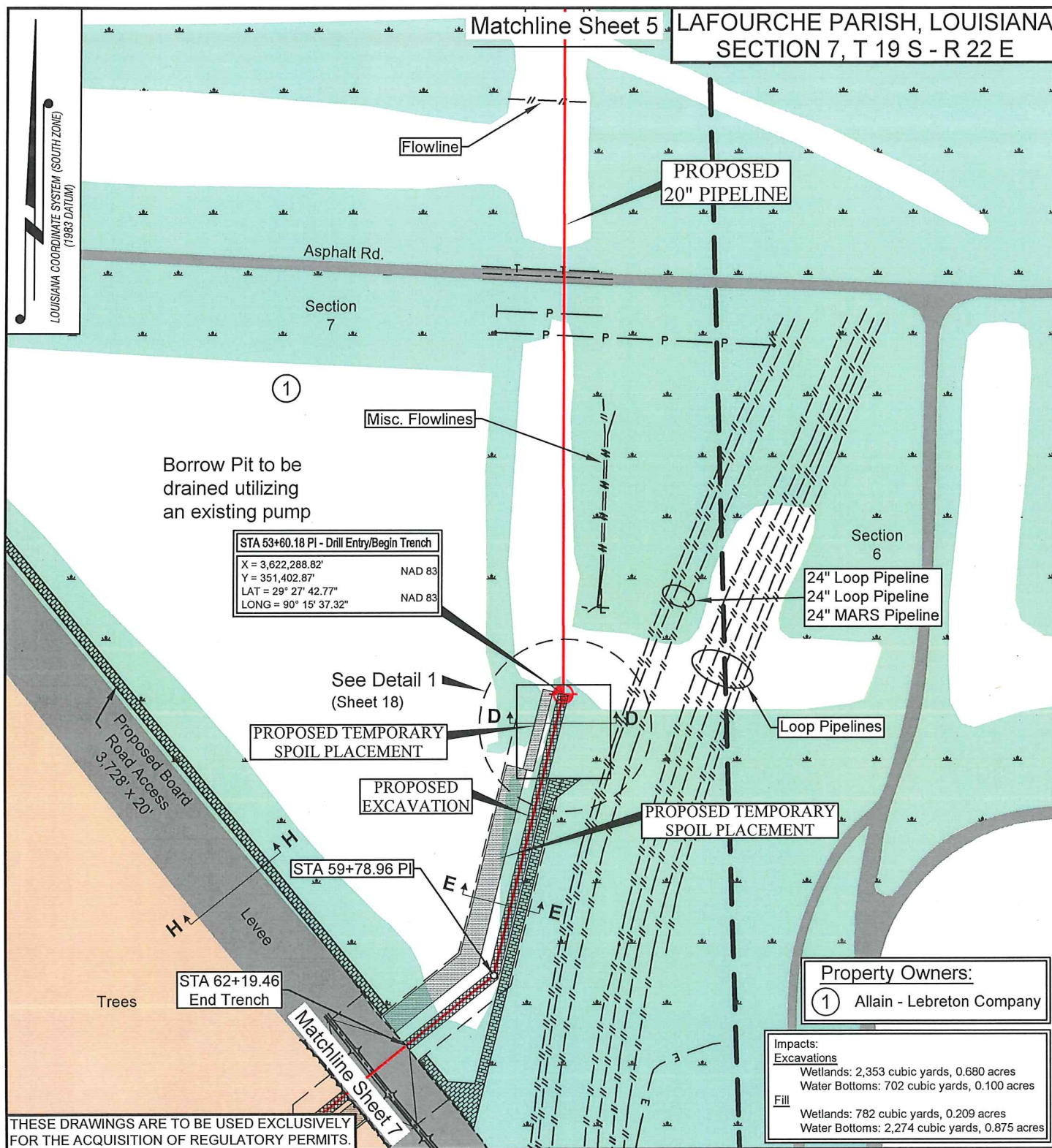
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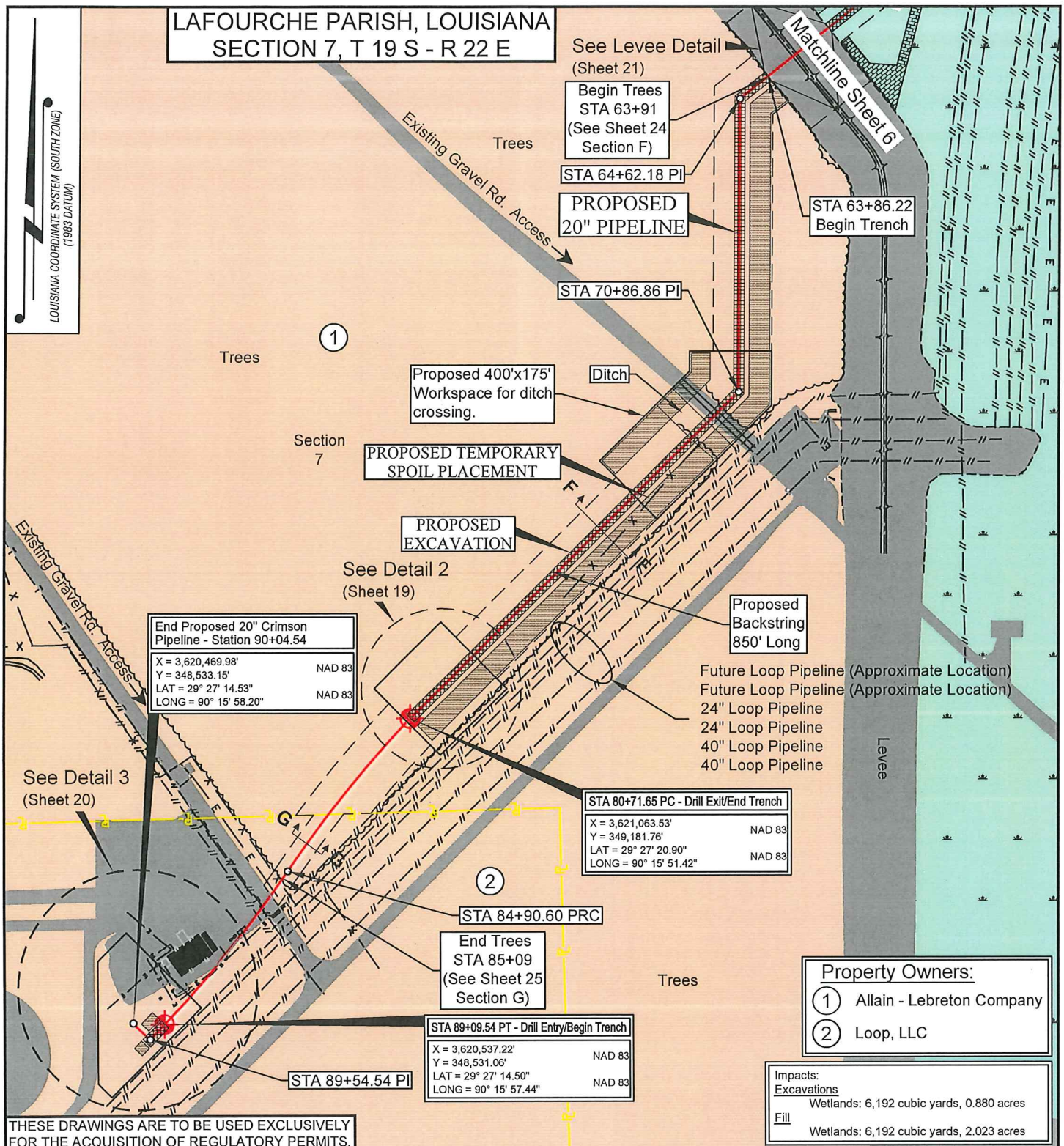
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DATE: 4/19/19		JOB NO: 2018.1116					
DRAWING NAME: 181116P04-26.DWG							
SHEET NO: 6 OF 26							
PROJECTION: LA-S GEO. DATUM: NAD83   VERT. DATUM: NAVD88 GRID UNITS: US SURVEY FEET							
<div>SCALE: 1" = 300'</div> <div><div></div><div>300'150'0'300'</div></div>				<div><div><div></div><div>TBS</div></div></div> <div><div>T. BAKER SMITH</div><div>A CENTURY OF SOLUTIONS</div><div>412 South Van Ave, Houma, LA 70363</div><div>(985)868-1050 - tbsmith.com</div></div>		<div>REV. NO: 02</div> <div>REV. DATE: 7/01/19</div> <div>REV. BY: LJB</div>	
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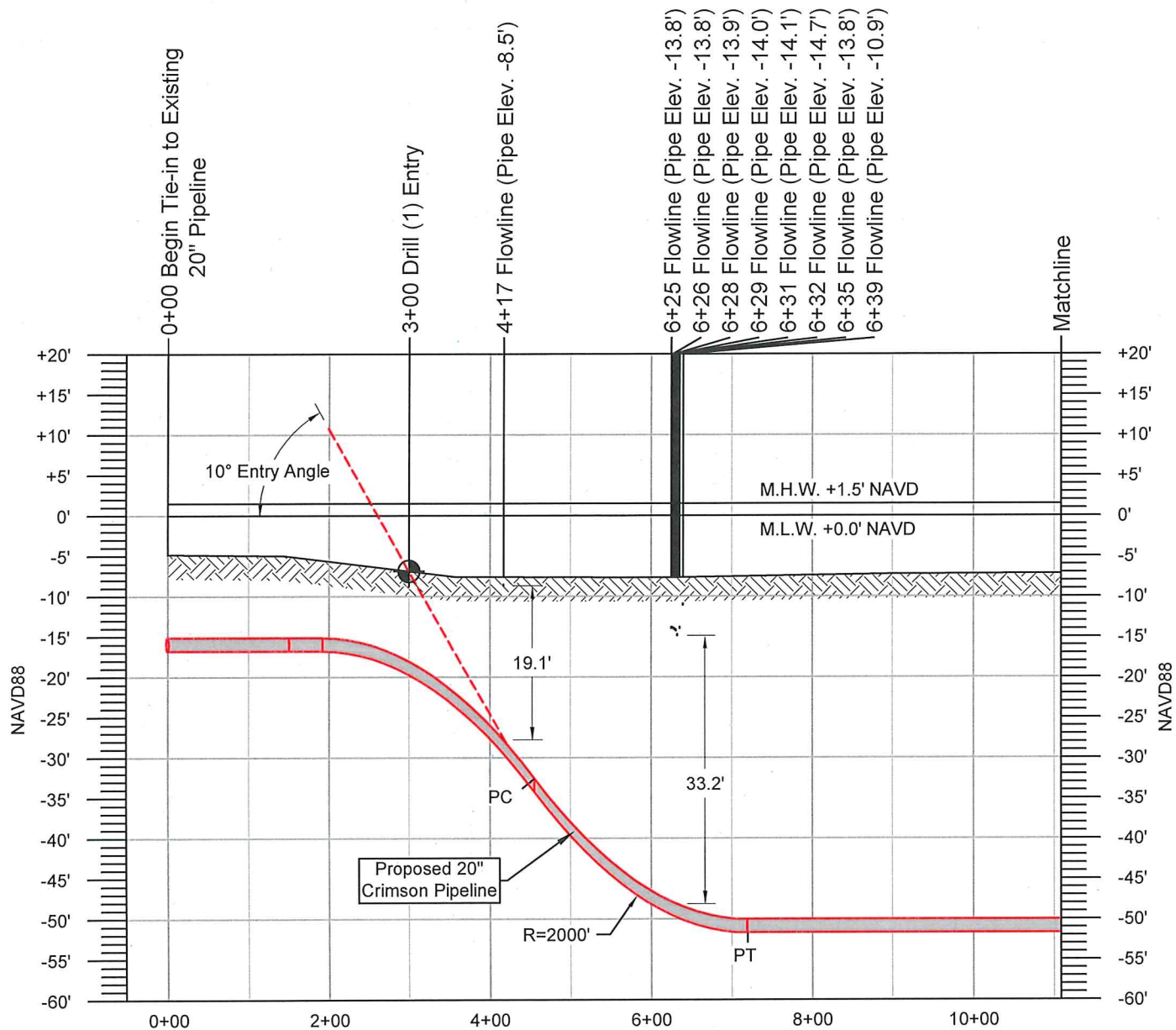


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SHEET NO:		7	OF 26
PROJECTION: LA-S GEO. DATUM: NAD83   VERT. DATUM: NAVD88 GRID UNITS: US SURVEY FEET			
SCALE: 1" = 300'			
			
300'	150'	0'	300'

PLAN					
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LAFORCHE PARISH, LOUISIANA					
	<b>T. BAKER SMITH</b> A CENTURY OF SOLUTIONS 412 South Van Ave, Houma, LA 70363 (985)668-1050 - tbsmith.com		REV. NO: 01	REV. DATE: 6/03/19	REV. BY: LJB
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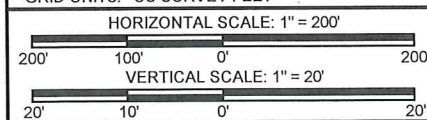
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DRAWING NAME:	181116P04-26.DWG		
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PROJECTION: LA-S GEO. DATUM: NAD83   VERT. DATUM: NAVD88 GRID UNITS: US SURVEY FEET			



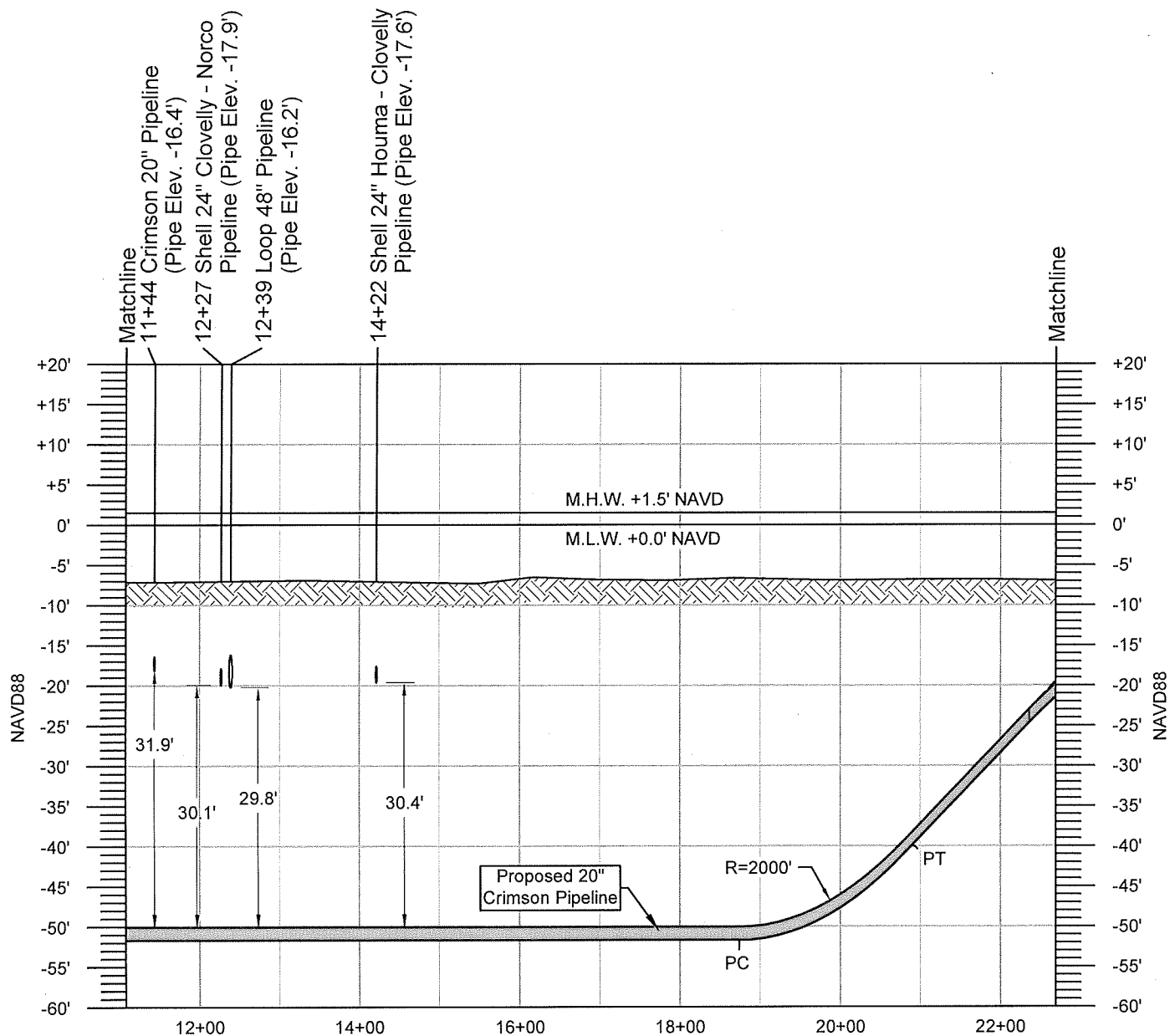
**T. BAKER SMITH**  
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## PROFILE

**CRIMSON MIDSTREAM, LLC**  
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LAFOURCHE PARISH, LOUISIANA

REV. NO: 00 REV. DATE: --/--/-- REV. BY: --

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SHEET NO:	9	OF	28
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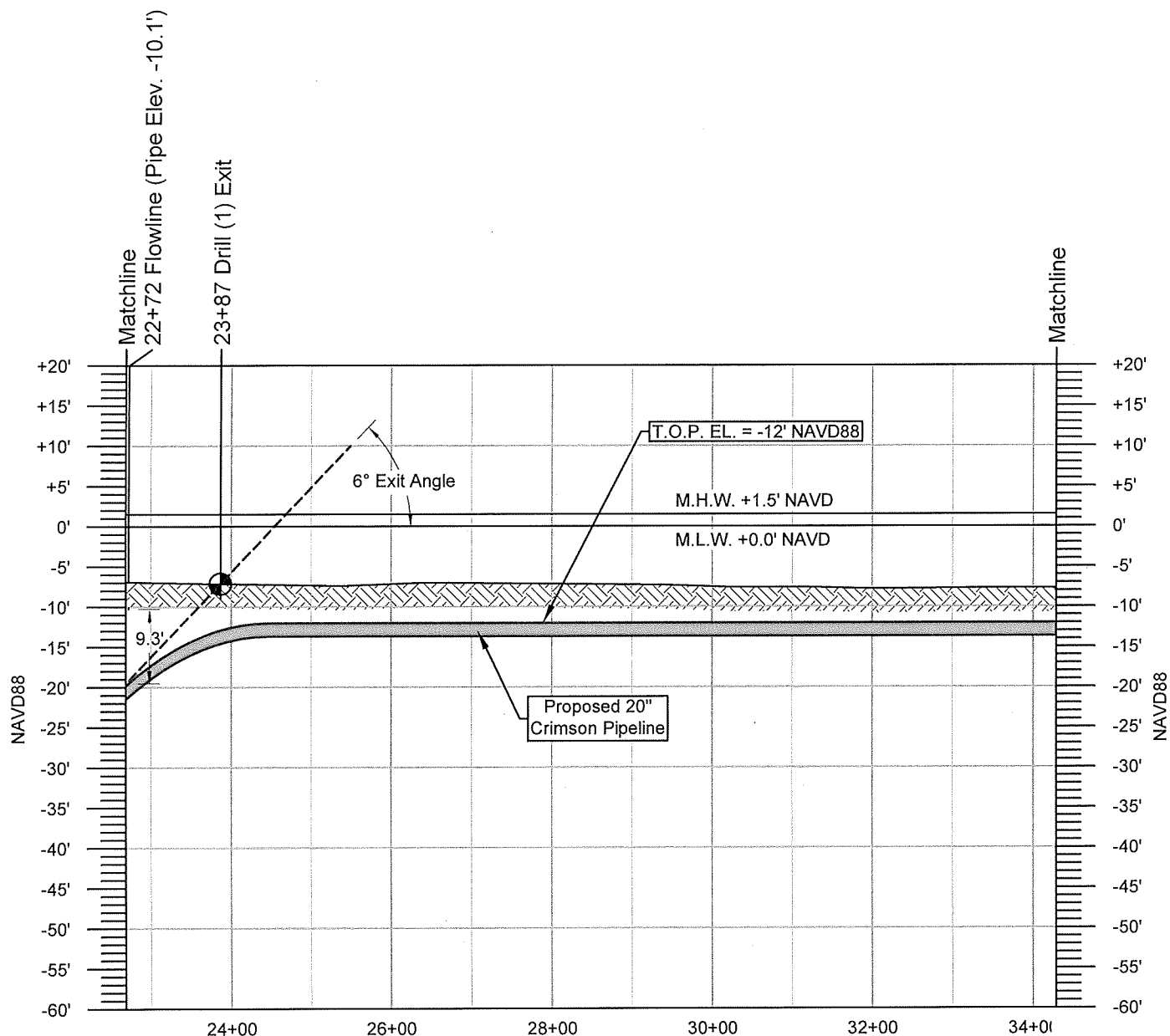


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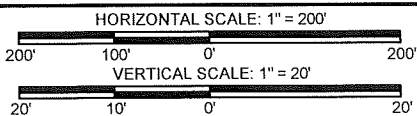


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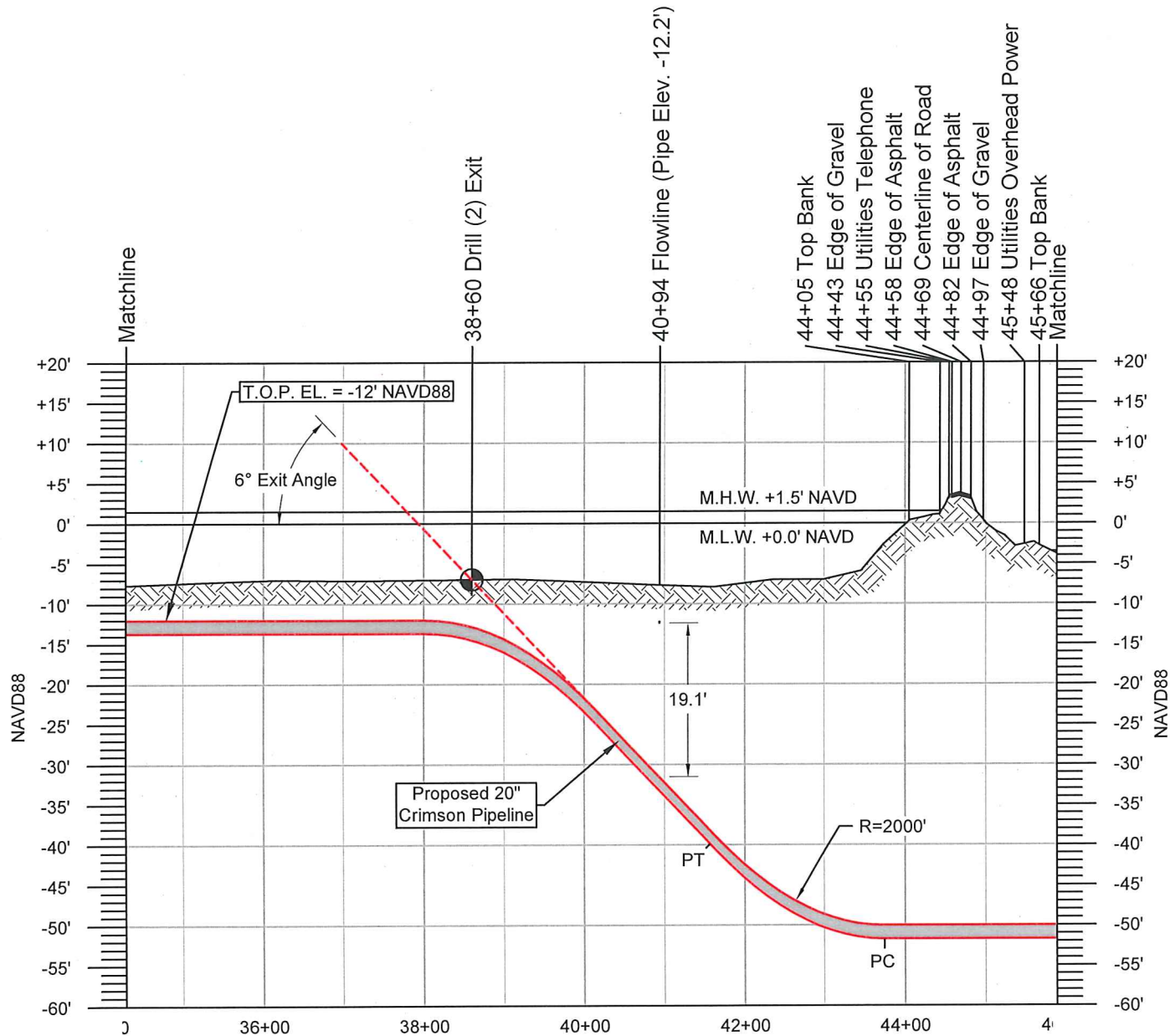
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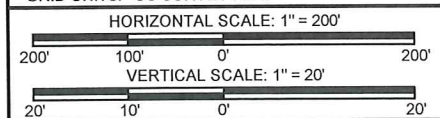
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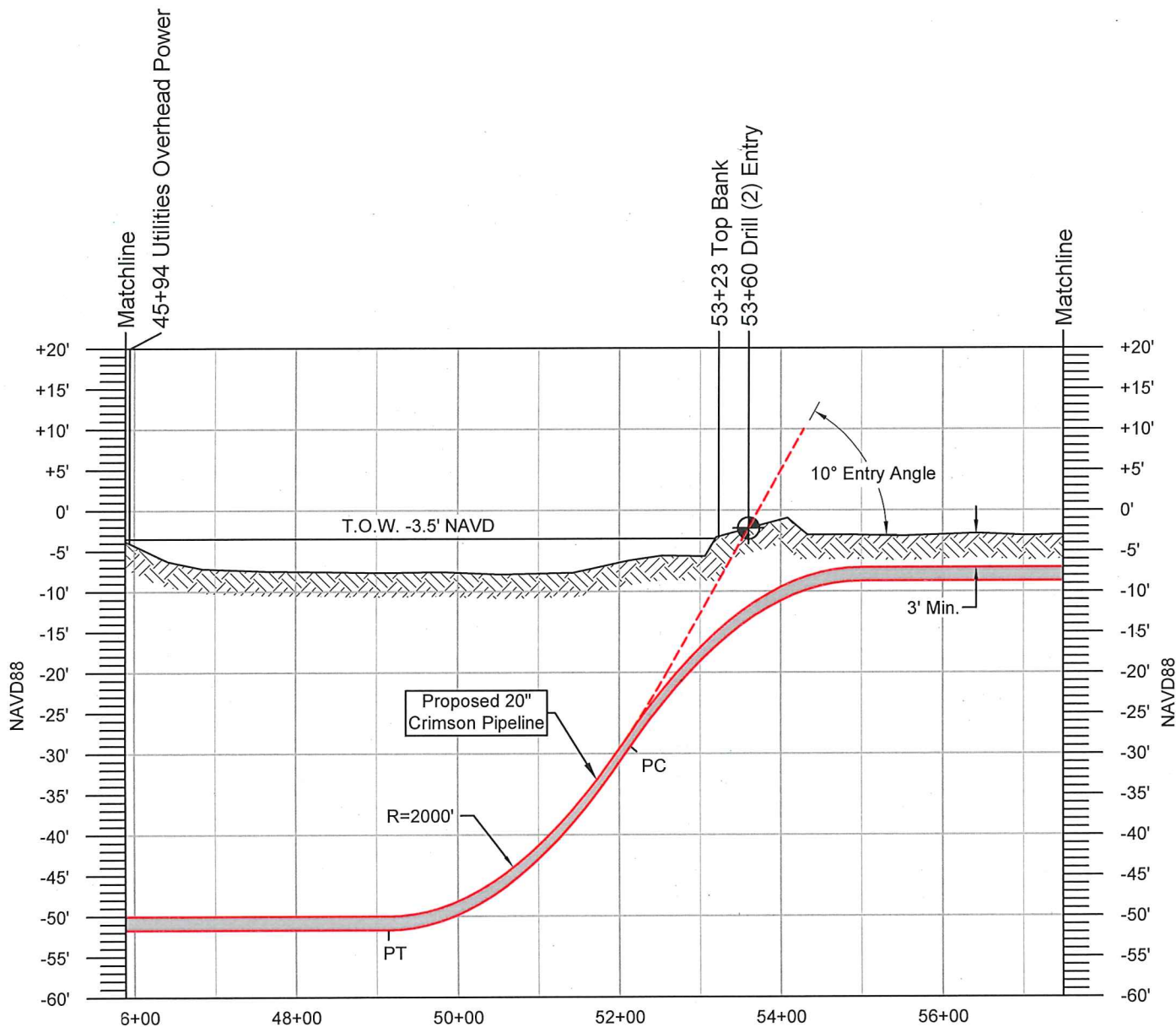
## PROFILE

**CRIMSON MIDSTREAM, LLC**  
PROPOSED 20" PIPELINE  
LOCATED IN  
SECTION 31, T18S-R22E  
AND SECTION 7, T19S-R22E  
LAFOURCHE PARISH, LOUISIANA

REV. NO: 00	REV. DATE: --/--/--	REV. BY: --
REVISION DESCRIPTION: --		



7/1/2019 - P:\Y-2018\2018.1116\DWG\PERMITS\PROPOSED 20IN PIPELINE PERMIT\181116P04-26.DWG



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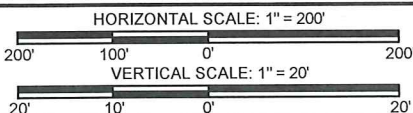
DRAWN BY: LJB APPROVED BY: CJR

DATE: 4/19/19 JOB NO: 2018.1116

DRAWING NAME: 181116P04-26.DWG

SHEET NO: 12 OF 28

PROJECTION: LA-S  
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88  
GRID UNITS: US SURVEY FEET



## PROFILE

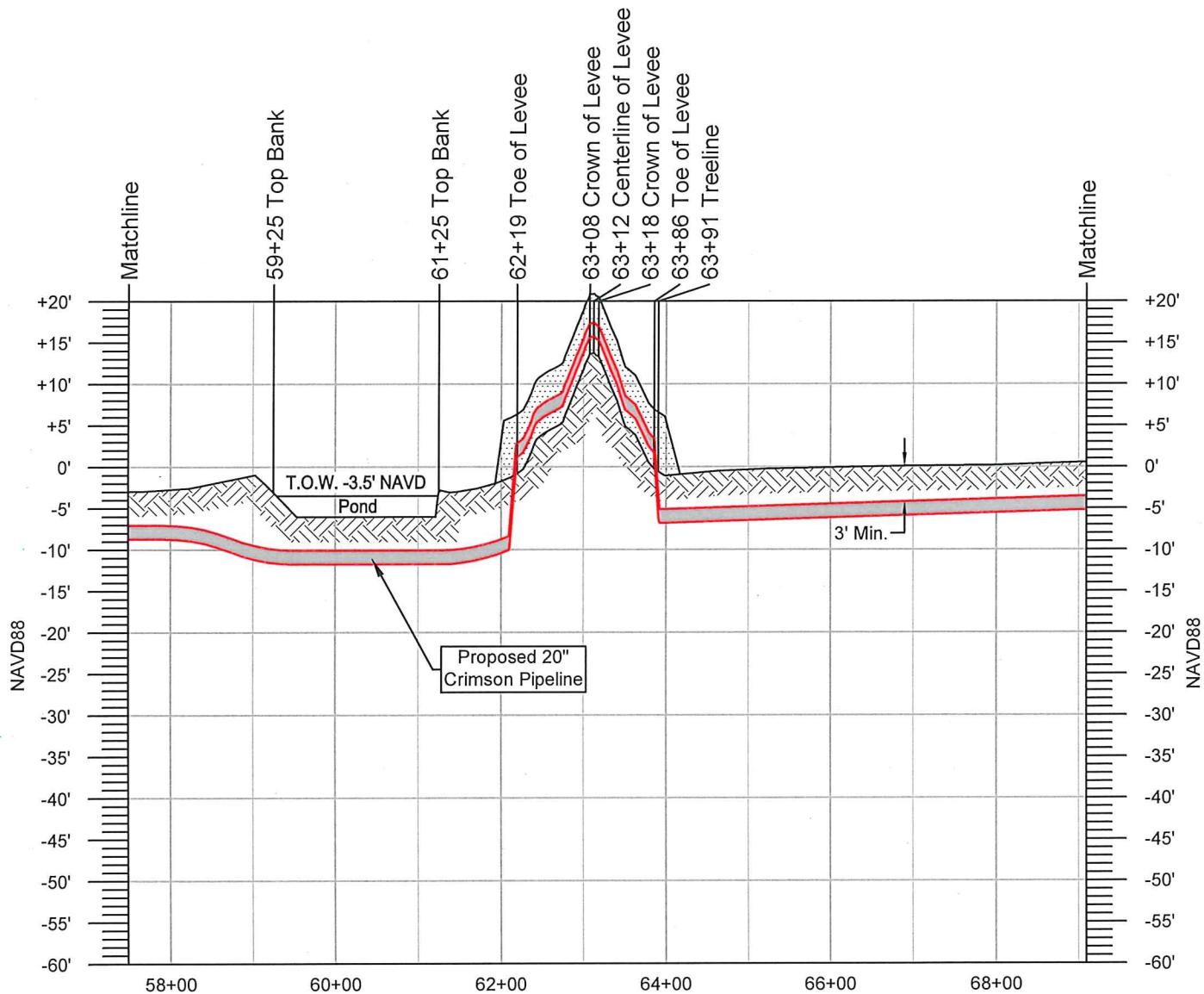
CRIMSON MIDSTREAM, LLC  
PROPOSED 20" PIPELINE  
LOCATED IN  
SECTION 31, T18S-R22E  
AND SECTION 7, T19S-R22E  
LAFOURCHE PARISH, LOUISIANA



**T. BAKER SMITH**  
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REV. NO: 00 REV. DATE: -- REV. BY: --

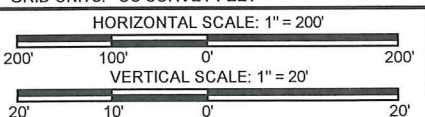
REVISION DESCRIPTION:  
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**Note:** Pond is man-made and not subject to tidal influence.  
T.O.W. EL. at time of survey was -3.5' NAVD88.

THESE DRAWINGS ARE TO BE USED EXCLUSIVELY FOR THE ACQUISITION OF REGULATORY PERMITS.

DRAWN BY: LJB	APPROVED BY: CJR
DATE: 4/19/19	JOB NO: 2018.1116
DRAWING NAME: 181116P04-26.DWG	
SHEET NO: 13 OF 28	
PROJECTION: LA-S	
GEO. DATUM: NAD83   VERT. DATUM: NAVD88	
GRID UNITS: US SURVEY FEET	

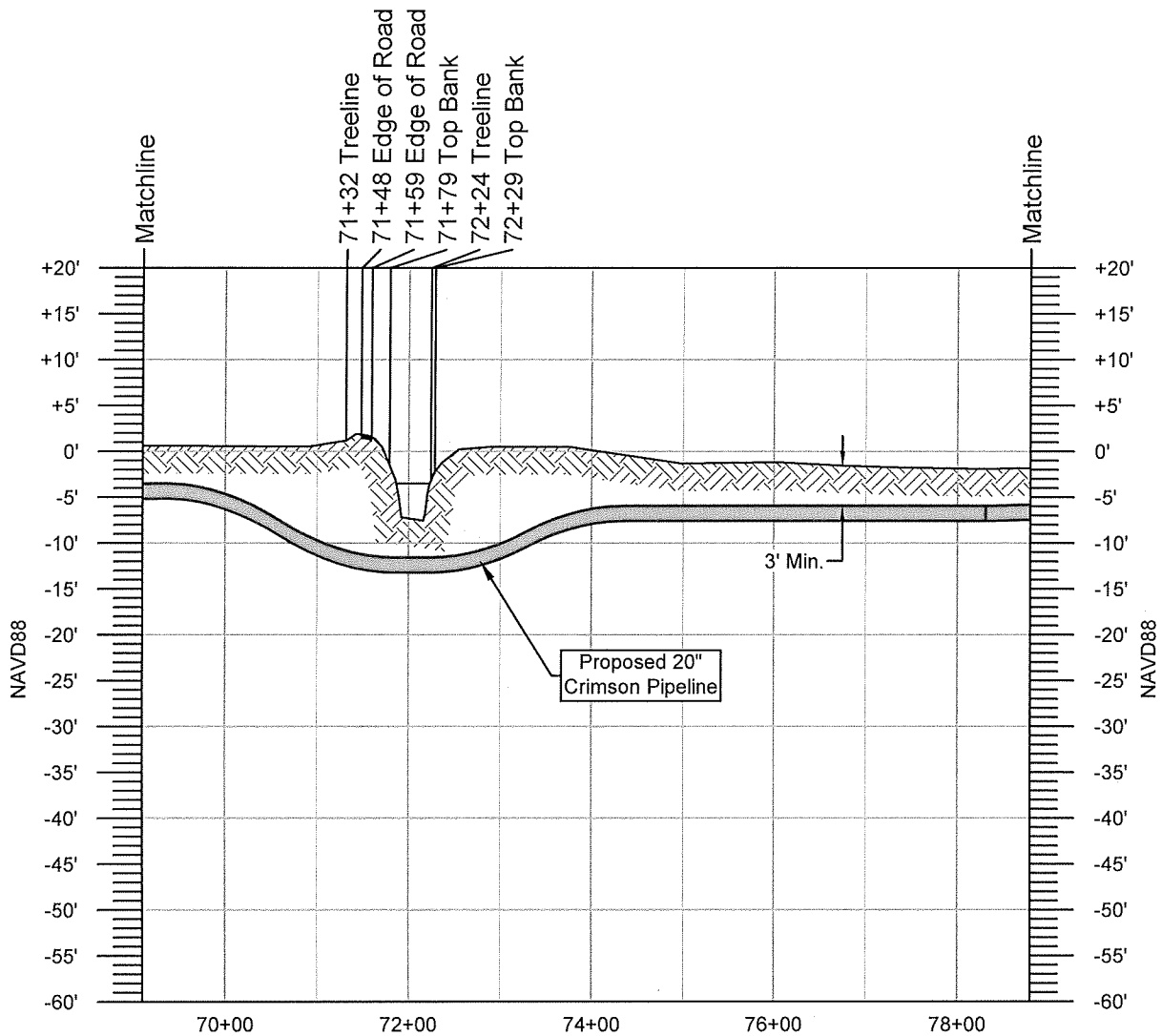


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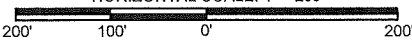
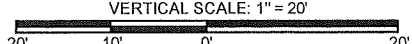
## PROFILE

**CRIMSON MIDSTREAM, LLC**  
PROPOSED 20" PIPELINE  
LOCATED IN  
SECTION 31, T18S-R22E  
AND SECTION 7, T19S-R22E  
LAFOURCHE PARISH, LOUISIANA

REV. NO: 00	REV. DATE: --/--	REV. BY: --
REVISION DESCRIPTION: --		



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DRAWN BY:	LJB	APPROVED BY:	CJR
DATE:	4/19/19	JOB NO:	2018.1116
DRAWING NAME:	181116P04-26.DWG		
SHEET NO:	14	OF	28
PROJECTION: LA-S GEO. DATUM: NAD83   VERT. DATUM: NAVD88 GRID UNITS: US SURVEY FEET			
HORIZONTAL SCALE: 1" = 200'  VERTICAL SCALE: 1" = 20' 			



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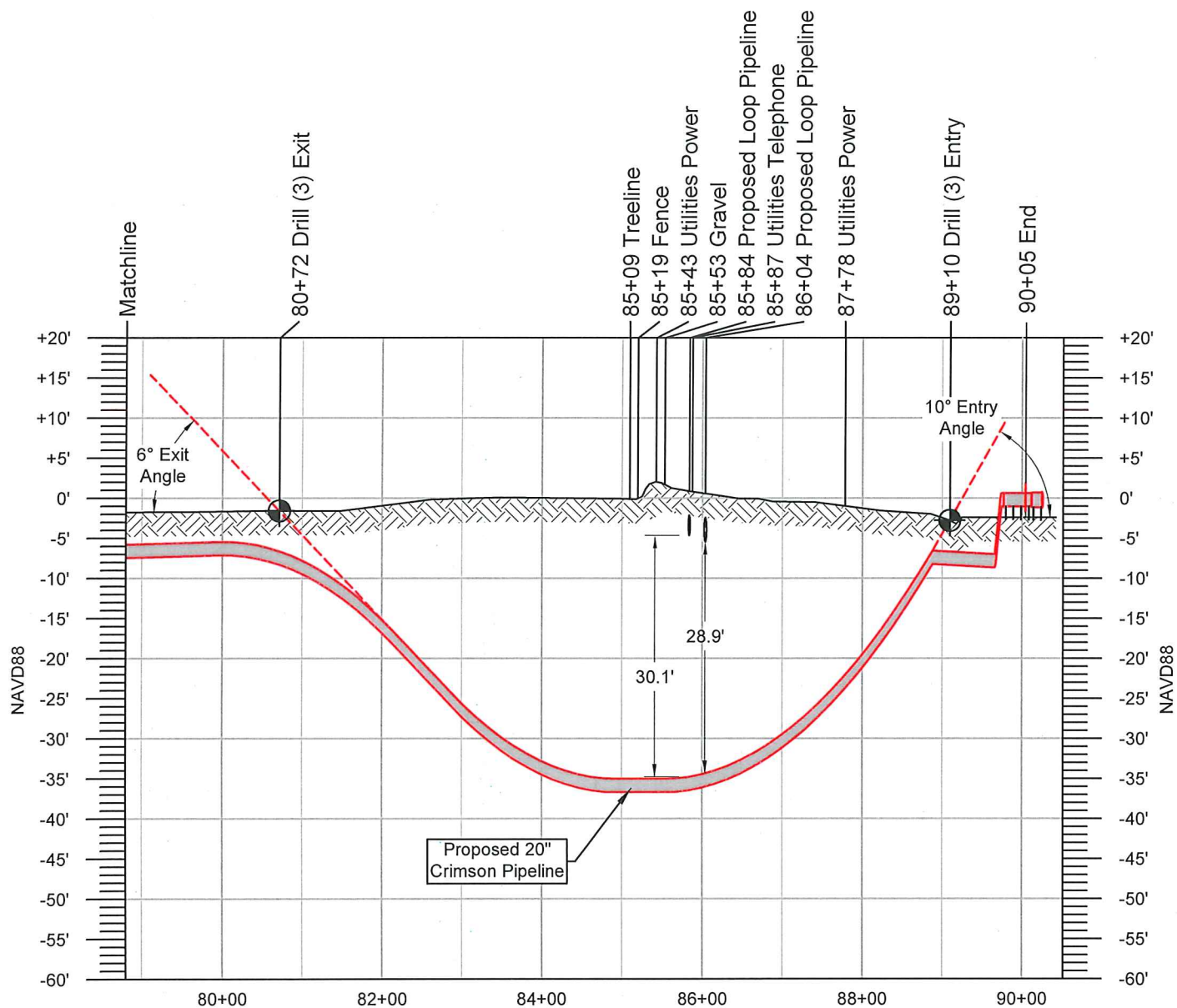
## PROFILE

**CRIMSON MIDSTREAM, LLC**  
PROPOSED 20" PIPELINE  
LOCATED IN  
SECTION 31, T18S-R22E  
AND SECTION 7, T19S-R22E  
LAFOURCHE PARISH, LOUISIANA

REV. NO:	00	REV. DATE:	--/--	REV. BY:	--
REVISION DESCRIPTION: --					

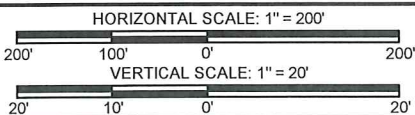


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DRAWN BY:	LJB	APPROVED BY:	CJR
DATE:	4/19/19	JOB NO:	2018.1116
DRAWING NAME:	181116P04-26.DWG		
SHEET NO:	15	OF	28
PROJECTION: LA-S GEO. DATUM: NAD83   VERT. DATUM: NAVD88 GRID UNITS: US SURVEY FEET			



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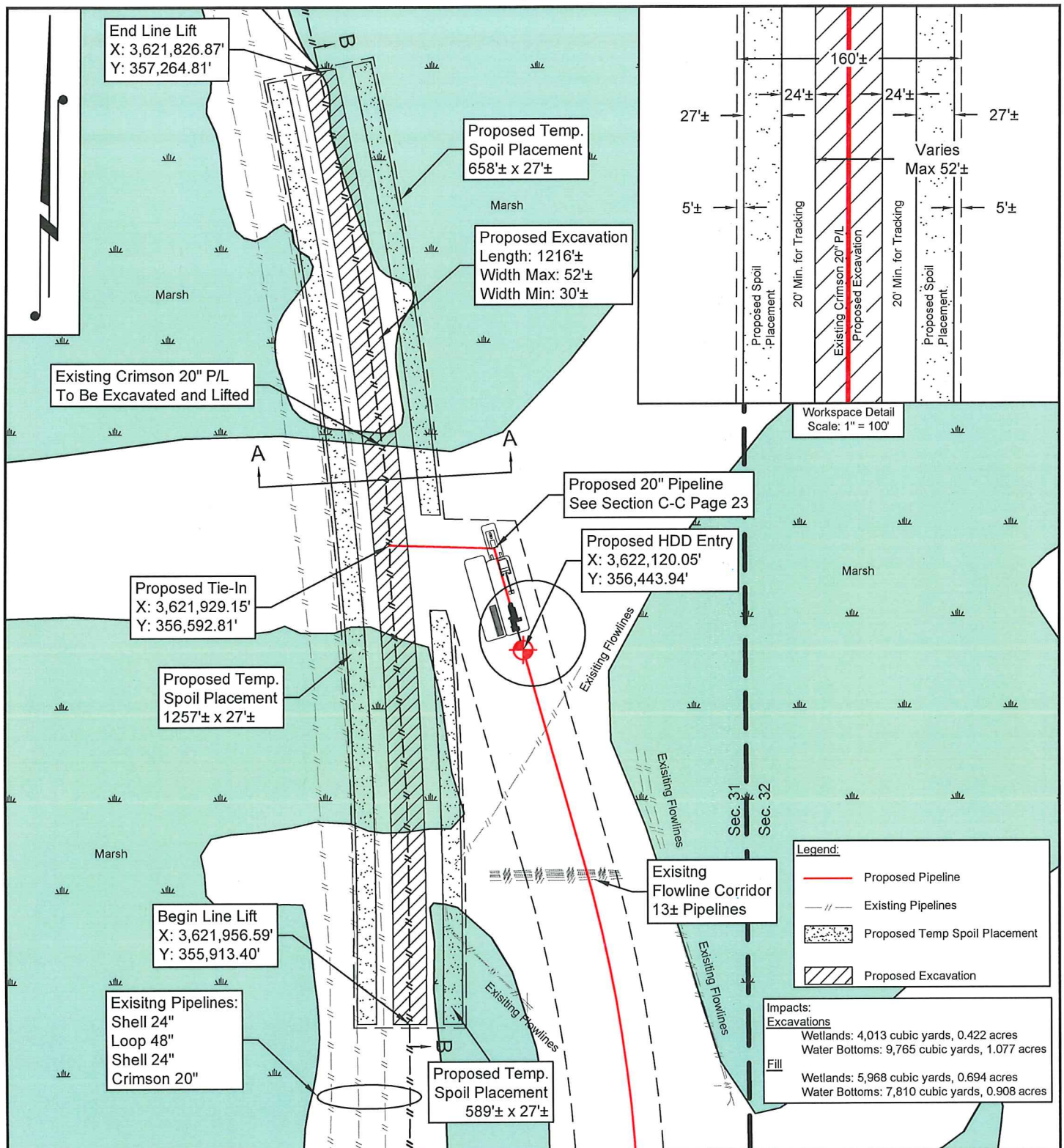
## PROFILE

**CRIMSON MIDSTREAM, LLC**  
PROPOSED 20" PIPELINE  
LOCATED IN  
SECTION 31, T18S-R22E  
AND SECTION 7, T19S-R22E  
LAFOURCHE PARISH, LOUISIANA

REV. NO:	00	REV. DATE:	--/--	REV. BY:	--
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REVISION DESCRIPTION:

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DRAWN BY:	CJL	APPROVED BY:	CJR
DATE:	4/19/19	JOB NO:	2018.1116
DRAWING NAME:	181116P16_22.DWG		
SHEET NO:	16	OF	28
PROJECTION: LA-S GEO. DATUM: NAD83   VERT. DATUM: NAVD88 GRID UNITS: US SURVEY FEET			
SCALE: 1" = 200'			



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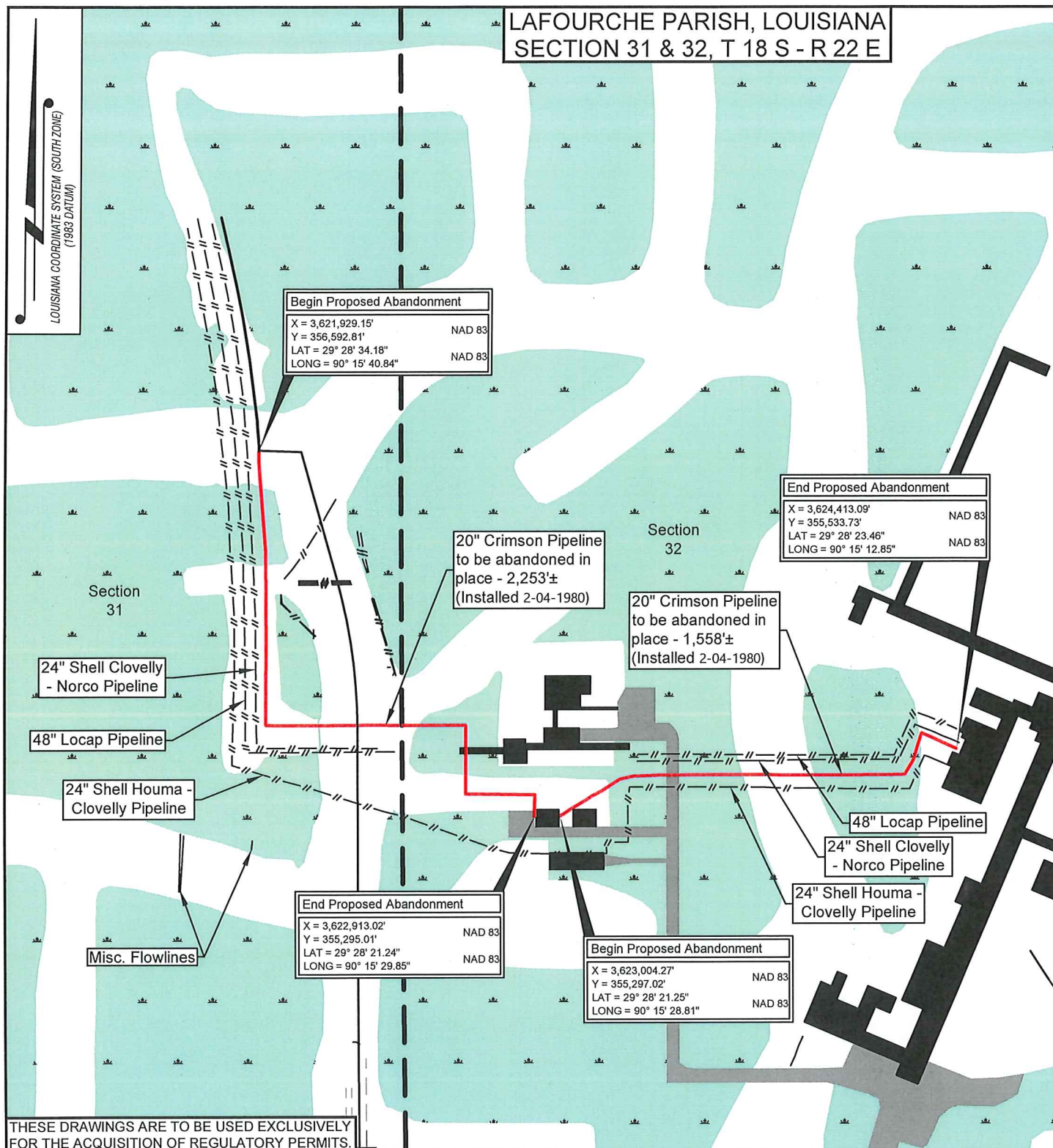
## LINE LIFT DETAIL

**CRIMSON MIDSTREAM, LLC**  
PROPOSED 20" PIPELINE  
LOCATED IN  
SECTION 31, T18S-R22E  
AND SECTION 7, T19S-R22E  
LAFOURCHE PARISH, LOUISIANA

REV. NO:	01	REV. DATE:	7/01/19	REV. BY:	LJB
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DRAWN BY: LJB		APPROVED BY: CJR		ABANDONMENT DETAIL	
DATE: 4/19/19		JOB NO: 2018.1116		CRIMSON MIDSTREAM, LLC	
DRAWING NAME: 181116P04-26.DWG				PROPOSED 20" PIPELINE	
SHEET NO: 17 OF 28				LOCATED IN	
PROJECTION: LA-S				SECTION 31, T18S-R22E	
GEO. DATUM: NAD83   VERT. DATUM: NAVD88				AND SECTION 7, T19S-R22E	
GRID UNITS: US SURVEY FEET				LAFORCHE PARISH, LOUISIANA	
SCALE: 1" = 300'		TBS		REV. NO: 00	REV. DATE: --/--
300' 150' 0' 300'		T. BAKER SMITH A CENTURY OF SOLUTIONS 412 South Van Ave, Houma, LA 70363 (985)868-1050 - tbsmith.com		REV. BY: ---	
				REVISION DESCRIPTION: --	



LAFOURCHE PARISH, LOUISIANA  
SECTION 7, T 19 S - R 22 E

LOUISIANA COORDINATE SYSTEM (SOUTH ZONE)  
(1983 DATUM)

STA 53+60.18 PI - Drill Entry/Begin Trench  
X = 3,622,288.82' NAD 83  
Y = 351,402.87' NAD 83  
LAT = 29° 27' 42.77" NAD 83  
LONG = 90° 15' 37.32" NAD 83

PROPOSED  
20" PIPELINE

200' Equipment  
Access if Necessary

Proposed Worksite  
200'x200'

Borrow Pit to be  
drained utilizing  
an existing pump

Section  
7  
200'

Drill Rig

Drill Pipe

Storage  
Container

Proposed Worksite  
200'x200'




Office

PROPOSED TEMPORARY  
SPOIL PLACEMENT

PROPOSED  
EXCAVATION

Board Road Access  
3,728' x 30'

Legend:

-  Proposed Excavation Area
-  Proposed Spoil Area
-  Proposed Board Road Access Route

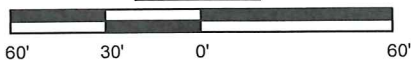
THESE DRAWINGS ARE TO BE USED EXCLUSIVELY  
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DETAIL 1

CRIMSON MIDSTREAM, LLC  
PROPOSED 20" PIPELINE  
LOCATED IN  
SECTION 31, T18S-R22E  
AND SECTION 7, T19S-R22E  
LAFOURCHE PARISH, LOUISIANA

DRAWN BY:	LJB	APPROVED BY:	CJR
DATE:	4/19/19	JOB NO:	2018.1116
DRAWING NAME:	181116P04-26.DWG		
SHEET NO:	18	OF	28
PROJECTION: LA-S GEO. DATUM: NAD83   VERT. DATUM: NAVD88 GRID UNITS: US SURVEY FEET			

SCALE: 1" = 60'



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LAFORCHE PARISH, LOUISIANA  
SECTION 7, T 19 S - R 22 E

LOUISIANA COORDINATE SYSTEM (SOUTH ZONE)  
(1983 DATUM)

Section  
7

Drill Pipe

Proposed Worksite  
200'x200'

PROPOSED  
EXCAVATION

Proposed 20" Crimson Pipeline Drill String

STA 80+71.65 PC - Drill Exit/End Trench  
X = 3,621,063.53' NAD 83  
Y = 349,181.76' NAD 83  
LAT = 29° 27' 20.90"  
LONG = 90° 15' 51.42" NAD 83

PROPOSED TEMPORARY  
SPOIL PLACEMENT

Proposed 20" Crimson Pipeline

Future 36" Loop Pipeline  
Future 30" Loop Pipeline

24" Loop Pipeline  
24" Loop Pipeline

40" Loop Pipeline  
40" Loop Pipeline

40" Loop Pipeline

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DRAWN BY: LJB APPROVED BY: CJR

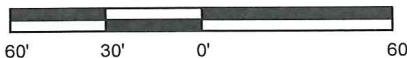
DATE: 4/19/19 JOB NO: 2018.1116

DRAWING NAME: 181116P04-26.DWG

SHEET NO: 19 OF 28

PROJECTION: LA-S  
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88  
GRID UNITS: US SURVEY FEET

SCALE: 1" = 60'



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DETAIL 2

CRIMSON MIDSTREAM, LLC  
PROPOSED 20" PIPELINE  
LOCATED IN  
SECTION 31, T18S-R22E  
AND SECTION 7, T19S-R22E  
LAFORCHE PARISH, LOUISIANA

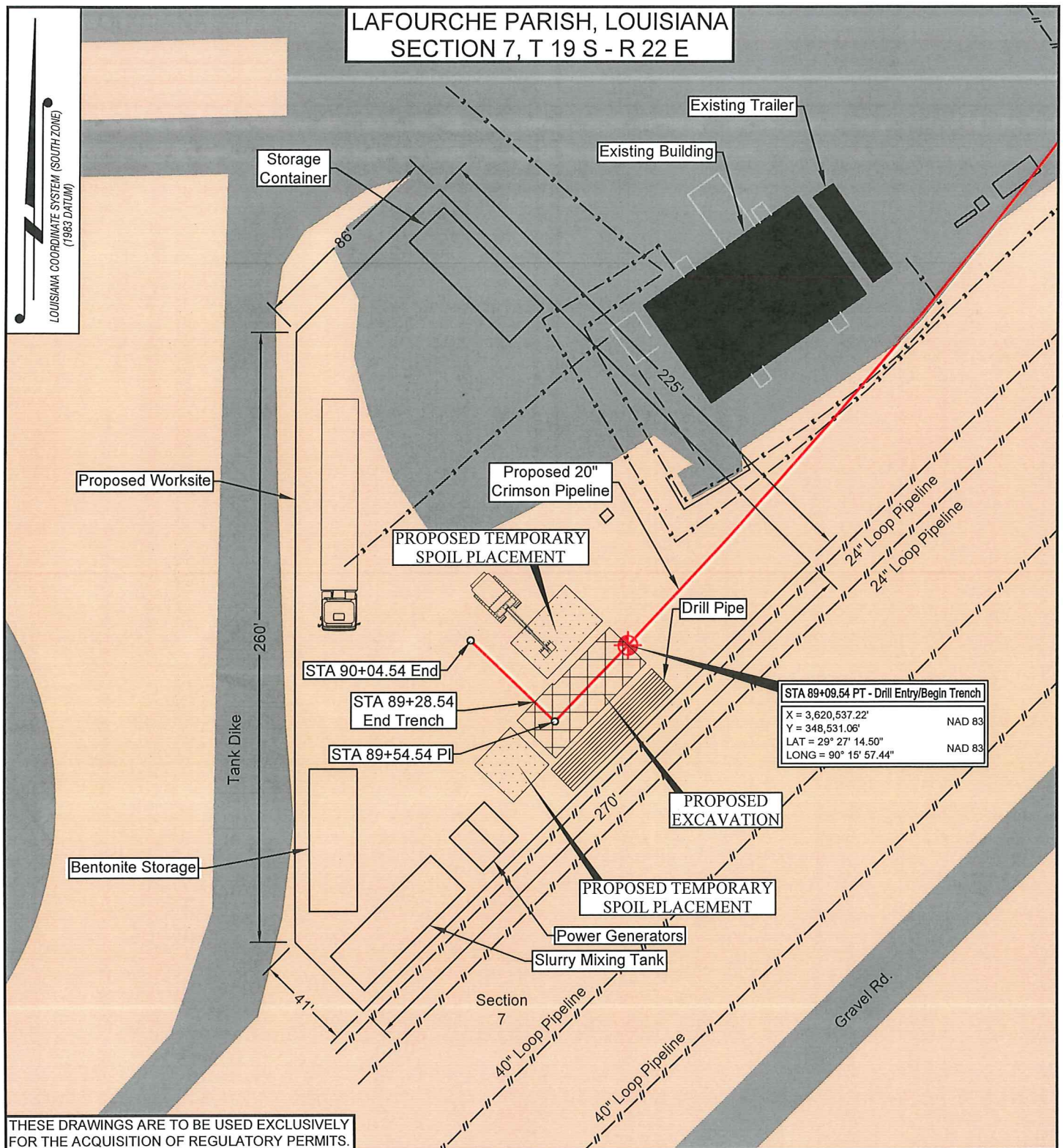
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REVISION DESCRIPTION:

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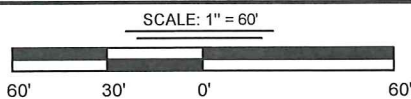
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### DETAIL 3

CRIMSON MIDSTREAM, LLC  
PROPOSED 20" PIPELINE  
LOCATED IN  
SECTION 31, T18S-R22E  
AND SECTION 7, T19S-R22E  
LAFOURCHE PARISH, LOUISIANA

DRAWN BY:	LJB	APPROVED BY:	CJR
DATE:	4/19/19	JOB NO:	2018.1116
DRAWING NAME:	181116P04-26.DWG		
SHEET NO:	20	OF	28
PROJECTION: LA-S GEO. DATUM: NAD83   VERT. DATUM: NAVD88 GRID UNITS: US SURVEY FEET			



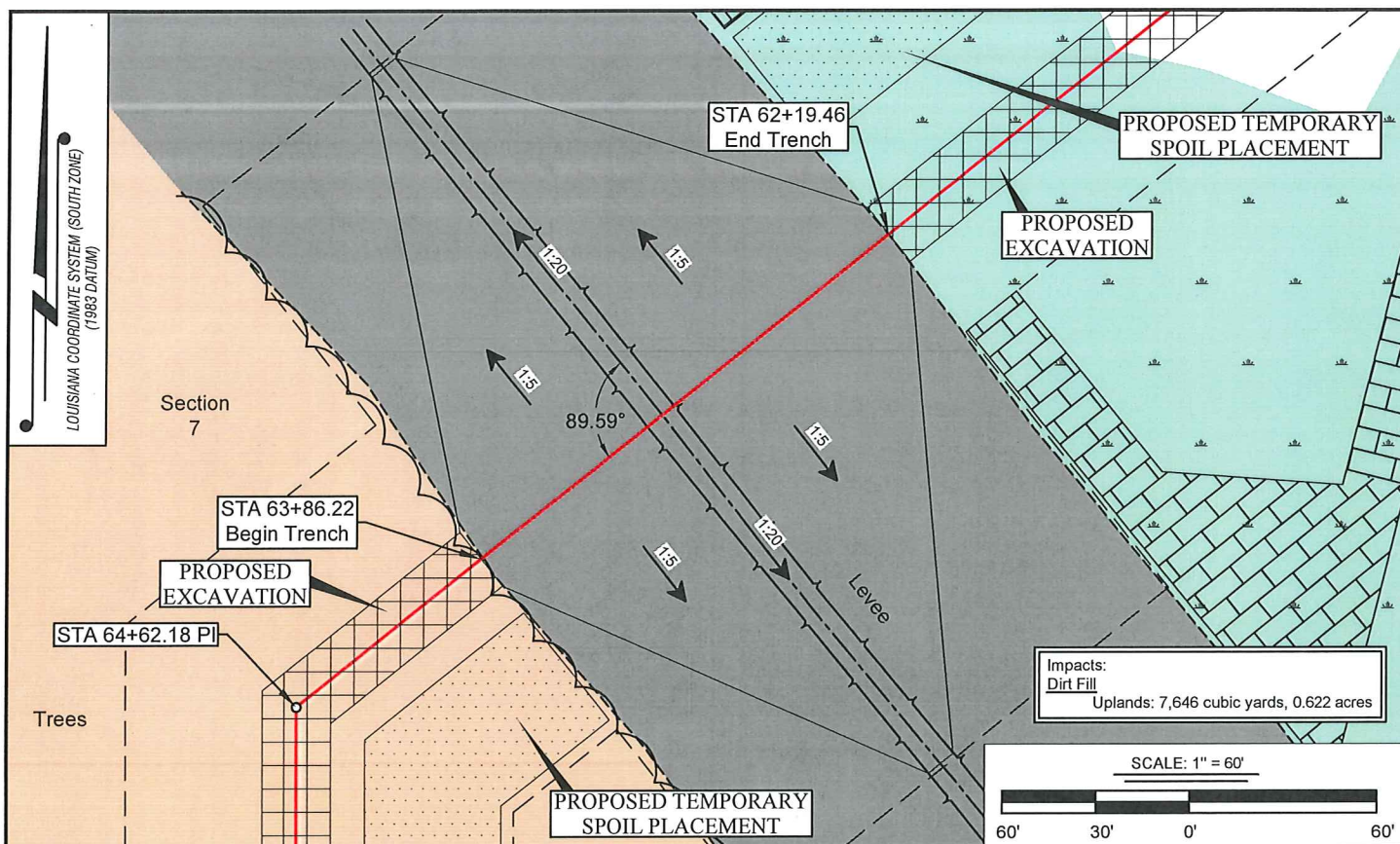
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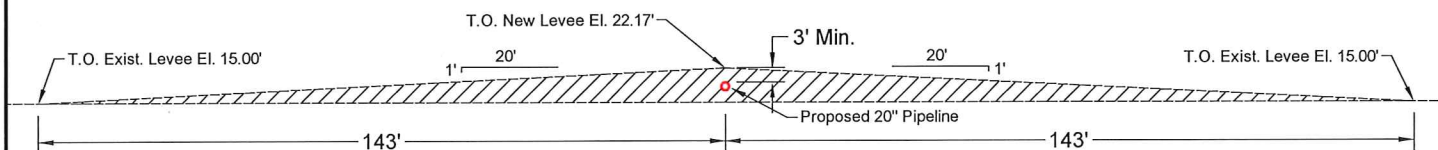
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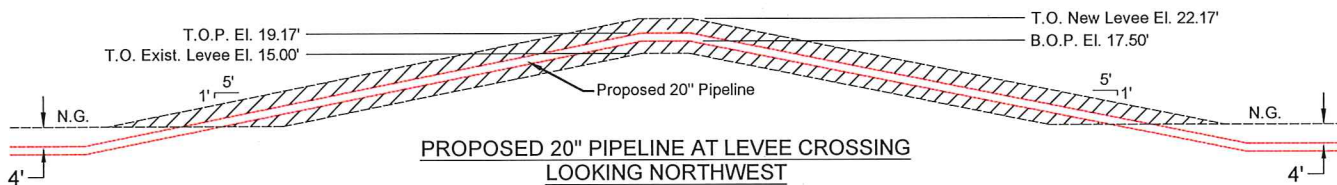
**LEVEE DETAIL**

Scale: 1" = 60'



**SECTION ALONG TOP OF LEVEE  
LOOKING NORTHEAST**

Scale: 1" = 40'



**PROPOSED 20" PIPELINE AT LEVEE CROSSING  
LOOKING NORTHWEST**

Scale: 1" = 40'

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DATE:	4/19/19	JOB NO:	2018.1116
DRAWING NAME:	181116P04-26.DWG		
SHEET NO:	21	OF	28
PROJECTION: LA-S GEO. DATUM: NAD83   VERT. DATUM: NAVD88 GRID UNITS: US SURVEY FEET			

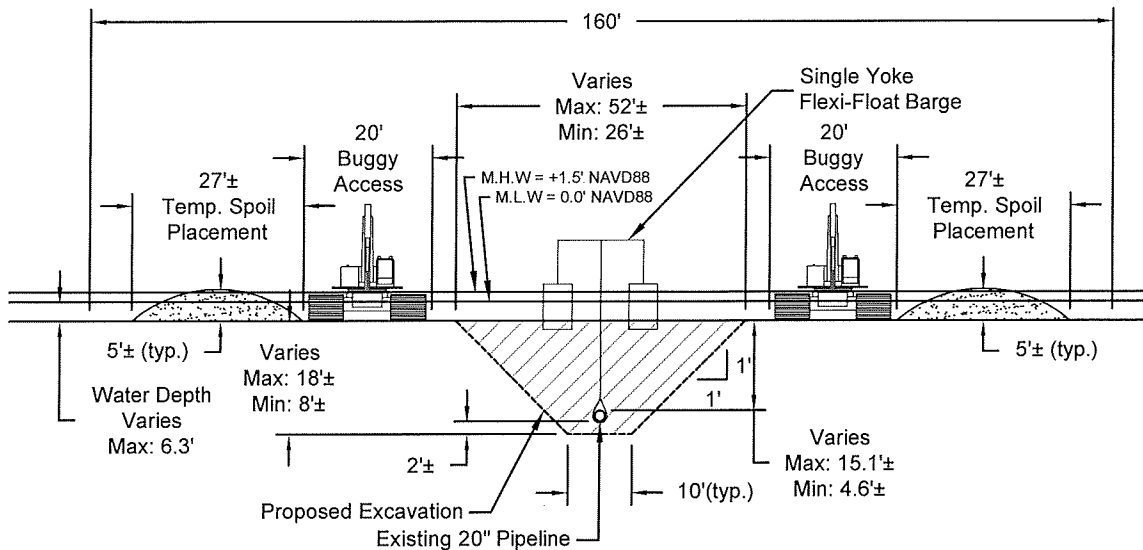
## LEVEE DETAIL

**CRIMSON MIDSTREAM, LLC**  
PROPOSED 20" PIPELINE  
LOCATED IN  
SECTION 31, T18S-R22E  
AND SECTION 7, T19S-R22E  
LAFOURCHE PARISH, LOUISIANA



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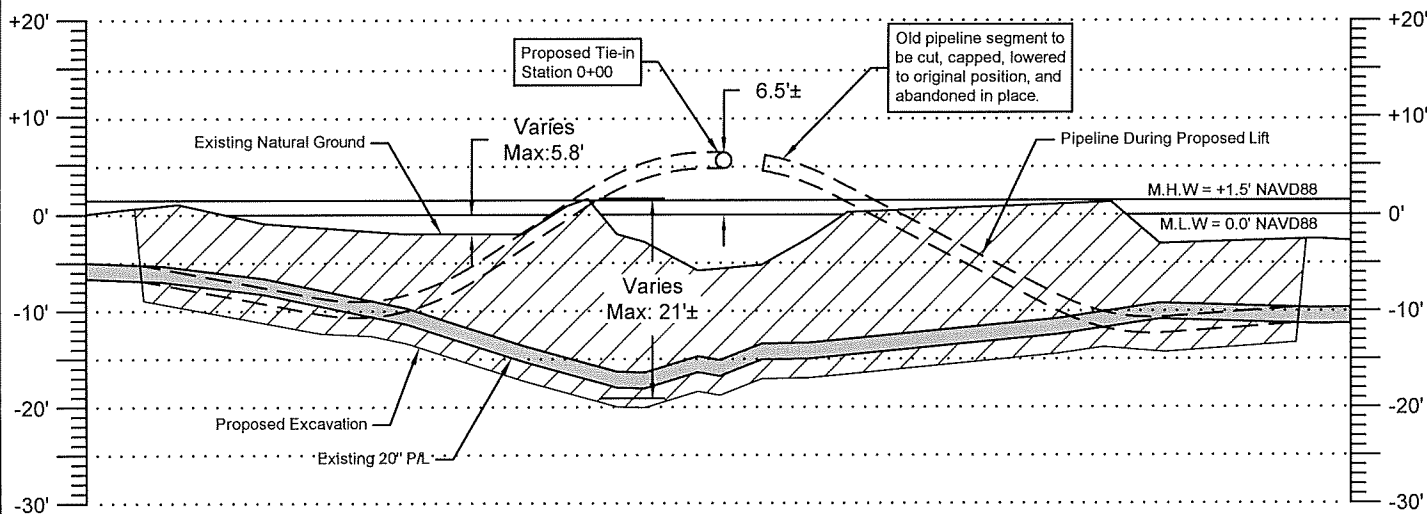
REV. NO:	00	REV. DATE:	--/--	REV. BY:	---
REVISION DESCRIPTION:					
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### SECTION A-A

HORIZONTAL SCALE: 1" = 30'

VERTICAL SCALE: 1" = 30'



### SECTION B-B

HORIZONTAL SCALE: 1" = 200'

VERTICAL SCALE: 1" = 20'

DRAWN BY:	CJL	APPROVED BY:	CJR
DATE:	4/19/19	JOB NO:	2018.1116
DRAWING NAME:	181116P16_22.DWG		
SHEET NO:	22	OF	28
PROJECTION:	LA-S		
GEO. DATUM:	NAD83		
GRID UNITS:	US SURVEY FEET		

### SECTIONS

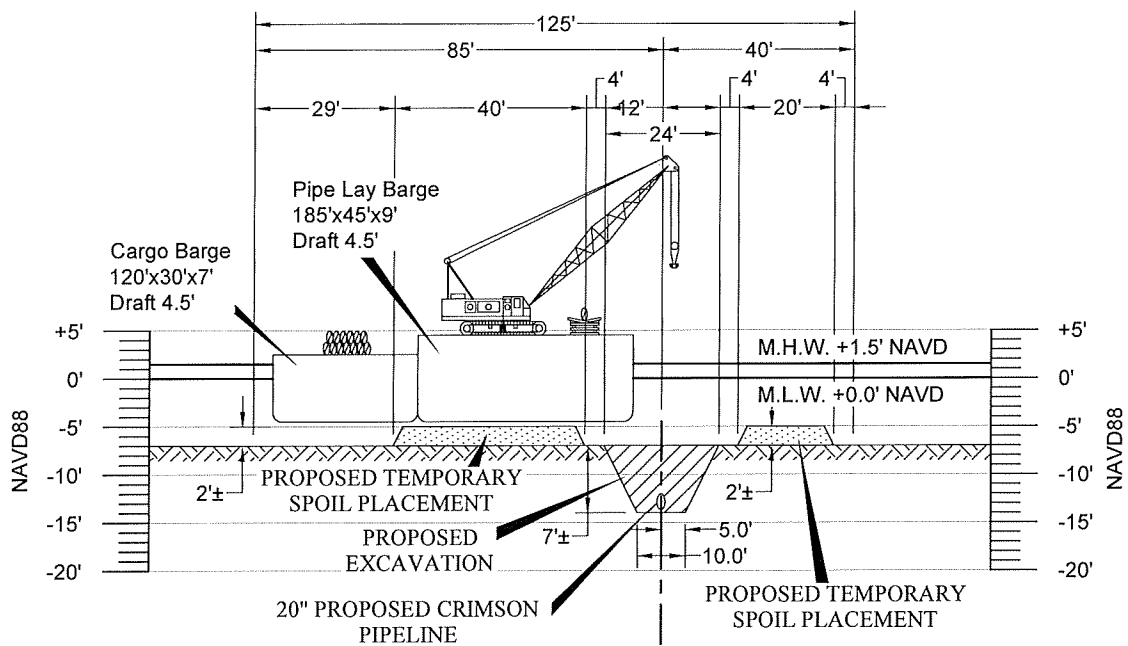
**CRIMSON MIDSTREAM, LLC**  
**PROPOSED 20" PIPELINE**  
**LOCATED IN**  
**SECTION 31, T18S-R22E**  
**AND SECTION 7, T19S-R22E**  
**LAFOURCHE PARISH, LOUISIANA**



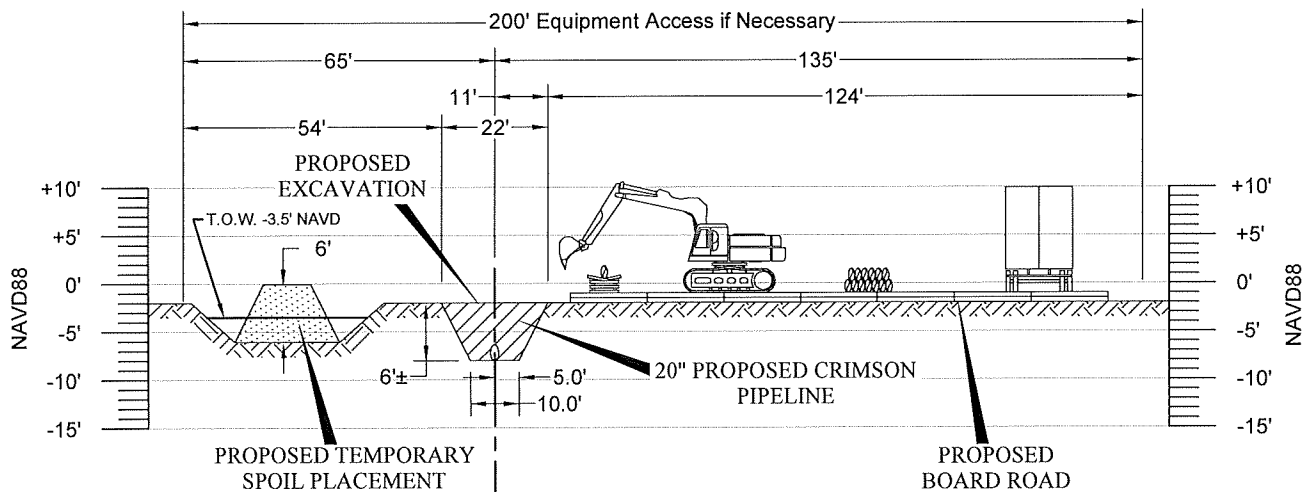
**T. BAKER SMITH**  
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REVISION DESCRIPTION: -- General Revisions					





Section C



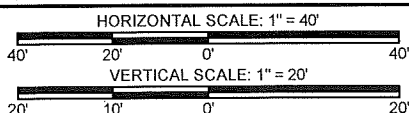
Section D

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DRAWN BY:	LJB	APPROVED BY:	CJR
DATE:	4/19/19	JOB NO:	2018.1116
DRAWING NAME:	181116P04-26.DWG		
SHEET NO:	23	OF	28
PROJECTION: LA-S GEO. DATUM: NAD83   VERT. DATUM: NAVD88 GRID UNITS: US SURVEY FEET			

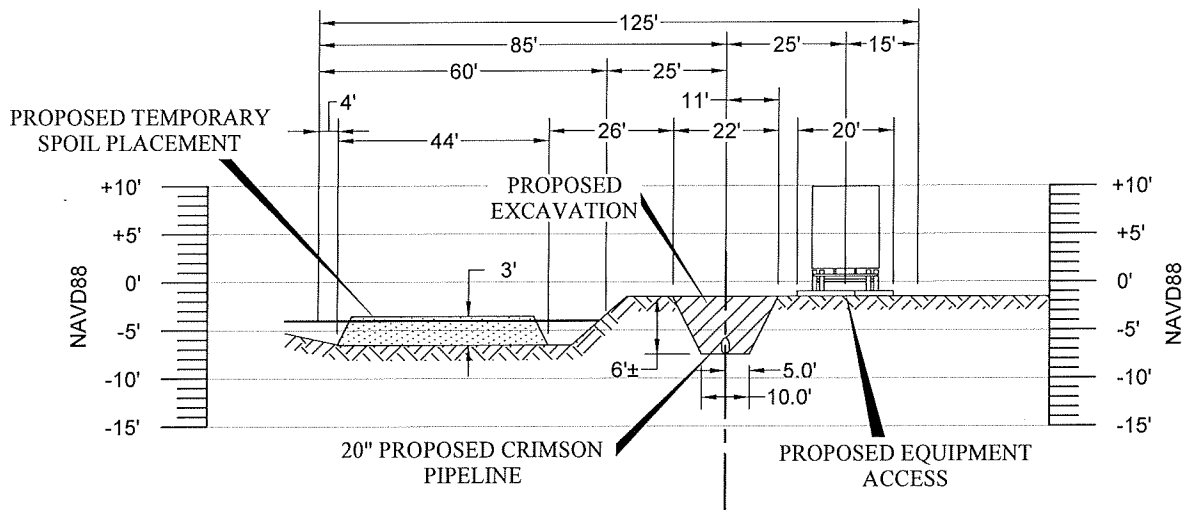
## DETAILS

**CRIMSON MIDSTREAM, LLC**  
PROPOSED 20" PIPELINE  
LOCATED IN  
SECTION 31, T18S-R22E  
AND SECTION 7, T19S-R22E  
LAFOURCHE PARISH, LOUISIANA

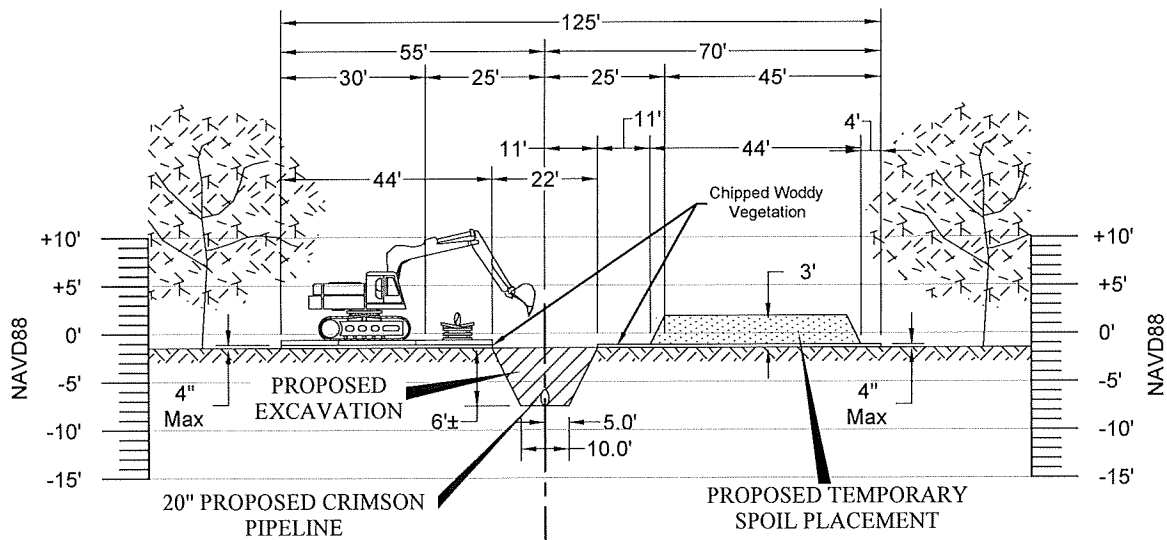


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REV. NO:	01	REV. DATE:	7/01/19	REV. BY:	LJB
REVISION DESCRIPTION: -- General Revisions					



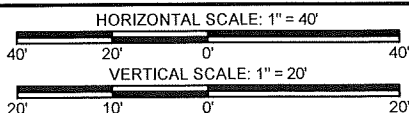
Section E



Section F

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DRAWN BY:	LJB	APPROVED BY:	CJR
DATE:	4/19/19	JOB NO:	2018.1116
DRAWING NAME:	181116P04-26.DWG		
SHEET NO:	24	OF	28
PROJECTION: LA-S GEO. DATUM: NAD83   VERT. DATUM: NAVD88 GRID UNITS: US SURVEY FEET			

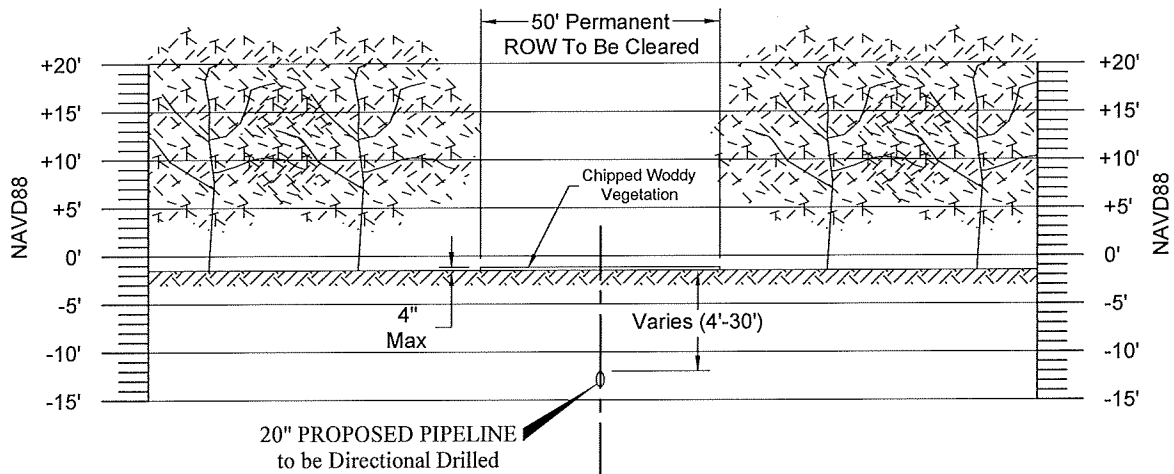


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## DETAILS

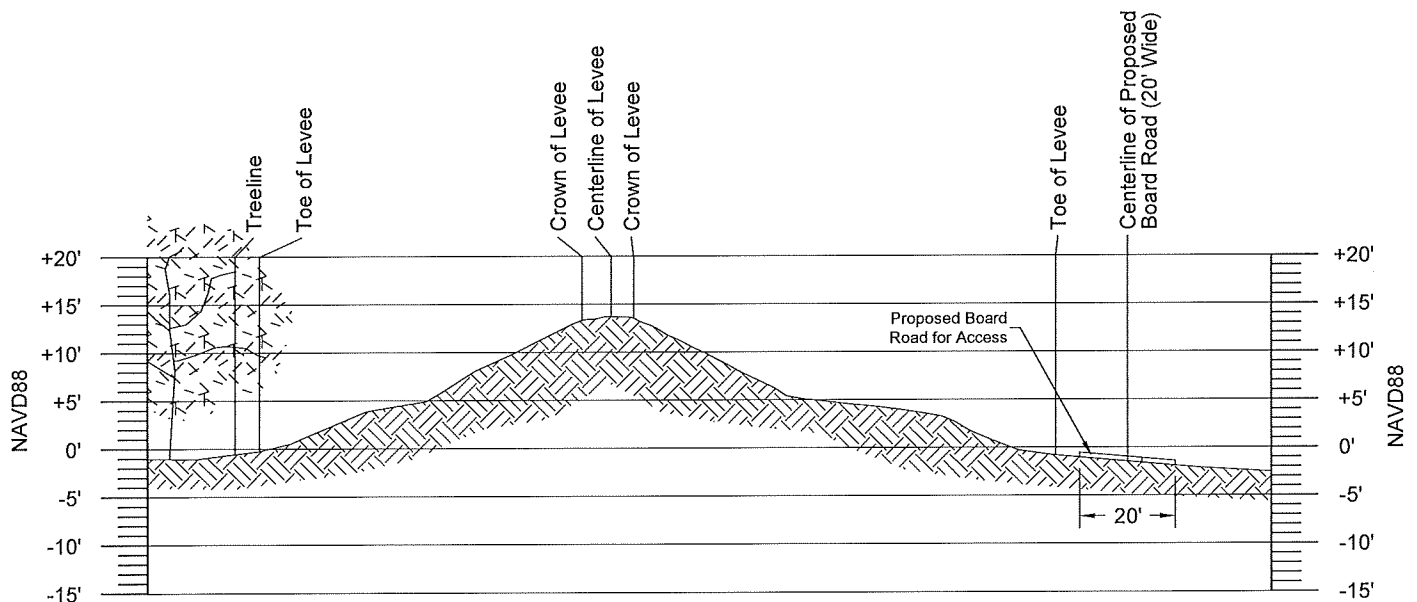
**CRIMSON MIDSTREAM, LLC**  
PROPOSED 20" PIPELINE  
LOCATED IN  
SECTION 31, T18S-R22E  
AND SECTION 7, T19S-R22E  
LAFOURCHE PARISH, LOUISIANA

REV. NO:	02	REV. DATE:	7/01/19	REV. BY:	LJB
REVISION DESCRIPTION: -- General Revisions					



**Section G**

**Note:** Trees to be chipped and spread as not to increase ground elevation more than 4 inches.



**Section H**

THESE DRAWINGS ARE TO BE USED EXCLUSIVELY FOR THE ACQUISITION OF REGULATORY PERMITS.

DRAWN BY: LJB		APPROVED BY: CJR	<div>DETAILS</div> <div>CRIMSON MIDSTREAM, LLC</div> <div>PROPOSED 20" PIPELINE</div> <div>LOCATED IN</div> <div>SECTION 31, T18S-R22E</div> <div>AND SECTION 7, T19S-R22E</div> <div>LAFORCHE PARISH, LOUISIANA</div>			
DATE: 4/19/19	JOB NO: 2018.1116					
DRAWING NAME: 181116P04-26.DWG						
SHEET NO: 25	OF 28					
PROJECTION: LA-S GEO. DATUM: NAD83   VERT. DATUM: NAVD88 GRID UNITS: US SURVEY FEET						
<div><div><div>HORIZONTAL SCALE: 1" = 40'</div><div><div></div><div>40'</div><div>20'</div><div>0'</div><div>40'</div></div></div><div><div>VERTICAL SCALE: 1" = 20'</div><div><div></div><div>20'</div><div>10'</div><div>0'</div><div>20'</div></div></div></div>			<div><div><div><div></div><div>TBS</div></div></div><div><div>T. BAKER SMITH</div><div>A CENTURY OF SOLUTIONS</div><div>412 South Van Ave, Houma, LA 70363</div><div>(985)868-1050 - tbsmith.com</div></div></div>	REV. NO: 02	REV. DATE: 7/01/19	REV. BY: LJB
			REVISION DESCRIPTION: -- General Revisions			

## PROPOSED 20" PIPELINE

Station	Coordinates (NAD 83)		Coordinates (NAD 83)		Bearing	Distance
	Easting	Northing	Latitude	Longitude		
0+00.00	3,621,929.15	356,592.81	29° 28' 34.18"	90° 15' 40.84"		
					S 88°19'34" E	149.74'
1+49.74	3,622,078.82	356,588.44	29° 28' 34.12"	90° 15' 39.15"		
					S 15°55'26" E	462.33'
6+12.07	3,622,205.67	356,143.85	29° 28' 29.71"	90° 15' 37.76"		
			Curve	Chord:	S 08°00'21" E	551.03'
				Radius:		2000.00'
11+64.86	3,622,282.41	355,598.19	29° 28' 24.30"	90° 15' 36.95"		
					S 00°05'15" E	4195.32'
53+60.18	3,622,288.82	351,402.87	29° 27' 42.77"	90° 15' 37.32"		
					S 13°58'52" W	618.79'
59+78.96	3,622,139.32	350,802.42	29° 27' 36.84"	90° 15' 39.08"		
					S 51°26'06" W	483.22'
64+62.18	3,621,761.50	350,501.18	29° 27' 33.89"	90° 15' 43.38"		
					S 00°00'00" E	624.68'
70+86.86	3,621,761.50	349,876.50	29° 27' 27.71"	90° 15' 43.45"		
					S 45°07'57" W	984.80'
80+71.65	3,621,063.53	349,181.76	29° 27' 20.90"	90° 15' 51.42"		
			Curve	Chord:	S 38°58'02" W	418.45'
				Radius:		2500.00'
84+90.60	3,620,800.37	348,856.41	29° 27' 17.69"	90° 15' 54.26"		
			Curve	Chord:	S 38°58'02" W	418.45'
				Radius:		2500.00'
89+09.54	3,620,537.22	348,531.06	29° 27' 14.50"	90° 15' 57.44"		
					S 43°46'04" W	45.00'
89+54.54	3,620,506.09	348,498.56	29° 27' 14.18"	90° 15' 57.79"		
					N 46°13'56" W	50.00'
90+04.54	3,620,469.98	348,533.15	29° 27' 14.53"	90° 15' 58.20"		

THESE DRAWINGS ARE TO BE USED EXCLUSIVELY  
FOR THE ACQUISITION OF REGULATORY PERMITS.

DRAWN BY: LJB	APPROVED BY: CJR	<h3 style="margin: 0;">CHART</h3> <p style="margin: 0;">CRIMSON MIDSTREAM, LLC</p> <p style="margin: 0;">PROPOSED 20" PIPELINE</p> <p style="margin: 0;">LOCATED IN</p> <p style="margin: 0;">SECTION 31, T18S-R22E</p> <p style="margin: 0;">AND SECTION 7, T19S-R22E</p> <p style="margin: 0;">LAFOURCHE PARISH, LOUISIANA</p>
DATE: 4/19/19	JOB NO: 2018.1116	
DRAWING NAME: 181116P04-26.DWG		
SHEET NO: 26 OF 28		
PROJECTION: LA-S GEO. DATUM: NAD83   VERT. DATUM: NAVD88 GRID UNITS: US SURVEY FEET		
NOT TO SCALE		<div style="display: flex; align-items: center;"> <div> <p><b>T. BAKER SMITH</b></p> <p>A CENTURY OF SOLUTIONS</p> <p>412 South Van Ave., Houma, LA 70363</p> <p>(985)868-1050 - tbsmith.com</p> </div> </div>
		REV. NO: 00    REV. DATE: --/--    REV. BY: -- REVISION DESCRIPTION: --

ALL STRUCTURES, FACILITIES, WELLS AND PIPELINES/FLOWLINES OCCURRING IN OPEN WATER AREAS, OR IN OILFIELD CANALS, OR SLIPS SHALL BE REMOVED WITHIN 120 DAYS OF ABANDONMENT OF THE FACILITIES FOR THE HEREIN PERMITTED USE, UNLESS PRIOR WRITTEN APPROVAL TO LEAVE SUCH STRUCTURES IN PLACE IS RECEIVED FROM THE COASTAL MANAGEMENT DIVISION. THIS CONDITION DOES NOT PRECLUDE THE NECESSITY FOR REVISING THE CURRENT PERMIT OR OBTAINING A SEPARATE COASTAL USE PERMIT, SHOULD ONE BE REQUIRED FOR SUCH ACTIVITIES.

AS-BUILT DRAWINGS SHALL BE SUBMITTED WITHIN 30 DAYS OF COMPLETION OF THIS PROJECT TO THE LOUISIANA DEPARTMENT OF NATURAL RESOURCES, COASTAL MANAGEMENT DIVISION AND OFFICE OF CONSERVATION, PIPELINE SAFETY DIVISION, POST OFFICE BOX 44487, BATON ROUGE, LA 70804-4487.

IN ORDER TO ENSURE THE SAFETY OF ALL PARTIES, THE PERMITEE SHALL CONTACT THE LOUISIANA ONE CALL SYSTEM (1-800-272-3020) A MINIMUM OF 48 HOURS PRIOR TO THE COMMENCEMENT OF ANY EXCAVATION (DIGGING, DREDGING, JETTING, ETC.) OR DEMOLITION ACTIVITY.

### EXCAVATION AND FILLS:

#### WETLANDS:

Excavation of Native Material: 12,558 cu.yds / 1.982 Acres  
 Fill Native Materials: 12,942 cu.yds / 2.926 Acres  
 Boarded Access Route: 0.147 Acres

#### WATER BOTTOMS:

Excavation of Native Material: 18,283 cu.yds / 2.154 Acres  
 Fill Native Materials: 17,900 cu.yds / 4.195 Acres


#### UPLANDS:

Dirt Fill: 7,646 cu.yds / 0.622 Acres  
 Boarded Access Route: 1.322 Acres

### EQUIPMENT LIST

- One (1) Spud Barge 120' x 38' x 8' with 900 Series Crane, 125 Ton/120' Boom, 5 Cubic Yard Capacity & Crew Quarters for 18 Men, Draft 4'
- One (1) Spud Barge 120' x 18' x 7' Open Deck, Draft 3'
- One (1) 400 H.P. Tug 50' x 18' x 7' Twin Screw, Draft 4.5'
- One (1) Crewboat 38' x 10' x 4' with Dual 250 H.P. Outboard Motors, Draft at Idle 2.5'
- One (1) Marsh Buggy Backhoe 30' x 18' x 5' with 1.5 Cubic Yard Backhoe, Draft 4'
- One (1) Lot Diving Gear

THESE DRAWINGS ARE TO BE USED EXCLUSIVELY  
 FOR THE ACQUISITION OF REGULATORY PERMITS.

DRAWN BY: LJB		APPROVED BY: CJR		<b>NOTES</b>  <b>CRIMSON MIDSTREAM, LLC</b> PROPOSED 20" PIPELINE LOCATED IN SECTION 31, T18S-R22E AND SECTION 7, T19S-R22E LAFORCHE PARISH, LOUISIANA		
DATE: 4/19/19		JOB NO: 2018.1116				
DRAWING NAME: 181116P04-26.DWG						
SHEET NO: 27 OF 28						
PROJECTION: LA-S GEO. DATUM: NAD83   VERT. DATUM: NAVD88 GRID UNITS: US SURVEY FEET						
NOT TO SCALE		 <b>T. BAKER SMITH</b> A CENTURY OF SOLUTIONS 412 South Van Ave, Houma, LA 70363 (985)868-1050 - tbsmith.com		REV. NO: 01	REV. DATE: 7/01/19	REV. BY: LJB
				REVISION DESCRIPTION: -- General Revisions		

## EQUIPMENT LIST CONTINUED

One (1) Pipe Lay Barge 185' x 45' x 9' with 60 Ton/100' Boom Deck Crane & Crew Quarters for 32 Men, Draft 4.5'

Three (3) Cargo Barges 120' x 30' x 7', Draft Loaded 4.5'

One (1) Spud Barge 110' x 34' x 7' Open Deck Cargo, Draft Loaded 4.5'

Two (2) 55' x 18' x 7', 600 H.P. Twin Screw, Draft 4.5'

Two (2) Crewboats 38' x 10' x 4' with Dual 250 H.P. Outboard Motors, Draft at Idle 2.5'

One (1) Open Deck Spud Barge 120' x 34' x 7' with LS98A, 40 Ton/70' Boom Crane, Draft 3.5'

Ten (10) Pipe Lift & Repair Barges, Single Yokes 30' x 26' x 4', Draft 2.5'

Two (2) Work Pontoons 30' x 10' x 2.5', Draft 1.5'

Two (2) Work Skiffs 16' x 8' x 2' with 35 H.P. Air Cooled Mud Motor, Draft at Idle 1.5'

One (1) Directional Drill Rig with Appendences  
On Spud Barge for Water Drill, Draft 3.5'  
On Mats for Land Drill

One (1) Drop Claw Jet Barge 100' x 34' x 5' with Four - 400 H.P./Three Stage Jetting Pumps, One - 750 CFM Air Compressor, Draft 3'


One (1) Hydraulic Crane 50 Ton (Land)

One (1) D5 Dozer (Land)

Two (2) Backhoes 1.5 Cubic Yard (Land)

One (1) LS98A 40 Ton Crane with 70' Boom (Land)

THESE DRAWINGS ARE TO BE USED EXCLUSIVELY  
FOR THE ACQUISITION OF REGULATORY PERMITS.

DRAWN BY: LJB	APPROVED BY: CJR	<b>NOTES</b>  <b>CRIMSON MIDSTREAM, LLC</b> PROPOSED 20" PIPELINE LOCATED IN SECTION 31, T18S-R22E AND SECTION 7, T19S-R22E LAFOURCHE PARISH, LOUISIANA				
DATE: 4/19/19	JOB NO: 2018.1116					
DRAWING NAME: 181116P04-26.DWG						
SHEET NO: 28 OF 28						
PROJECTION: LA-S GEO. DATUM: NAD83   VERT. DATUM: NAVD88 GRID UNITS: US SURVEY FEET						
NOT TO SCALE		 <b>T. BAKER SMITH</b> A CENTURY OF SOLUTIONS 412 South Van Ave, Houma, LA 70363 (985)868-1050 - tbsmith.com		REV. NO: 00	REV. DATE: --/--	REV. BY: --
		REVISION DESCRIPTION: --				