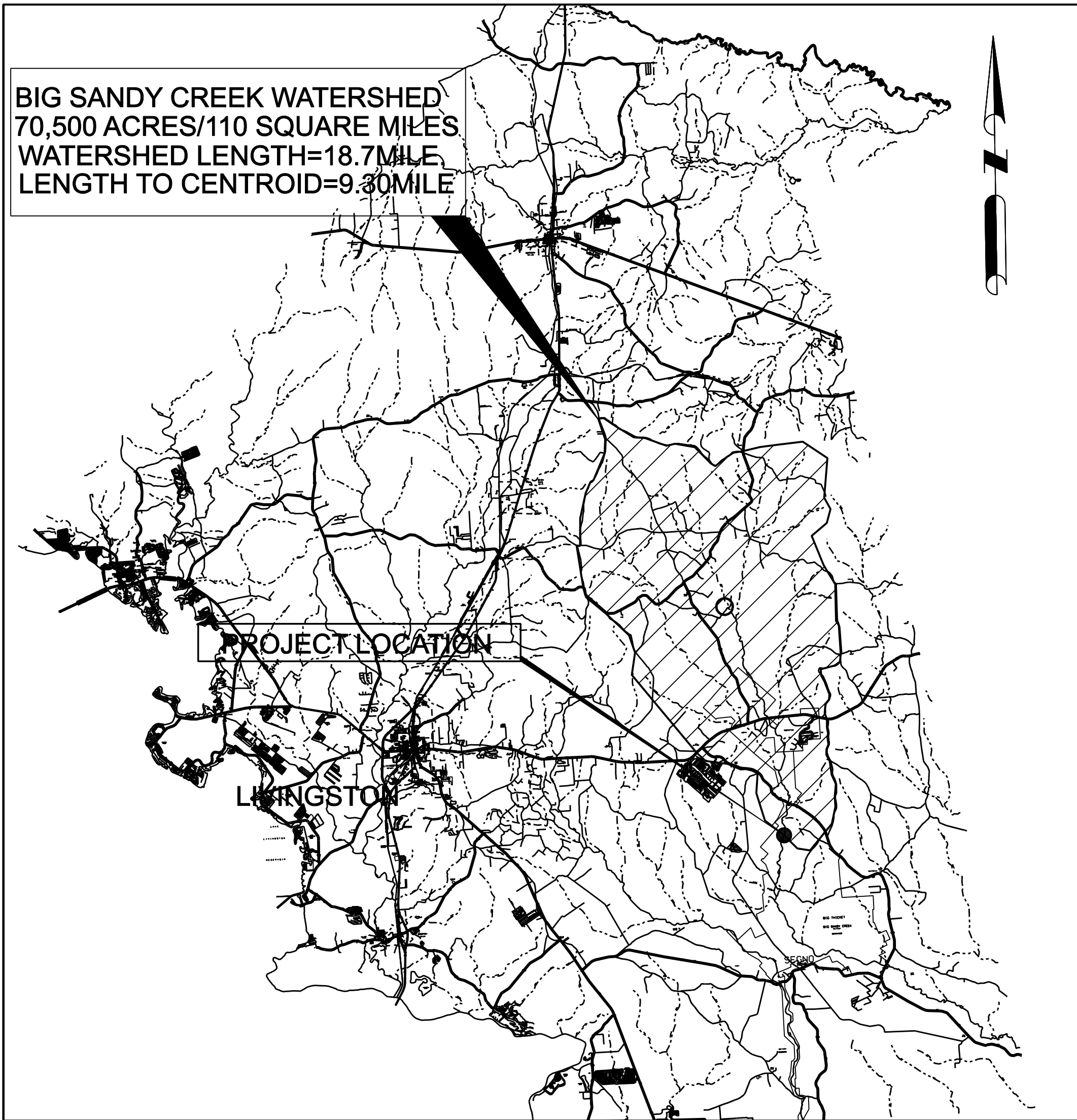
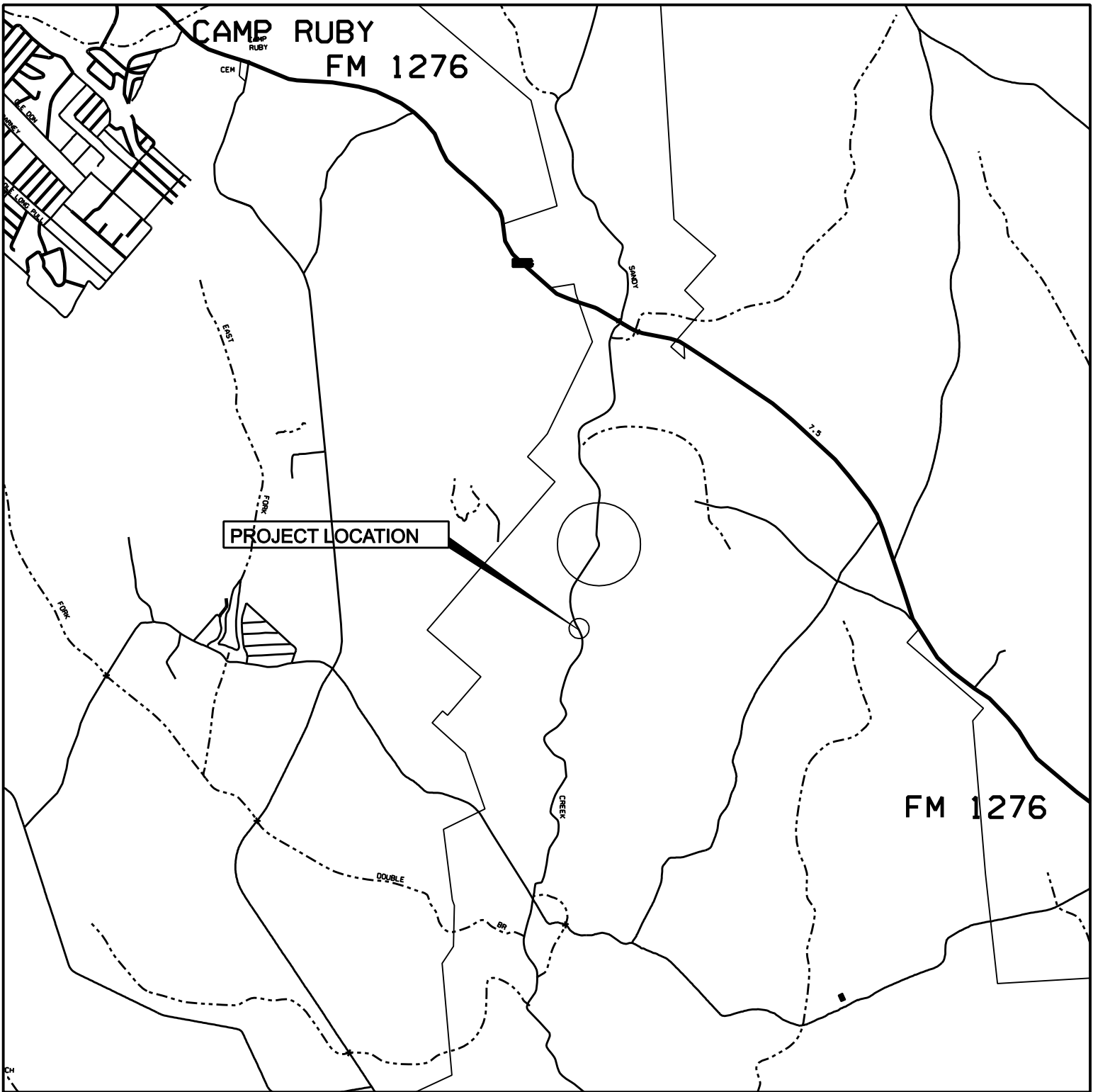


TENNESEE GAS PIPELINE CO.

CONSTRUCTION PLANS FOR  
LINE 100-1 BIG SANDY CREEK MITIGATION



VICINITY  
N.T.S.



LOCATION MAP  
N.T.S.

INDEX OF DRAWINGS

SHEET NO	DESCRIPTION
1	COVER
2	GENERAL NOTES
3	SURVEY
4	SITE PLAN
5	PLAN AND PROFILE
6	CROSS SECTIONS
7	CROSS SECTIONS
8	CROSS SECTIONS
9	CROSS SECTIONS
10	TEMPORARY DEWATERING PLAN
11	SWPPP
12	SWPPP DETAILS

EXHIBIT 1  
VICINITY AND AREA MAPS

THE PROPOSED ACTIVITIES HEREIN ARE DERIVED FROM  
A REPORT TITLED "TENNESEE GAS PIPELINE, LINE 100-1  
BIG SANDY CREEK MITIGATION" PREPARED BY 4SITE  
CIVIL ENGINEERING L.P.

NAME DATE  
POLK COUNTY FLOODPLAIN MANAGER INTERPOSES NO OBJECTION

4Site Civil Engineering,LP

Hydrology, Hydraulics, Engineering, Permitting

11419 Overbrook Ln. - Houston, Texas 77077

Phone: 281-759-8484 Fax: 281-759-8585

FIRM F-5076

FILE NO.:

DRAWING SCALE:

HORZ.:  
VERT.:

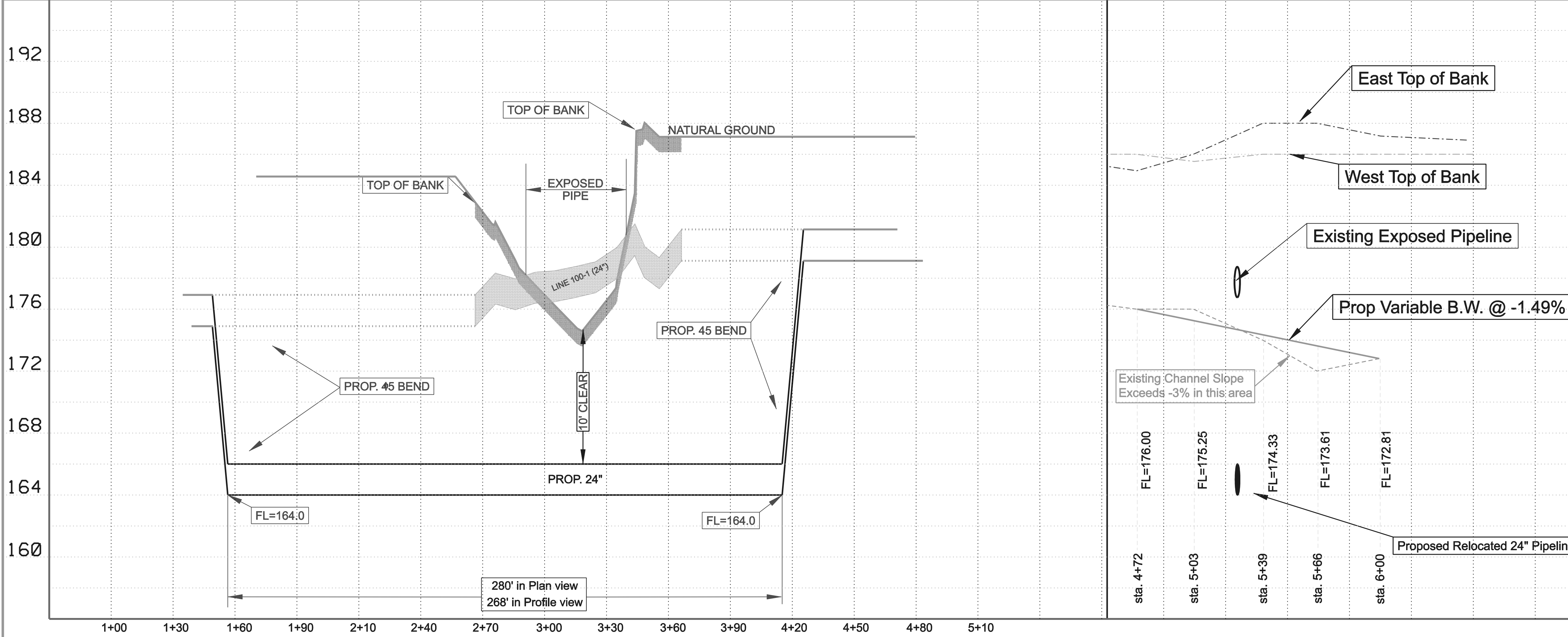
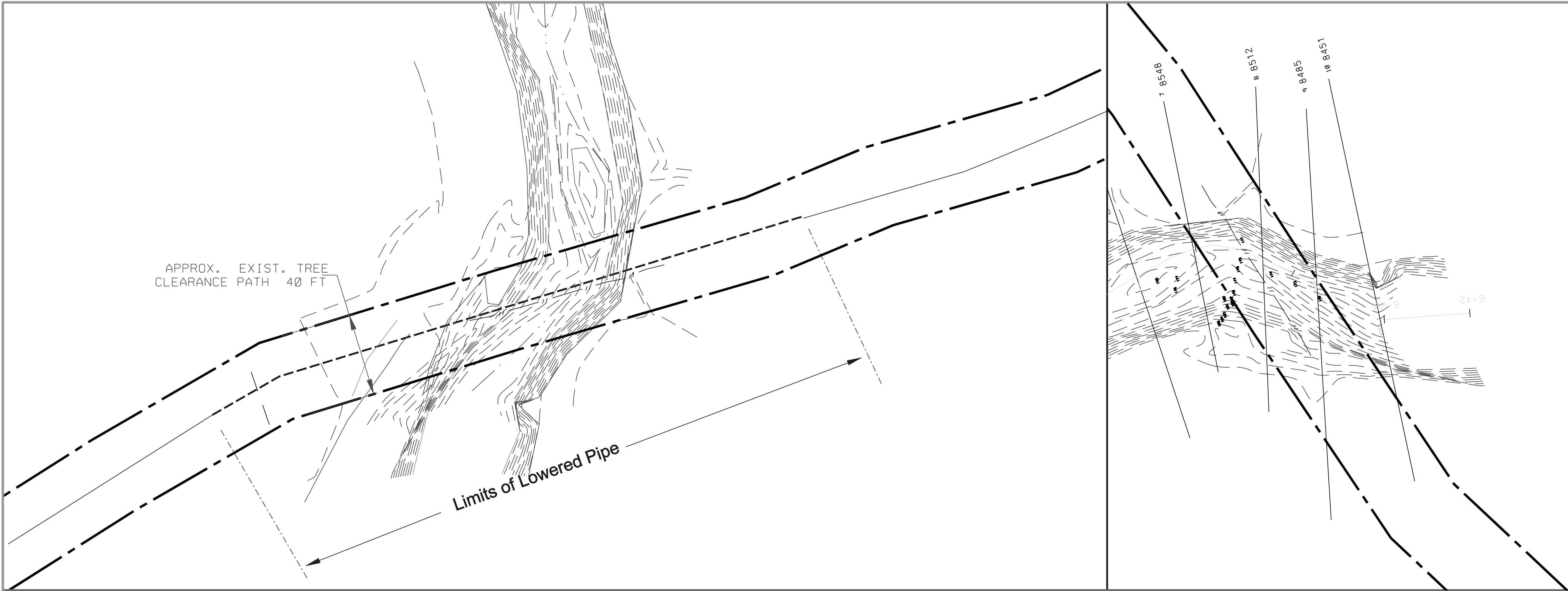
SHEET No.: OF.

STATE OF TEXAS

LAWRENCE S. LOPEZ

88565

PROFESSIONAL ENGINEER



- FLOOD PLAIN DATA:**
- THIS PROPERTY LIES IN ZONE "A" AS SHOWN ON FLOOD INSURANCE RATE MAP, PANEL NO. NO.4837300520 C DATED SEPTEMBER 3, 2010. ZONE "A" ARE SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD FOR WHICH NO BASE FLOOD ELEVATIONS HAVE BEEN DETERMINED.
- GENERAL NOTES:**
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PRIVATE UTILITY LINES SHOWN

CENTERPOINT ENERGY, ENTEN DATE

SBC VALID FOR ONE YEAR DATE  
APPROVED ONLY FOR UNDERGROUND CONDUIT FACILITIES

CENTERPOINT ENERGY DATE  
APPROVED ONLY FOR CROSSING UNDERGROUND DUCTLINES  
UNLESS NOTED, VALID AT TIME OF REVIEW ONLY

NOTICE:  
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R.O.W. OR EASEMENTS CALL LONE STAR NOTIFICATION  
CENTER, (713) 223-4567 OR 1-800-669-8344


REV. NO.	DESCRIPTION	APP'D	DATE

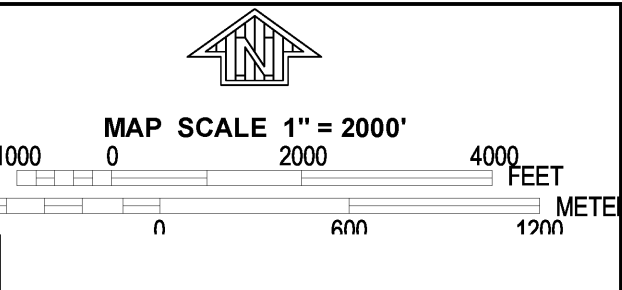
## EL PASO PIPELINE

### BIG SANDY CREEK MITIGATION POLK COUNTY, TEXAS

### EXHIBIT 2 PLAN AND PROFILE

**4Site Civil Engineering LP**  
Hydrology, Hydraulics, Engineering, Permitting  
11419 Overbrook Ln. - Houston, Texas 77077  
Phone: 281-750-8484 Fax: 281-750-8502  
FIRM F-5076

FILE NO.:	
DRAWING SCALE:	
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SHEET No.: . OF.	



NFIP

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0525C

FIRM

FLOOD INSURANCE RATE MAP

POLK COUNTY,  
TEXAS

AND INCORPORATED AREAS

PANEL 525 OF 750

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
ALABAMA-COUSHATTA	481494	0525	C
TRIBE OF TEXAS	480526	0525	C
POLK COUNTY			

Notice to User: The Map Number shown below should be used when placing map orders; the Community Number shown above should be used on insurance applications for the subject community.

U.S. DEPARTMENT OF  
HOMELAND SECURITY

MAP NUMBER

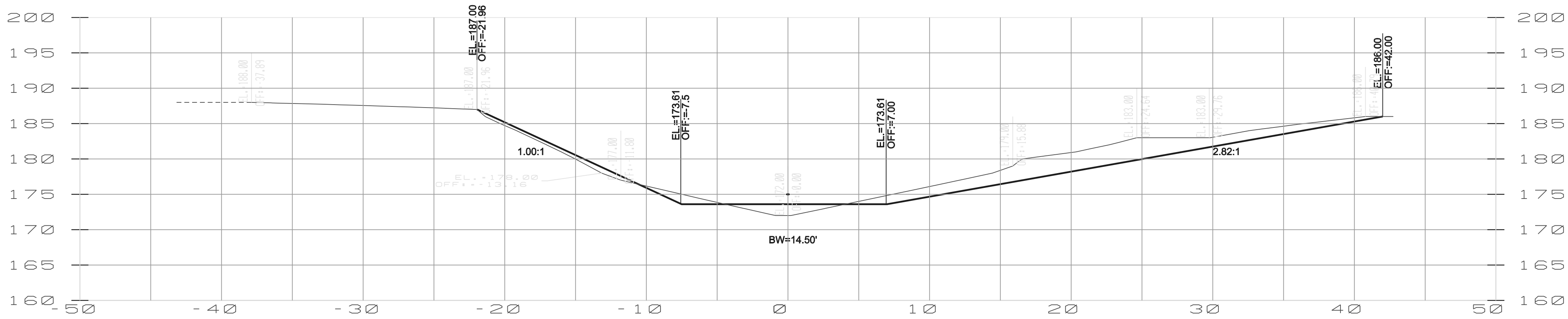
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EFFECTIVE DATE

SEPTEMBER 3, 2010

Federal Emergency Management Agency

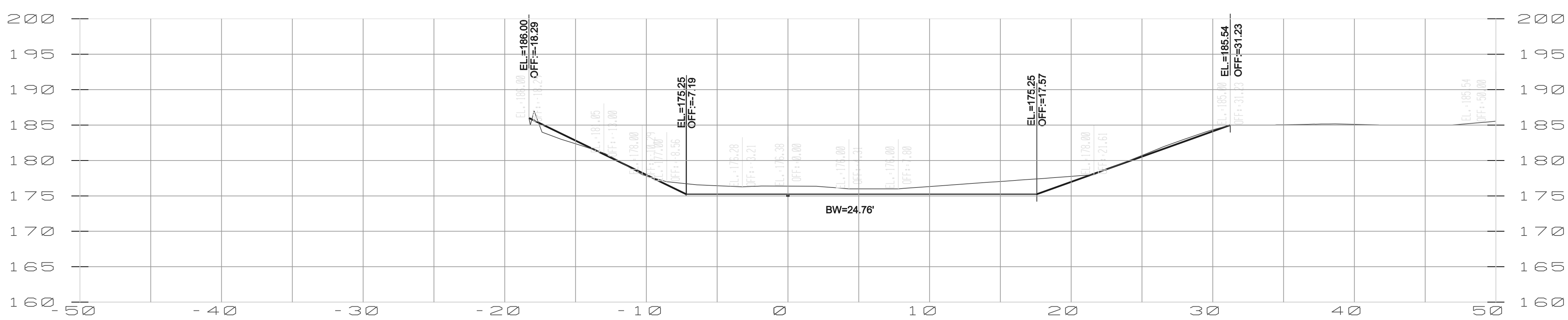
This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at [www.msc.fema.gov](http://www.msc.fema.gov)



STATION 5 + 66



STATION 5 + 39



STATION 5 + 03

- FLOOD PLAIN DATA:**  
THIS PROPERTY LIES IN ZONE "A" AS SHOWN ON FLOOD INSURANCE RATE MAP, PANEL NO. NO.483730028 C DATED SEPTEMBER 3, 2010. ZONE "A" ARE SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD FOR WHICH NO BASE FLOOD ELEVATIONS HAVE BEEN DETERMINED.
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CENTERPOINT ENERGY, ENTENX	DATE
SBC VALID FOR ONE YEAR	DATE
APPROVED ONLY FOR UNDERGROUND CONDUIT FACILITIES	
CENTERPOINT ENERGY	DATE
APPROVED ONLY FOR CROSSING UNDERGROUND DUCTLINES	
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**EL PASO PIPELINE**

**BIG SANDY CREEK MITIGATION**

**POLK COUNTY, TEXAS**

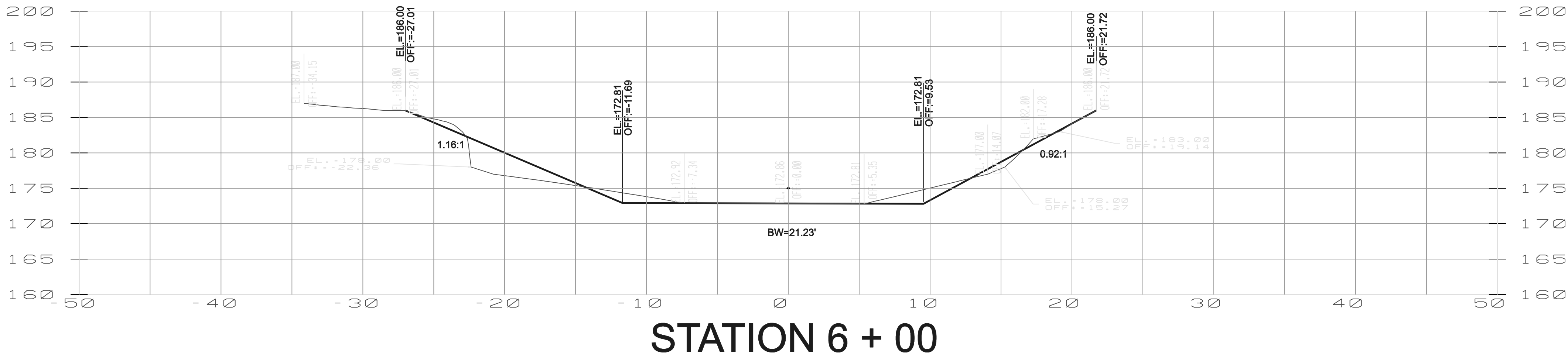
**EXHIBIT 4**

**4Site Civil Engineering.LP**  
Hydrology, Hydraulics, Engineering, Permitting  
11419 Overbrook Ln., Houston, Texas 77077  
Phone: 281-759-8684 Fax: 281-759-8585

**FIRM F-5076**

FILE NO. :  
DRAWING SCALE :  
HORZ. :  
VERT. :  
SHEET No. : . OF.

**LAWRENCE S. LOPEZ**  
88565  
PROFESSIONAL ENGINEER



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SBC VALID FOR ONE YEAR	DATE
APPROVED ONLY FOR UNDERGROUND CONDUIT FACILITIES	
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REV. NO.	DESCRIPTION	APP'D	DATE
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## EL PASO PIPELINE

### BIG SANDY CREEK MITIGATION POLK COUNTY, TEXAS

#### EXHIBIT 5



FIRM F-5076

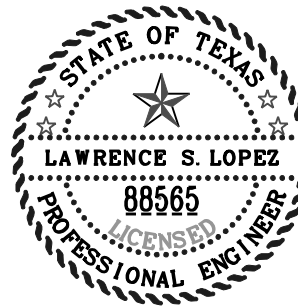
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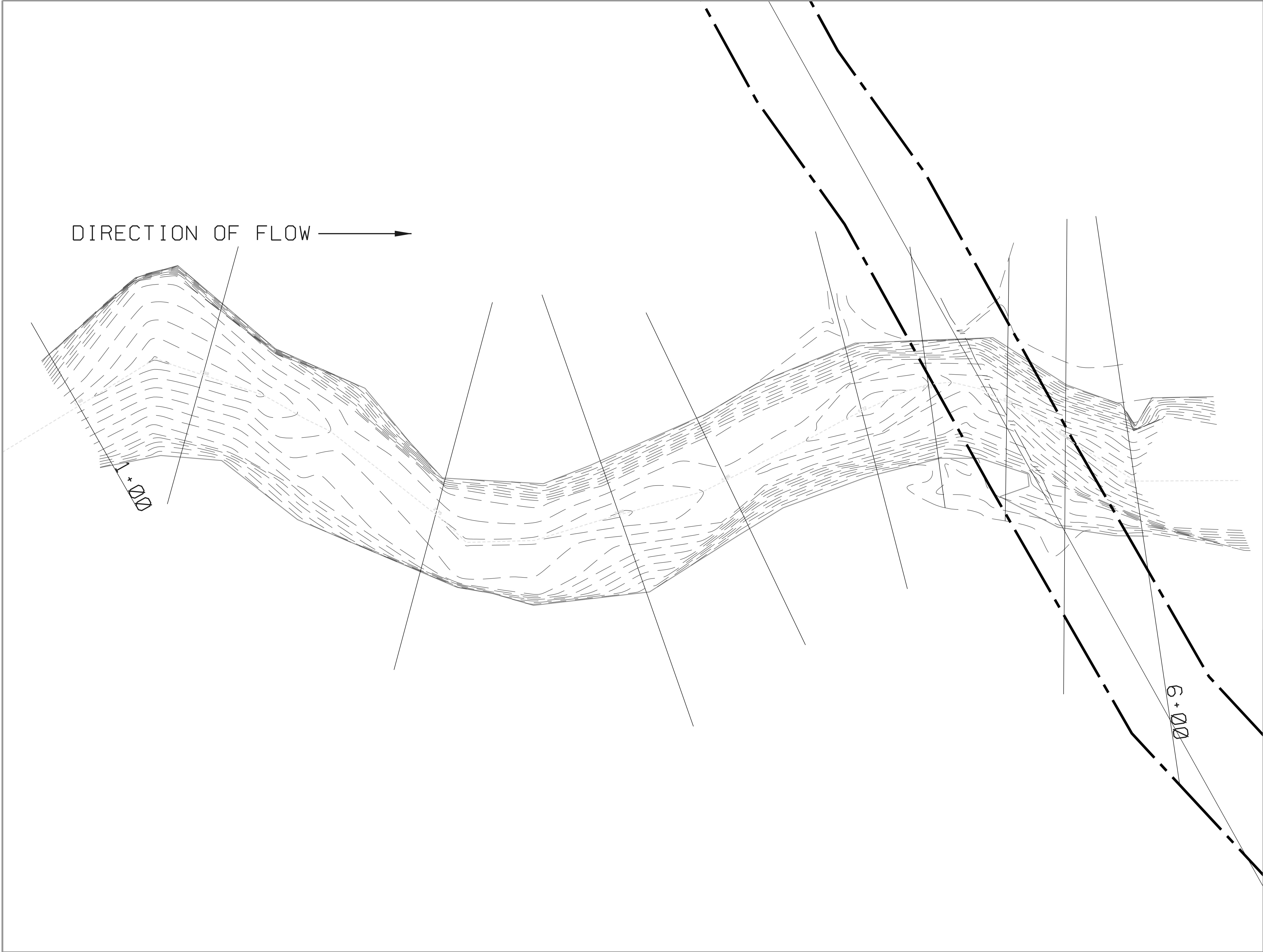
HORZ.:

VERT.:

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**FLOOD PLAIN DATA:**

THIS PROPERTY LIES IN ZONE "A" AS SHOWN ON FLOOD INSURANCE RATE MAP, PANEL NO. NO.48320255-0 DATED SEPTEMBER 3, 2010. ZONE "A" ARE SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD FOR WHICH NO BASE FLOOD ELEVATIONS HAVE BEEN DETERMINED.

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CENTERPOINT ENERGY, ENTEX	DATE
SBC VALID FOR ONE YEAR APPROVED ONLY FOR UNDERGROUND CONDUIT FACILITIES	DATE
CENTERPOINT ENERGY	DATE
APPROVED ONLY FOR CROSSING UNDERGROUND DUCT LINES UNLESS NOTED, VALID AT TIME OF REVIEW ONLY	

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REV. NO.	DESCRIPTION	APP'D	DATE

**EL PASO PIPELINE**

**BIG SANDY CREEK MITIGATION  
POLK COUNTY, TEXAS**

**EXHIBIT 6  
CROSS SECTION LAYOUT**

**4Site Civil Engineering,LP**

Hydrology, Hydraulics, Engineering, Permitting

11419 Overbrook Ln. ~ Houston, Texas 77077

Phone: 281-759-8484 Fax: 281-759-8555

FIRM F-5076

FILE NO.:

DRAWING SCALE:

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