



Project Area

Datum: NAD 1983
Projection: UTM
Zone: 15
Units: Meter



0 1 2 Miles

ATKINS

Figure 1
Wetland Delineation Map
Enterprise Products Operating LLC
20-Inch Auxiliary Line Replacement

Jefferson and Orange Counties, Texas

Prepared By: ATKINS/14923

Scale: 1" = 2 miles

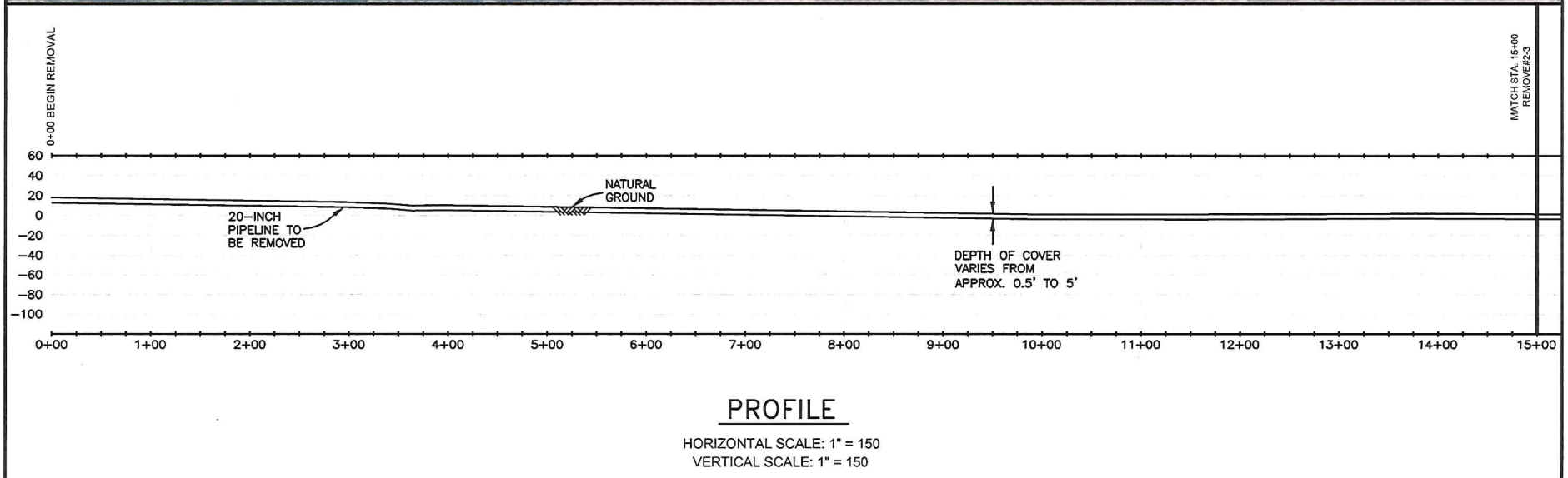
Job No.: 100040254

Date: Jun 04, 2014

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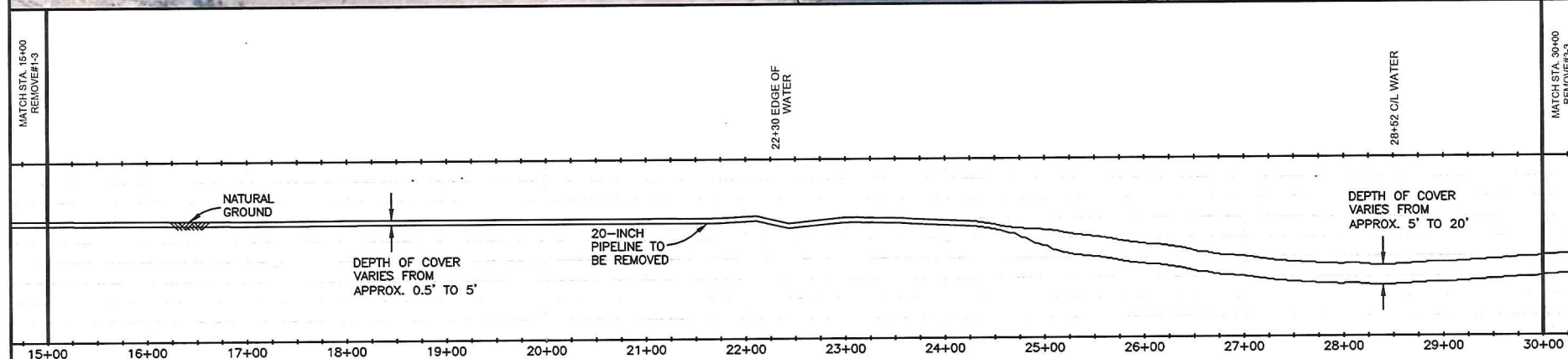
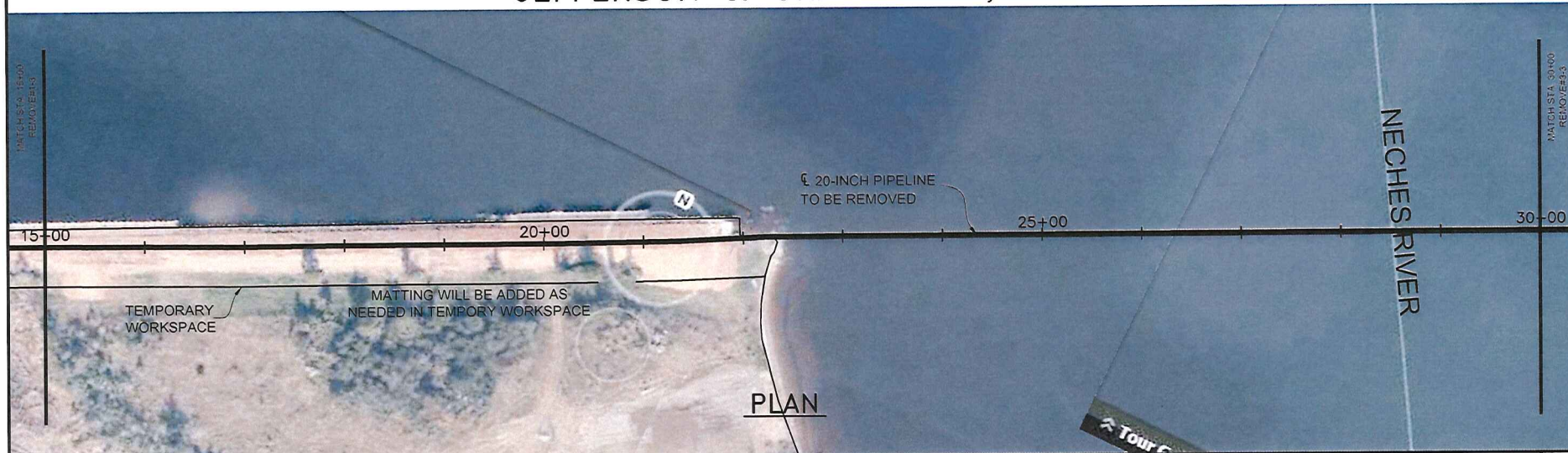
[illegible]

JEFFERSON & ORANGE CO., TEXAS



REV.	DATE	DESCRIPTION	APPD.	PLAN & PROFILE 20-INCH LINE TO BE REMOVED ACROSS WETLANDS AND NECHES RIVER LOCATED IN JEFFERSON & ORANGE COUNTY, TX	 Enterprise Products	 TEXAS FIRM REGISTRATION NUMBER F-4899																							
0	06/13/14	ISSUED FOR PERMIT																											
					20-INCH REMOVAL																								
					<table><tr><td>DRAWN</td><td>JPH</td><td>JOB NO</td><td>740027</td></tr><tr><td>DWG. DATE</td><td>06/13/14</td><td>CHECKED</td><td>JPH</td></tr><tr><td>SCALE</td><td>NONE</td><td>CK. DATE</td><td>06/13/14</td></tr><tr><td>DRAWING NO.</td><td colspan="3">REMOVE#1-3</td></tr><tr><td></td><td colspan="3">ISSUED FOR PERMIT</td></tr><tr><td>DATE</td><td>06/13/14</td><td>REV</td><td>0</td></tr></table>	DRAWN	JPH	JOB NO	740027	DWG. DATE	06/13/14	CHECKED	JPH	SCALE	NONE	CK. DATE	06/13/14	DRAWING NO.	REMOVE#1-3				ISSUED FOR PERMIT			DATE	06/13/14	REV	0
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JEFFERSON & ORANGE CO., TEXAS

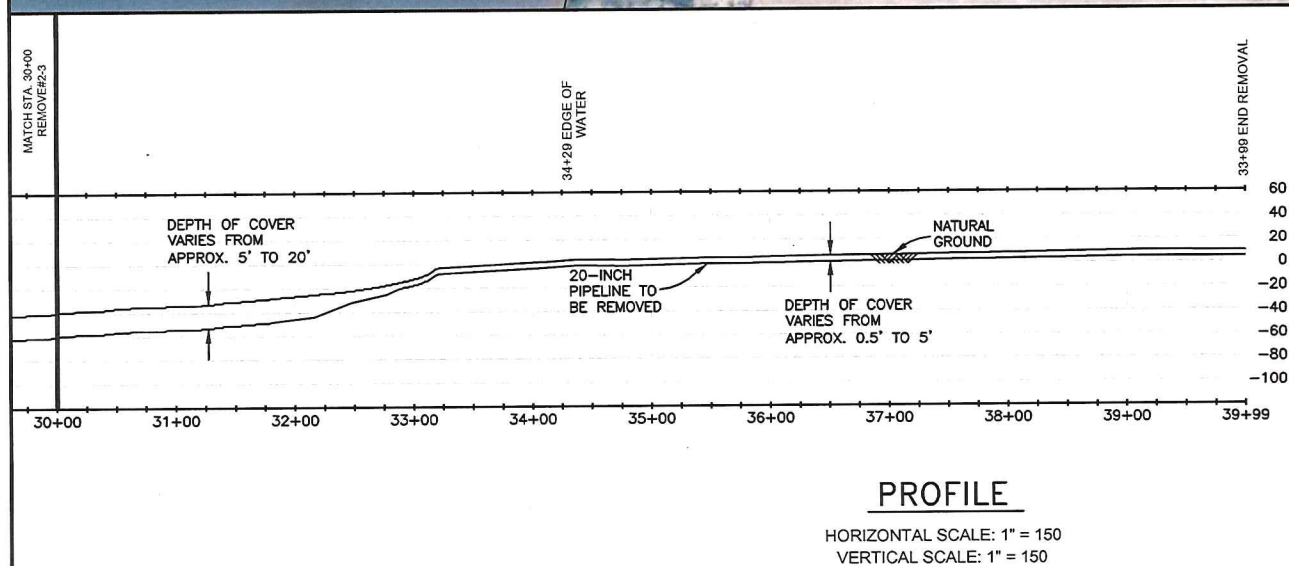
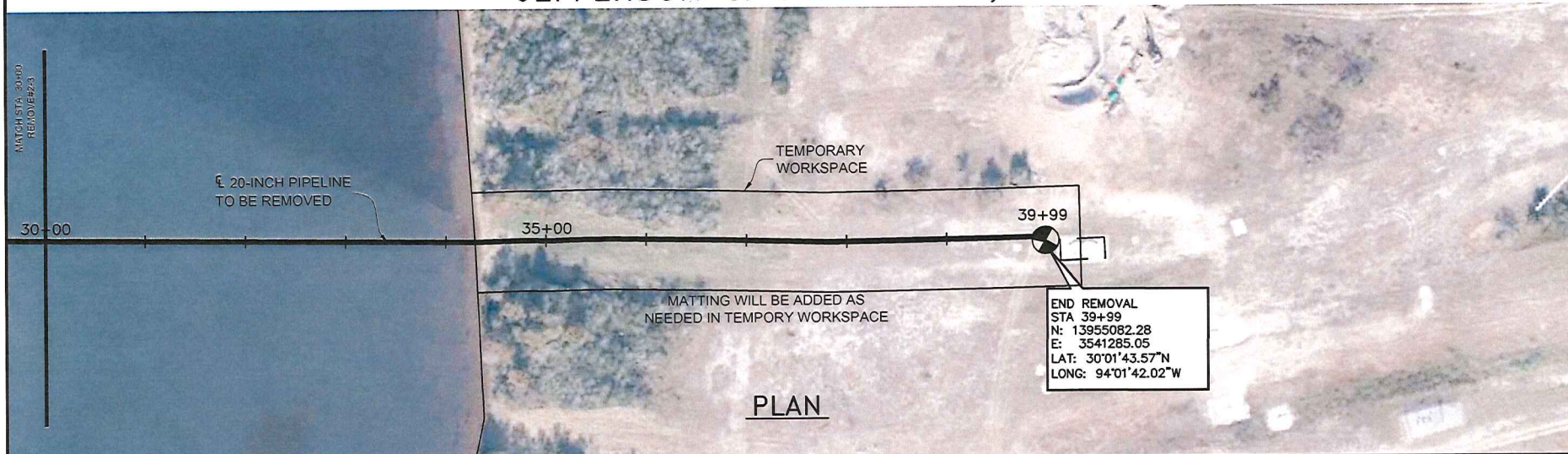


PROFILE

HORIZONTAL SCALE: 1" = 150
VERTICAL SCALE: 1" = 150

REV.	DATE	DESCRIPTION	APPD.	PLAN & PROFILE 20-INCH LINE TO BE REMOVED ACROSS WETLANDS AND NECHES RIVER LOCATED IN JEFFERSON & ORANGE COUNTY, TX		 TEXAS FIRM REGISTRATION NUMBER F-4999	
0	06/13/14	ISSUED FOR PERMIT				DRAWN	JPH
						DWG. DATE	06/13/14
						SCALE	NONE
						DRAWING NO.	NONE
				20-INCH REMOVAL	 TEXAS FIRM REGISTRATION NUMBER F-4999	JOB NO.	740027
						CHECKED	JPH
						CK. DATE	06/13/14
						ISSUED FOR PERMIT	
						DATE	06/13/14
						REV	0

JEFFERSON & ORANGE CO., TEXAS



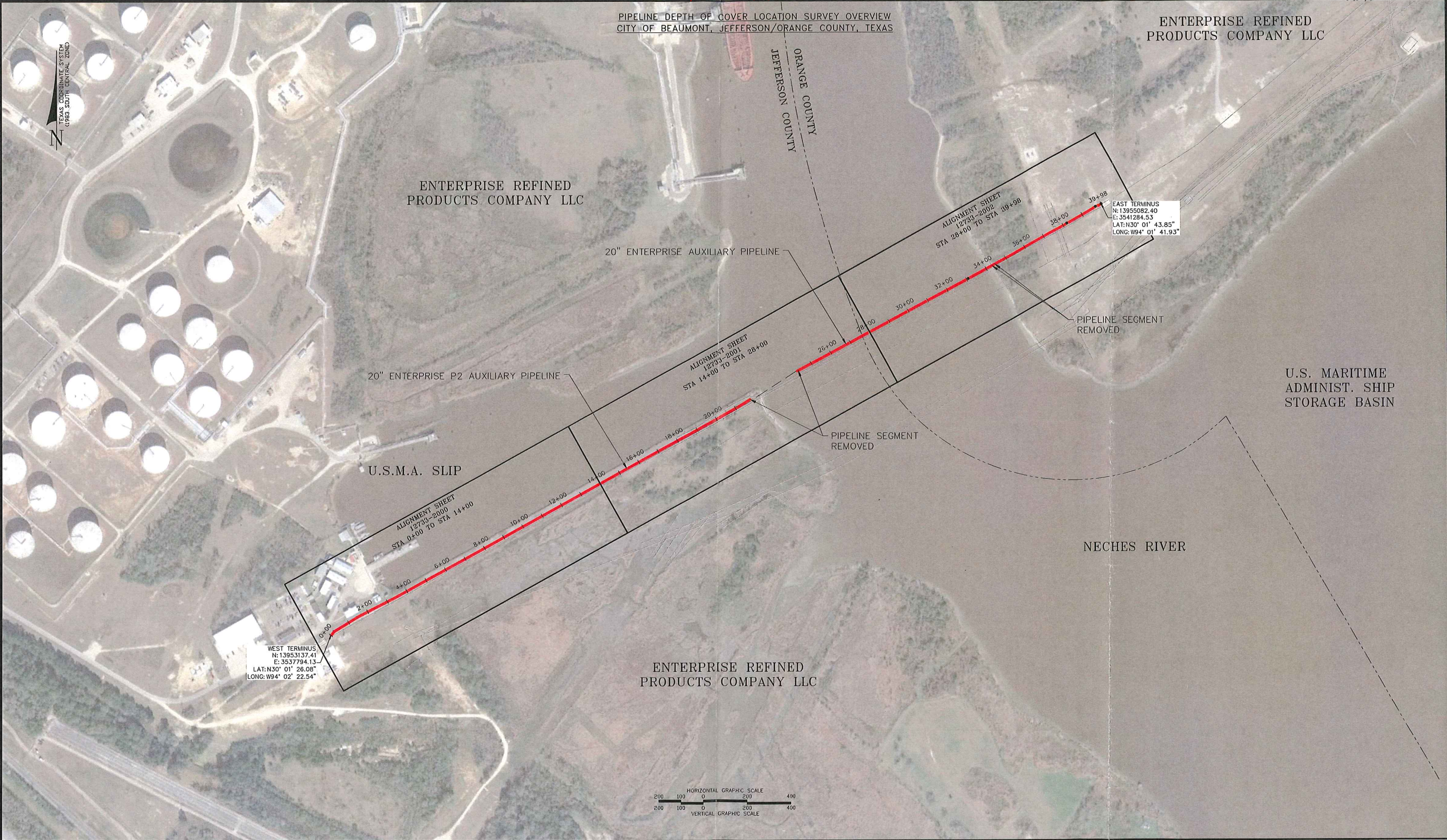
PROFILE

HORIZONTAL SCALE: 1" = 150

VERTICAL SCALE: 1" = 150

REV.	DATE	DESCRIPTION	APPD.	PLAN & PROFILE 20-INCH LINE TO BE REMOVED ACROSS WETLANDS AND NECHES RIVER LOCATED IN JEFFERSON & ORANGE COUNTY, TX			
0	06/13/14	ISSUED FOR PERMIT				DRAWN	JPH
						JOB NO	740027
						DWG. DATE	06/13/14
						CHECKED	JPH
				20-INCH REMOVAL		SCALE	NONE
						CK. DATE	06/13/14
						DRAWING NO.	REMOVE#3-3
						ISSUED FOR PERMIT	
						DATE	06/13/14
						REV	0

APR 05 2018



GENERAL NOTES:

- COORDINATES SHOWN ARE REFERENCED TO THE TEXAS STATE PLANE COORDINATE SYSTEM, SOUTH CENTRAL ZONE, NORTH AMERICAN DATUM OF 1983.
- REFERENCE DRAWINGS ARE FROM THE PROVIDED ENTERPRISE, ARMY CORPS OF ENGINEERS PERMIT NUMBER SWG-2013-00954.
- ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM 1988.
- A DILIGENT EFFORT HAS BEEN MADE TO LOCATE AND SURVEY EXISTING BURIED PIPELINES AND UTILITIES. AN ON THE GROUND FIELD SURVEY WAS CONDUCTED TO LOCATE AND INDICATE BURIED PIPELINES AND UTILITIES. DUE TO THE INHERENT LIMITATIONS OF ELECTRONIC MAGNETIC LOCATING EQUIPMENT, MORRIS P. HEBERT, INC. IS NOT RESPONSIBLE FOR ANY PIPELINE AND UTILITIES NOT LOCATED DURING THE COURSE OF THE SURVEY.

REFERENCE DRAWINGS

DRAWING NO.	TITLE
0	UPDATE WITH PIPELINE REMOVAL
1	UPDATED OWNERSHIP NAMES

REVISIONS

MK.	DESCRIPTION	DATE	DRAWN	CHK	APPR
0	UPDATE WITH PIPELINE REMOVAL	1/18/18	DM	DES II	---
1	UPDATED OWNERSHIP NAMES	2/7/18	JG	DES II	---

APPROVALS

DRAWN BY	DATE
JG	08/24/17
CHECKED BY	DATE
DES II	08/25/17
ENG. APPROVAL	DATE
P. M. APPROVAL	DATE

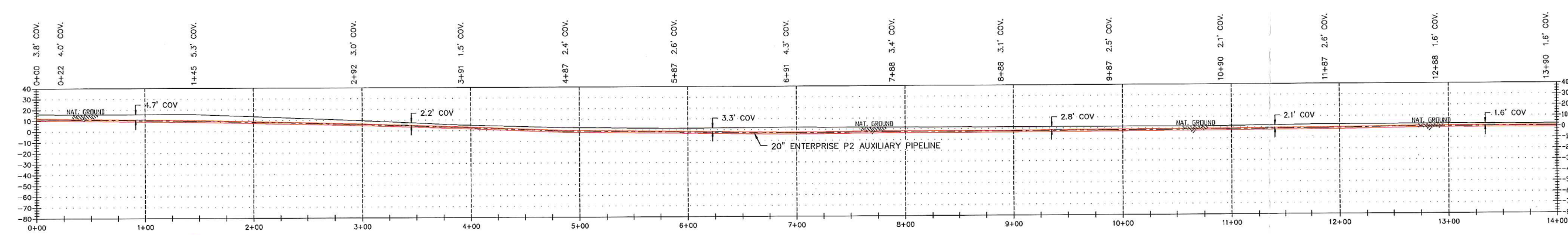
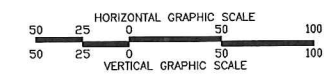
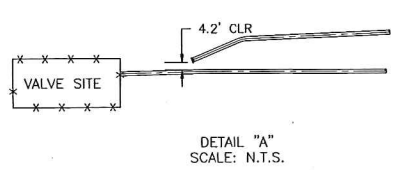
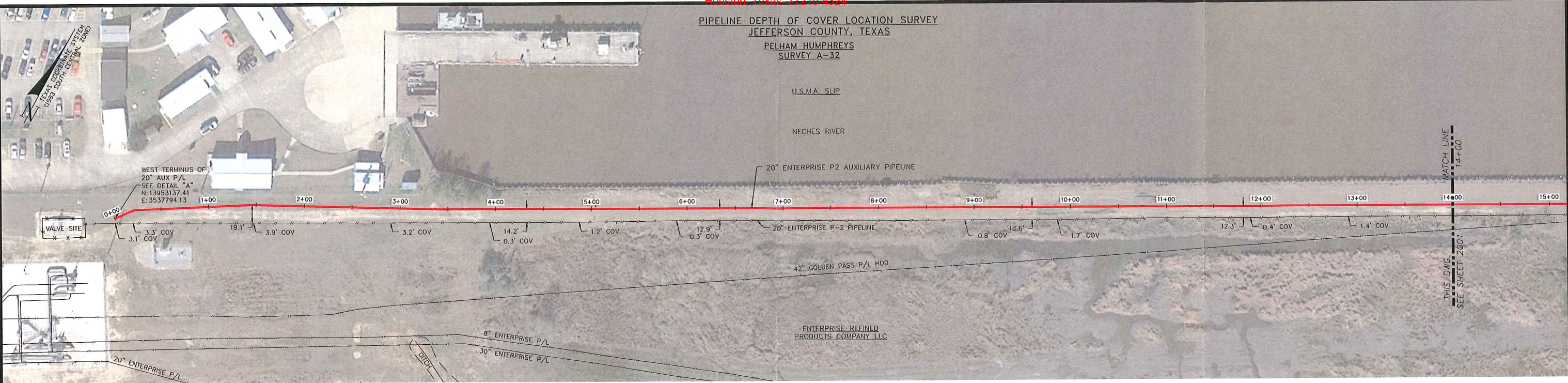
Morrison P. Hebert, Inc.
ENGINEERING & SURVEYING
1500 N. Loop West, Suite 100
Houston, Texas 77008
713.634.1111
www.mph-inc.com

Office Location:
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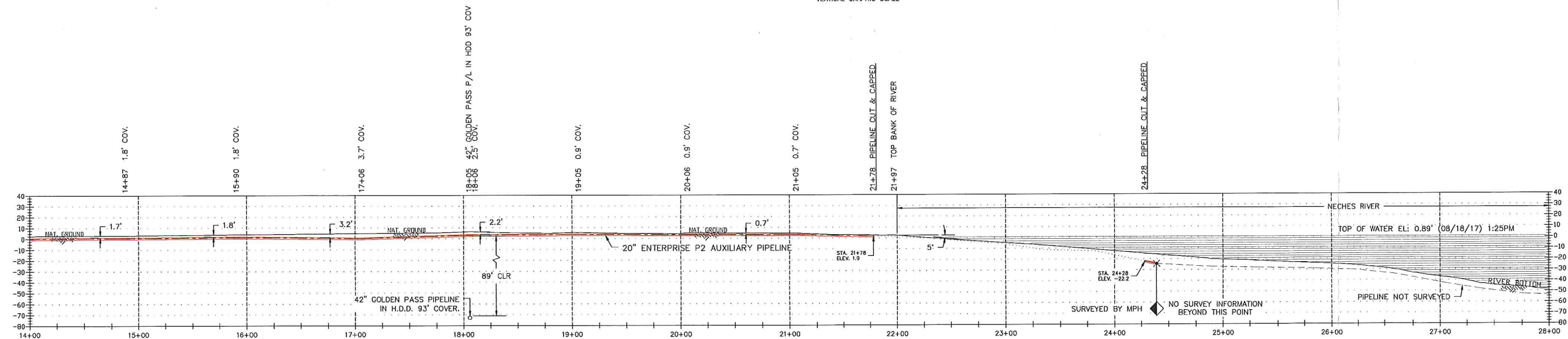
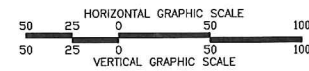
ENTERPRISE TE PRODUCTS
PIPELINE COMPANY LLC
ENTERPRISE 20" P2 AUXILIARY PIPELINE
DEPTH OF COVER LOCATION SURVEY OVERVIEW
STA 0+00 TO STA 39+98
JEFFERSON/ORANGE COUNTY, TEXAS

AFE NO.	SCALE	INDEX	SYSTEM	DRAWING NO.	REV.
	1"=200'			12733-1000B	1

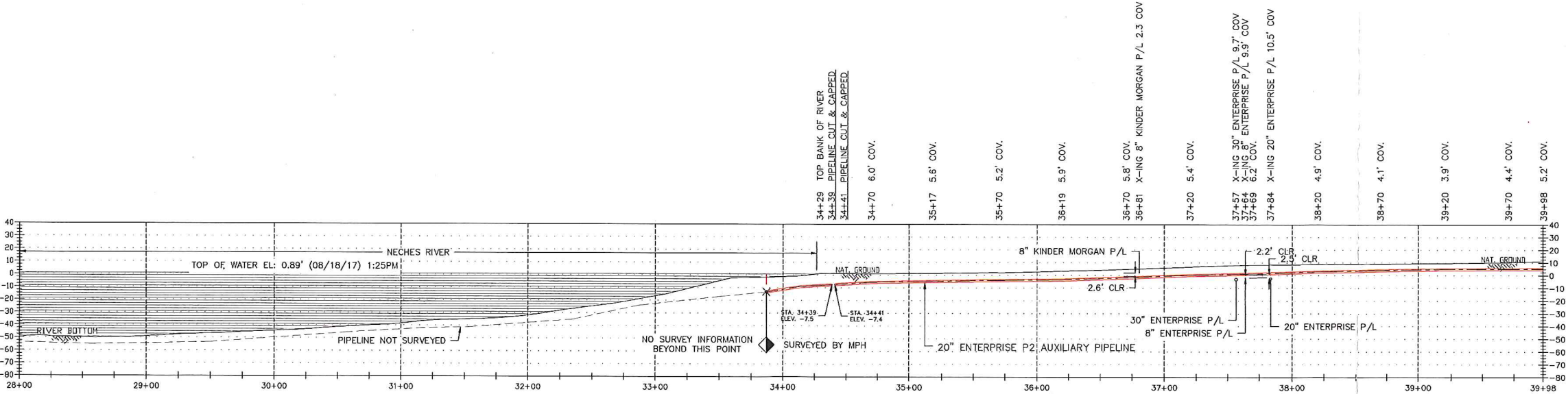
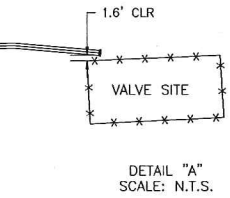
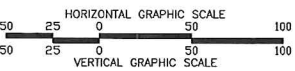
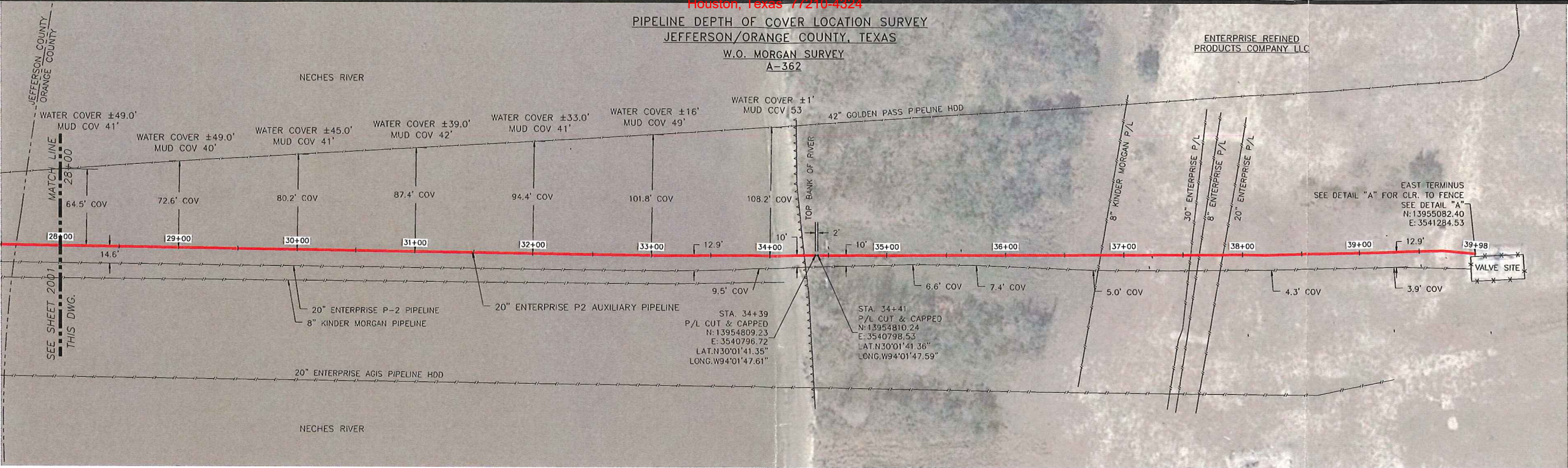
H:\Projects\12733 Enterprise Refined Prod Co. 20inch P2 Neches River\Drawings\DEPTH OF COVER DWG\12733-2000.dwg plotted on Feb 07, 2018 - 1:23pm ACO ver 20.1s (LMS Tech)



GENERAL NOTES: 1. COORDINATES SHOWN ARE REFERENCED TO THE TEXAS STATE PLANE COORDINATE SYSTEM, SOUTH CENTRAL ZONE, NORTH AMERICAN DATUM OF 1983. 2. REFERENCE DRAWINGS ARE FROM THE PROVIDED ENTERPRISE, ARMY CORPS OF ENGINEERS PERMIT NUMBER SWG-2013-00954. 3. ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM 1988 4. A DILIGENT EFFORT HAS BEEN MADE TO LOCATE AND SURVEY EXISTING BURIED PIPELINES AND UTILITIES. AN ON THE GROUND FIELD SURVEY WAS CONDUCTED TO LOCATE AND INDICATE BURIED PIPELINES AND UTILITIES. DUE TO THE INHERENT LIMITATIONS OF ELECTRONIC MAGNETIC LOCATING EQUIPMENT, MORRIS P. HEBERT, INC. IS NOT RESPONSIBLE FOR ANY PIPELINE AND UTILITIES NOT LOCATED DURING THE COURSE OF THE SURVEY.										REFERENCE DRAWINGS				REVISIONS				APPROVALS				 Morris P. Hebert, Inc. SURVEYING • ENGINEERING • ENVIRONMENTAL SERVICES P.O. BOX 718 • HOUSTON, TEXAS 77210-0718 • (281) 655-0711 www.mph-inc.com	ENTERPRISE TE PRODUCTS PIPELINE COMPANY ENTERPRISE 20" P2 AUXILIARY PIPELINE DEPTH OF COVER LOCATION SURVEY STA 0+00 TO STA 14+00 JEFFERSON COUNTY, TEXAS			
DRAWING NO.		TITLE		MK.	DESCRIPTION	DATE	DRAWN	CHK	APPR	DRAWN BY		DATE		SCALE		INDEX		SYSTEM		DRAWING NO.			REV.			
				0	UPDATE WITH PIPELINE REMOVAL	01/18/18	DM	DES II	---	JG		08/24/17		1"=50'						12733-2000			1			
				1	UPDATED OWNERSHIP INFORMATION	02/07/18	JG	DES II	---	CHECKED BY		DATE														
										DES II		08/25/17														
										ENG. APPROVAL		DATE														
										P. M. APPROVAL		DATE														
										CLIENT APPROVAL		DATE														



AFE NO.	SCALE	INDEX	SYSTEM	DRAWING NO.	REV.
	1"=50'			12733-2001	1



GENERAL NOTES:

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REFERENCE DRAWINGS

DRAWING NO.	TITLE
0	UPDATED WITH PIPELINE REMOVAL
1	UPDATED OWNERSHIP INFORMATION

REVISIONS

REV.	DESCRIPTION	DATE	DRAWN	CHK	APPR
0	UPDATED WITH PIPELINE REMOVAL	01/18/18	DM	DES II	--
1	UPDATED OWNERSHIP INFORMATION	02/07/18	JG	DES II	--

APPROVALS

DRAWN BY	DATE
JG	08/24/17
CHECKED BY	DATE
DES II	08/25/17
ENG. APPROVAL	DATE
P. M. APPROVAL	DATE

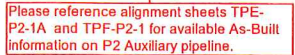
mp Morris P. Hebert, Inc.
SURVEYING • ENGINEERING • ENVIRONMENTAL SERVICES
705 W. 21st St., Suite 100, Houston, Texas 77019 • (281) 449-2100
www.morrishebert.com

ENTERPRISE TE PRODUCTS
PIPELINE COMPANY LLC

ENTERPRISE 20" P2 AUXILIARY PIPELINE
DEPTH OF COVER LOCATION SURVEY
STA 28+00 TO STA 39+98

CITY OF BEAUMONT, JEFFERSON/ORANGE COUNTY, TEXAS

CLIENT APPROVAL	DATE	SCALE	INDEX	SYSTEM	DRAWING NO.	REV.
		1"=50'			12733-2002	1



PIPE DATA					SURVEY DATA					GENERAL NOTES	LEGEND	REVISIONS																																																																										
<table><tr><th>Stationing</th><th>Depth of pipe In Inches</th><th>Latitude</th><th>Longitude</th><th>Elevation (NAVD88)</th></tr><tr><td>0+00</td><td>39</td><td>30.02645618</td><td>-94.03380097</td><td>5.561</td></tr><tr><td>0+46</td><td>28</td><td>30.02651477</td><td>-94.03367091</td><td>5.121</td></tr><tr><td>1+07</td><td>30</td><td>30.02659092</td><td>-94.03350124</td><td>4.291</td></tr><tr><td>1+83</td><td>22</td><td>30.02669193</td><td>-94.03329333</td><td>1.5</td></tr><tr><td>4+22</td><td>76</td><td>30.0269763</td><td>-94.03261012</td><td>-17.5</td></tr><tr><td>7+60</td><td>84</td><td>30.02727462</td><td>-94.03159956</td><td>-45.5</td></tr></table>					Stationing	Depth of pipe In Inches	Latitude	Longitude	Elevation (NAVD88)	0+00	39	30.02645618	-94.03380097	5.561	0+46	28	30.02651477	-94.03367091	5.121	1+07	30	30.02659092	-94.03350124	4.291	1+83	22	30.02669193	-94.03329333	1.5	4+22	76	30.0269763	-94.03261012	-17.5	7+60	84	30.02727462	-94.03159956	-45.5	<table><tr><th>Stationing</th><th>Depth of pipe In Inches</th><th>Latitude</th><th>Longitude</th><th>Elevation (NAVD88)</th></tr><tr><td>10+40</td><td>112</td><td>30.02763119</td><td>-94.03081405</td><td>-37.5</td></tr><tr><td>13+82</td><td>100</td><td>30.02816418</td><td>-94.02992429</td><td>1.5</td></tr><tr><td>14+83</td><td>88</td><td>30.02828632</td><td>-94.02964016</td><td>1.434</td></tr><tr><td>15+15</td><td>61</td><td>30.02831875</td><td>-94.02954508</td><td>1.866</td></tr><tr><td>15+64</td><td>50</td><td>30.02838128</td><td>-94.02940739</td><td>3.164</td></tr><tr><td>16+77</td><td>39</td><td>30.02850466</td><td>-94.0290808</td><td>7.245</td></tr></table>					Stationing	Depth of pipe In Inches	Latitude	Longitude	Elevation (NAVD88)	10+40	112	30.02763119	-94.03081405	-37.5	13+82	100	30.02816418	-94.02992429	1.5	14+83	88	30.02828632	-94.02964016	1.434	15+15	61	30.02831875	-94.02954508	1.866	15+64	50	30.02838128	-94.02940739	3.164	16+77	39	30.02850466	-94.0290808	7.245	RTK BASE LOCATION: WESTBANK B.M.#1: EAST BANK AND TOP OF VALVE WHEEL ON P-62 LINE EAST BANK. 30.0281228096,-94.0289950785 ELEV. 4.8' B.M.#2: BENCH TIE IN 4X4 P-62 ROW ON EAST BANK. 30.0288486365,-94.0282439999 ELEV. 23.5'	A. DATE OF INSPECTION: 06-22-2015 B. ALL STATIONING DEVELOPED ALONG ROUTE OF PIPELINE C. WIDTH OF WATERWAY: 1199' D. BOTTOM COMPOSITION AT WATERWAY: SAND AND ROCK E. MINIMUM PIPE DEPTH AND LOCATION WITHIN WATERWAY: 6.3' AT 4+22 F. TOP OF PIPE AS FOUND BY RADIODETECTOR RD8000 LOCATOR (TYP.), ACCURACY IS WITHIN 5X ON LINES BURIED AT DEPTHS DOWN TO 3' AND 10X AT GREATER DEPTHS. G. PLAN STATIONING DOES NOT ALIGN WITH PROFILE STATIONING. THIS ALLOWS AN ACCURATE REPRESENTATION OF THE BOTTOM PROFILE WITH RESPECT TO THE PIPELINE.	RTK BASE STATION SHORELINE (PLAN) HIGH BANK OR GRADE BREAK SLOPE WATER LINE (PROFILE) EARTH PIPELINE (PLAN) PIPELINE (PROFILE) TOP OF PIPE WATER LEVEL BENCHMARK	NO. DATE DESCRIPTION BY			
Stationing	Depth of pipe In Inches	Latitude	Longitude	Elevation (NAVD88)																																																																																		
0+00	39	30.02645618	-94.03380097	5.561																																																																																		
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