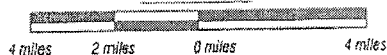





These plats are to be used exclusively for the acquisition of regulatory permits.

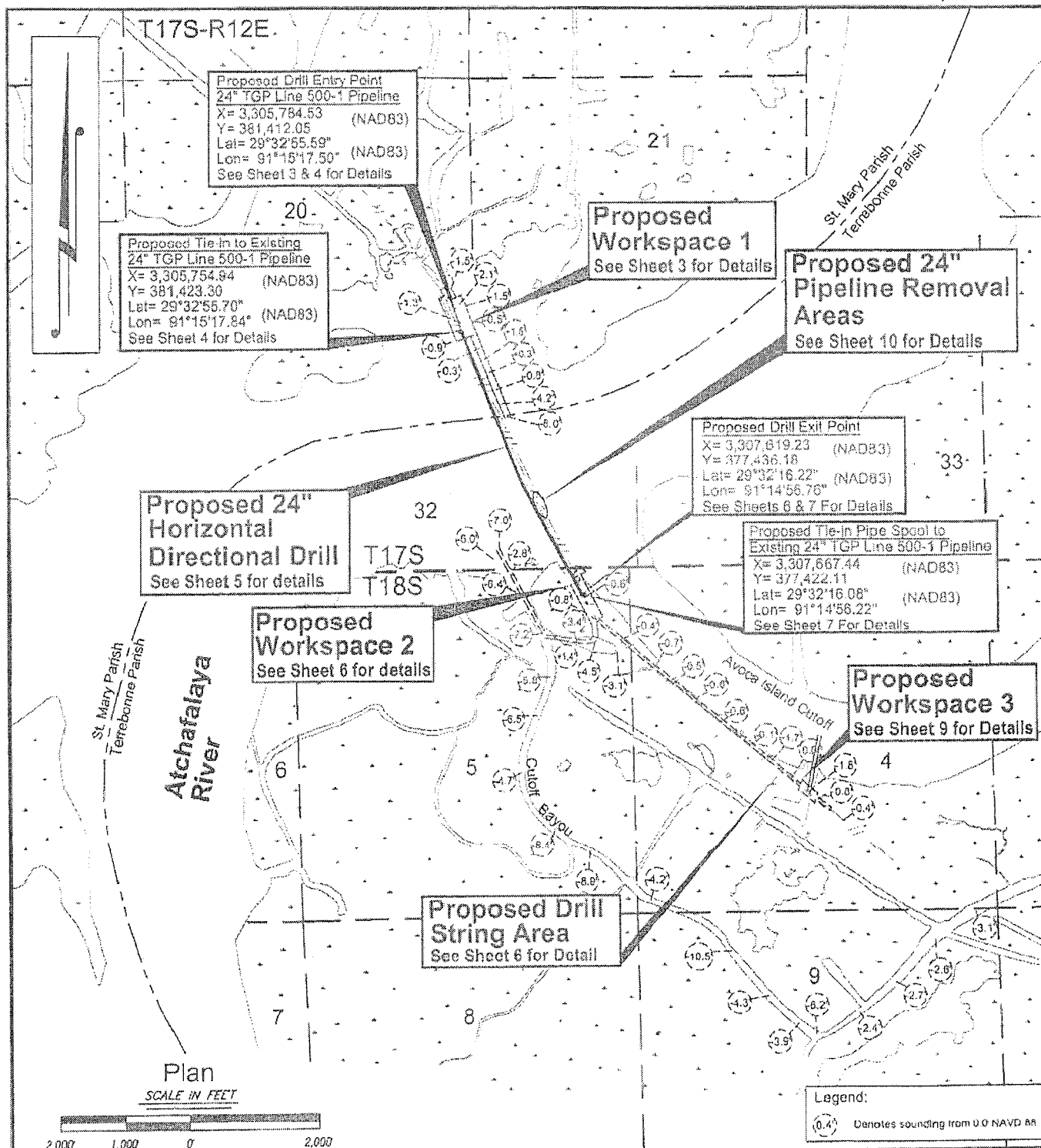
Vicinity Map

SCALE IN MILES




Division:	Gulf Coast	Op. Area:	Houma
St.:	LA	Co./Par.:	St. Mary & Terrebonne
Section:	4,5,20,21 & 32	Township:	T17S, T18S
Range:	R12E		
Dft.:	erc	Date:	1/18/12
Project ID:	150482		
Chk.:	tes	Date:	1/18/12
Scale:	1" = 4 Miles		
Appr.:		Date:	
Filename:	2011.0123P01.dwg		

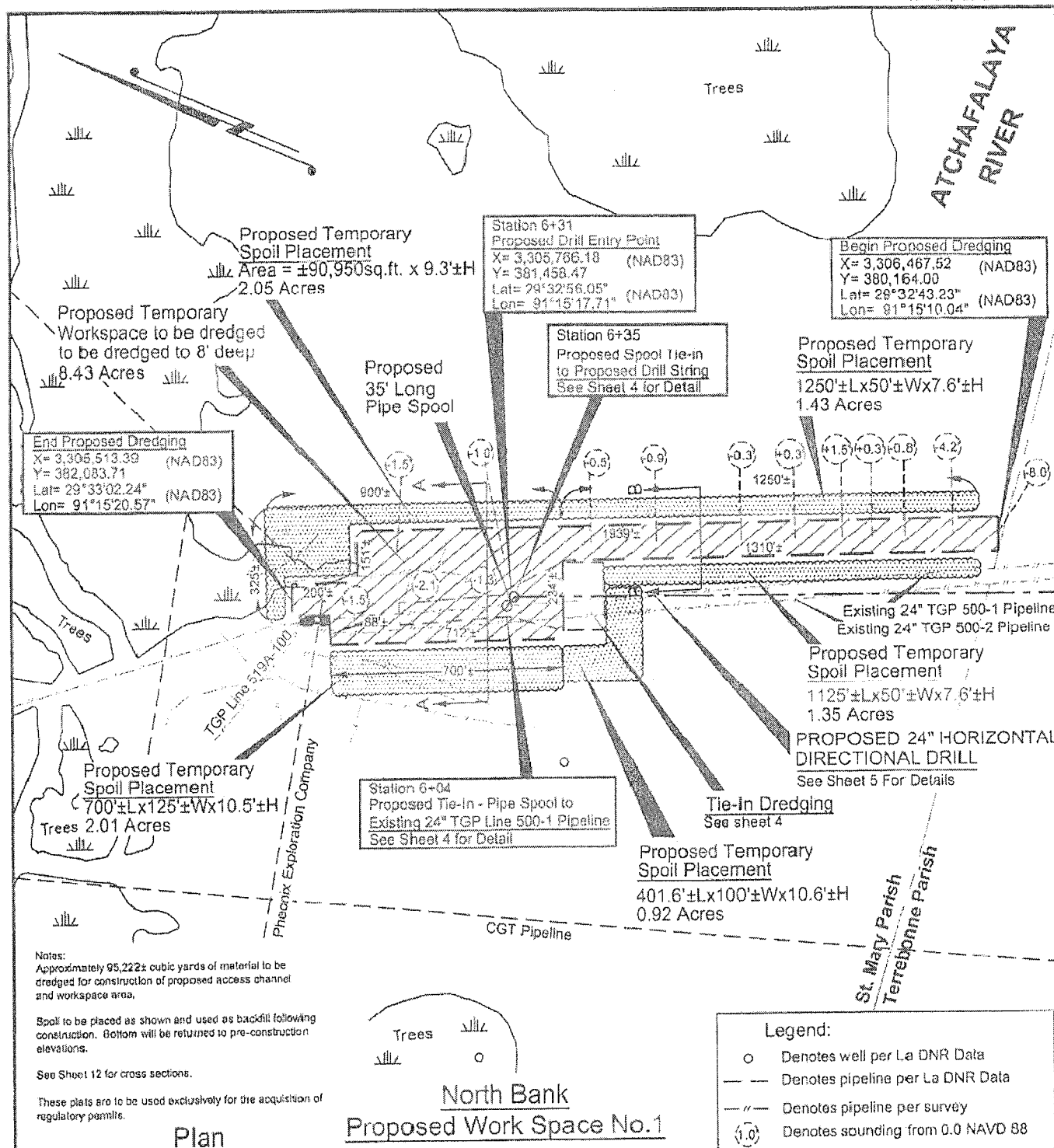
NO.	DATE	BY	DESCRIPTION	PROJ. ID	APPR.
REVISIONS					
			<div>  <div> Tennessee Gas Pipeline an El Paso company </div> </div>		
			<div> Proposed Directional Drill Replacement of TGP 24" Line No. 500-1 in T17S-R12E Southwest of Morgan City St. Mary Parish & Terrebonne Parish </div>		
			2011.0123P01	Sheet: 1 of 14 Type: acod	00



These plans are to be used exclusively for the acquisition of regulatory permits.

Division:	Gulf Coast	Op. Area:	Houma
St.:	LA	Co./Par.:	St. Mary & Terrebonne
Section:	4,5,20,21 & 32	Township:	T17S, T18S
		Range:	R12E
Dft:	emc	Date:	1/18/12
Project ID:	150462		
Chk:	tdb	Date:	1/18/12
Scale:	1" = 2000'		
Appr:		Date:	
Filename:	2011.0123P02.dwg		

NO.	DATE	BY	DESCRIPTION	PROJ. ID	APPR.
REVISIONS					
<div>  Tennessee Gas Pipeline an El Paso company </div>					
Proposed Directional Drill Replacement of TGP 24" Line No. 500-1 in T17S-R12E Southwest of Morgan City St. Mary Parish & Terrebonne Parish				2011.0123P02	Sheet: 2 of 14 Type: acad
					00



Notes:
Approximately 95,222± cubic yards of material to be dredged for construction of proposed access channel and workspace area.
Spoil to be placed as shown and used as backfill following construction. Bottom will be returned to pre-construction elevations.
See Sheet 12 for cross sections.
These plans are to be used exclusively for the acquisition of regulatory permits.

Plan

SCALE IN FEET



Division:	Gulf Coast	Op. Area:	Houma
St.:	LA	Co./Par.:	St. Mary
Section:	20 & 21	Township:	T17S
		Range:	R12E
Dft:	ams	Date:	1/18/12
		Project ID:	150462
Chk:	idb	Date:	1/18/12
		Scale:	1" = 400'
Appr:		Date:	
		Filename:	2011.0123P03.dwg

North Bank Proposed Work Space No.1

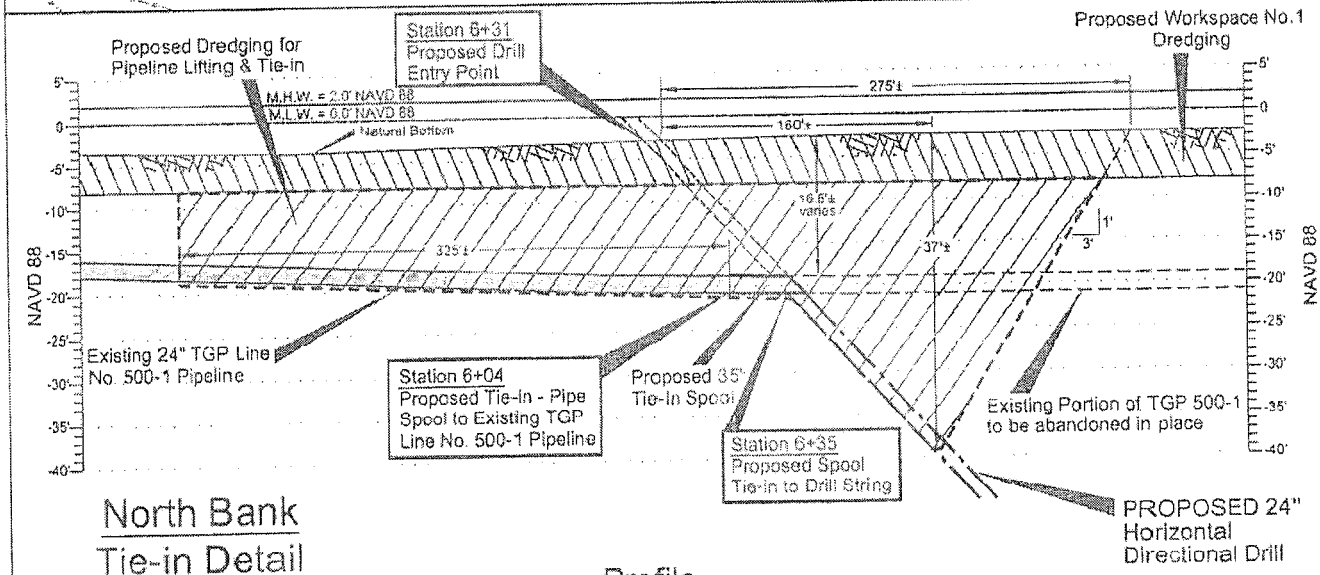
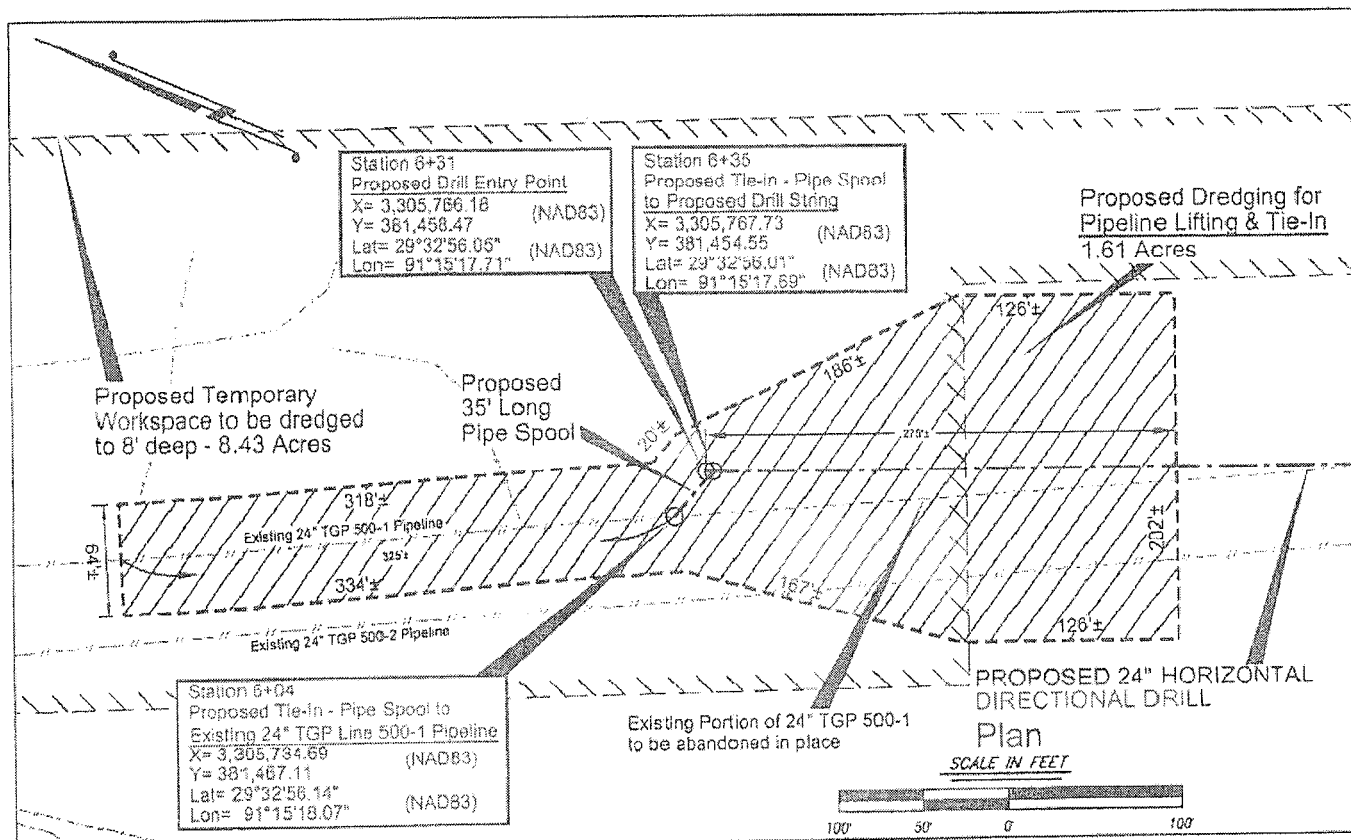
Legend:

- Denotes well per La DNR Data
- Denotes pipeline per La DNR Data
- - - Denotes pipeline per survey
- (1.0) Denotes sounding from 0.0 NAVD 88

NO.	DATE	BY	DESCRIPTION	PROJ. ID	APPR.
REVISIONS					
<div style="display: flex; justify-content: space-between; align-items: center;"> <div> <p>Proposed Directional Drill Replacement of TGP 24" Line No. 500-1 in T17S-R12E Southwest of Morgan City St. Mary Parish & Terrebonne Parish</p> </div> <div> <p>2011.0123P03</p> </div> <div> <p>Sheet: 3 of 14 Type: aced</p> </div> </div>					



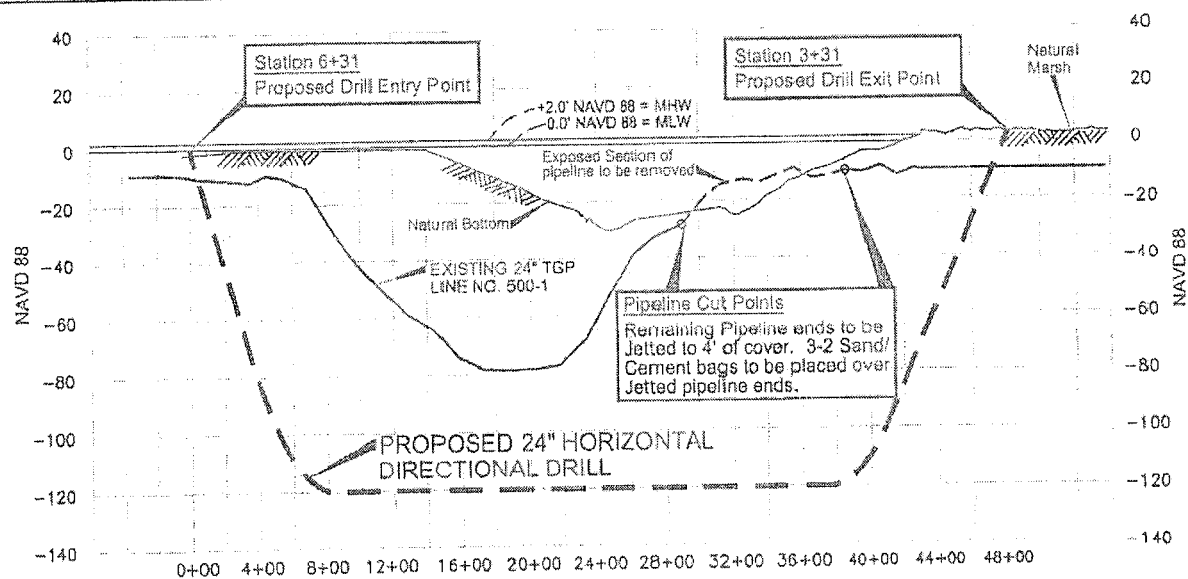
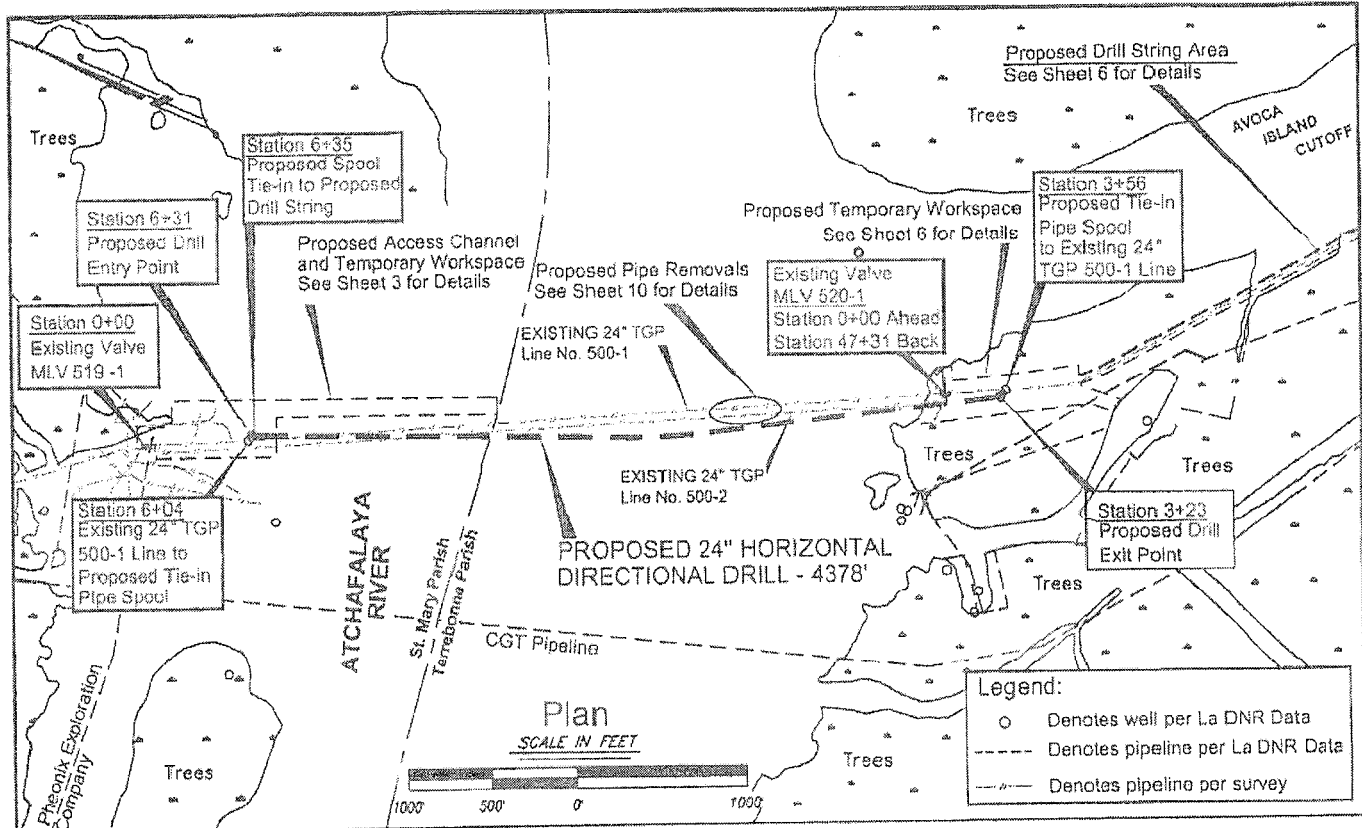
Tennessee
Gas Pipeline
an E.P. Energy company



Notes:
Approximately 19,696 cubic yards of material to be excavated for tie-in to existing 24" TGP 500-1 Pipeline.

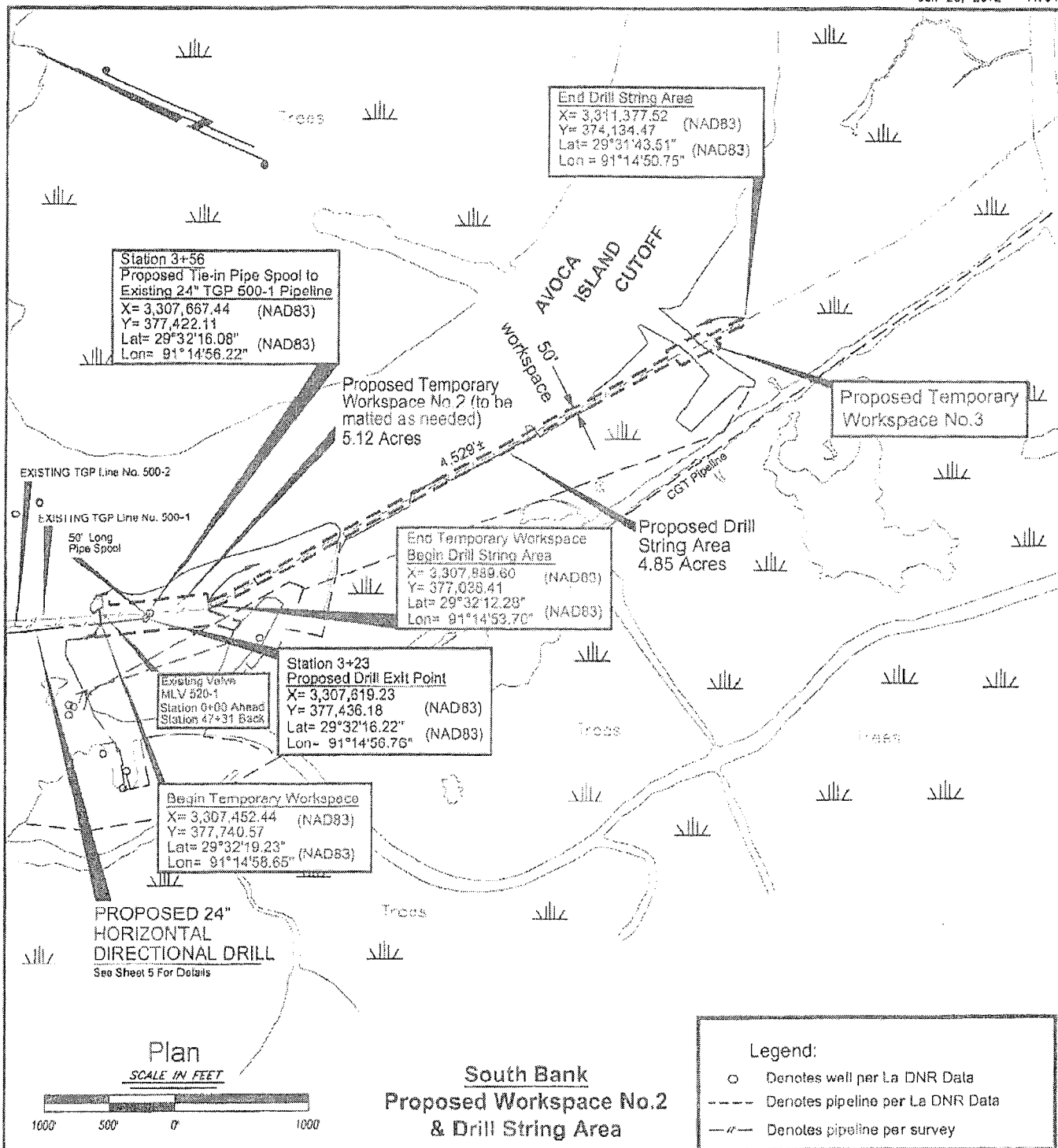
These plans are to be used exclusively for the acquisition of regulatory permits.

NO.	DATE	BY	DESCRIPTION	PROJ. ID	APPR.
REVISIONS					
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These plate are to be used exclusively for the acquisition of regulatory permits.

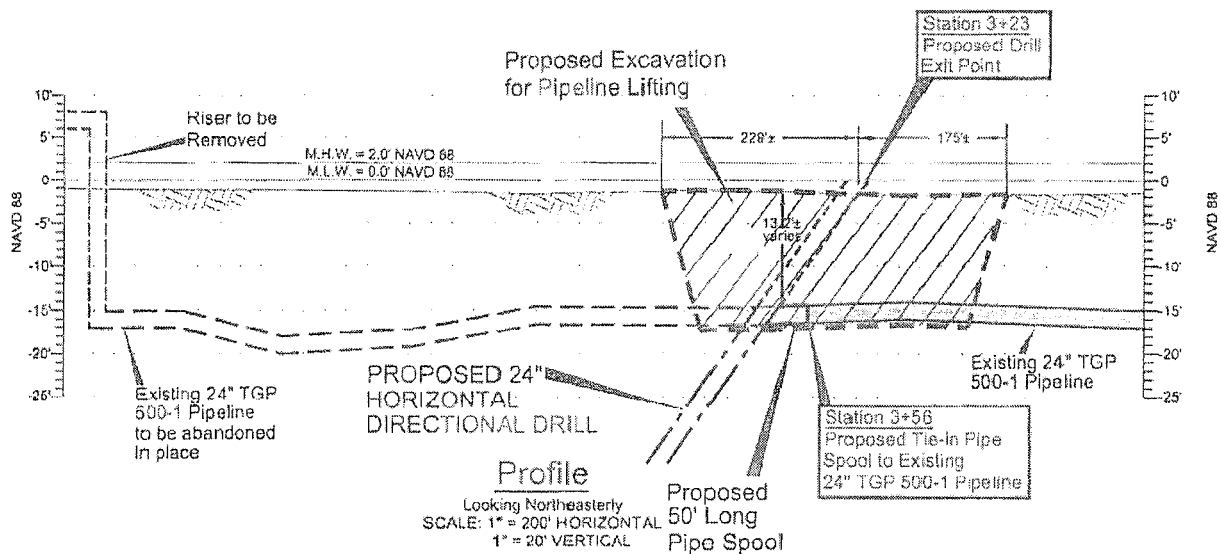
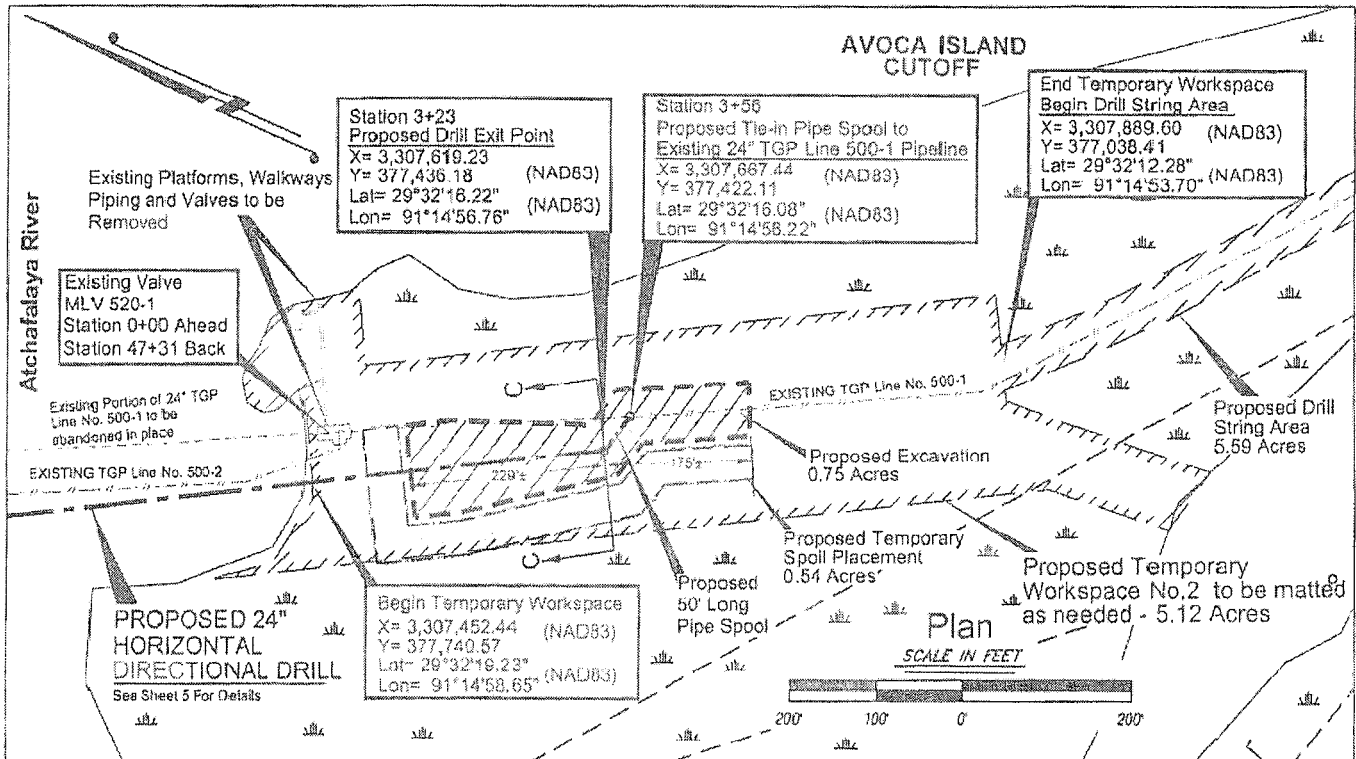
NO.	DATE	BY	DESCRIPTION	PROJ. ID	APPR.
REVISIONS					
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2011.0123P05				Sheet: 5 of 14	00
				Type: acod	



South Bank Proposed Workspace No.2 & Drill String Area

Division:	Gulf Coast	Op. Area:	Houma
St.:	LA	Co./Par.:	Terrebonne
Section:	4, 5 & 32	Township:	T17S, T18S
Dft:	emc	Date:	1/18/12
Chk:	tdb	Date:	1/18/12
Appr:		Date:	
Project ID:	150482	Scale:	1" = 1000'
Filename:	2011.0123P06.dwg		

NO.	DATE	BY	DESCRIPTION	PROJ. ID	APPR.
REVISIONS					
<div> <div> <div> Tennessee Gas Pipeline an El Paso company </div> </div> <div> 2011.0123P06 </div> <div> Sheet: 6 of 14 Type: ocd </div> </div>					



Notes:
Approximately 11,397± cubic yards of material to be excavated for tie-in of proposed directional drill to existing 24" pipeline.

Spoil to be placed as shown and used as backfill following construction.


See Sheet 12 for cross section C-C.

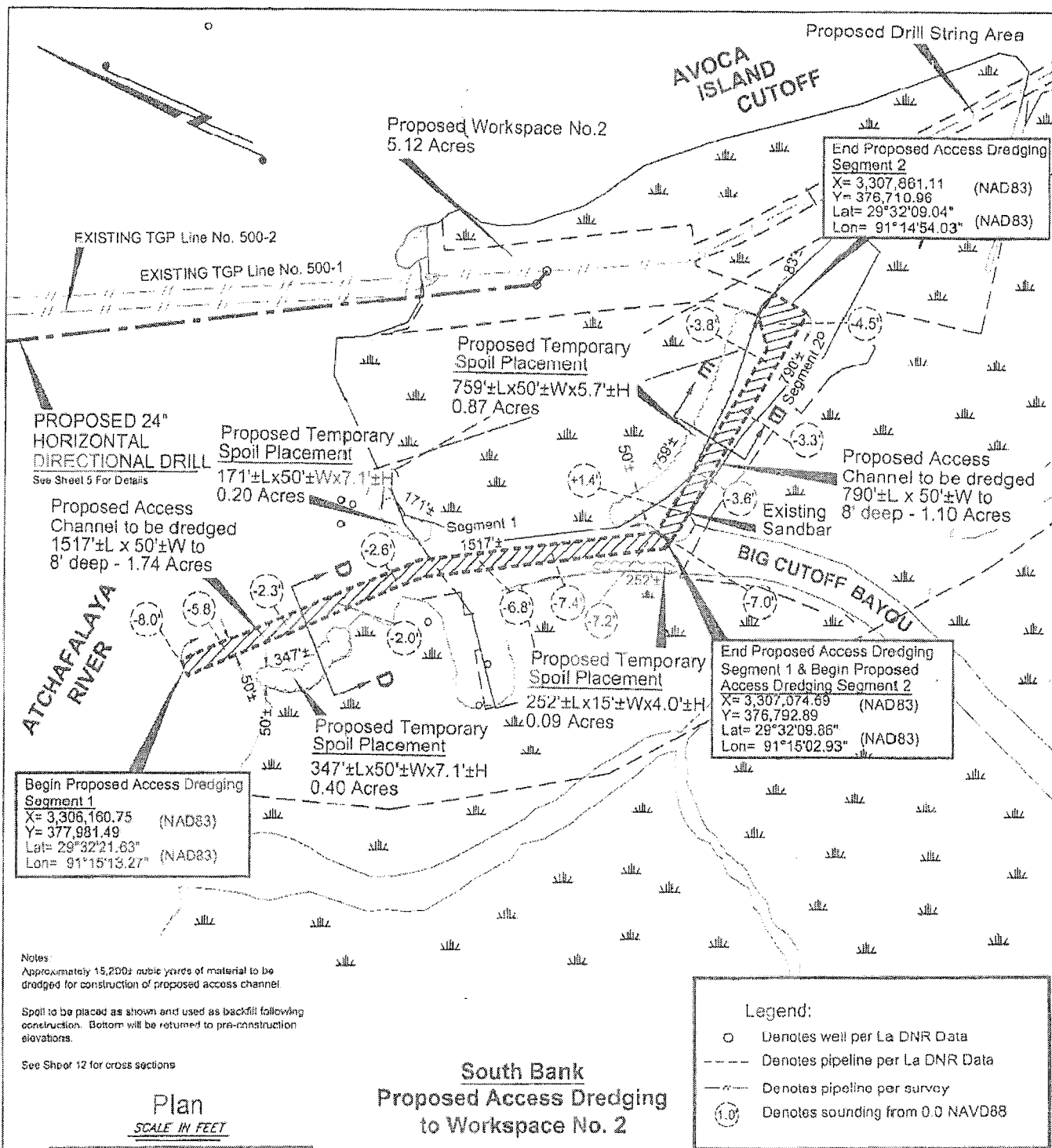
These plans are to be used exclusively for the acquisition of regulatory permits.




South Bank Proposed Workspace No.2 & Tie-In Detail

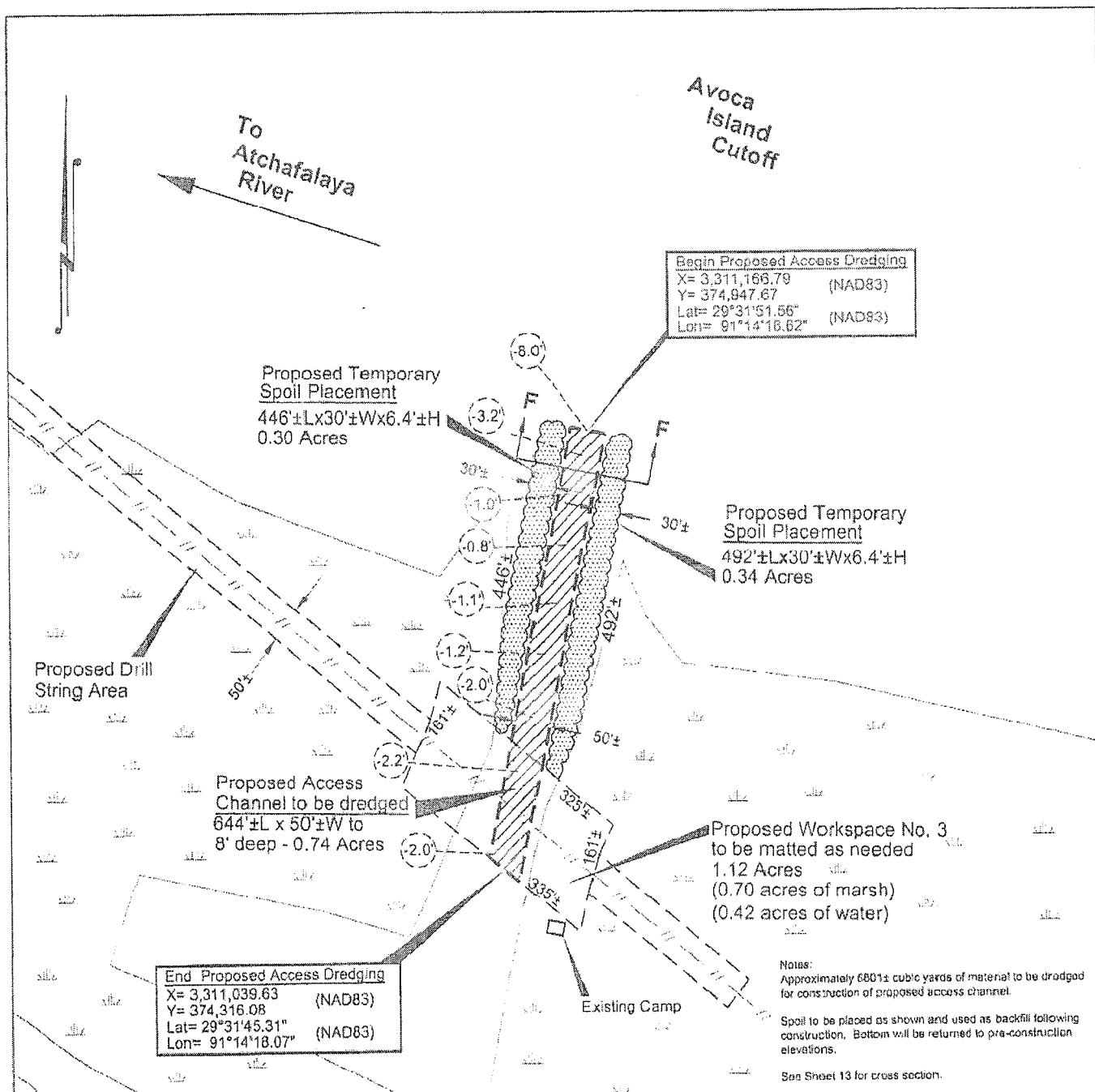
Legend:

- Denotes pipeline per La DNR Data
- - - Denotes pipeline per survey

NO.	DATE	BY	DESCRIPTION	PROJ. IO	APPR.
REVISIONS					
Division:	Gulf Coast	Op. Area:	Houma	 Tennessee Gas Pipeline an El Paso company	
SL:	LA	Co./Par.:	Terrebonne		
Section:	4, 5 & 32	Township:	T17S, T18S		
		Range:	R12E		
Dft:	emc	Date:	1/18/12		
Chk:	tdb	Date:	1/18/12	2011.0123P07 Sheet: 7 of 14 Type: ocd 00	
Appr:		Date:			
Proposed Directional Drill Replacement of TGP 24" Line No. 500-1 in T17S-R12E Southwest of Morgan City St. Mary Parish & Terrebonne Parish					



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[These plans are to be used exclusively for the acquisition of regulatory permits.]																																													
<table><tr><td>NO.</td><td>DATE</td><td>BY</td><td>DESCRIPTION</td><td>PROJ. ID</td><td>APPR.</td></tr><tr><td colspan="6">REVISIONS</td></tr></table>				NO.	DATE	BY	DESCRIPTION	PROJ. ID	APPR.	REVISIONS																																			
NO.	DATE	BY	DESCRIPTION	PROJ. ID	APPR.																																								
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<table><tr><td>Division:</td><td>Gulf Coast</td><td>Op. Area:</td><td>Houma</td></tr><tr><td>St.:</td><td>LA</td><td>Co./Par.:</td><td>Terrebonne</td></tr><tr><td>Section:</td><td>4, 5 & 32</td><td>Township:</td><td>T17S, T18S</td></tr><tr><td></td><td></td><td>Range:</td><td>R12E</td></tr><tr><td>Dft:</td><td>smc</td><td>Date:</td><td>1/18/12</td></tr><tr><td></td><td></td><td>Project ID:</td><td>150462</td></tr><tr><td>Chk:</td><td>tdb</td><td>Date:</td><td>1/18/12</td></tr><tr><td></td><td></td><td>Scale:</td><td>1" = 400'</td></tr><tr><td>Appr:</td><td>Date:</td><td>Filename:</td><td>2011.0123P08.dwg</td></tr></table>				Division:	Gulf Coast	Op. Area:	Houma	St.:	LA	Co./Par.:	Terrebonne	Section:	4, 5 & 32	Township:	T17S, T18S			Range:	R12E	Dft:	smc	Date:	1/18/12			Project ID:	150462	Chk:	tdb	Date:	1/18/12			Scale:	1" = 400'	Appr:	Date:	Filename:	2011.0123P08.dwg	<table><tr><td colspan="2"> Tennessee Gas Pipeline an E.I. Paso company</td></tr><tr><td>2011.0123P08</td><td>Sheet: 8 of 14 Type: acad</td></tr></table>		 Tennessee Gas Pipeline an E.I. Paso company		2011.0123P08	Sheet: 8 of 14 Type: acad
Division:	Gulf Coast	Op. Area:	Houma																																										
St.:	LA	Co./Par.:	Terrebonne																																										
Section:	4, 5 & 32	Township:	T17S, T18S																																										
		Range:	R12E																																										
Dft:	smc	Date:	1/18/12																																										
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Chk:	tdb	Date:	1/18/12																																										
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 Tennessee Gas Pipeline an E.I. Paso company																																													
2011.0123P08	Sheet: 8 of 14 Type: acad																																												
Proposed Directional Drill Replacement of TGP 24" Line No. 500-1 in T17S-R12E Southwest of Morgan City St. Mary Parish & Terrebonne Parish																																													
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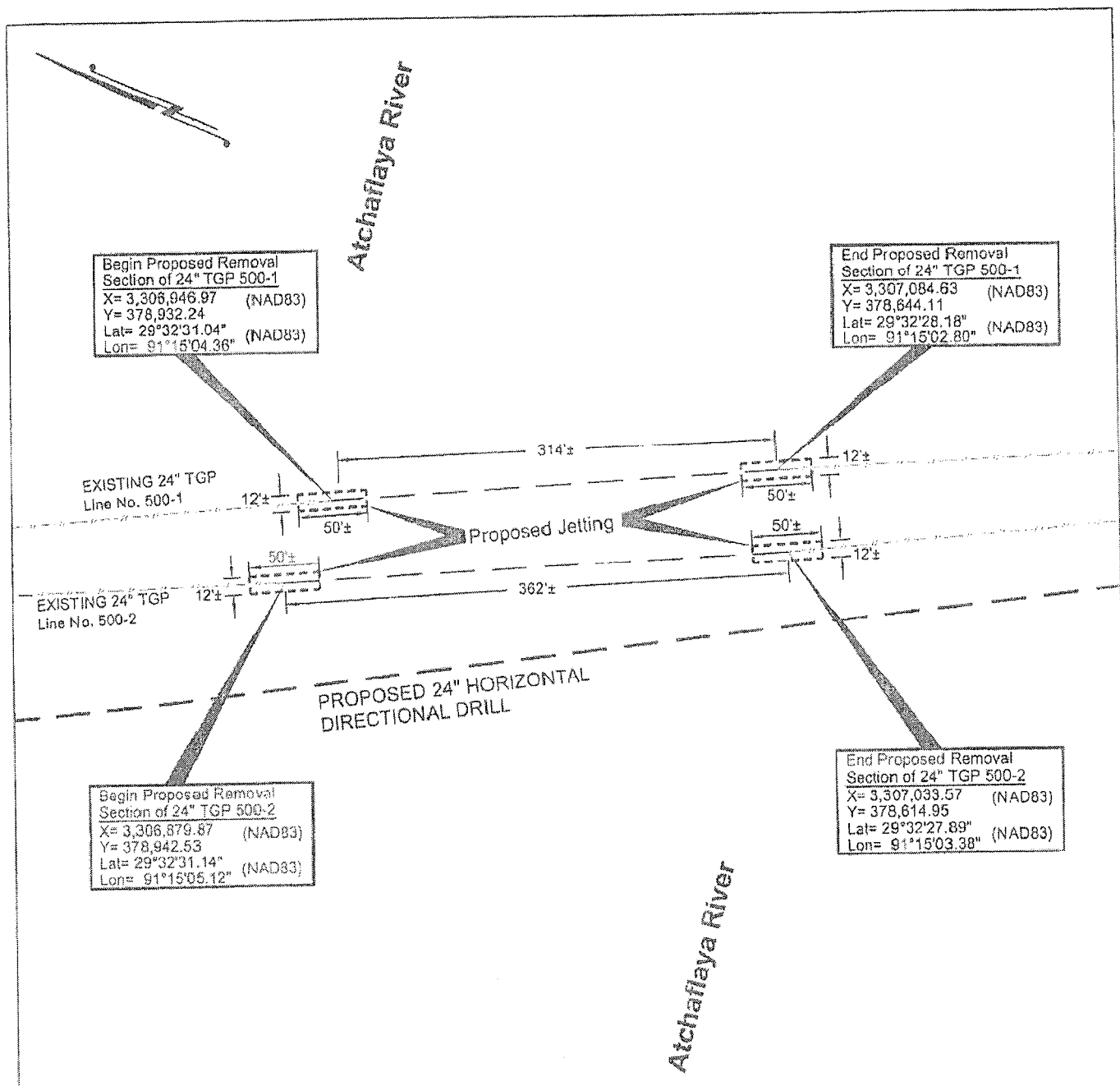
**South Bank
Proposed Access Dredging to
Workspace No. 3**

Legend:
 Denotes sounding from 0.0 NAVD88

These plans are to be used exclusively for the acquisition of regulatory permits.

Division:	Gulf Coast	Op. Area:	Houma
St.:	LA	Co./Par.:	Terrebonne
Section:	4	Township:	T17S, T18S
		Range:	R12E
Dft:	smc	Date:	1/18/12
		Project ID:	150462
Chk:	tdb	Date:	1/18/12
		Scale:	1" = 200'
Appr:		Date:	
		Filename:	2011.0123P09.dwg

NO.	DATE	BY	DESCRIPTION	PROJ. ID	APPR.
REVISIONS					
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2011.0123P09				Sheet: 9 of 14 Type: aood	00

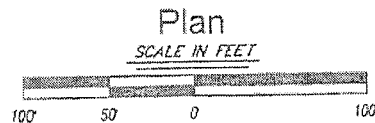


Note: Approximately 622 cubic yards of water bottom to be jetted in both 24" pipe removal areas.


Approximately 356 cubic yards of 3-2 sand/cement bags to be used to cover cut and capped pipe ends.

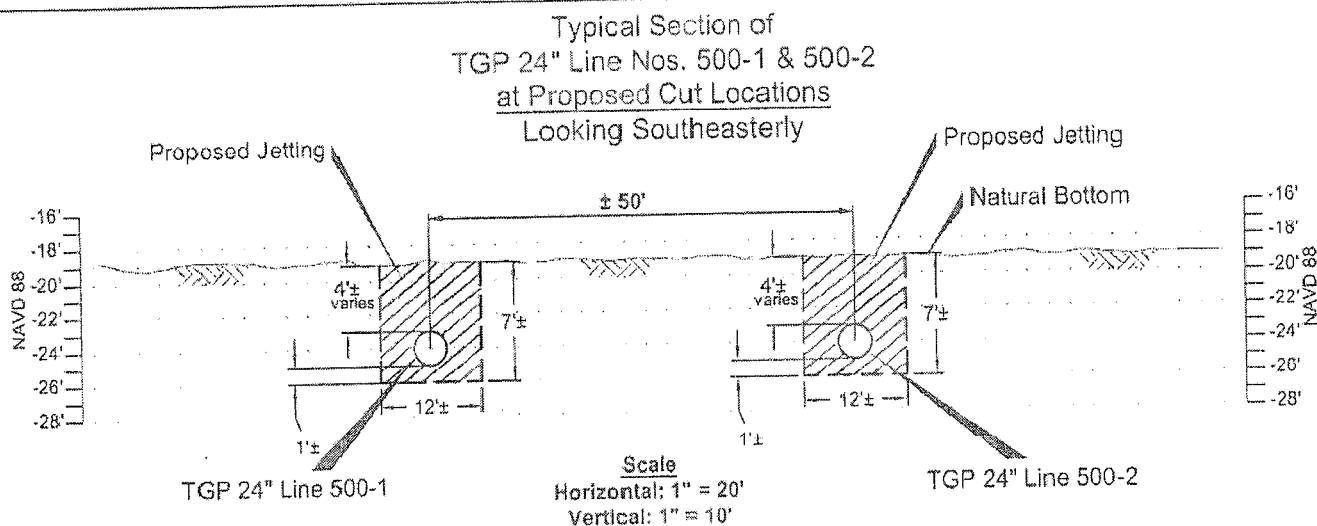
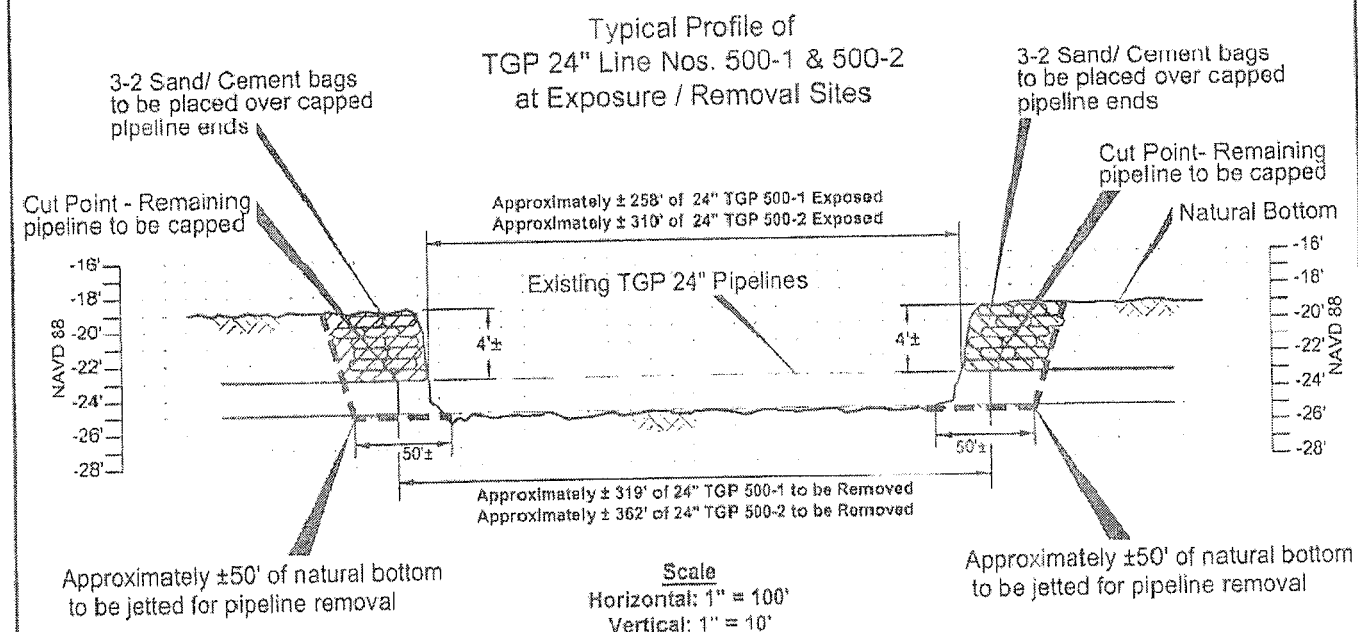
These plots are to be used exclusively for the acquisition of regulatory permits.

Proposed Pipeline Removal Detail



Division:	Gulf Coast	Op. Area:	Houma
SL:	LA	Co./Par.:	Terrebonne
Section:	32	Township:	T17S
		Range:	R12E
Dft: emc	Date: 1/18/12	Project ID:	150462
Chk: tdb	Date: 1/18/12	Scale:	As Shown
Appr:	Date:	Filename:	2011.0123P10.dwg


NO.	DATE	BY	DESCRIPTION	PROJ. ID	APPR.
REVISIONS					
Proposed Directional Drill Replacement of TGP 24" Line No. 500-1 in T17S-R12E Southwest of Morgan City St. Mary Parish & Terrebonne Parish				2011.0123P10	00
 Tennessee Gas Pipeline an El Paso company				Sheet: 10 of 14	
				Type: acod	

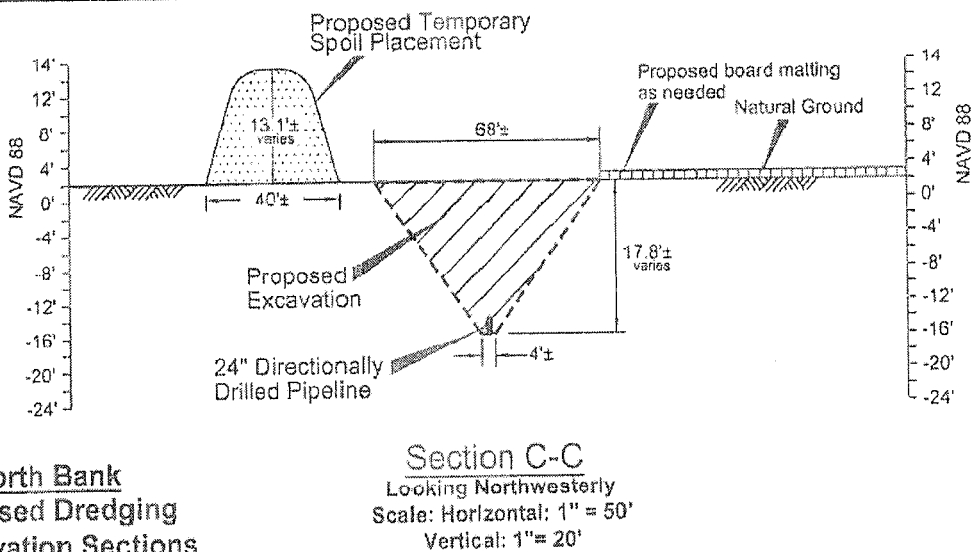
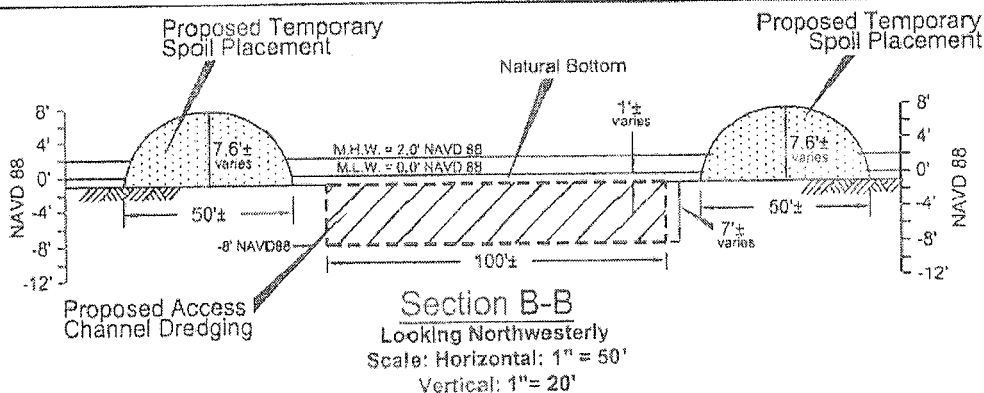
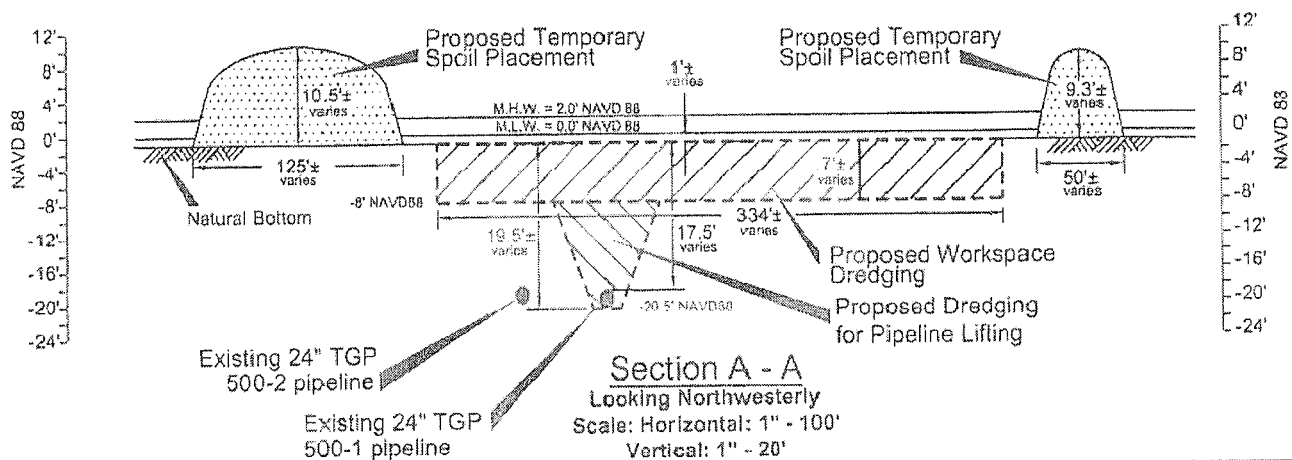


Proposed Pipeline Removal Details

Note: Approximately 622 cubic yards of water bottom to be jetted in both 24" pipe removal areas.

These plots are to be used exclusively for the acquisition of regulatory permits.


NO.	DATE	BY	DESCRIPTION	PROJ. ID	APPR.
REVISIONS					
Division: Gulf Coast			Op. Area: Houma		
St.: LA			Co./Por.: Terrebonne		
Section: 32			Township: T17S Range: R12E		
Dft: emc			Date: 1/18/12		
Chk: tdb			Project ID: 150462		
Appr: Date:			Scale: As Shown		
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Proposed Directional Drill Replacement of TGP 24" Line No. 500-1 in T17S-R12E Southwest of Morgan City St. Mary Parish & Terrebonne Parish				 Tennessee Gas Pipeline an El Paso company	
2011.0123P11				Sheet: 11 of 14	00
				Type: used	



North Bank Proposed Dredging & Excavation Sections

These plans are to be used exclusively for the acquisition of regulatory permits.


Division:	Gulf Coast	Op. Area:	Houma
St.:	LA	Co./Par.:	St. Mary & Terrebonne
Section:		Township:	Range:
Dft:	ema	Date:	1/18/12
Chk:	tdb	Date:	1/18/12
Appr:		Date:	
		Project ID:	150462
		Scale:	As Shown
		Filename:	2011.0123P12.dwg

NO.	DATE	BY	DESCRIPTION	PROJ. ID	APPR.
REVISIONS					
<div>  Tennessee Gas Pipeline an E.P. Inc. company </div>					
Proposed Directional Drill Replacement of TGP 24" Line No. 500-1 in T17S-R12E Southwest of Morgan City St. Mary Parish & Terrebonne Parish				2011.0123P12	Sheet: 12 of 14 Type: ocad
					00

NOTES:

1. To ensure the safety of all parties, El Paso shall contact the LA. One Call system a min. of 96 hrs. prior to commencement of any excavation.
2. As-built drawings shall be submitted within 30 days of completion of this project to the LA. Department of Natural Resources, Office of Conservation, Pipeline Division and the Coastal Management Division.
3. All structures, facilities, well and pipelines/flowlines 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 removal activities.
4. Spoil to be used as backfill following construction. Water bottom to be returned to pre-construction contours.
5. Standard marine equipment to be utilized drafts 7' of water.
6. Approximately 95,222 cubic yards will be excavated for access dredging into Workspace No.1. Approximately 19,696 cubic yards will be excavated for tie-in dredging in Workspace No.1. A total of 16.76 acres of water bottom may be affected by proposed access dredging, tie-in dredging and spoil placement for Workspace No.1.
7. Approximately 15,290 cubic yards will be excavated for access dredging into Workspace No.2. Approximately 11,397 cubic yards will be excavated for pipeline lifting and tie-in in Workspace No.2. A total of 5.99 acres of natural marsh may be affected by temporary matting, tie-in excavation and spoil placement in Workspace No.2. A total of 3.53 acres of natural water bottom will be affected by proposed access dredging and spoil placement for Workspace No.2.
8. Approximately 6,801 cubic yards will be excavated for access dredging into Workspace No.3. A total of 1.38 acres of natural water bottom will be affected for access dredging and spoil placement for Workspace No.3. A total of 0.70 acres of natural marsh will be affected by proposed temporary matting for Workspace No.3.
9. Approximately 2.08 acres of natural water bottom will be affected for drill stringing. Approximately 2.77 acres of natural marsh will be affected for drill stringing.
10. Approximately 622 cubic yards will be jetted for pipeline removals. Approximately 0.06 acres of natural water bottom will be affected for pipeline removals.
10. A total of 149,028 cubic yards will be excavated. A total of 23.81 acres of natural water bottom will be affected. A total of 9.46 acres of natural marsh will be affected.

These plots are to be used exclusively for the acquisition of regulatory permits.

NO.	DATE	BY	DESCRIPTION	PROJ. ID	APPR.
REVISIONS					
Division: Gulf Coast			Op. Area: Houma		
St.: LA			Co./Par.: St. Mary & Terrebonne		
Section:		Township:		Range:	
Dft: emc	Date: 1/18/12	Project ID: 150482			
Chk: tdb	Date: 1/18/12	Scale: none			
Appr:	Date:	Filename: 2011.0123P14.dwg			
Proposed Directional Drill Replacement of TGP 24" Line No. 500-1 in T17S-R12E Southwest of Morgan City St. Mary Parish & Terrebonne Parish			 Tennessee Gas Pipeline an El Paso company		