

162

REVIEW BY FORT BEND COUNTY COMMISSIONERS COURT

On this 26 day of AUGUST, 2014, Commissioners Court came on to be heard and reviewed the accompanying notice of ENTERPRISE CRUDE PIPELINE, LLC

Job Location SEVERAL ROADS AND DRAINAGE DITCHES [SEE ATTACHEMENT]

Dated 08/12/14 BOND NO. SU1125414, Permit No. 84649 to make use of certain Fort Bend County property subject to, "A Revised Order Regulating the Laying, Construction, Maintenance, and Repair of Buried Cables, Conduits, and Pole Lines, In, Under, Across or Along Roads, Streets, Highways, and Drainage Ditches in Fort Bend County, Texas, Under the Jurisdiction of the Commissioners Court of Fort Bend County, Texas," as passed by the Commissioners Court of Fort Bend County, Texas, date the 3rd day of August, 1987, recorded in Volume _____ of the Minutes of the Commissioners Court of Fort Bend County, Texas, to the extent that such order is not inconsistent with Article 1436a, Vernon's Texas Civil Statutes. Upon Motion of Commissioner Meyers, seconded by Commissioner Patterson, duly put and carried, it is ORDERED, ADJUGED AND DECREED that said notice of said above purpose is hereby acknowledged by the Commissioners Court of Fort Bend County, Texas, and that said notice be placed on record according to the regulation order thereof.

Notes:

1. Evidence of review by the Commissioners Court must be kept on the job site and failure to do so constitutes grounds for job shutdown.
2. Written notices are required:
 - a. 48 hours in advance of construction start up, and
 - b. When construction is completed and ready for final inspection

Mail notices to: Permit Administrator
Fort Bend County Engineering
301 JACKSON STREET
RICHMOND, Texas 77469
281-633-7500

3. This permit expires one (1) year from date of permit if construction has not commenced.

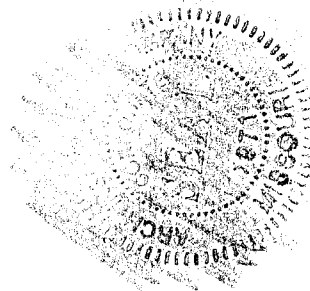
By [Signature]
County Engineer

By [Signature]
Drainage District Engineer/Manager

Presented to Commissioners Court and approved.

Recorded in Volume 8-26-14
Minutes of Commissioners Court.

Clerk of Commissioners Court
By [Signature]
Deputy



THIS POWER OF ATTORNEY IS NOT VALID UNLESS IT IS PRINTED ON BLUE BACKGROUND.

This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated. Not valid for Mortgage, Note, Loan, Letter of Credit, Bank Deposit, Currency Rate, Interest Rate or Residential Value Guarantees.

POWER OF ATTORNEY

Know All Persons By These Presents:

That the Arch Insurance Company, a corporation organized and existing under the laws of the State of Missouri, having its principal administrative office in Jersey City, New Jersey (hereinafter referred to as the "Company") does hereby appoint:

Carol E. Hock, Robert M. Overbey, Jr. and Suzonne D. Lawrence of Houston, TX (EACH)

its true and lawful Attorney(s) in-Fact, to make, execute, seal, and deliver from the date of issuance of this power for and on its behalf as surety, and as its act and deed:

Any and all bonds, undertakings, recognizances and other surety obligations, in the penal sum not exceeding Ninety Million Dollars (\$90,000,000.00).

This authority does not permit the same obligation to be split into two or more bonds in order to bring each such bond within the dollar limit of authority as set forth herein.

The execution of such bonds, undertakings, recognizances and other surety obligations in pursuance of these presents shall be as binding upon the said Company as fully and amply to all intents and purposes, as if the same had been duly executed and acknowledged by its regularly elected officers at its principal administrative office in Jersey City, New Jersey.

This Power of Attorney is executed by authority of resolutions adopted by unanimous consent of the Board of Directors of the Company on September 15, 2011, true and accurate copies of which are hereinafter set forth and are hereby certified to by the undersigned Secretary as being in full force and effect:

"VOTED, That the Chairman of the Board, the President, or the Executive Vice President, or any Senior Vice President, of the Surety Business Division, or their appointees designated in writing and filed with the Secretary, or the Secretary shall have the power and authority to appoint agents and attorneys-in-fact, and to authorize them subject to the limitations set forth in their respective powers of attorney, to execute on behalf of the Company, and attach the seal of the Company thereto, bonds, undertakings, recognizances and other surety obligations obligatory in the nature thereof, and any such officers of the Company may appoint agents for acceptance of process."


This Power of Attorney is signed, sealed and certified by facsimile under and by authority of the following resolution adopted by the unanimous consent of the Board of Directors of the Company on September 15, 2011:

VOTED, That the signature of the Chairman of the Board, the President, or the Executive Vice President, or any Senior Vice President, of the Surety Business Division, or their appointees designated in writing and filed with the Secretary, and the signature of the Secretary, the seal of the Company, and certifications by the Secretary, may be affixed by facsimile on any power of attorney or bond executed pursuant to the resolution adopted by the Board of Directors on September 15, 2011, and any such power so executed, sealed and certified with respect to any bond or undertaking to which it is attached, shall continue to be valid and binding upon the Company.

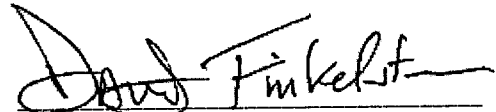
In Testimony Whereof, the Company has caused this instrument to be signed and its corporate seal to be affixed by their authorized officers, this 17th day of November, 2011.

Attested and Certified

Arch Insurance Company


Martin J. Nilsen, Secretary

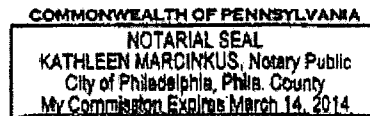


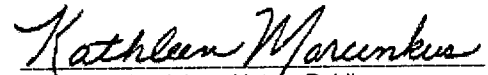

David M. Finkelstein, Executive Vice President

STATE OF PENNSYLVANIA SS

COUNTY OF PHILADELPHIA SS

I, Kathleen Marcinkus, a Notary Public, do hereby certify that Martin J. Nilsen and David M. Finkelstein personally known to me to be the same persons whose names are respectively as Secretary and Executive Vice President of the Arch Insurance Company, a Corporation organized and existing under the laws of the State of Missouri, subscribed to the foregoing instrument, appeared before me this day in person and severally acknowledged that they being thereunto duly authorized signed, sealed with the corporate seal and delivered the said instrument as the free and voluntary act of said corporation and as their own free and voluntary acts for the uses and purposes therein set forth.

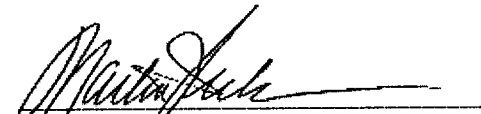



Kathleen Marcinkus, Notary Public
My commission expires 03/14/2014

CERTIFICATION

I, Martin J. Nilsen, Secretary of the Arch Insurance Company, do hereby certify that the attached Power of Attorney dated November 17, 2011 on behalf of the person(s) as listed above is a true and correct copy and that the same has been in full force and effect since the date thereof and is in full force and effect on the date of this certificate; and I do further certify that the said David M. Finkelstein, who executed the Power of Attorney as Executive Vice President, was on the date of execution of the attached Power of Attorney the duly elected Executive Vice President of the Arch Insurance Company.

IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed the corporate seal of the Arch Insurance Company on this 17th day of July, 2014.

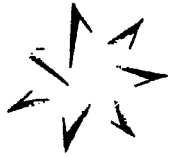

Martin J. Nilsen, Secretary

This Power of Attorney limits the acts of those named therein to the bonds and undertakings specifically named therein and they have no authority to bind the Company except in the manner and to the extent herein stated.

PLEASE SEND ALL CLAIM INQUIRIES RELATING TO THIS BOND TO THE FOLLOWING ADDRESS:

Arch Insurance – Surety Division
3 Parkway, Suite 1500
Philadelphia, PA 19102





ARCH Insurance Company

ARCH Surety

TEXAS CONSUMER NOTICE

IMPORTANT NOTICE

To obtain information or make a complaint:

You may contact your agent at the telephone number provided on the Declarations page of your policy.

You may contact William J. Misero, Surety, Arch Insurance Company, at the toll-free telephone number or address provided below:

**Arch Insurance Company
Attention: William J. Misero
3 Parkway Suite 1500
Philadelphia PA 19102
1-866-472-8845**

You may contact the Texas Department of Insurance to obtain information on companies' coverages, rights or complaints at:

1-800-252-3439

You may write the Texas Department of Insurance:

**P.O. Box 149091
Austin, TX. 78714-9091
FAX# (512) 475-1771**

PREMIUM OR CLAIM DISPUTES:

Should you have a dispute concerning your premium or about a claim you should contact the agent or the company first. If the dispute is not resolved, you may contact the Texas Department of Insurance.

ATTACH THIS NOTICE TO YOUR POLICY:

This notice is for information only and does not become a part or condition of the attached document.

COUNTY OF FORT BEND

Engineering Department

301 JACKSON STREET
RICHMOND, Texas 77469

Johnny Ortega
Permit Administrator

1124 Blume Road
Phone: (281) 633-7500

PERMIT APPLICATION REVIEW FORM FOR CABLE, CONDUIT, AND POLE LINE ACTIVITY IN FORT BEND COUNTY

PERMIT NO. 084649

The following "Notice of Proposed Cable, Conduit, and/or Pole Line activity in Fort Bend County" and accompanying attachments have been reviewed and the notice conforms to appropriate regulations set by Commissioner's Court of Fort Bend County, Texas.

- X (1) Complete Application Form.
- X a. Name of road, street, and/or drainage ditch affected.
- X b. Vicinity map showing course of direction.
- X c. Plans and specifications.

- X (2) Bond:
- District Attorney, approval when applicable.
- Perpetual bond currently posted.
- No.
- Amount
- X Performance bond submitted.
- No. SU1125414
- Amount \$91,000.00
- Cashier's Check.
- No.
- Amount

- (3) Verbal permission given for emergencies, to start construction before approved in Commissioner's Court.

 Precinct Engineer Acknowledgment

 Date

 Precinct Commissioner Acknowledgment

 Date

- (4) Adam Wright
- Drainage District Approval when applicable

We have reviewed this project and agree it meets minimum requirements.

Johnny Ortega
Johnny Ortega CFM/ Permit Administrator
(REVISED 5/30/08)

07/30/2014
Date

**NOTICE OF PROPOSED CABLE, CONDUIT AND/OR POLE LINE ACTIVITY
IN, UNDER, ACROSS OR ALONG ROADS, STREETS, HIGHWAYS AND DRAINAGE DITCHES
IN FORT BEND COUNTY**

APPLICANT'S JOB NO. _____

PERMIT No. 84649 PCT. No. 13

BOND No. SW1125414

Formal notice is hereby given that Enterprise Crude Pipeline L.L.C.
proposes to lay, construct, maintain and/or repair cable, conduit and/or pole line, in, under,
across, or along roads, streets, highways and drainage ditches in Fort Bend County, as follows:

In, Under, or Across Roads and/or Drainage Ditches

Road or Ditch Name	Distance & Direction From Nearest Intersection	Length of Crossing	Type of Construction			
			Bored	Jacked	Driven	Cased
	: See Attached list	:	:	:	:	:
	:	:	:	:	:	:
	:	:	:	:	:	:

Along Roads and/or Drainage Ditches

Road or Ditch Name	Distance & Direction From Nearest Intersection	To	Distance
	:	:	:
	:	:	:
	:	:	:

General Description

To construct a 36" diameter steel pipeline transporting crude oil.

The Location and description of the proposed installation and appurtenances is more fully shown on the attached detail drawings. The laying, construction, maintenance and/or repair of the proposed installation shall be subject to "A Revised Order Regulating the Laying, Construction, Maintenance and/or Repair of Cables, Conduits, and/or Pole Lines, In, Under, Across, or Along Roads, Streets, Highways and Drainage Ditches in Fort Bend County, Texas, Under the Jurisdiction of the Commissioners Court of Fort Bend County, Texas," as passed by Commissioners Court of Fort Bend County, Texas, dated the 3rd. day of August, 1987, recorded in Volume 639 of the Minutes of the Commissioners Court of Fort Bend County, Texas.

Written notices are required: 1) 48 hours in advance of start of construction and
2) when construction is complete and ready for final inspection.

Mail to: Permit Administrator/Fort Bend County Engineering
P.O. Box 1449, Rosenberg, TX 77471.

Violation of requirements shall constitute grounds for job shut down.

COMPANY NAME: Enterprise Crude Pipeline L.L.C.

AGENT and/or OWNER


(Signature)

NAME & TITLE Tim Dyk/ Manager Land

(Please Print)

DATE July 8, 2014

ADDRESS 1100 Louisiana Suite 1000

(Street/P.O. Box)

Houston TX 77002

City State Zip

TELEPHONE NO: 817-793-3860

(accessible 24 hrs/day, 7 days/week)

Does project
comply with Fort
Bend County
Outdoor Lighting
Ordinance?

Yes ()

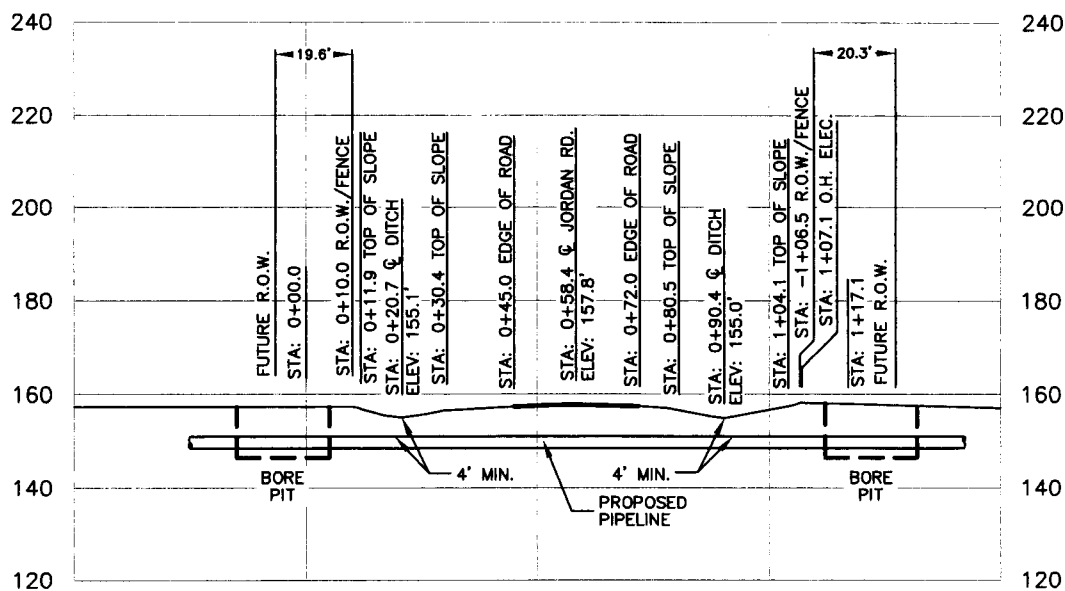
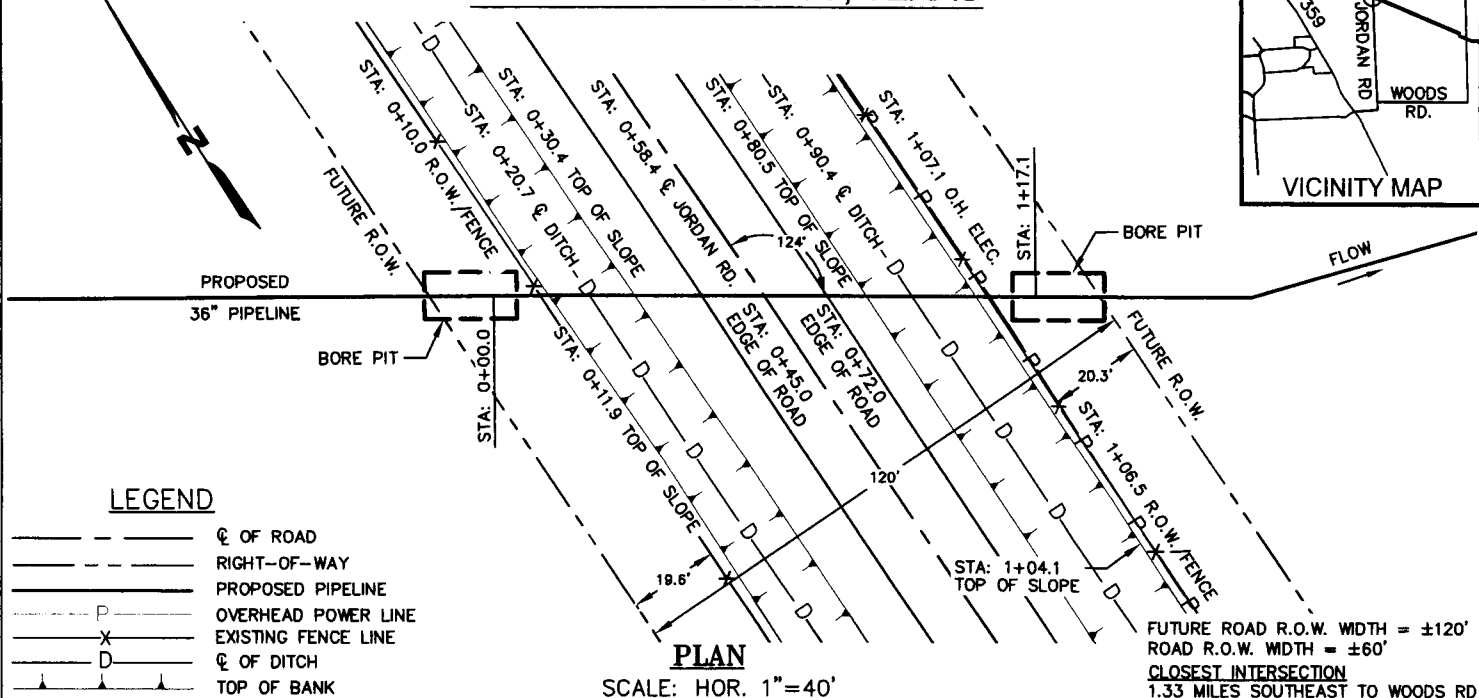
No ()

**Rancho Pipeline Expansion Project
Enterprise Crude Pipeline L.L.C.**

Fort Bend County Texas

Tract #	R.O.W. Widths	Road Crossing	Temporary Driveway Requirements	
TX-FB-0002.00010		Jordan Rd.	East side to be matted	West side to be matted
TX-FB-0049.00010		McKinnon Rd.	North side to be matted	South side to be matted
TX-FB-0053.00010		Winner Foster Rd. ✓	East side to be matted	West side to be matted
TX-FB-0054.00010		Stratman Rd.	East side to be matted	West side to be matted
TX-FB-0105.00010		Ricefield Rd.	East side to be matted	West side to be matted
TX-FB-0110.30010		Berdette Rd. ✓	North side to be matted	South side to be matted
TX-FB-0118.30010		Rabbs Prairie Rd.	North side to be matted	South side to be matted
TX-FB-0125.20010		Rabbs Prairie Rd.	North side to be matted	South side to be matted

A vicinity map showing the intersection of F.M. 359, Jordan Rd., Road Crossing, and Woods Rd. The map is a simple line drawing with labels for each road and a circle indicating the intersection point.



SCALE: HOR. 1"=40'
SCALE: VER. 1"=40'

1. HORIZONTAL DATUM: TEXAS COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NAD83 (2007). ALL DISTANCES ARE REPRESENTED IN GRID VALUES, MEASURED IN U.S. SURVEY FEET, AND ARE BASED ON SAID HORIZONTAL DATUM.
2. EXISTING UTILITIES ARE SHOWN IN APPROXIMATE LOCATION GENERATED FROM PREVIOUS MAPS AND SURVEY. CONTRACTOR SHALL VERIFY EXACT LOCATION AND ELEVATION OF ALL EXISTING UTILITIES IN THE AREA OF WORK PRIOR TO CONSTRUCTION AND CALL TEXAS ONE CALL SYSTEM AT 1-800-344-8377 AND ALL OTHER UTILITY COMPANIES AT LEAST 2 WORKING DAYS (48 HOURS) PRIOR TO CONSTRUCTION.
3. THIS CROSSING IS DESIGNED AND WILL BE CONSTRUCTED IN ACCORDANCE WITH TITLE 49, CODE OF FEDERAL REGULATIONS, PART 195.
4. LINE WILL BE INSTALLED BY BORE METHOD ONLY UNLESS OTHERWISE APPROVED BY THE COUNTY ENGINEER.
5. CONTRACTORS: IT IS YOUR RESPONSIBILITY TO CONTACT THE COUNTY ENGINEER 48 HOURS PRIOR TO START OF CONSTRUCTION.

1. PRODUCT: CRUDE OIL
2. CARRIER PIPE: 36.000" O.D. X 0.741" MIN W.T.,
API 5L X-70, PSL2 PIPE W/ 14-16 MILS FBE
& 30-40 MILS ARO COATING.
3. SEAM JOINT FACTOR=1.0
4. MINIMUM TEST PRESSURE: 1,800 PSIG
5. MAXIMUM OPERATING PRESSURE: 1,440 PSIG

RANCHO PIPELINE EXPANSION A11140	
JOB NUMBER:	34037
DATE:	4/21/2014
SCALE:	1"=40'
SURVEYOR:	D. KINSAUL
TECHNICIAN:	D. HENDERSON
DRAWING:	TX-FB-0002.00010-JORDAN RD.DWG
TRACT ID:	TX-FB-0002.00010



ENTERPRISE CRUDE
PIPELINE LLC



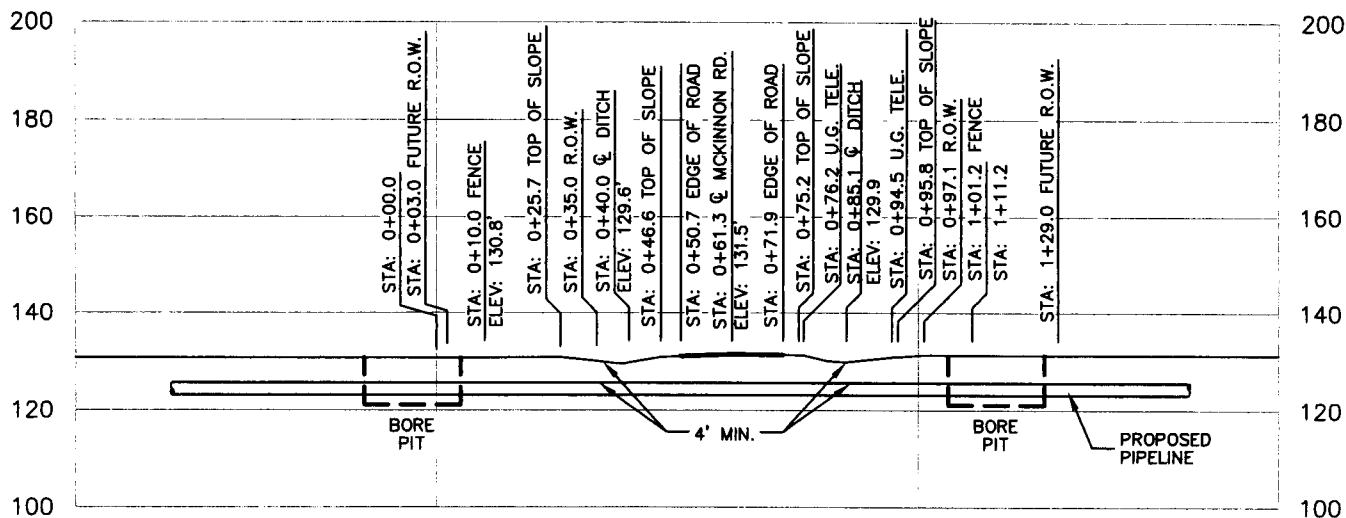
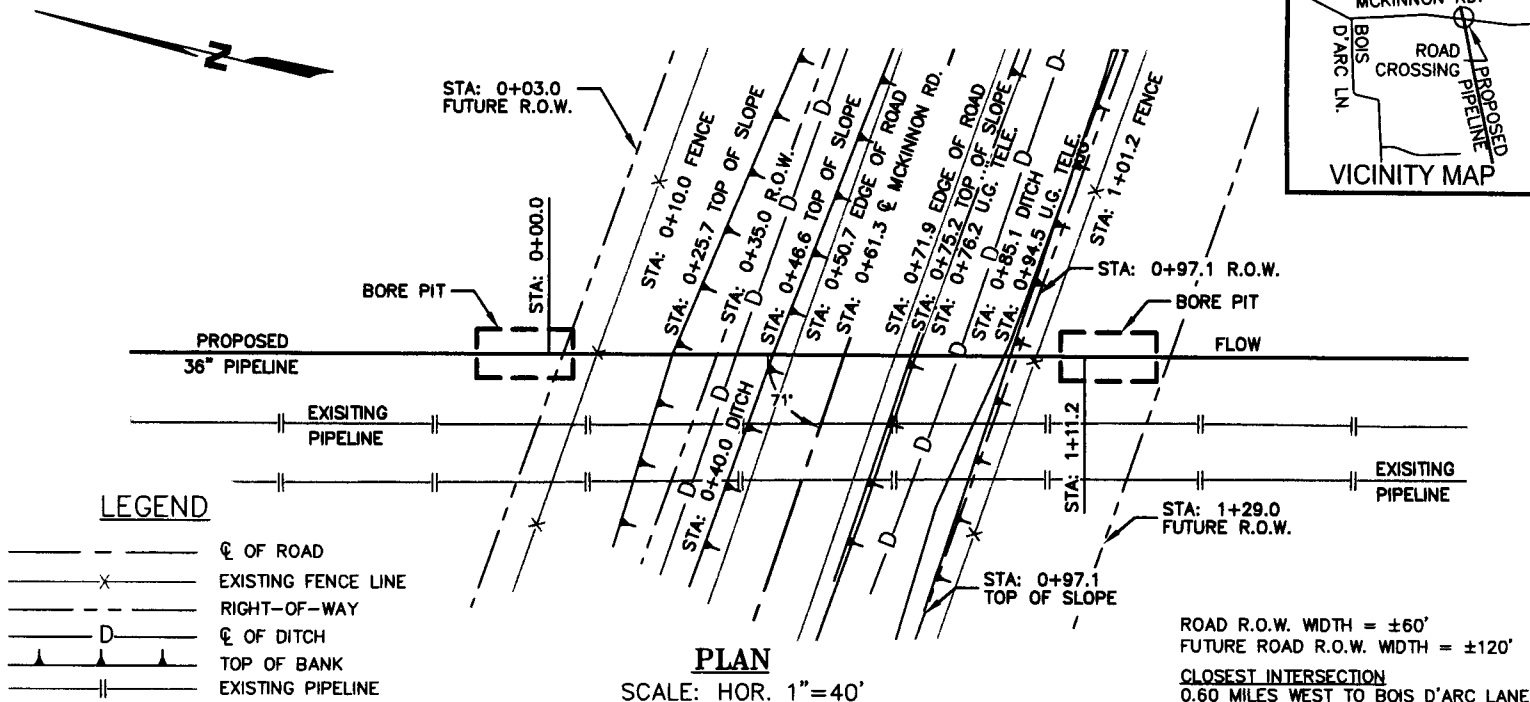
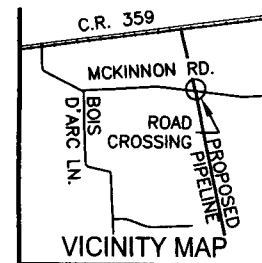
TEXAS FIRM REGISTRATION NO. 10064300

4801 SOUTHWEST PARKWAY
BUILDING TWO, SUITE 100
AUSTIN, TEXAS 78735
OFC: 512.447.0575
FAX: 512.326.3029
EMAIL: INFO@SAM.BIZ

ENTERPRISE CRUDE
PIPELINE LLC
PROPOSED CROSSING DETAIL
JORDAN ROAD
RANCHO PIPELINE EXPANSION

DWG. NO.
TX-FB-0002.00010

FORT BEND COUNTY, TEXAS



NOTES:

1. HORIZONTAL DATUM: TEXAS COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NAD83 (2007). ALL DISTANCES ARE REPRESENTED IN GRID VALUES, MEASURED IN U.S. SURVEY FEET, AND ARE BASED ON SAID HORIZONTAL DATUM.
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3. THIS CROSSING IS DESIGNED AND WILL BE CONSTRUCTED IN ACCORDANCE WITH TITLE 49, CODE OF FEDERAL REGULATIONS, PART 195.
4. LINE WILL BE INSTALLED BY BORE METHOD ONLY UNLESS OTHERWISE APPROVED BY THE COUNTY ENGINEER.
5. CONTRACTORS: IT IS YOUR RESPONSIBILITY TO CONTACT THE COUNTY ENGINEER 48 HOURS PRIOR TO START OF CONSTRUCTION.

PIPE DATA

1. PRODUCT: CRUDE OIL
2. CARRIER PIPE: 36.000" O.D. X 0.741" MIN W.T., API 5L X-70, PSL2 PIPE W/ 14-16 MILS FBE & 30-40 MILS ARO COATING.
3. SEAM JOINT FACTOR=1.0
4. MINIMUM TEST PRESSURE: 1,800 PSIG
5. MAXIMUM OPERATING PRESSURE: 1,440 PSIG

RANCHO PIPELINE EXPANSION A11140
JOB NUMBER: 34037
DATE: 4/18/2014
SCALE: 1"=40'
SURVEYOR: D. KINSAUL
TECHNICIAN: D. HENDERSON
DRAWING: TX-FB-0049.00010-MCKINNON RD.DWG
TRACT ID: TX-FB-0049.00010

**ENTERPRISE CRUDE
PIPELINE LLC**



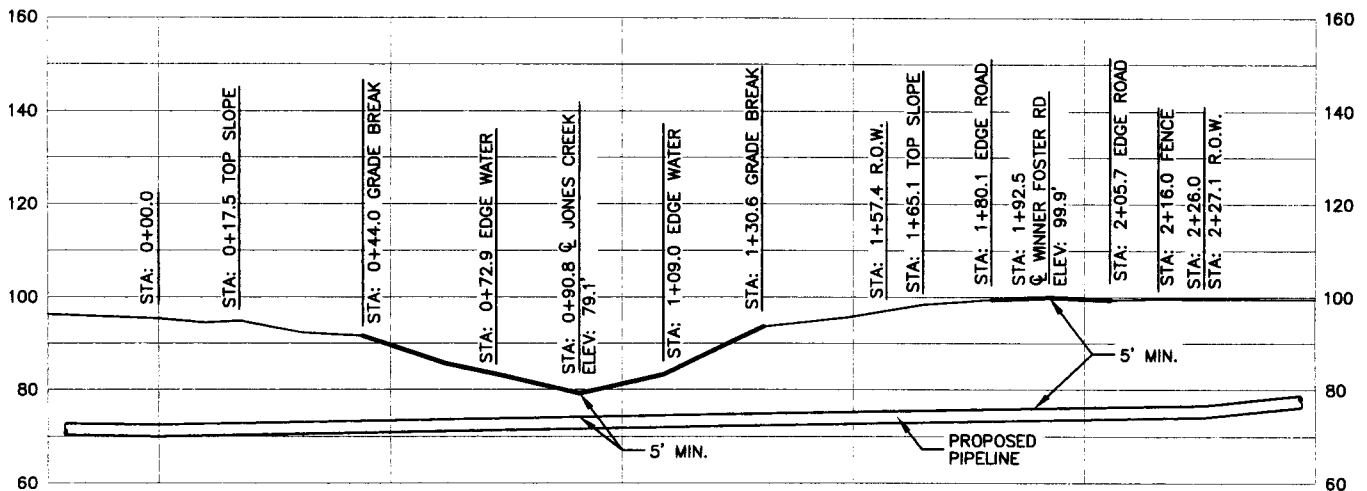
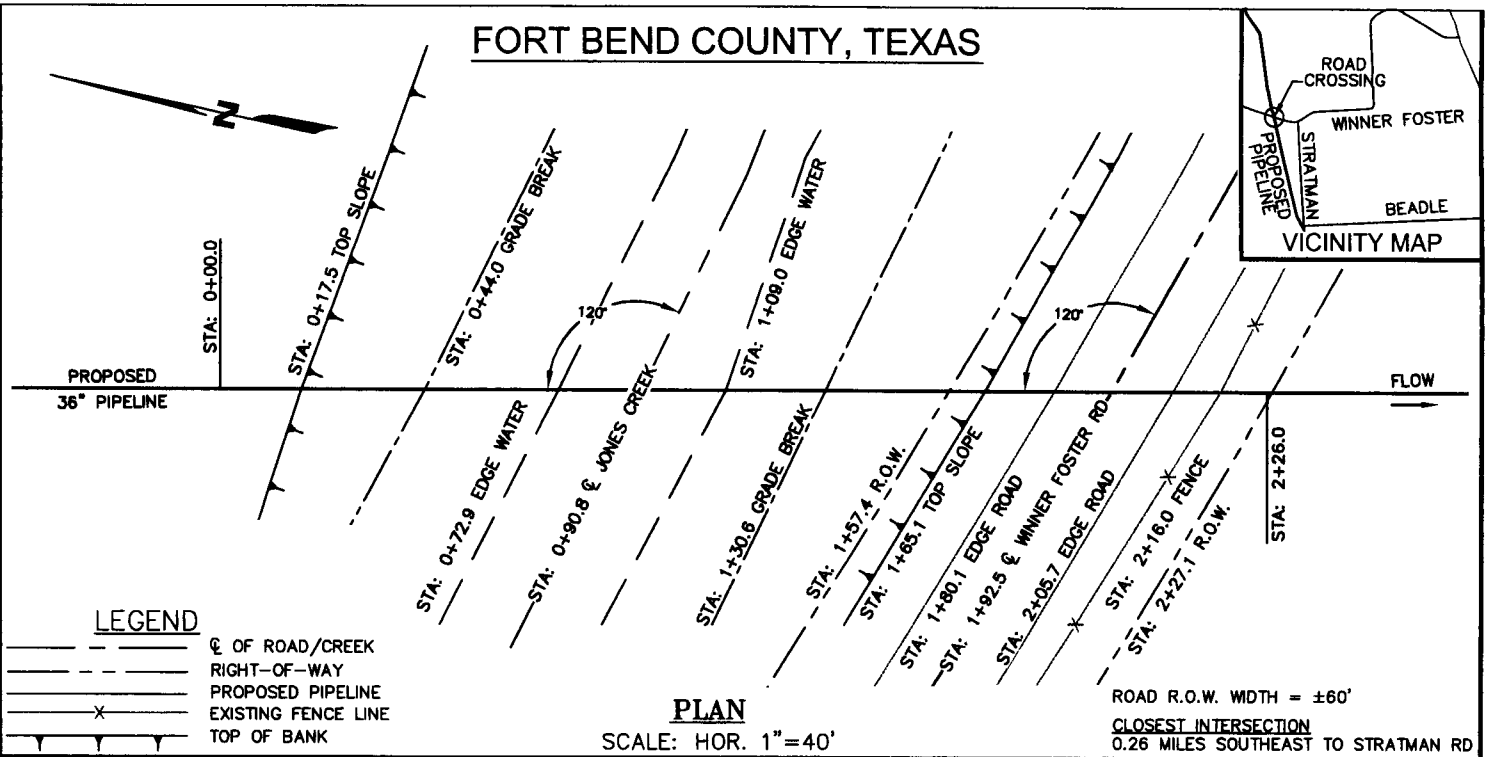
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AUSTIN, TEXAS 78735
OFC: 512.447.0575
FAX: 512.326.5029
EMAIL: INFO@SAM.BIZ

**ENTERPRISE CRUDE
PIPELINE LLC**
PROPOSED CROSSING DETAIL
MCKINNON ROAD
RANCHO PIPELINE EXPANSION

DWG. NO.
TX-FB-0049.00010

FORT BEND COUNTY, TEXAS



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JOB NUMBER: 34037
DATE: 4/18/14
SCALE: 1"=40'
SURVEYOR: D. KINSAUL
TECHNICIAN: C. LAMB
DRAWING: TX-FB-0053.00010-WINNER.DWG
TRACT ID: TX-FB-0053.00010

**ENTERPRISE CRUDE
PIPELINE LLC**

SAM
SURVEYING • AERIAL MAPPING • ENGINEERING

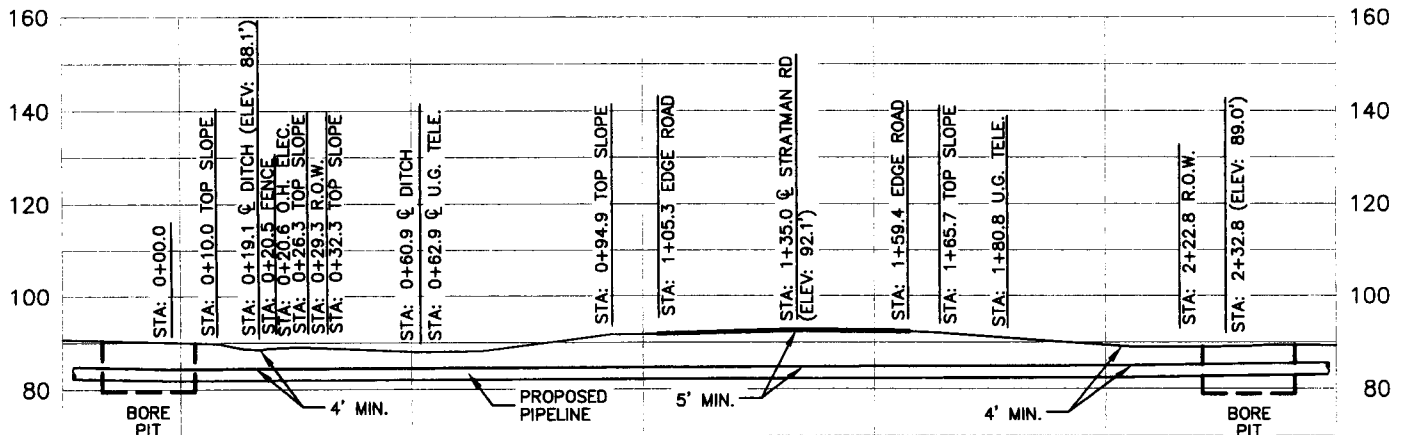
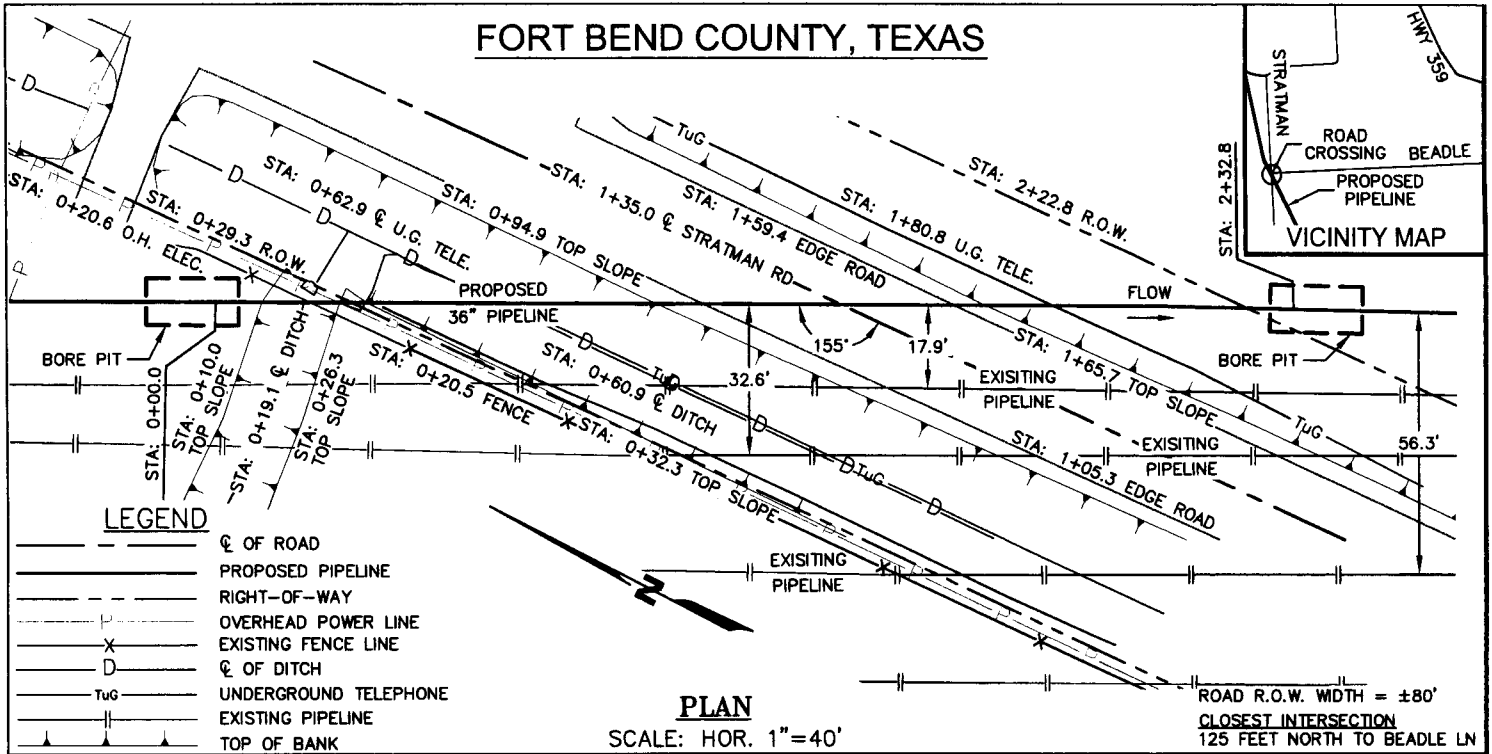
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EMAIL: INFO@SAM.BIZ

**ENTERPRISE CRUDE
PIPELINE LLC**
PROPOSED CROSSING DETAIL
WINNER FOSTER ROAD
RANCHO PIPELINE EXPANSION

DWG. NO.
TX-FB-0053.00010

FORT BEND COUNTY, TEXAS



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JOB NUMBER: 34037
DATE: 6/2/14
SCALE: 1"=40'
SURVEYOR: D. KINSAUL
TECHNICIAN: C. LAMB
DRAWING: TX-FB-0054.00010-STRATMAN.DWG
TRACT ID: TX-FB-0054.00010

**ENTERPRISE CRUDE
PIPELINE LLC**



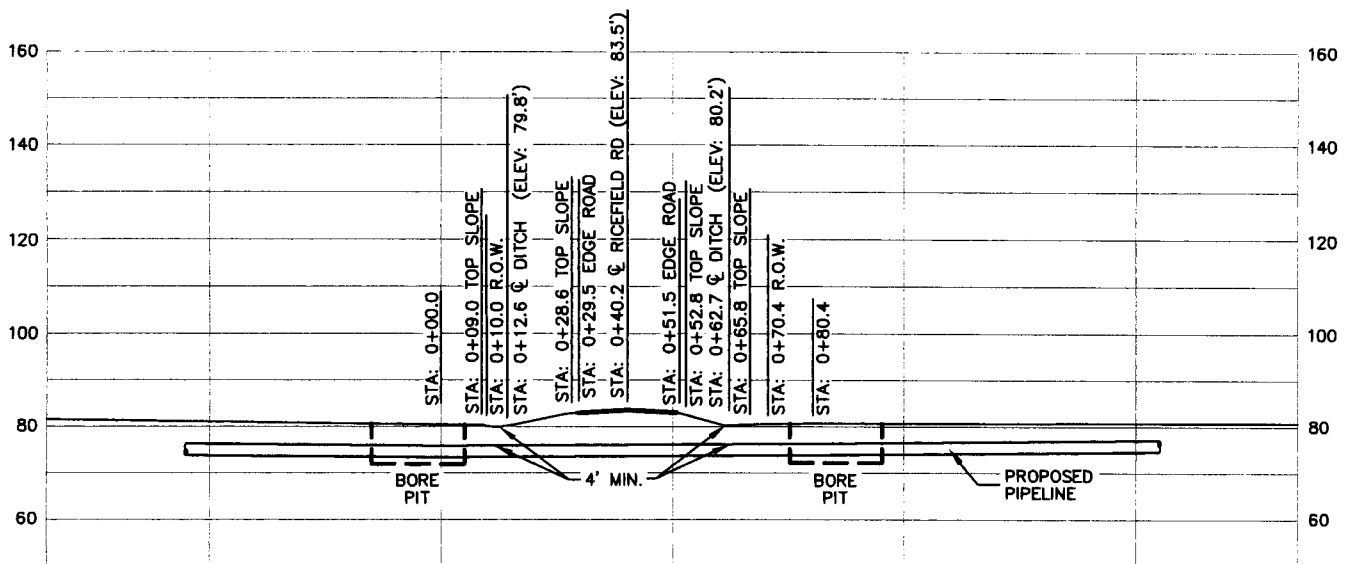
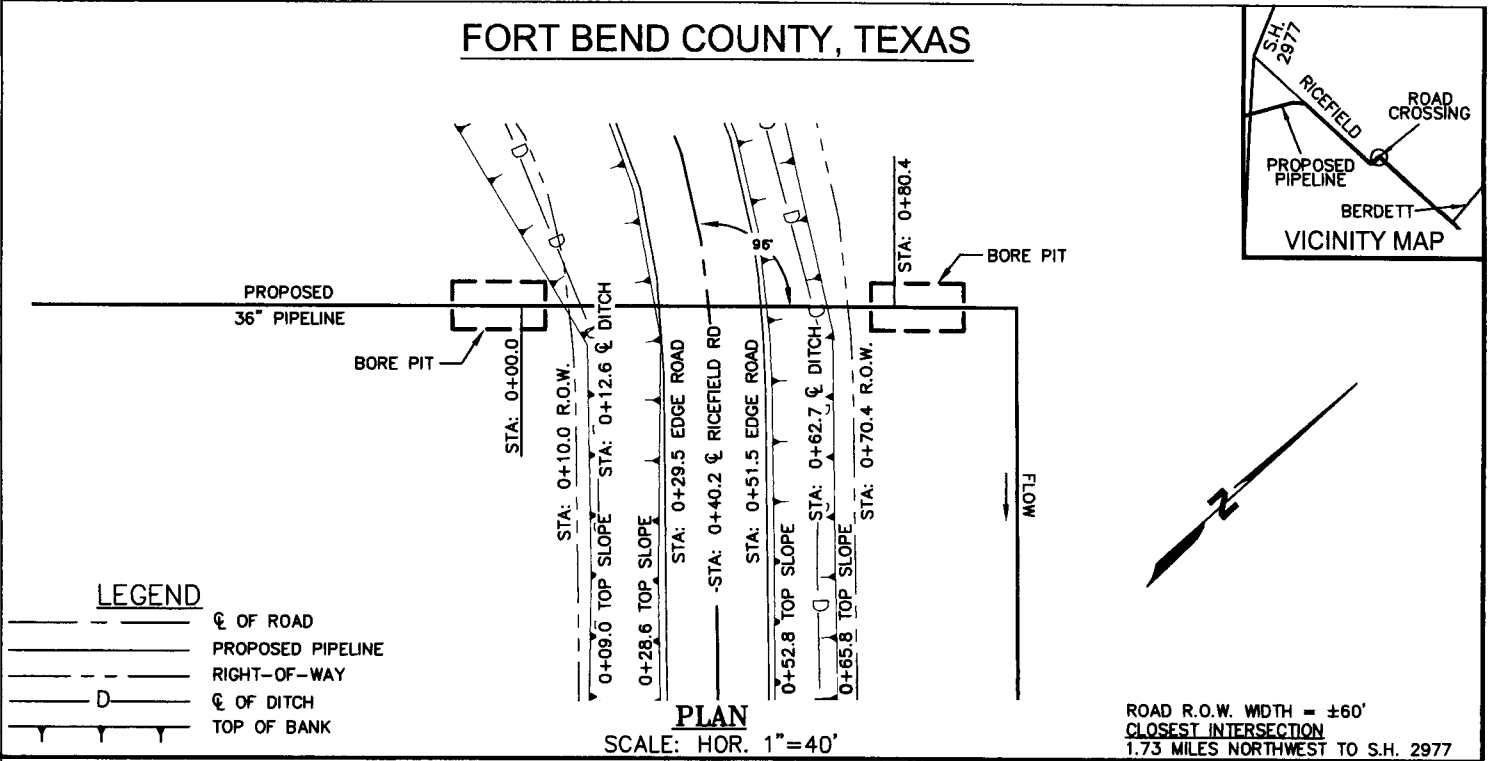
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**ENTERPRISE CRUDE
PIPELINE LLC**
PROPOSED CROSSING ROAD
STRATMAN ROAD
RANCHO PIPELINE EXPANSION

DWG. NO.
TX-FB-0054.00010

FORT BEND COUNTY, TEXAS



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5. CONTRACTORS: IT IS YOUR RESPONSIBILITY TO CONTACT THE COUNTY ENGINEER 48 HOURS PRIOR TO START OF CONSTRUCTION.

PIPE DATA

1. PRODUCT: CRUDE OIL
2. CARRIER PIPE: 36.000" O.D. X 0.741" MIN W.T., API 5L X-70, PSL2 PIPE W/ 14-16 MILS FBE & 30-40 MILS ARO COATING.
3. SEAM JOINT FACTOR=1.0
4. MINIMUM TEST PRESSURE: 1,800 PSIG
5. MAXIMUM OPERATING PRESSURE: 1,440 PSIG

RANCHO PIPELINE EXPANSION A11140
JOB NUMBER: 34037
DATE: 4/10/14
SCALE: 1"=40'
SURVEYOR: D. KINSAUL
TECHNICIAN: C. LAMB
DRAWING: TX-FB-0105.00010-RICEFIELD RD.DWG
TRACT ID: TX-FB-0105.00010

**ENTERPRISE CRUDE
PIPELINE LLC**

SAM
SURVEYING • AERIAL MAPPING • ENGINEERING

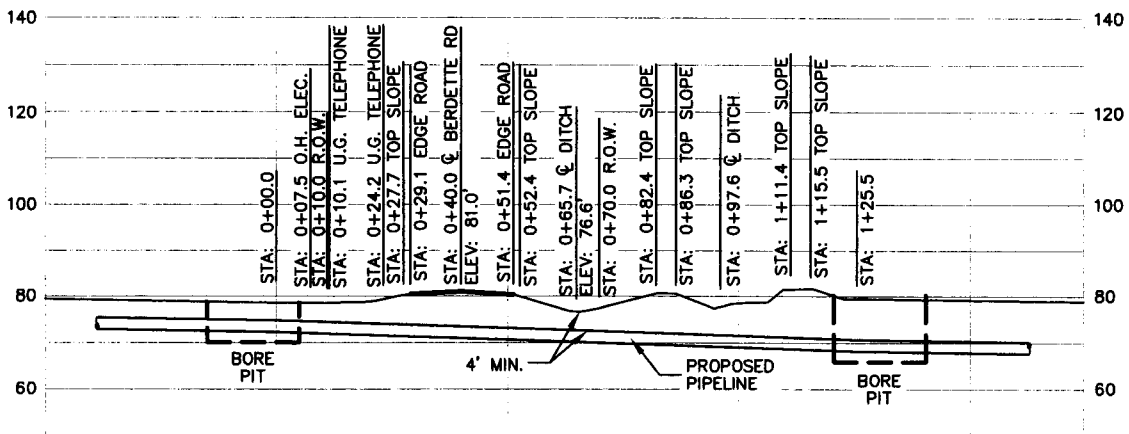
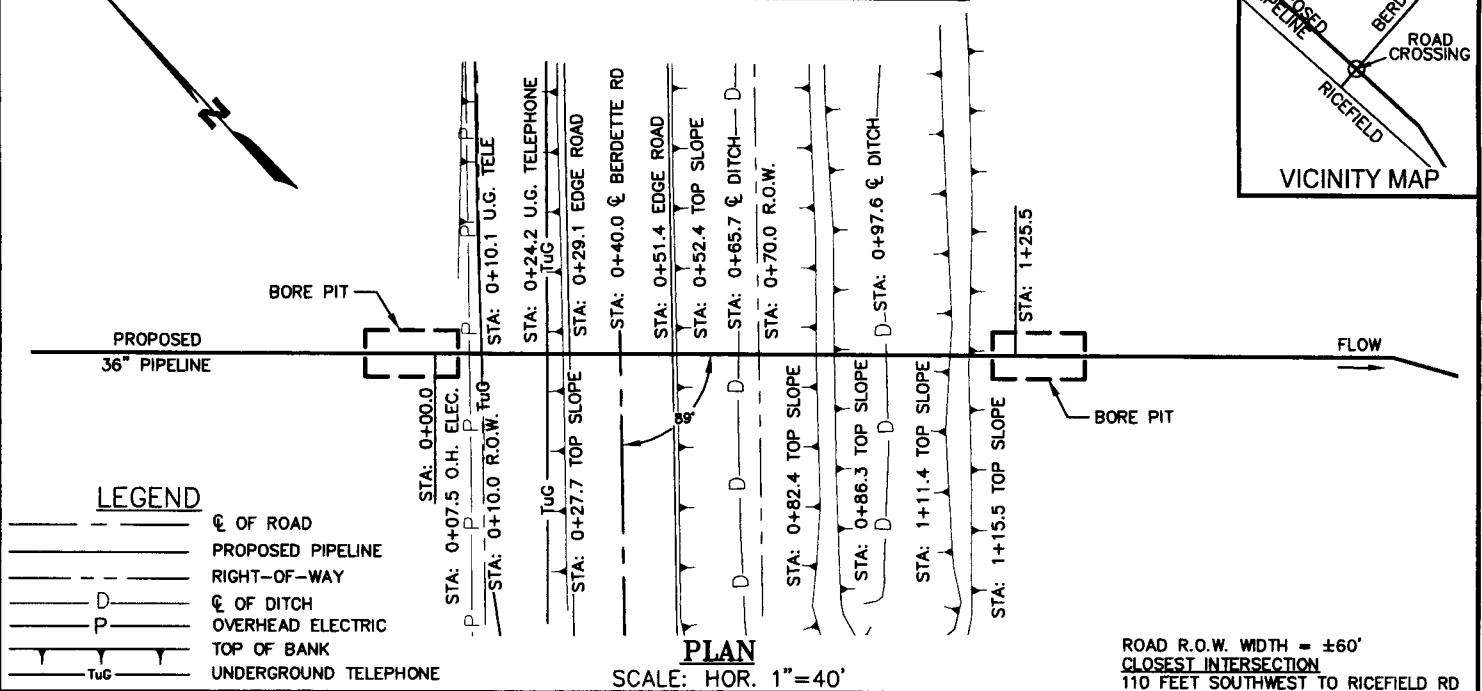
TEXAS FIRM REGISTRATION NO. 10064300

4801 SOUTHWEST PARKWAY
BUILDING TWO, SUITE 100
AUSTIN, TEXAS 78735
OFC: 512.447.0575
FAX: 512.326.3029
EMAIL: INFO@SAM.BIZ

**ENTERPRISE CRUDE
PIPELINE LLC**
PROPOSED CROSSING DETAIL
RICEFIELD ROAD
RANCHO PIPELINE EXPANSION

DWG. NO.
TX-FB-0105.00010

FORT BEND COUNTY, TEXAS



NOTES:

1. HORIZONTAL DATUM: TEXAS COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NAD83 (2007). ALL DISTANCES ARE REPRESENTED IN GRID VALUES, MEASURED IN U.S. SURVEY FEET, AND ARE BASED ON SAID HORIZONTAL DATUM.
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4. MINIMUM TEST PRESSURE: 1,800 PSIG
5. MAXIMUM OPERATING PRESSURE: 1,440 PSIG

RANCHO PIPELINE EXPANSION A11140
JOB NUMBER: 34037
DATE: 4/10/14
SCALE: 1"=40'
SURVEYOR: D. KINSAUL
TECHNICIAN: C. LAMB
DRAWING: TX-FB-0110.30010-BERDETTE RD.DWG
TRACT ID: TX-FB-0110.30010

**ENTERPRISE CRUDE
PIPELINE LLC**



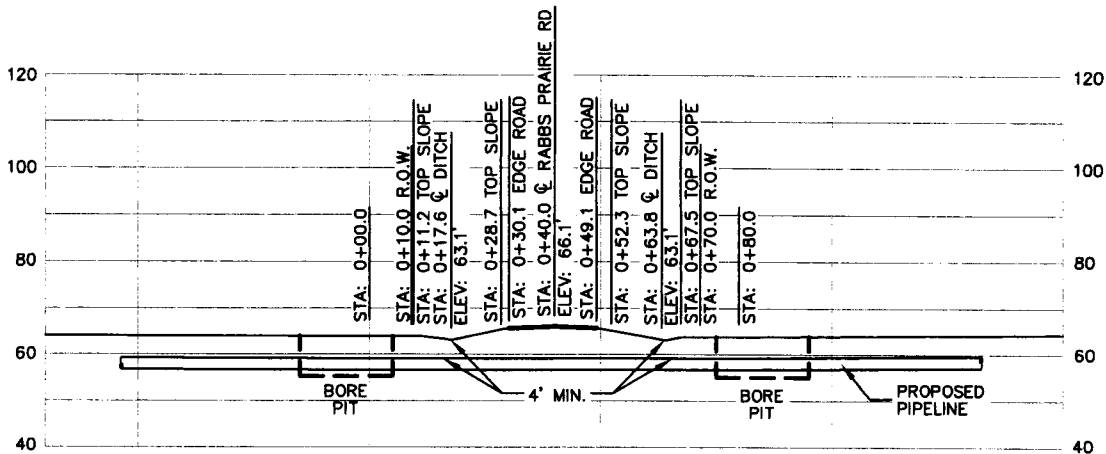
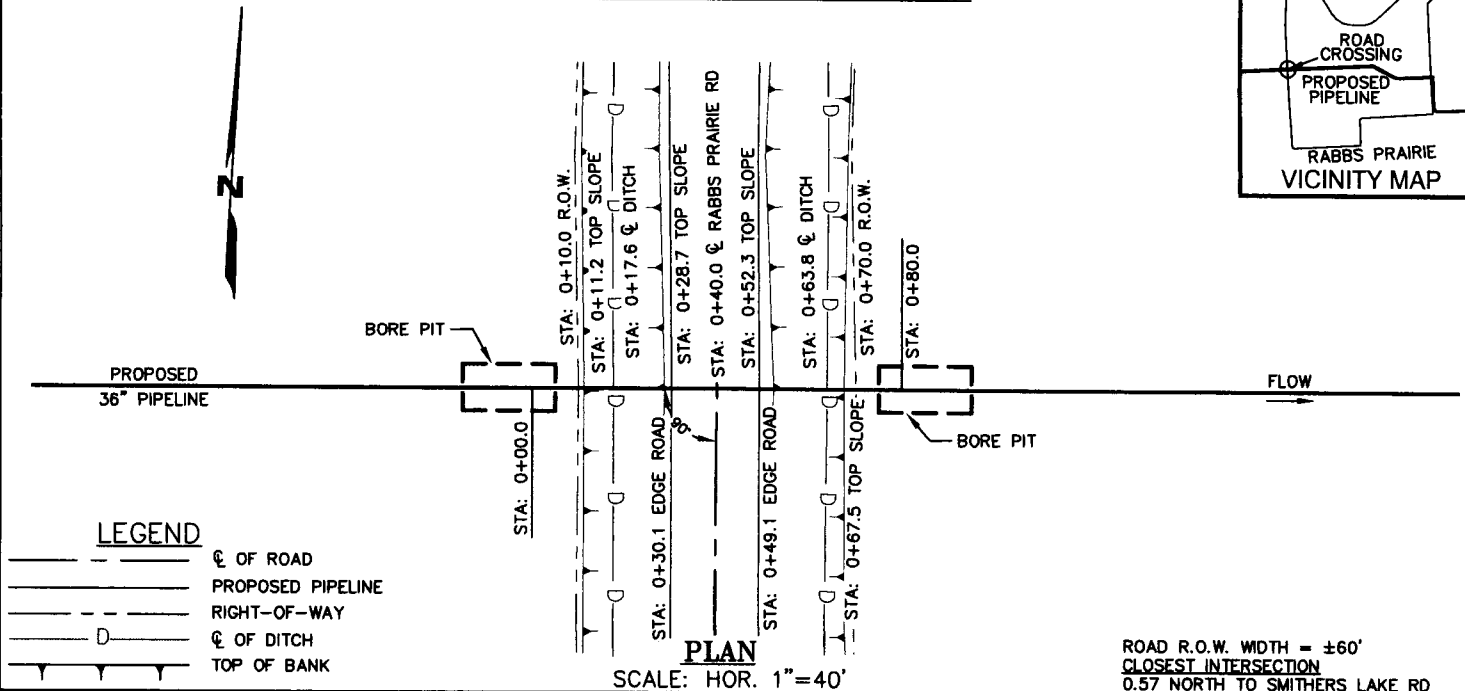
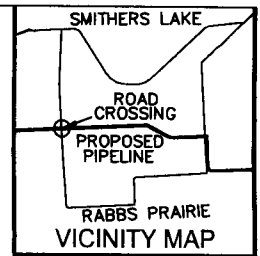
TEXAS FIRM REGISTRATION NO. 10064300

4801 SOUTHWEST PARKWAY
BUILDING TWO, SUITE 100
AUSTIN, TEXAS 78735
OFF: 512.447.0575
FAX: 512.326.3029
EMAIL: INFO@SAM.BIZ

**ENTERPRISE CRUDE
PIPELINE LLC**
PROPOSED CROSSING DETAIL
BERDETTE ROAD
RANCHO PIPELINE EXPANSION

DWG. NO.
TX-FB-0110.30010

FORT BEND COUNTY, TEXAS



NOTES:

1. HORIZONTAL DATUM: TEXAS COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NAD83 (2007). ALL DISTANCES ARE REPRESENTED IN GRID VALUES, MEASURED IN U.S. SURVEY FEET, AND ARE BASED ON SAID HORIZONTAL DATUM.
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5. MAXIMUM OPERATING PRESSURE: 1,440 PSIG

RANCHO PIPELINE EXPANSION A11140
JOB NUMBER: 34037
DATE: 4/14/14
SCALE: 1"=40'
SURVEYOR: D. KINSAUL
TECHNICIAN: C. LAMB
DRAWING: TX-FB-0118.30010-RABBS P.DWG
TRACT ID: TX-FB-0118.30010

**ENTERPRISE CRUDE
PIPELINE LLC**



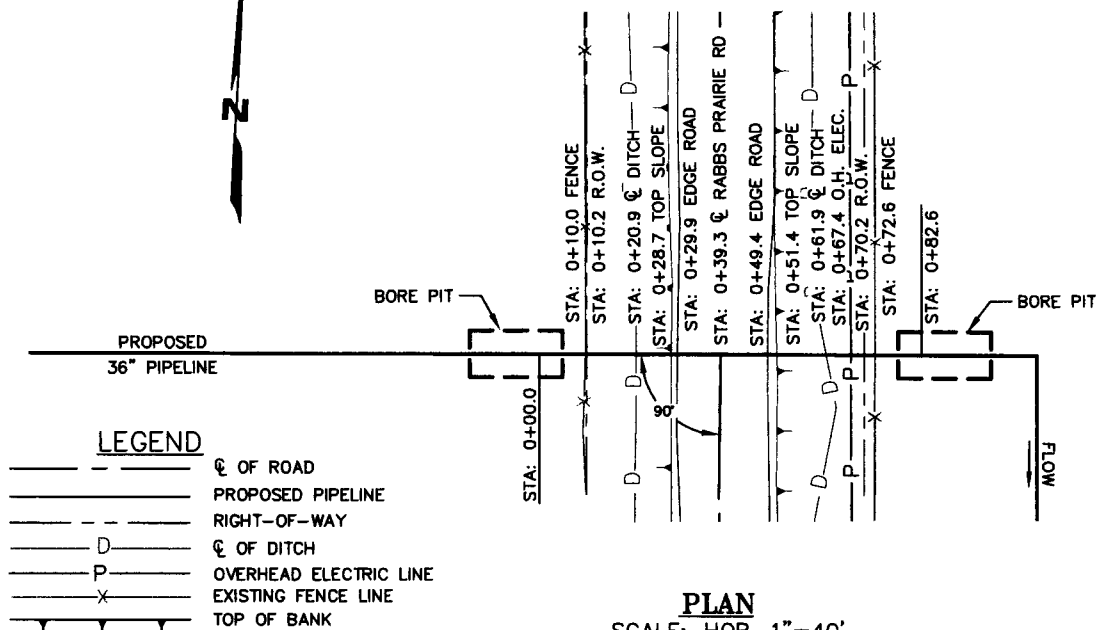
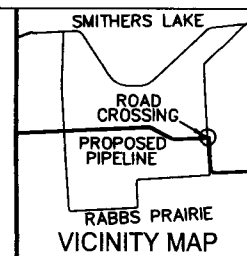
TEXAS FIRM REGISTRATION NO. 10064300

4801 SOUTHWEST PARKWAY
BUILDING TWO, SUITE 100
AUSTIN, TEXAS 78735
OFC: 512.447.0575
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EMAIL: INFO@SAM.BIZ

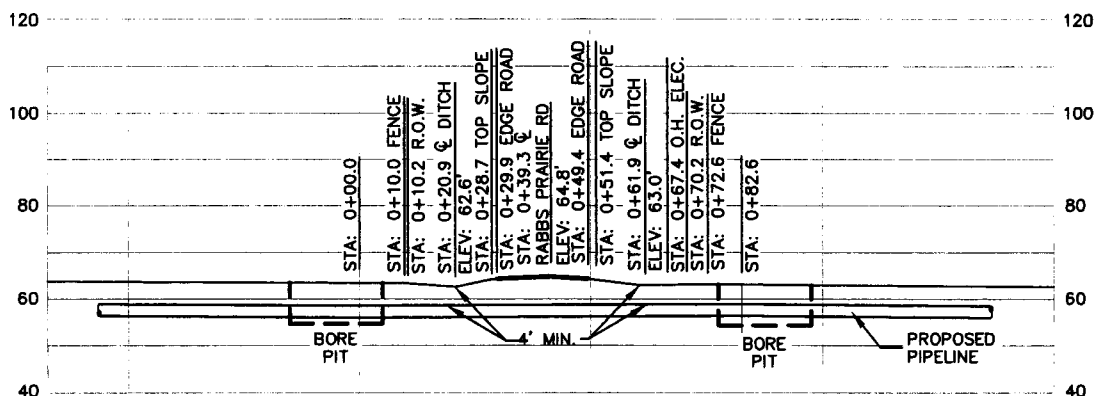
**ENTERPRISE CRUDE
PIPELINE LLC**
PROPOSED CROSSING DETAIL
RABBS PRAIRIE ROAD
RANCHO PIPELINE EXPANSION

DWG. NO.
TX-FB-0118.30010

FORT BEND COUNTY, TEXAS



ROAD R.O.W. WIDTH = ±60'
CLOSEST INTERSECTION
0.79 NORTHEAST TO SMITHERS LAKE RD



NOTES:

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3. SEAM JOINT FACTOR=1.0
4. MINIMUM TEST PRESSURE: 1,800 PSIG
5. MAXIMUM OPERATING PRESSURE: 1,440 PSIG

RANCHO PIPELINE EXPANSION A11140
JOB NUMBER: 34037
DATE: 4/14/14
SCALE: 1"=40'
SURVEYOR: D. KINSAUL
TECHNICIAN: C. LAMB
DRAWING: TX-FB-0125.20010-RABBS P.DWG
TRACT ID: TX-FB-0125.20010



4801 SOUTHWEST PARKWAY
BUILDING TWO, SUITE 100
AUSTIN, TEXAS 78735
OFF: 512.447.0575
FAX: 512.326.3029
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TEXAS FIRM REGISTRATION NO. 10064300

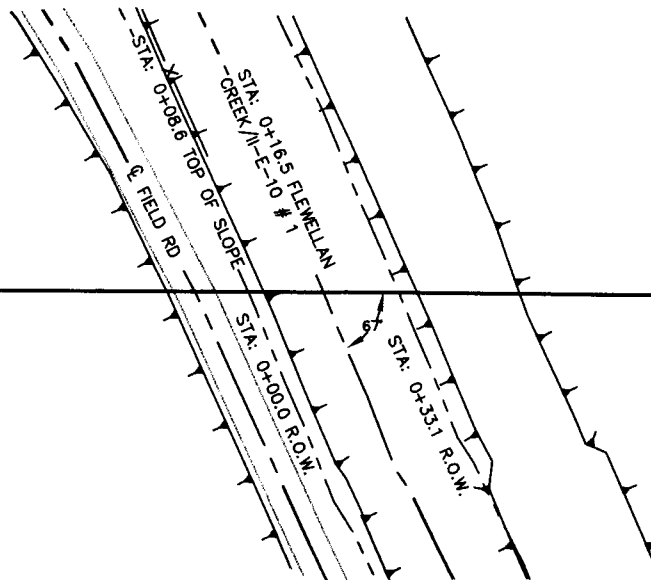
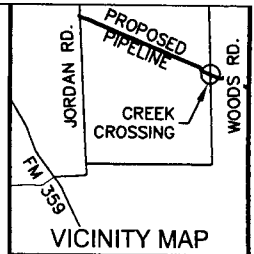
ENTERPRISE CRUDE
PIPELINE LLC
PROPOSED CROSSING DETAIL
RABBS PRAIRIE ROAD #2
RANCHO PIPELINE EXPANSION

DWG. NO.
TX-FB-0125.20010

Rancho Pipeline Expansion Project - Fort Bend County Drainage District Crossing List

#	RPE Permit #	Tract	Crossing Name	Jurisdictional Entity	Easement-Right of Way Width	Depth of Crossing	Method of Crossing
1	TX-FB-0003.00030		Flewellan Creek/II-E-10 crossing #1	Fort Bend County Drainage District	30'	5'	Bore
2	TX-FB-0004.00030		Flewellan Creek/II-E-10 crossing #2	Fort Bend County Drainage District	30'	5'	open cut
3	TX-FB-0019.00030		Flewellan Creek/II-E-10 crossing #3	Fort Bend County Drainage District	60'	5'	Horizontal Directional Drill
4	TX-FB-0036.10030		Flewellen Creek/II-E-10 crossing #4	Fort Bend County Drainage District	60'	5'	open cut
5	TX-FB-0051.00030		Flewellen Creek Tributary 2/II-E-10-B	Fort Bend County Drainage District	40'	5'	open cut
6	TX-FB-0054.00030		Sugar Land Industries/II-DD crossing #1	Fort Bend County Drainage District	Left 20' Right 85' Total 105'	5'	open cut
7	TX-FB-0055.00031		Sugar Land Industries/II-DD crossing #2	Fort Bend County Drainage District	Left 95' Right 35' Total 130'	5'	open cut
8	TX-FB-0059.00030		Robinowitz Ditch/II-M	Fort Bend County Drainage District	50'	5'	open cut
9	TX-FB-0076.00030		Seabourne Creek/II-B-4 crossing #1	Fort Bend County Drainage District	60'	10'	open cut
10	TX-FB-0081.10030		Seabourne Creek/II-B-4 crossing #2	Fort Bend County Drainage District	60'	10'	open cut
11	TX-FB-0086.10030		Canal at Danzinger-Reese/DANZINER-REESE	Fort Bend County Drainage District	70'	10'	open cut
12	TX-FB-0101.00030		Dry Creek/II-B-2 crossing #1	Fort Bend County Drainage District	250'	10'	open cut
13	TX-FB-0103.00030		Dry Creek/II-B-2 crossing #2	Fort Bend County Drainage District	200'	10'	open cut
14	TX-FB-0129.20030		Rabbs Bayou #2/II-B-2	Fort Bend County Drainage District	120'	5'	open cut
15	TX-FB-0131.20031		Waters Lake Bayou/II-C-1 crossing #1	Fort Bend County Drainage District	120'	5'	open cut
16	TX-FB-0131.20032		Waters Lake Bayou/II-C-1 crossing #2	Fort Bend County Drainage District	120'	5'	open cut

FORT BEND COUNTY, TEXAS



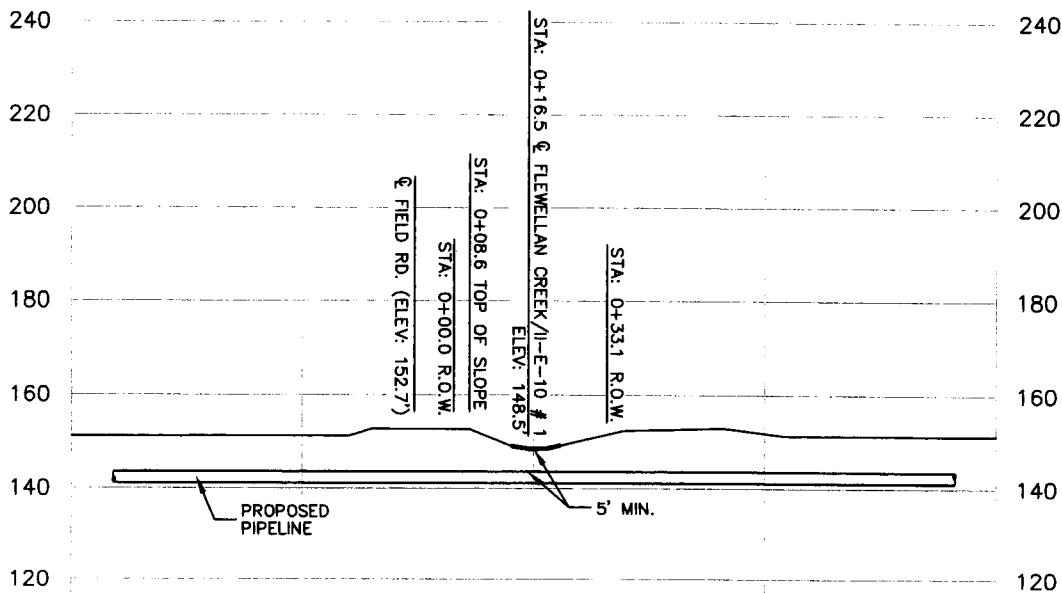
LEGEND

- C OF CREEK/ROAD
- PROPOSED PIPELINE
- - - RIGHT-OF-WAY
- ▲ TOP OF BANK

PLAN

SCALE: HOR. 1"=40'

C INTERSECTION
LAT. 29.736117
LONG. -95.901347
CREEK R.O.W. WIDTH = ±30'



PROFILE

SCALE: HOR. 1"=40'
SCALE: VER. 1"=40'

NOTES:

1. HORIZONTAL DATUM: TEXAS COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NAD83 (2007). ALL DISTANCES ARE REPRESENTED IN GRID VALUES, MEASURED IN U.S. SURVEY FEET, AND ARE BASED ON SAID HORIZONTAL DATUM.
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5. CONTRACTORS: IT IS YOUR RESPONSIBILITY TO CONTACT THE COUNTY DRAINAGE INSPECTOR 48 HOURS PRIOR TO START OF CONSTRUCTION.

PIPE DATA

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2. CARRIER PIPE: 36.000" O.D. X 0.515" MIN W.T., API 5L X-70, PSL2 PIPE W/ 14-16 MILS FBE COATING.
3. SEAM JOINT FACTOR=1.0
4. MINIMUM TEST PRESSURE: 1,800 PSIG
5. MAXIMUM OPERATING PRESSURE: 1,440 PSIG

RANCHO PIPELINE EXPANSION A11140
JOB NUMBER: 34037
DATE: 6/13/14
SCALE: 1"=40'
SURVEYOR: D. KINSAUL
TECHNICIAN: C. LAMB
DRAWING: TX-FB-0003.00030-FLEW II-E10 #1
TRACT ID: TX-FB-0003.00030

**ENTERPRISE CRUDE
PIPELINE LLC**

SAM
SURVEYING • AERIAL MAPPING • ENGINEERING

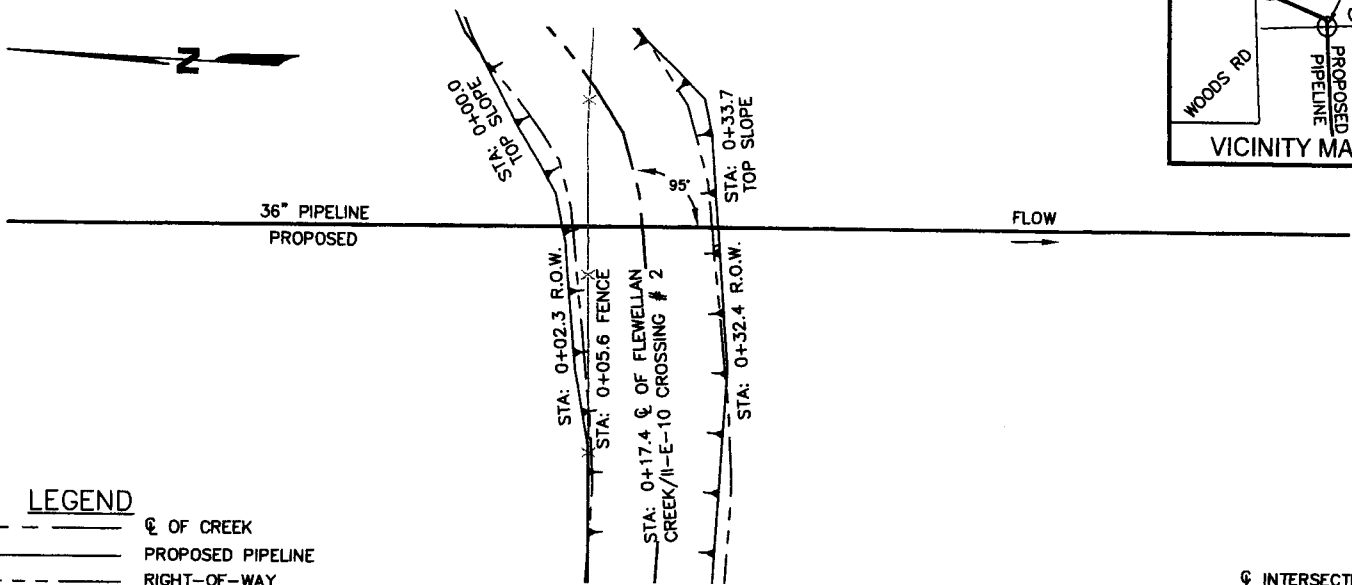
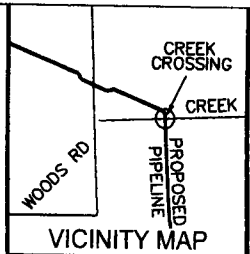
TEXAS FIRM REGISTRATION NO. 10064300

4801 SOUTHWEST PARKWAY
BUILDING TWO, SUITE 100
AUSTIN, TEXAS 78735
OFC: 512.447.0575
FAX: 512.326.3029
EMAIL: INFO@SAM.BIZ

**ENTERPRISE CRUDE
PIPELINE LLC**
PROPOSED CROSSING DETAIL
FLEWELLAN CREEK/II-E-10 #1
RANCHO PIPELINE EXPANSION

DWG. NO.
TX-FB-0003.00030

FORT BEND COUNTY, TEXAS



LEGEND

- C of CREEK
- PROPOSED PIPELINE
- RIGHT-OF-WAY
- X — EXISTING FENCE LINE
- TOP OF BANK

PLAN

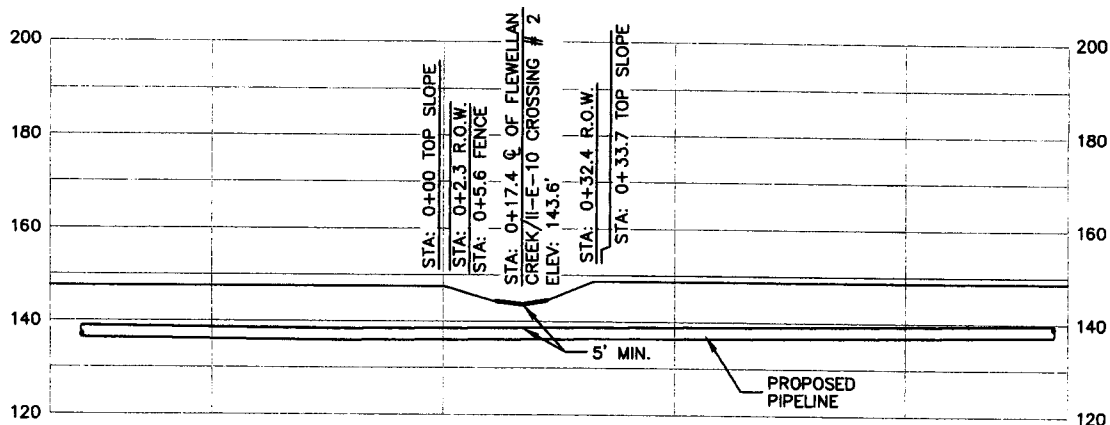
SCALE: HOR. 1"=40'

C of INTERSECTION

LAT. 29.732742

LONG. -95.894756

CREEK R.O.W. WIDTH = ±30'



PROFILE

SCALE: HOR. 1"=40'

SCALE: VER. 1"=40'

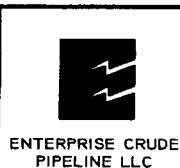
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RANCHO PIPELINE EXPANSION A11140	
JOB NUMBER: 34037	
DATE: 4/24/2014	
SCALE: 1"=40'	
SURVEYOR: D. KINSAUL	
TECHNICIAN: C. LAMB	
DRAWING: TX-FB-0004.00030-FLEW CRK2.DWG	
TRACT ID: TX-FB-0004.00030	



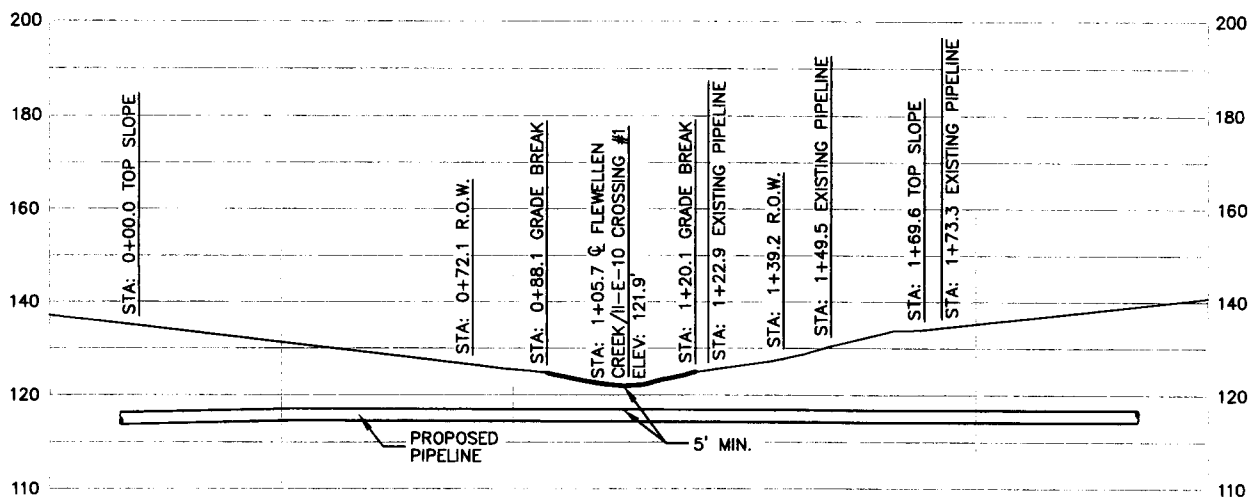
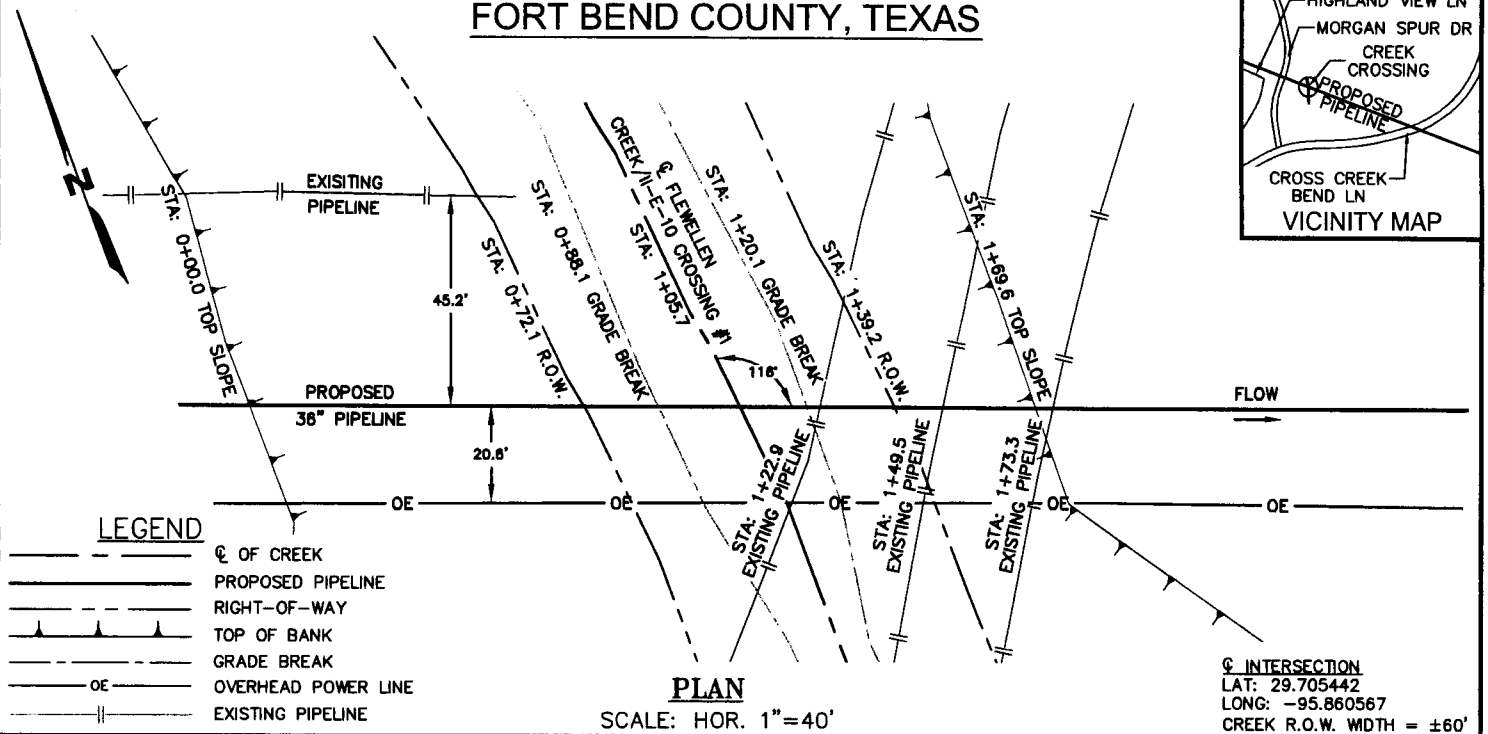
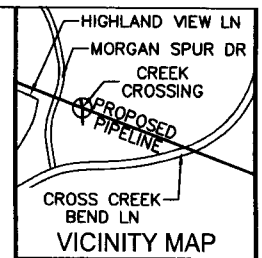
4801 SOUTHWEST PARKWAY
BUILDING TWO, SUITE 100
AUSTIN, TEXAS 78735
OFC: 512.447.0575
FAX: 512.326.5029
EMAIL: INFO@SAM.BIZ

TEXAS FIRM REGISTRATION NO. 10064300

ENTERPRISE CRUDE
PIPELINE LLC
PROPOSED CROSSING DETAIL
FLEWELLAN CREEK/II-E-10 CROSSING # 2
RANCHO PIPELINE EXPANSION

DWG. NO.
TX-FB-0004.00030

FORT BEND COUNTY, TEXAS



NOTES:

1. HORIZONTAL DATUM: TEXAS COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NAD83 (2007). ALL DISTANCES ARE REPRESENTED IN GRID VALUES, MEASURED IN U.S. SURVEY FEET, AND ARE BASED ON SAID HORIZONTAL DATUM.
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5. CONTRACTORS: IT IS YOUR RESPONSIBILITY TO CONTACT THE COUNTY DRAINAGE INSPECTOR 48 HOURS PRIOR TO START OF CONSTRUCTION.

PIPE DATA

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3. SEAM JOINT FACTOR: 1.0
4. MINIMUM TEST PRESSURE: 1,800 PSIG
5. MAXIMUM OPERATING PRESSURE: 1,440 PSIG

RANCHO PIPELINE EXPANSION A11140
JOB NUMBER: 34037
DATE: 7/7/2014
SCALE: 1"=40'
SURVEYOR: D. KINSAUL
TECHNICIAN: C. MACHALA/S. HERBOLD
DRAWING: TX-FB-0019.00030-FLEWELLEN CREEK A3.DWG
TRACT ID: TX-FB-0019.00030



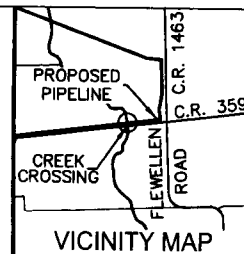
4801 SOUTHWEST PARKWAY
BUILDING TWO, SUITE 100
AUSTIN, TEXAS 78735
OFF: 512.447.0575
FAX: 512.326.3029
EMAIL: INFO@SAM.BIZ

TEXAS FIRM REGISTRATION NO. 10064300

ENTERPRISE CRUDE
PIPELINE LLC
PROPOSED CROSSING DETAIL
FLEWELLEN CREEK/II-E-10#3
RANCHO PIPELINE EXPANSION

DWG. NO.
TX-FB-0019.00030

FORT BEND COUNTY, TEXAS



N

PROPOSED
36" PIPELINE

FLOW

LEGEND

- Q OF CREEK
- PROPOSED PIPELINE
- RIGHT-OF-WAY
- P OVERHEAD POWER LINE
- TOP OF BANK

PLAN

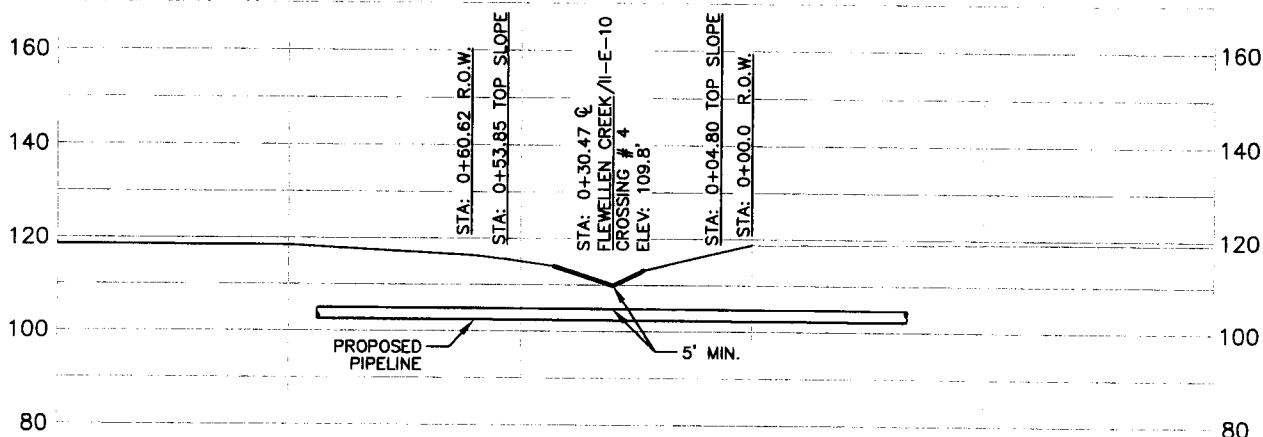
SCALE: HOR. 1"=40'

Q INTERSECTION

LAT. 29.694533

LONG. -95.850903

CREEK R.O.W. WIDTH = ±60'



PROFILE

SCALE: HOR. 1"=40'

SCALE: VER. 1"=40'

NOTES:

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3. SEAM JOINT FACTOR=1.0
4. MINIMUM TEST PRESSURE: 1,800 PSIG
5. MAXIMUM OPERATING PRESSURE: 1,440 PSIG

RANCHO PIPELINE EXPANSION A11140
JOB NUMBER: 34037
DATE: 4/24/2014
SCALE: 1"=40'
SURVEYOR: D. KINSAUL
TECHNICIAN: C. LAMB
DRAWING: TX-FB-0036.10030-FLEWELLEN.DWG
TRACT ID: TX-FB-0036.10030



ENTERPRISE CRUDE
PIPELINE LLC



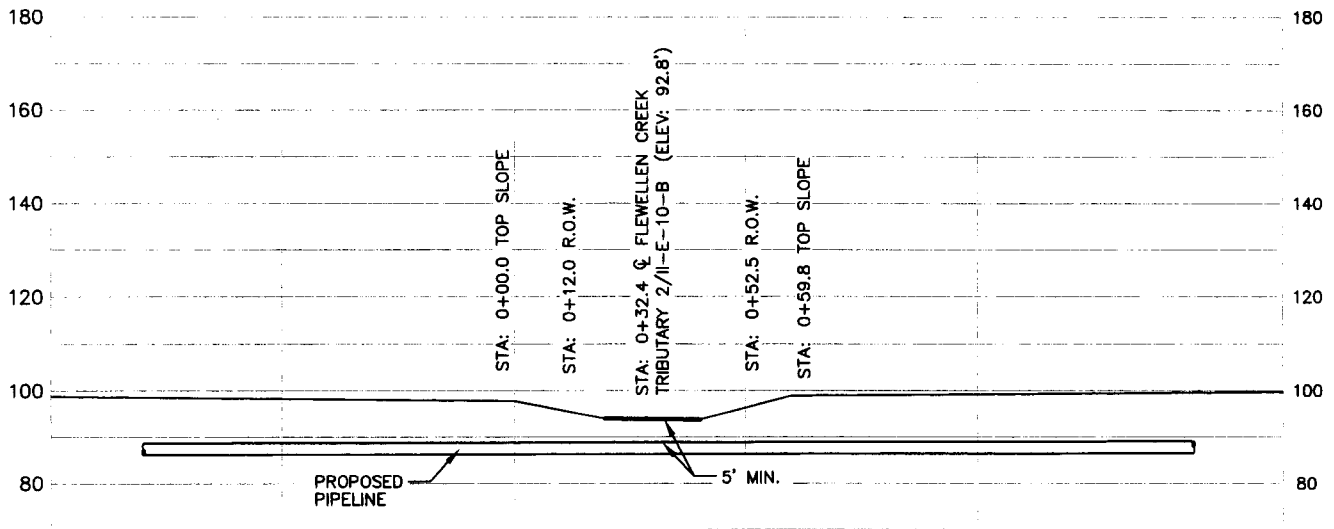
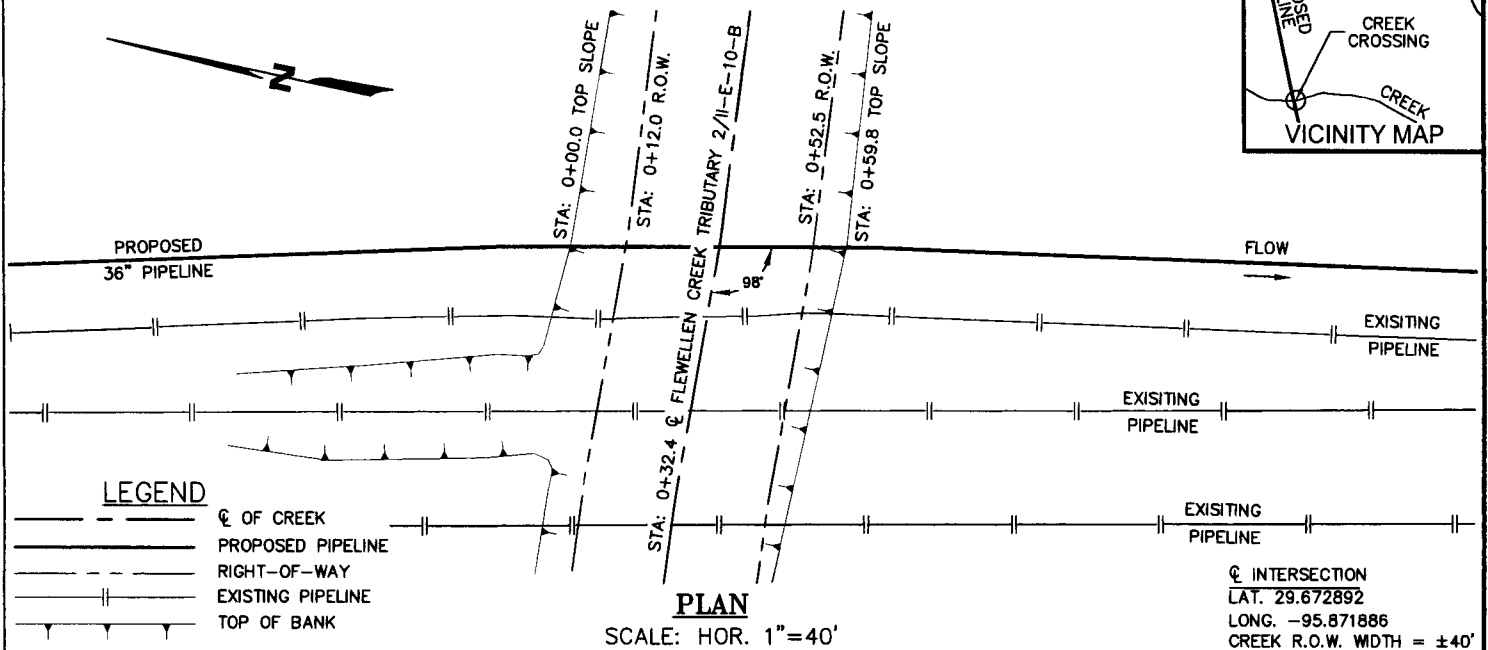
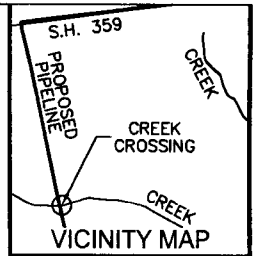
TEXAS FIRM REGISTRATION NO. 10064300

4801 SOUTHWEST PARKWAY
BUILDING TWO, SUITE 100
AUSTIN, TEXAS 78735
OFC: 512.447.0575
FAX: 512.326.3029
EMAIL: INFO@SAM.BIZ

ENTERPRISE CRUDE
PIPELINE LLC
PROPOSED CROSSING DETAIL
FLEWELLEN CREEK/I-E-10 CROSSING # 4
RANCHO PIPELINE EXPANSION

DWG. NO.
TX-FB-0036.10030

FORT BEND COUNTY, TEXAS



NOTES:

1. HORIZONTAL DATUM: TEXAS COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NAD83 (2007). ALL DISTANCES ARE REPRESENTED IN GRID VALUES, MEASURED IN U.S. SURVEY FEET, AND ARE BASED ON SAID HORIZONTAL DATUM.
2. EXISTING UTILITIES ARE SHOWN IN APPROXIMATE LOCATION GENERATED FROM PREVIOUS MAPS AND SURVEY. CONTRACTOR SHALL VERIFY EXACT LOCATION AND ELEVATION OF ALL EXISTING UTILITIES IN THE AREA OF WORK PRIOR TO CONSTRUCTION AND CALL TEXAS ONE CALL SYSTEM AT 1-800-344-8377 AND ALL OTHER UTILITY COMPANIES AT LEAST 2 WORKING DAYS (48 HOURS) PRIOR TO CONSTRUCTION.
3. THIS CROSSING IS DESIGNED AND WILL BE CONSTRUCTED IN ACCORDANCE WITH TITLE 49, CODE OF FEDERAL REGULATIONS, PART 195.
4. LINE WILL BE INSTALLED BY OPEN CUT METHOD ONLY UNLESS OTHERWISE APPROVED BY THE COUNTY DRAINAGE INSPECTOR.
5. CONTRACTORS: IT IS YOUR RESPONSIBILITY TO CONTACT THE COUNTY DRAINAGE INSPECTOR 48 HOURS PRIOR TO START OF CONSTRUCTION.

PIPE DATA

1. PRODUCT: CRUDE OIL
2. CARRIER PIPE: 36.000" O.D. X 0.515" MIN W.T., API 5L X-70, PSL2 PIPE W/ 14-16 MILS FBE COATING.
3. SEAM JOINT FACTOR=1.0
4. MINIMUM TEST PRESSURE: 1,800 PSIG
5. MAXIMUM OPERATING PRESSURE: 1,440 PSIG

RANCHO PIPELINE EXPANSION A11140
JOB NUMBER: 34037
DATE: 5/30/2014
SCALE: 1"=40'
SURVEYOR: D. KINSAUL
TECHNICIAN: C. LAMB
DRAWING: TX-FB-0051.00030-F 10-B RD.DWG
TRACT ID: TX-FB-0051.00030



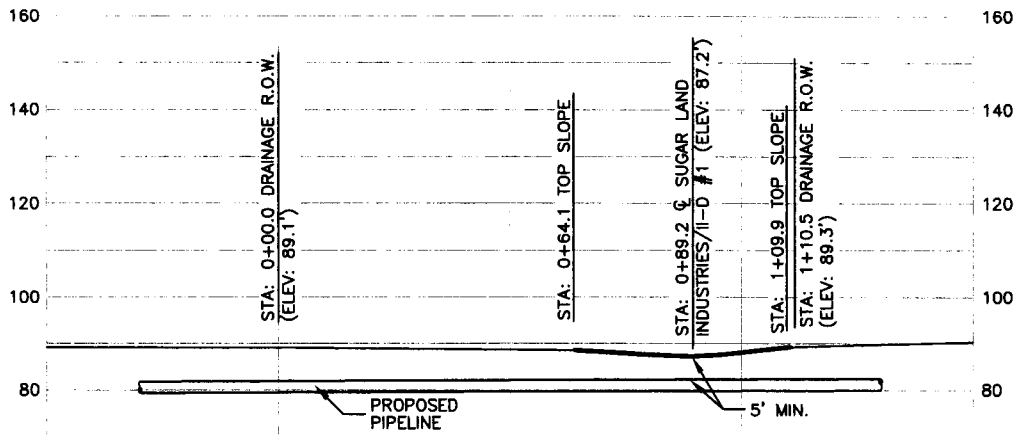
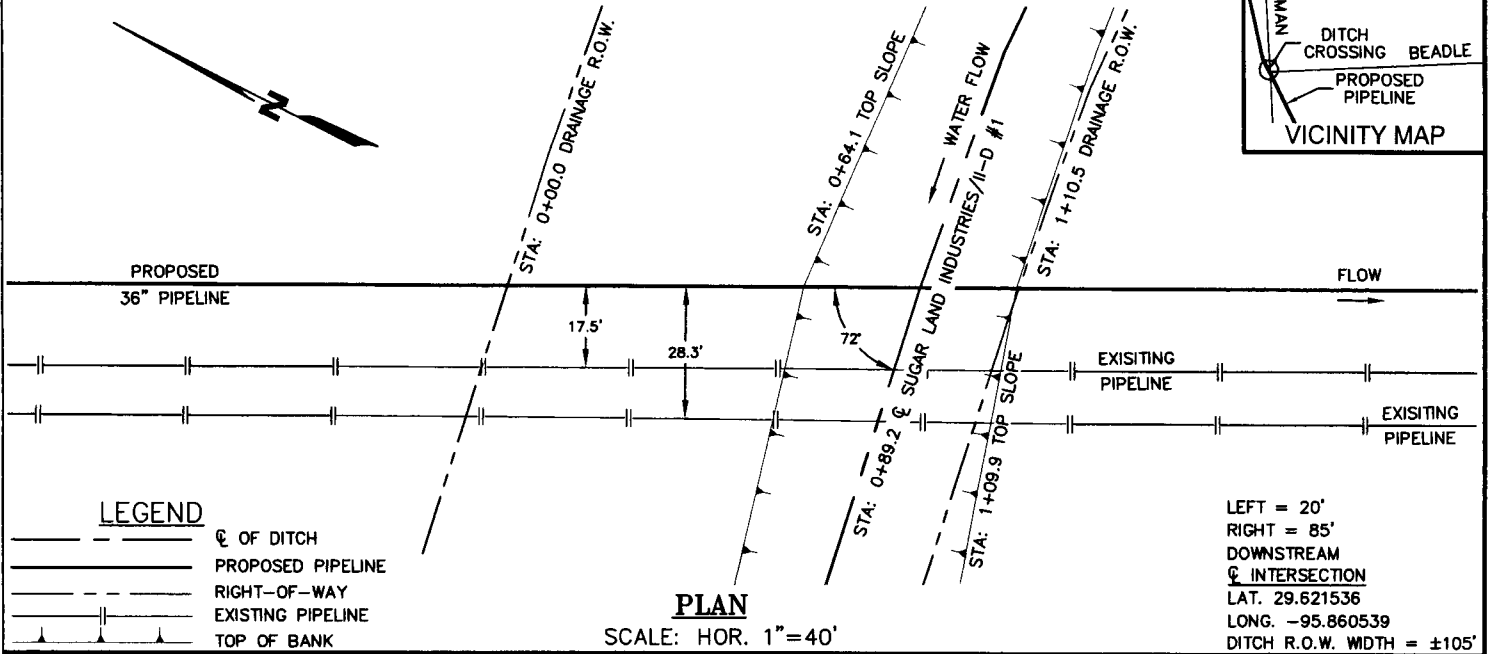
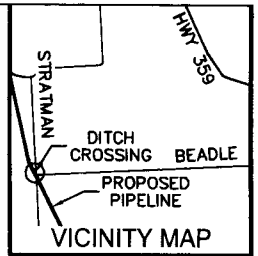
4801 SOUTHWEST PARKWAY
BUILDING TWO, SUITE 100
AUSTIN, TEXAS 78735
OFC: 512.447.0575
FAX: 512.326.3029
EMAIL: INFO@SAM.BIZ

TEXAS FIRM REGISTRATION NO. 10064300

ENTERPRISE CRUDE
PIPELINE LLC
PROPOSED CROSSING DETAIL
FLEWELLEN CREEK TRIBUTARY 2/II-E-10-B
RANCHO PIPELINE EXPANSION

DWG. NO.
TX-FB-0051.00030

FORT BEND COUNTY, TEXAS



NOTES:

1. HORIZONTAL DATUM: TEXAS COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NAD83 (2007). ALL DISTANCES ARE REPRESENTED IN GRID VALUES, MEASURED IN U.S. SURVEY FEET, AND ARE BASED ON SAID HORIZONTAL DATUM.
2. EXISTING UTILITIES ARE SHOWN IN APPROXIMATE LOCATION GENERATED FROM PREVIOUS MAPS AND SURVEY. CONTRACTOR SHALL VERIFY EXACT LOCATION AND ELEVATION OF ALL EXISTING UTILITIES IN THE AREA OF WORK PRIOR TO CONSTRUCTION AND CALL TEXAS ONE CALL SYSTEM AT 1-800-344-8377 AND ALL OTHER UTILITY COMPANIES AT LEAST 2 WORKING DAYS (48 HOURS) PRIOR TO CONSTRUCTION.
3. THIS CROSSING IS DESIGNED AND WILL BE CONSTRUCTED IN ACCORDANCE WITH TITLE 49, CODE OF FEDERAL REGULATIONS, PART 195.
4. LINE WILL BE INSTALLED BY OPEN CUT METHOD ONLY UNLESS OTHERWISE APPROVED BY THE COUNTY DRAINAGE INSPECTOR.
5. CONTRACTORS: IT IS YOUR RESPONSIBILITY TO CONTACT THE COUNTY DRAINAGE INSPECTOR 48 HOURS PRIOR TO START OF CONSTRUCTION.

PIPE DATA

1. PRODUCT: CRUDE OIL
2. CARRIER PIPE: 36.000" O.D. X 0.515" MIN W.T., API 5L X-70, PSL2 PIPE W/ 14-16 MILS FBE COATING.
3. SEAM JOINT FACTOR=1.0
4. MINIMUM TEST PRESSURE: 1,800 PSIG
5. MAXIMUM OPERATING PRESSURE: 1,440 PSIG

RANCHO PIPELINE EXPANSION A11140
JOB NUMBER: 34037
DATE: 6/3/14
SCALE: 1"=40'
SURVEYOR: D. KINSAUL
TECHNICIAN: C. LAMB
DRAWING: TX-FB-0054.00030-SUGAR II.DWG
TRACT ID: TX-FB-0054.00030



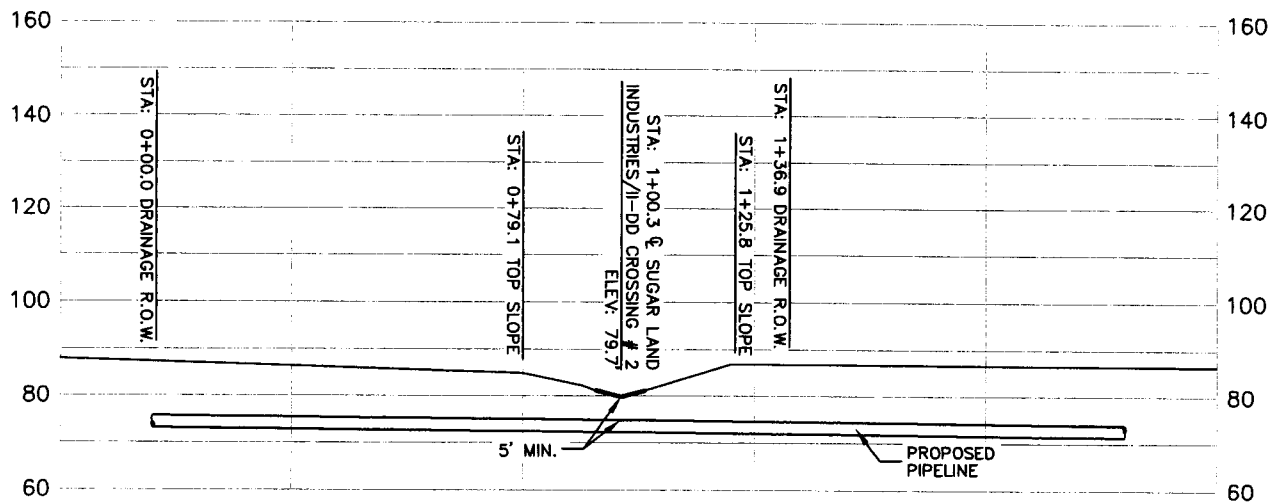
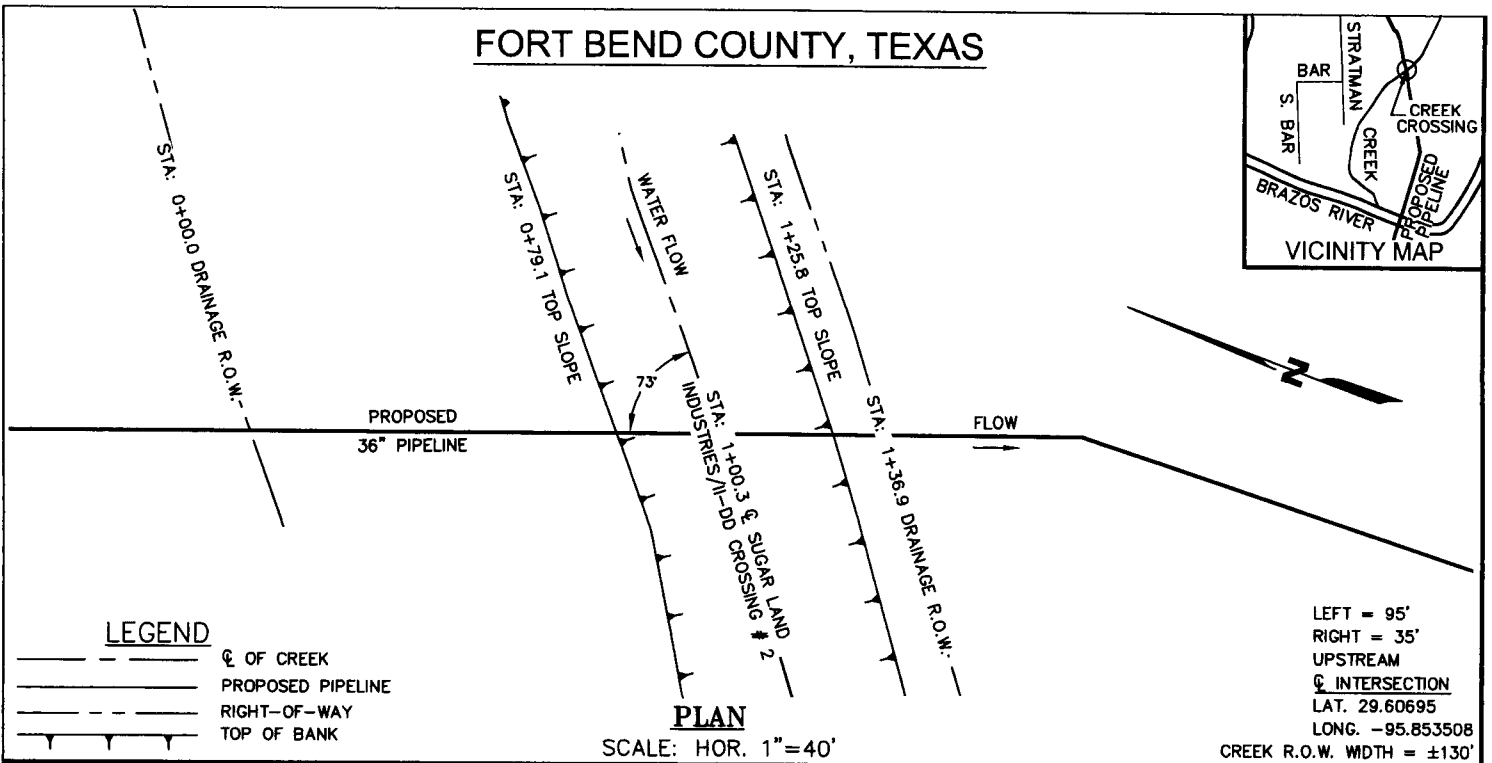
TEXAS FIRM REGISTRATION NO. 10064300

4601 SOUTHWEST PARKWAY
BUILDING TWO, SUITE 100
AUSTIN, TEXAS 78735
OFF: 512.447.0575
FAX: 512.326.3029
EMAIL: INFO@SAM.BIZ

ENTERPRISE CRUDE
PIPELINE LLC
PROPOSED CROSSING DETAIL
SUGAR LAND INDUSTRIES/II-DD #1
RANCHO PIPELINE EXPANSION

DWG. NO.
TX-FB-0054.00030

FORT BEND COUNTY, TEXAS



NOTES:

1. HORIZONTAL DATUM: TEXAS COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NAD83 (2007). ALL DISTANCES ARE REPRESENTED IN GRID VALUES, MEASURED IN U.S. SURVEY FEET, AND ARE BASED ON SAID HORIZONTAL DATUM.
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4. LINE WILL BE INSTALLED BY OPEN CUT METHOD ONLY UNLESS OTHERWISE APPROVED BY THE COUNTY DRAINAGE INSPECTOR.
5. CONTRACTORS: IT IS YOUR RESPONSIBILITY TO CONTACT THE COUNTY DRAINAGE INSPECTOR 48 HOURS PRIOR TO START OF CONSTRUCTION.

PIPE DATA

1. PRODUCT: CRUDE OIL
2. CARRIER PIPE: 36.000" O.D. X 0.515" MIN W.T., API 5L X-70, PSL2 PIPE W/ 14-16 MILS FBE COATING.
3. SEAM JOINT FACTOR=1.0
4. MINIMUM TEST PRESSURE: 1,800 PSIG
5. MAXIMUM OPERATING PRESSURE: 1,440 PSIG

RANCHO PIPELINE EXPANSION A11140	
JOB NUMBER: 34037	
DATE: 4/25/14	
SCALE: 1"=40'	
SURVEYOR: D. KINSAUL	
TECHNICIAN: C. LAMP	
DRAWING: TX-FB-0055.00031-SUGARLAND.DWG	
TRACT ID: TX-FB-0055.00031	

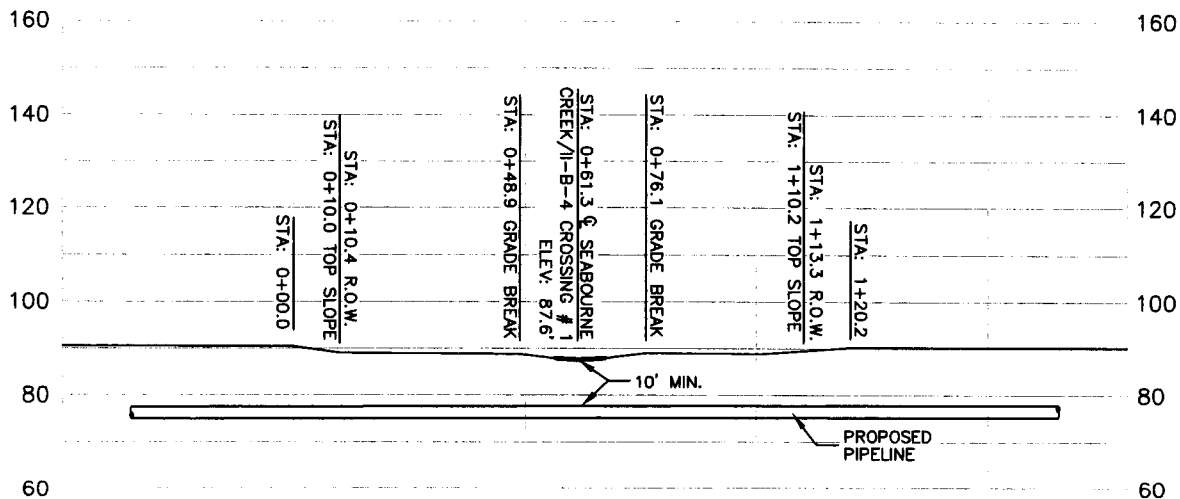
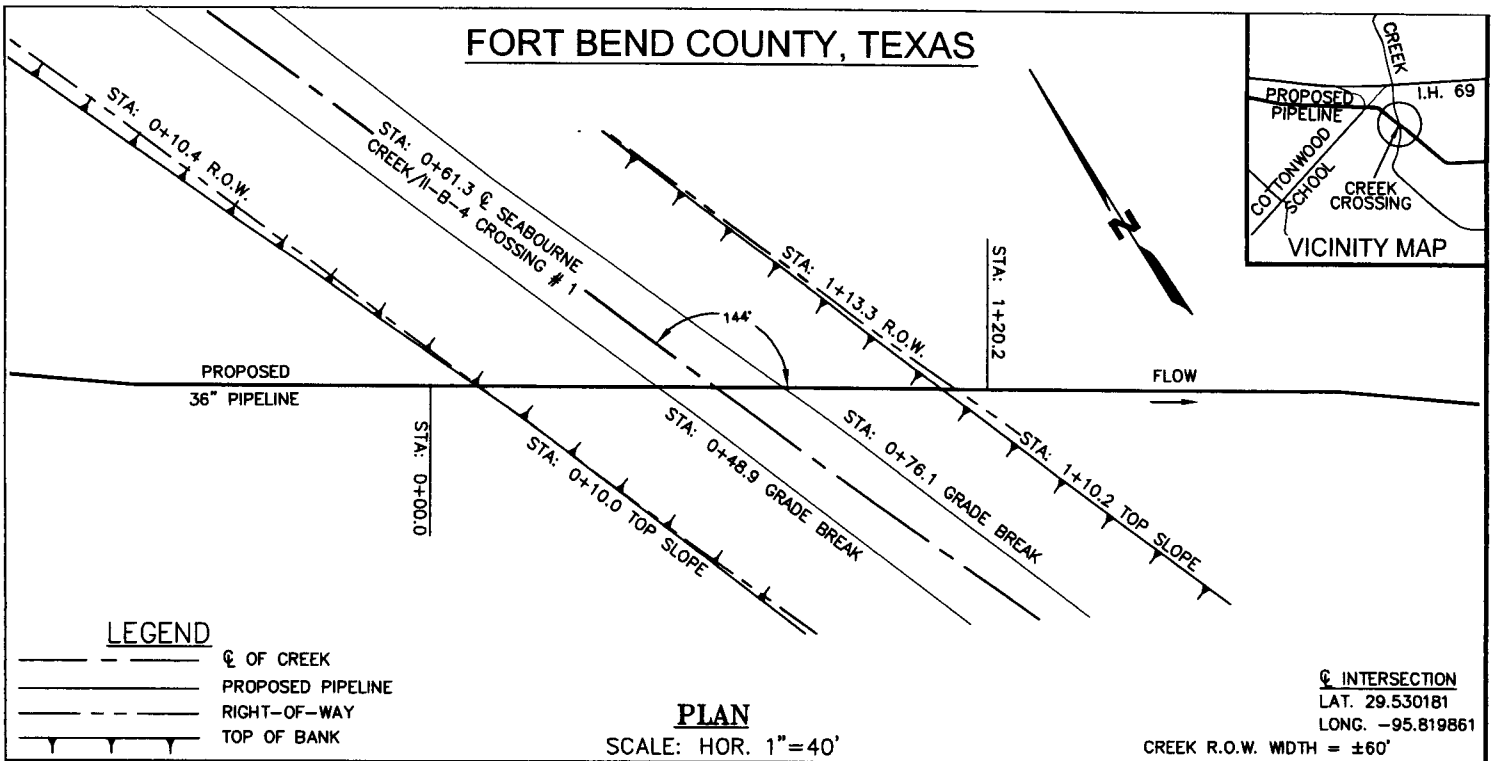


TEXAS FIRM REGISTRATION NO. 10064300

4801 SOUTHWEST PARKWAY
BUILDING TWO, SUITE 100
AUSTIN, TEXAS 78735
OFC: 512.447.0575
FAX: 512.326.3029
EMAIL: INFO@SAM.BIZ

ENTERPRISE CRUDE
PIPELINE LLC
PROPOSED CROSSING DETAIL
SUGAR LAND INDUSTRIES/II-DD CROSSING # 2
RANCHO PIPELINE EXPANSION
DWG. NO.
TX-FB-0055.00031

FORT BEND COUNTY, TEXAS



NOTES:

- HORIZONTAL DATUM: TEXAS COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NAD83 (2007). ALL DISTANCES ARE REPRESENTED IN GRID VALUES, MEASURED IN U.S. SURVEY FEET, AND ARE BASED ON SAID HORIZONTAL DATUM.
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- LINE WILL BE INSTALLED BY OPEN CUT METHOD ONLY UNLESS OTHERWISE APPROVED BY THE COUNTY DRAINAGE INSPECTOR.
- CONTRACTORS: IT IS YOUR RESPONSIBILITY TO CONTACT THE COUNTY DRAINAGE INSPECTOR 48 HOURS PRIOR TO START OF CONSTRUCTION.

PIPE DATA

- PRODUCT: CRUDE OIL
- CARRIER PIPE: 36.000" O.D. X 0.515" MIN W.T., API 5L X-70, PSL2 PIPE W/ 14-16 MILS FBE COATING.
- SEAM JOINT FACTOR=1.0
- MINIMUM TEST PRESSURE: 1,800 PSIG
- MAXIMUM OPERATING PRESSURE: 1,440 PSIG

RANCHO PIPELINE EXPANSION A11140	
JOB NUMBER:	34037
DATE:	4/24/14
SCALE:	1"=40'
SURVEYOR:	D. KINSAUL
TECHNICIAN:	C. LAMB
DRAWING:	TX-FB-0076.00030-SEA CRK1.DWG
TRACT ID:	TX-FB-0076.00030



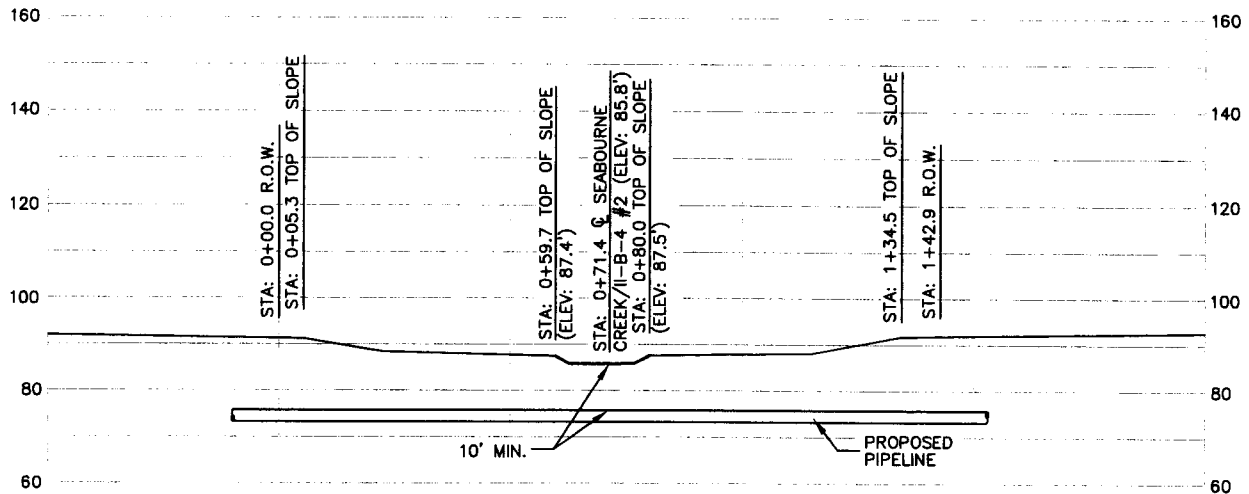
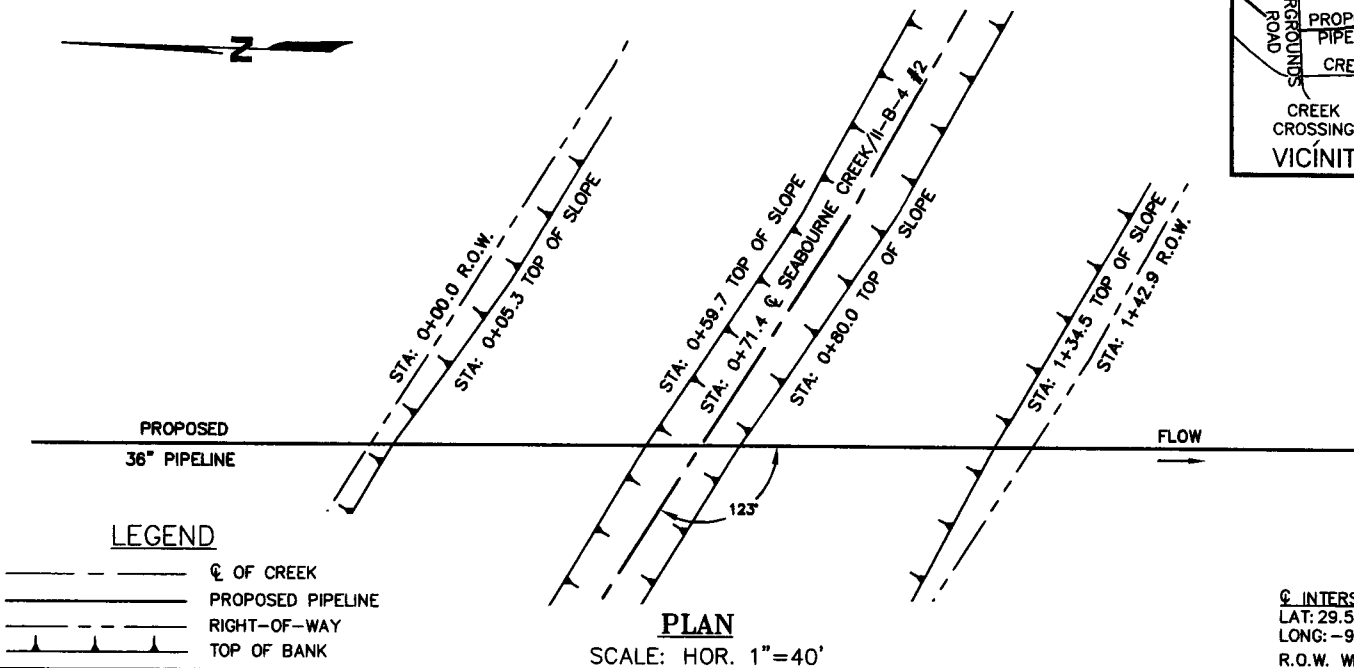
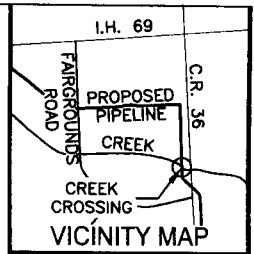
4801 SOUTHWEST PARKWAY
BUILDING TWO, SUITE 100
AUSTIN, TEXAS 78735
OFC: 512.447.0575
FAX: 512.326.3029
EMAIL: INFO@SAM.BIZ

TEXAS FIRM REGISTRATION NO. 10064300

ENTERPRISE CRUDE
PIPELINE LLC
PROPOSED CROSSING DETAIL
SEABOURNE CREEK/II-B-4 CROSSING # 1
RANCHO PIPELINE EXPANSION

DWG. NO.
TX-FB-0076.00030

FORT BEND COUNTY, TEXAS



NOTES:

- HORIZONTAL DATUM: TEXAS COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NAD83 (2007). ALL DISTANCES ARE REPRESENTED IN GRID VALUES, MEASURED IN U.S. SURVEY FEET, AND ARE BASED ON SAID HORIZONTAL DATUM.
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- THIS CROSSING IS DESIGNED AND WILL BE CONSTRUCTED IN ACCORDANCE WITH TITLE 49, CODE OF FEDERAL REGULATIONS, PART 195.
- LINE WILL BE INSTALLED BY OPEN CUT METHOD ONLY UNLESS OTHERWISE APPROVED BY THE COUNTY DRAINAGE INSPECTOR.
- CONTRACTORS: IT IS YOUR RESPONSIBILITY TO CONTACT THE COUNTY DRAINAGE INSPECTOR 48 HOURS PRIOR TO START OF CONSTRUCTION.

PIPE DATA

- PRODUCT: CRUDE OIL
- CARRIER PIPE: 36.000" O.D. X 0.515" MIN W.T., API 5L X-70, PSL2 PIPE W/ 14-16 MILS FBE COATING.
- SEAM JOINT FACTOR=1.0
- MINIMUM TEST PRESSURE: 1,800 PSIG
- MAXIMUM OPERATING PRESSURE: 1,440 PSIG

RANCHO PIPELINE EXPANSION A11140

JOB NUMBER: 34037
DATE: 6/5/2014
SCALE: 1"=40'
SURVEYOR: D. KINSAUL
TECHNICIAN: C. LAMB
DRAWING: TX-FB-0081.10030-SEABOURNE.DWG
TRACT ID: TX-FB-0081.10030



ENTERPRISE CRUDE
PIPELINE LLC



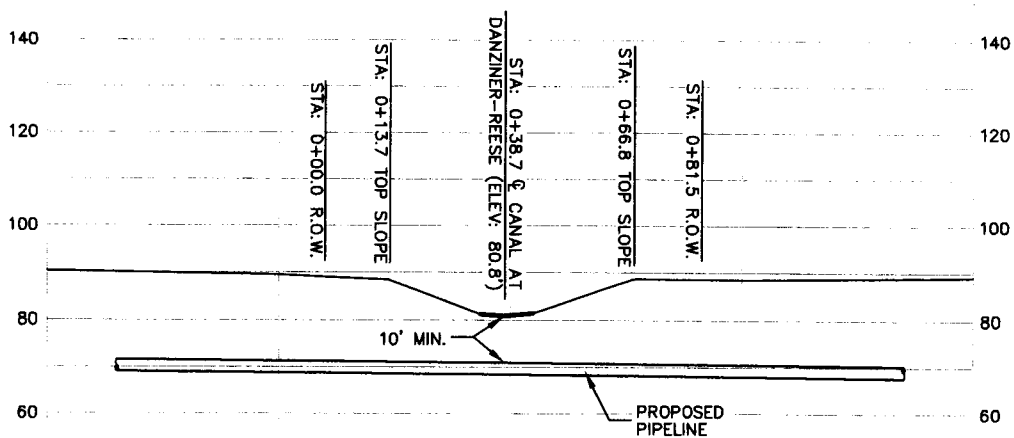
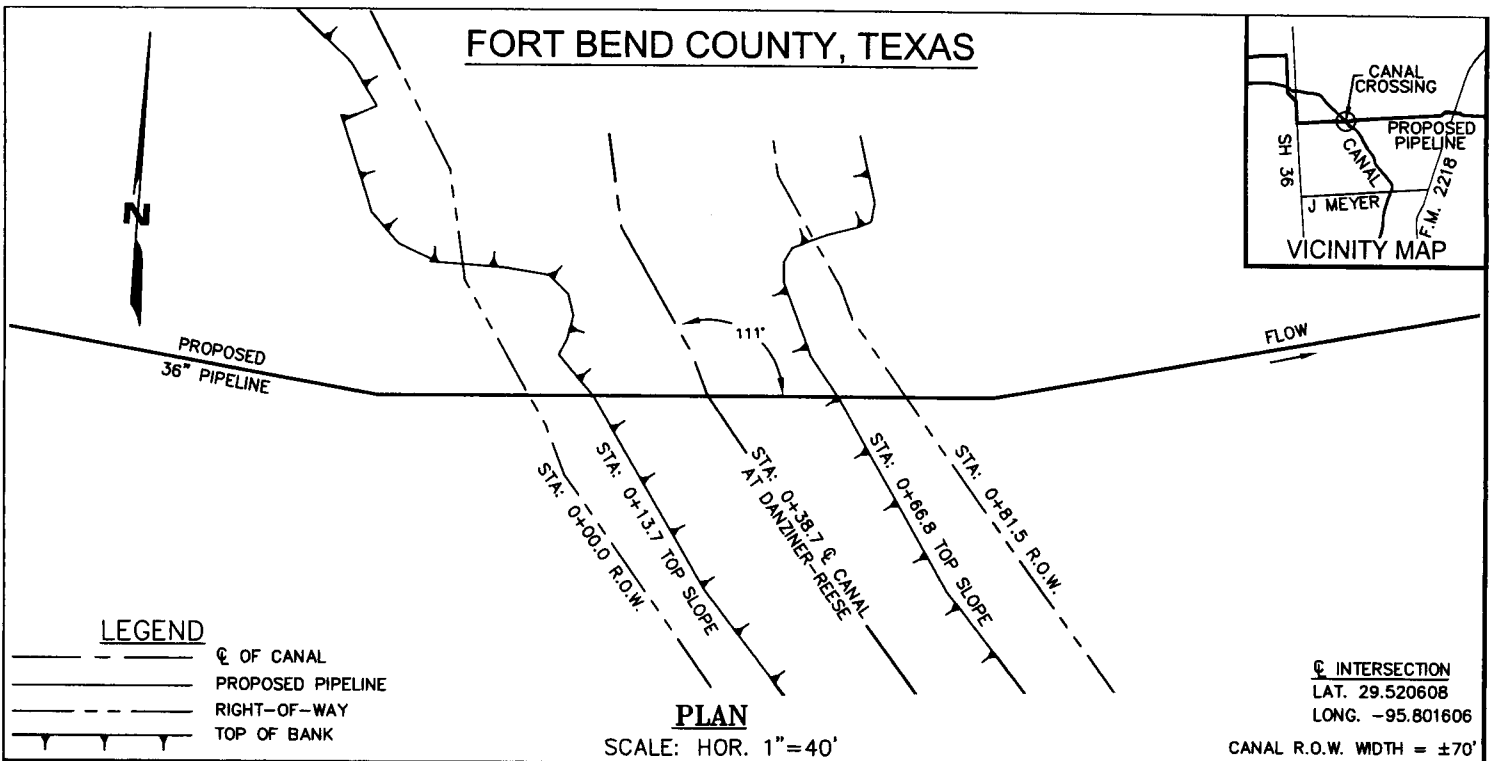
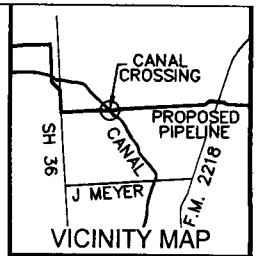
TEXAS FIRM REGISTRATION NO. 10064300

4801 SOUTHWEST PARKWAY
BUILDING TWO, SUITE 100
AUSTIN, TEXAS 78735
OFF: 512.447.0575
FAX: 512.326.3029
EMAIL: INFO@SAM.BIZ

ENTERPRISE CRUDE
PIPELINE LLC
PROPOSED CROSSING DETAIL
SEABOURNE CREEK/II-B-4 #2
RANCHO PIPELINE EXPANSION

DWG. NO.
TX-FB-0081.10030

FORT BEND COUNTY, TEXAS



NOTES:

- HORIZONTAL DATUM: TEXAS COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NAD83 (2007). ALL DISTANCES ARE REPRESENTED IN GRID VALUES, MEASURED IN U.S. SURVEY FEET, AND ARE BASED ON SAID HORIZONTAL DATUM.
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- THIS CROSSING IS DESIGNED AND WILL BE CONSTRUCTED IN ACCORDANCE WITH TITLE 49, CODE OF FEDERAL REGULATIONS, PART 195.
- LINE WILL BE INSTALLED BY OPEN CUT METHOD ONLY UNLESS OTHERWISE APPROVED BY THE COUNTY DRAINAGE INSPECTOR.
- CONTRACTORS: IT IS YOUR RESPONSIBILITY TO CONTACT THE COUNTY DRAINAGE INSPECTOR 48 HOURS PRIOR TO START OF CONSTRUCTION.

PIPE DATA

- PRODUCT: CRUDE OIL
- CARRIER PIPE: 36.000" O.D. X 0.515" MIN W.T., API 5L X-70, PSL2 PIPE W/ 14-16 MILS FBE.
- SEAM JOINT FACTOR=1.0
- MINIMUM TEST PRESSURE: 1,800 PSIG
- MAXIMUM OPERATING PRESSURE: 1,440 PSIG

RANCHO PIPELINE EXPANSION A11140
JOB NUMBER: 34037
DATE: 4/23/14
SCALE: 1"=40'
SURVEYOR: D. KINSAUL
TECHNICIAN: C. LAMB
DRAWING: TX-FB-0086.10030-DANZINER.DWG
TRACT ID: TX-FB-0086.10030



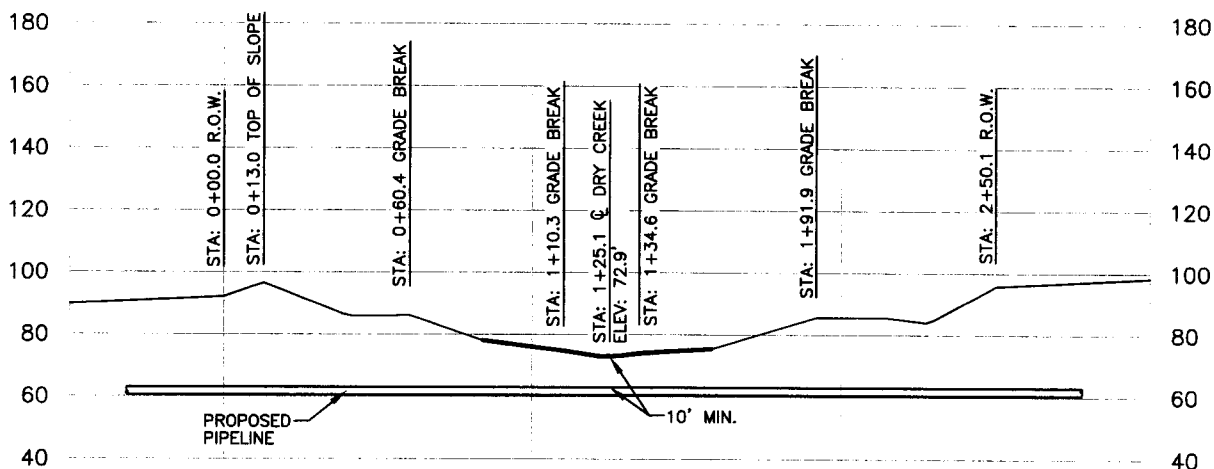
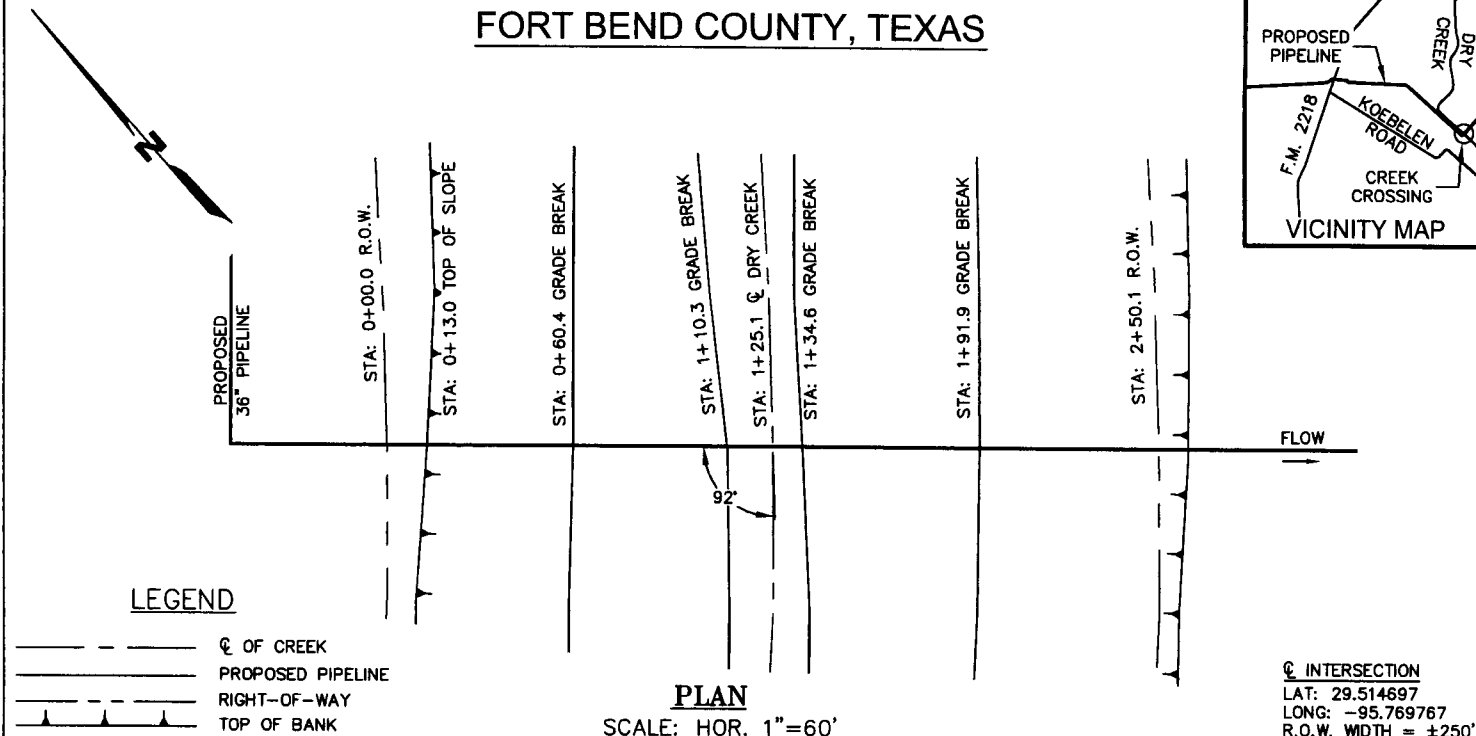
TEXAS FIRM REGISTRATION NO. 10064300

4801 SOUTHWEST PARKWAY
BUILDING TWO, SUITE 100
AUSTIN, TEXAS 78735
OFC: 512.447.0575
FAX: 512.326.3029
EMAIL: INFO@SAM.BIZ

ENTERPRISE CRUDE
PIPELINE LLC
PROPOSED CROSSING DETAIL
CANAL AT DANZINER-REESE
RANCHO PIPELINE EXPANSION

DWG. NO.
TX-FB-0086.10030

FORT BEND COUNTY, TEXAS



NOTES:

1. HORIZONTAL DATUM: TEXAS COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NAD83 (2007). ALL DISTANCES ARE REPRESENTED IN GRID VALUES, MEASURED IN U.S. SURVEY FEET, AND ARE BASED ON SAID HORIZONTAL DATUM.
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4. LINE WILL BE INSTALLED BY OPEN CUT METHOD ONLY UNLESS OTHERWISE APPROVED BY THE COUNTY DRAINAGE INSPECTOR.
5. CONTRACTORS: IT IS YOUR RESPONSIBILITY TO CONTACT THE COUNTY DRAINAGE INSPECTOR 48 HOURS PRIOR TO START OF CONSTRUCTION.

PIPE DATA

1. PRODUCT: CRUDE OIL
2. CARRIER PIPE: 36.000" O.D. X 0.515" MIN W.T., API 5L X-70, PSL2 PIPE W/ 14-16 MILS FBE COATING.
3. SEAM JOINT FACTOR=1.0
4. MINIMUM TEST PRESSURE: 1,800 PSIG
5. MAXIMUM OPERATING PRESSURE: 1,440 PSIG

RANCHO PIPELINE EXPANSION A11140
JOB NUMBER: 34037
DATE: 4/22/2014
SCALE: 1"=60'
SURVEYOR: D. KINSAUL
TECHNICIAN: D. HENDERSON
DRAWING: TX-FB-0101.00030-DRY CREEK.DWG
TRACT ID: TX-FB-0101.00030



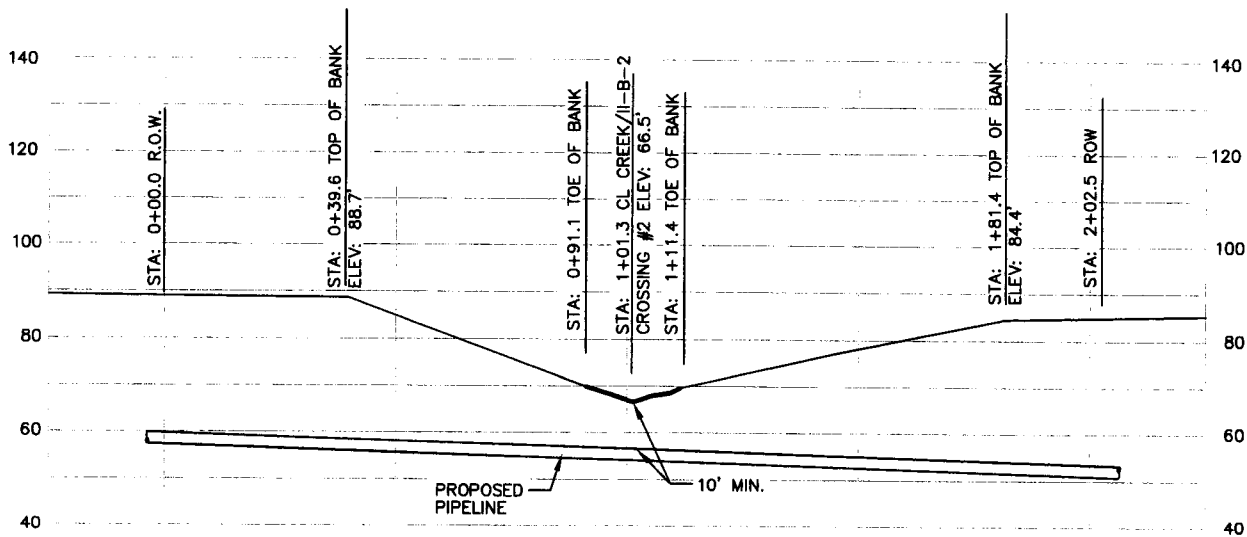
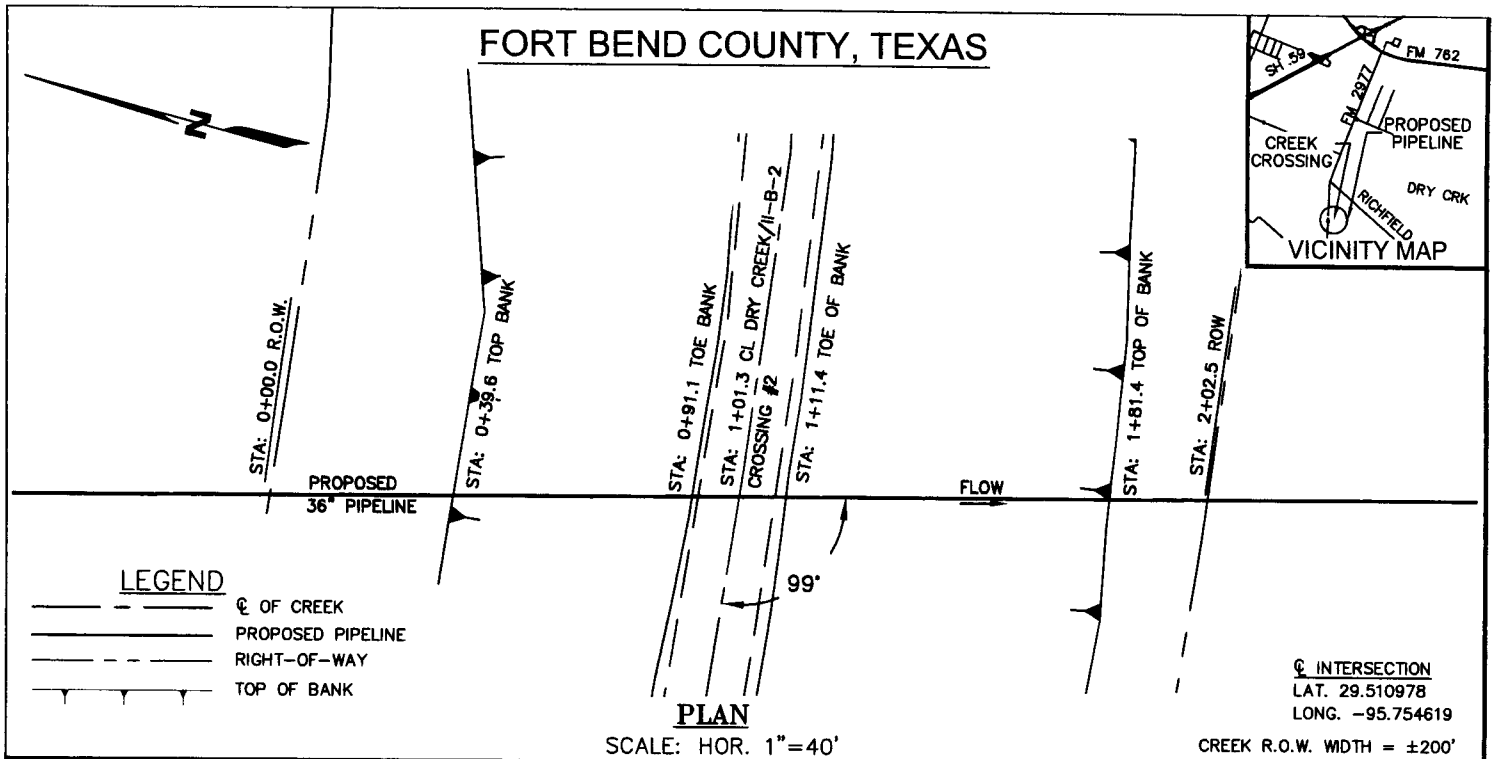
TEXAS FIRM REGISTRATION NO. 10064300

4801 SOUTHWEST PARKWAY
BUILDING TWO, SUITE 100
AUSTIN, TEXAS 78735
OFC: 512.447.0575
FAX: 512.326.3029
EMAIL: INFO@SAM.BIZ

ENTERPRISE CRUDE
PIPELINE LLC
PROPOSED CROSSING DETAIL
DRY CREEK/II-B-2 # 1
RANCHO PIPELINE EXPANSION

DWG. NO.
TX-FB-0101.00030

FORT BEND COUNTY, TEXAS



NOTES:

1. HORIZONTAL DATUM: TEXAS COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NAD83 (2007). ALL DISTANCES ARE REPRESENTED IN GRID VALUES, MEASURED IN U.S. SURVEY FEET, AND ARE BASED ON SAID HORIZONTAL DATUM.
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5. CONTRACTORS: IT IS YOUR RESPONSIBILITY TO CONTACT THE COUNTY DRAINAGE INSPECTOR 48 HOURS PRIOR TO START OF CONSTRUCTION.

PIPE DATA

1. PRODUCT: CRUDE OIL
2. CARRIER PIPE: 36.000" O.D. X 0.515" MIN W.T., API 5L X-70, PSL2 PIPE W/ 14-16 MILS FBE COATING.
3. SEAM JOINT FACTOR=1.0
4. MINIMUM TEST PRESSURE: 1,800 PSIG
5. MAXIMUM OPERATING PRESSURE: 1,440 PSIG

RANCHO PIPELINE EXPANSION A11140
JOB NUMBER: 34037
DATE: 06/06/2014
SCALE: 1"=40'
SURVEYOR: D. KINSAUL
TECHNICIAN: ALM
DRAWING: TX-FB-0103.00030-DRY CRK2.DWG
TRACT ID: TX-FB-0103.00030



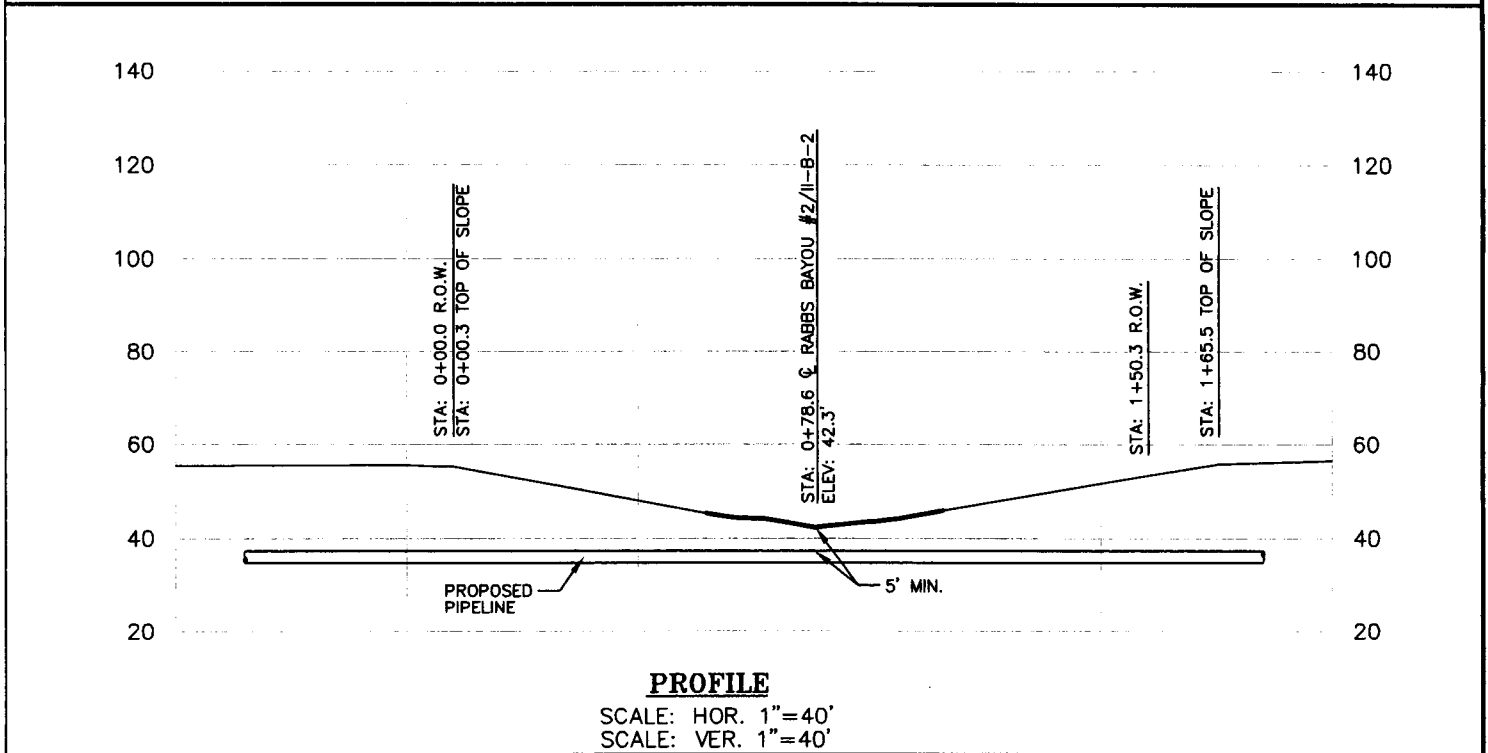
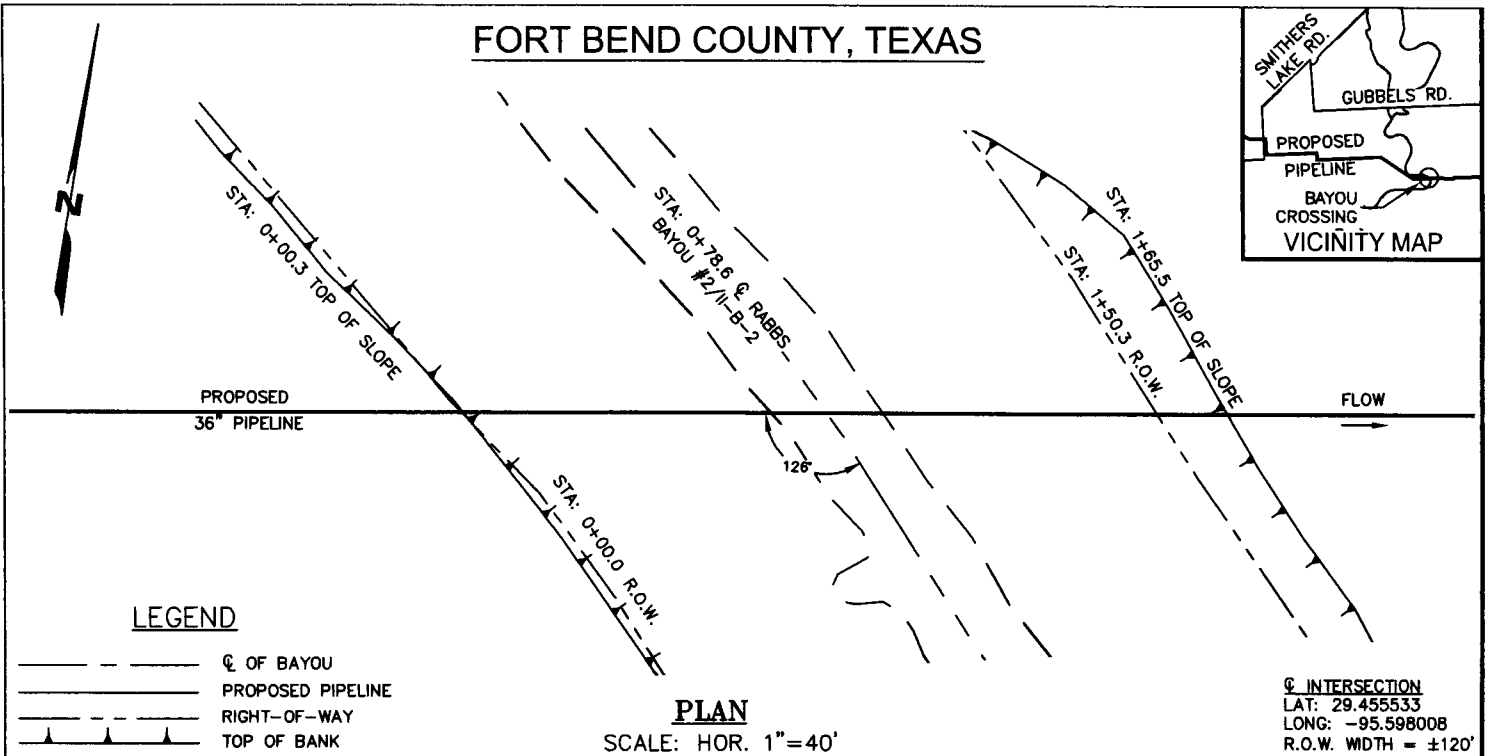
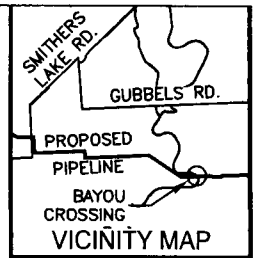
TEXAS FIRM REGISTRATION NO. 10064300

4801 SOUTHWEST PARKWAY
BUILDING TWO, SUITE 100
AUSTIN, TEXAS 78735
OFF: 512.447.0575
FAX: 512.326.3029
EMAIL: INFO@SAM.BIZ

ENTERPRISE CRUDE
PIPELINE LLC
PROPOSED CROSSING DETAIL
DRY CREEK/II-B-2CROSSING #2
RANCHO PIPELINE EXPANSION

DWG. NO.
TX-FB-0103.00030

FORT BEND COUNTY, TEXAS



NOTES:

1. HORIZONTAL DATUM: TEXAS COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NAD83 (2007). ALL DISTANCES ARE REPRESENTED IN GRID VALUES, MEASURED IN U.S. SURVEY FEET, AND ARE BASED ON SAID HORIZONTAL DATUM.
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5. CONTRACTORS: IT IS YOUR RESPONSIBILITY TO CONTACT THE COUNTY DRAINAGE INSPECTOR 48 HOURS PRIOR TO START OF CONSTRUCTION.

PIPE DATA

1. PRODUCT: CRUDE OIL
2. CARRIER PIPE: 36.000" O.D. X 0.515" MIN W.T., API 5L X-70, PSL2 PIPE W/ 14-16 MILS FBE COATING.
3. SEAM JOINT FACTOR=1.0
4. MINIMUM TEST PRESSURE: 1,800 PSIG
5. MAXIMUM OPERATING PRESSURE: 1,440 PSIG

RANCHO PIPELINE EXPANSION A11140
JOB NUMBER: 34037
DATE: 4/22/2014
SCALE: 1"=40'
SURVEYOR: D. KINSAUL
TECHNICIAN: D. HENDERSON
DRAWING: TX-FB-0129.20030-RABBS BAYOU.DWG
TRACT ID: TX-FB-0129.20030



4801 SOUTHWEST PARKWAY
BUILDING TWO, SUITE 100
AUSTIN, TEXAS 78735
OFF: 512.647.0575
FAX: 512.326.3029
EMAIL: INFO@SAM.BIZ

TEXAS FIRM REGISTRATION NO. 10064300

ENTERPRISE CRUDE
PIPELINE LLC
PROPOSED CROSSING DETAIL
RABBS BAYOU #2/II-B-2
RANCHO PIPELINE EXPANSION

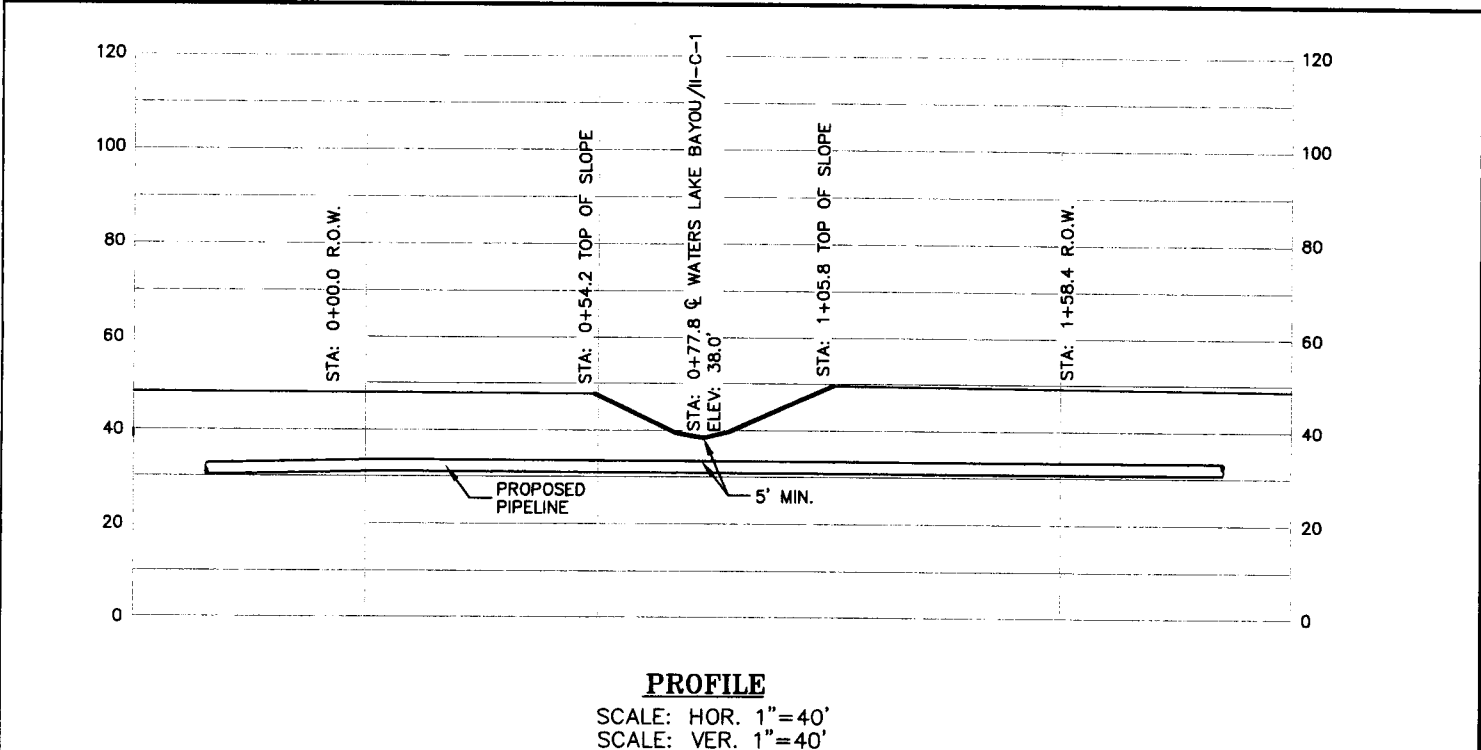
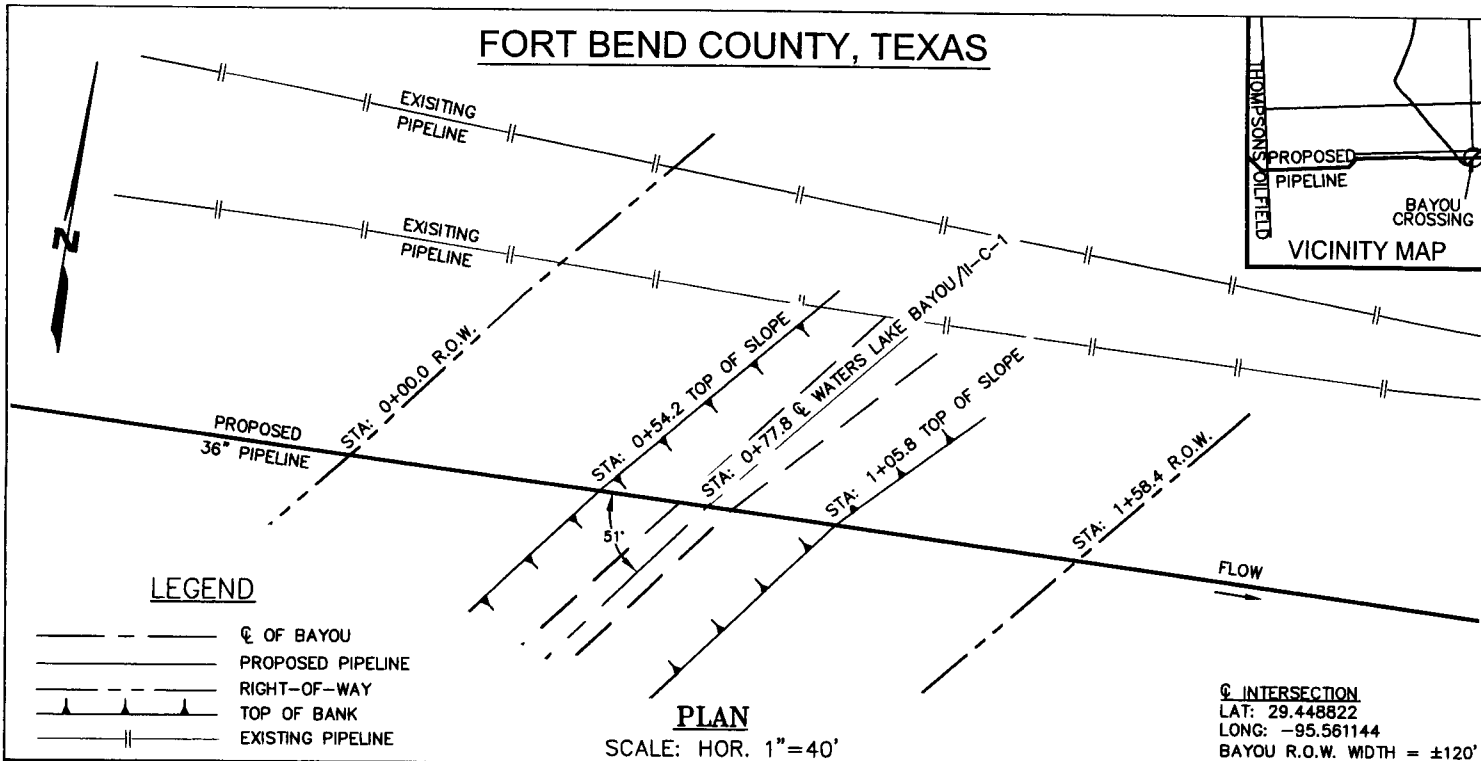
DWG. NO.
TX-FB-0129.20030

PRELIMINARY



DWG. NO.
TX-FB-0131.20031

FORT BEND COUNTY, TEXAS



NOTES:

- HORIZONTAL DATUM: TEXAS COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NAD83 (2007). ALL DISTANCES ARE REPRESENTED IN GRID VALUES, MEASURED IN U.S. SURVEY FEET, AND ARE BASED ON SAID HORIZONTAL DATUM.
- EXISTING UTILITIES ARE SHOWN IN APPROXIMATE LOCATION GENERATED FROM PREVIOUS MAPS AND SURVEY. CONTRACTOR SHALL VERIFY EXACT LOCATION AND ELEVATION OF ALL EXISTING UTILITIES IN THE AREA OF WORK PRIOR TO CONSTRUCTION AND CALL TEXAS ONE CALL SYSTEM AT 1-800-344-8377 AND ALL OTHER UTILITY COMPANIES AT LEAST 2 WORKING DAYS (48 HOURS) PRIOR TO CONSTRUCTION.
- THIS CROSSING IS DESIGNED AND WILL BE CONSTRUCTED IN ACCORDANCE WITH TITLE 49, CODE OF FEDERAL REGULATIONS, PART 195.
- LINE WILL BE INSTALLED BY OPEN CUT METHOD ONLY UNLESS OTHERWISE APPROVED BY THE COUNTY DRAINAGE INSPECTOR.
- CONTRACTORS: IT IS YOUR RESPONSIBILITY TO CONTACT THE COUNTY DRAINAGE INSPECTOR 48 HOURS PRIOR TO START OF CONSTRUCTION.

PIPE DATA

- PRODUCT: CRUDE OIL
- CARRIER PIPE: 36.000" O.D. X 0.515" MIN W.T., API 5L X-70, PSL2 PIPE W/ 14-16 MILS FBE COATING.
- SEAM JOINT FACTOR=1.0
- MINIMUM TEST PRESSURE: 1,800 PSIG
- MAXIMUM OPERATING PRESSURE: 1,440 PSIG

RANCHO PIPELINE EXPANSION A11140
JOB NUMBER: 34037
DATE: 3/21/2014
SCALE: 1"=40'
SURVEYOR: D. KINSAUL
TECHNICIAN: C. MACHALA
DRAWING: TX-FB-0131.20032-WATERS LAKE BAYOU-C-1#2.DWG
TRACT ID: TX-FB-0131.20032

**ENTERPRISE CRUDE
PIPELINE LLC**

SAM
SURVEYING • AERIAL MAPPING • ENGINEERING

TEXAS FIRM REGISTRATION NO. 10064300

**ENTERPRISE CRUDE
PIPELINE LLC**
PROPOSED CROSSING DETAIL
WATERS LAKE BAYOU/II-C-1#2
RANCHO PIPELINE EXPANSION

DWG. NO.
TX-FB-0131.20032