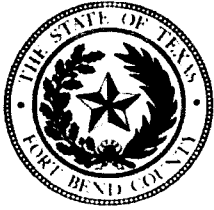


**Fort Bend County  
Engineering Department**  
301 Jackson Suite 401  
Richmond, Texas 77469  
281.633.7500  
[Permits@fortbendcountytexas.gov](mailto:Permits@fortbendcountytexas.gov)

06/15/2018 Original sent to Sean Eglinton, Engineering dept.



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

**Fort Bend County  
Engineering Department**  
301 Jackson Suite 401  
Richmond, Texas 77469  
281.633.7500  
Permits@fortbendcountytx.gov

- ☒ Right of Way Permit  
☐ Commercial Driveway Permit

Permit No: 2018-21024

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.

**(1) COMPLETE APPLICATION FORM:**

- ☒ a. Name of road, street, and/or drainage ditch affected.  
☒ b. Vicinity map showing course of directions  
☒ c. Plans and specifications

**(2) BOND:**

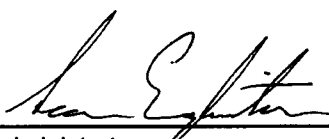
- ☐ County Attorney, approval when applicable.
- ☒ Perpetual bond currently posted.      Bond No: [REDACTED]      Amount: \$50,000.00
- ☐ Performance bond submitted.      Bond No: \_\_\_\_\_      Amount: \_\_\_\_\_
- ☐ Cashier's Check      Check No: \_\_\_\_\_      Amount: \_\_\_\_\_

**(3) DRAINAGE DISTRICT APPROVAL (WHEN APPLICABLE):**

\_\_\_\_\_  
Drainage District Approval

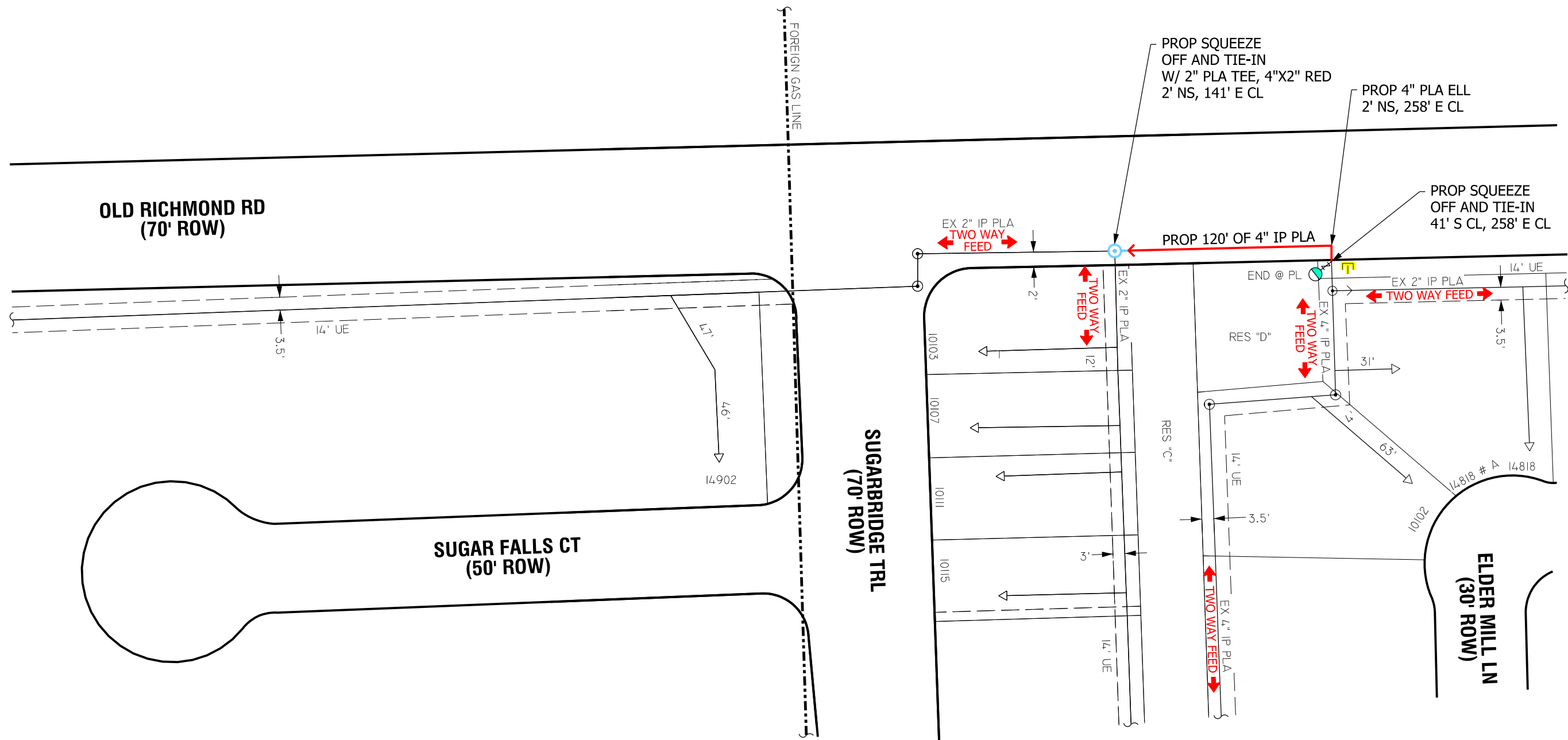
\_\_\_\_\_  
Date

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

  
\_\_\_\_\_  
Permit Administrator

6/1/2018

\_\_\_\_\_  
Date



GENERAL NOTES

1. FIELD VERIFY & LOCATE ALL EXISTING FEEDS, MAINS, AND SERVICES.
2. MAINTAIN MIN DEPTH OF 3' UNLESS OTHERWISE NOTED.
3. TEST PRESSURE @ 100 PSIG IN ACCORDANCE WITH SECTION CS-B-1.220 OF THE CONSTRUCTION & SERVICE MANUAL.
4. USE GAUGES TO MONITOR & MAINTAIN FEEDS, AND PRESSURE.
5. ALL SERVICE LINES MUST HAVE AN EFV OR CURB VALVE INSTALLED IN ACCORDANCE WITH SECTION CS-FORM 1.150 OF THE CONSTRUCTION AND SERVICE MANUAL AND EFV SIZING CHART. CONTACT ENGINEERING FOR ADDITIONAL SIZING RECOMMENDATIONS.
6. CONTACT ENGINEERING (HILARY ELUE AT 713-207-5859) WITH ANY NECESSARY FIELD CHANGES.
7. THIS PROJECT IS SUBJECT TO SEWER LATERAL INSPECTION TO VERIFY CLEARANCE, PER THE OPTIONS STATED IN THE CONSTRUCTION AND SERVICE MANUAL. ENGINEERING WAS UNABLE TO VERIFY THE CLEARANCE WITH MAPS AND RECORDS.

GAS STAKING

JOB NO:	BY:	DATE:
ESMTS. DED. BY:	ESMT. DOCUMENTS:	
MONUMENTATION FND.:	PLAT DIST. CHK.=D:	
ESMTS. NEEDED AT:		
NON-STD. STAKING:	REASON:	

LEGEND AND NOTES

EXISTING MAIN

PROP 4" IP PLA, SDR 11.5  
PE 2406/2708  
WO#:86253582

PROP 5# ZINC ANODE

GCO#:39707

STAKING REQUEST#:86253582

GENERAL NOTES:  
CRITERIA TO BE USED FOR TRACER WIRE SELECTION WHEN INSTALLING PLASTIC GAS LINES  
1- USE #14 TRACER WIRE FOR ALL RESIDENTIAL SERVICE LINES  
2- USE #14 TRACER WIRE FOR SHORT BORES UP TO 300' AND ALL OTHER NON-BORE INSTALLATIONS  
3- USE #10 TRACER WIRE WITH ALL BORES LONGER THAN 300'  
4- USE #8 TRACER WIRE AS NEEDED FOR LARGE BAYOUT CROSSINGS AND OTHER EXTRAORDINARY SITUATIONS AND COMPLEX BORES  
INSPECTOR APPROVAL REQUIRED PRIOR TO WORK

F:30630682	O:30600680	KM:527-V	LAMBERT:4753C2	Z:152	SZ:505	TC:061	SOG:07601
DESIGNED BY: HILARY ELUE	713-207-5859						
ESTIMATED COST: \$	CONTRIBUTION: \$						
NEED DATE: 9/1/2018	COMPLETION DATE:						
PURPOSE AND NECESSITY: THIS CONSTRUCTION IS NECESSARY IN ORDER TO CREATE A TWO WAY FEED							
RECOMMENDED BY:						DATE:	
APPROVED BY: KAILEY LADNER						DATE: 5/17/18	

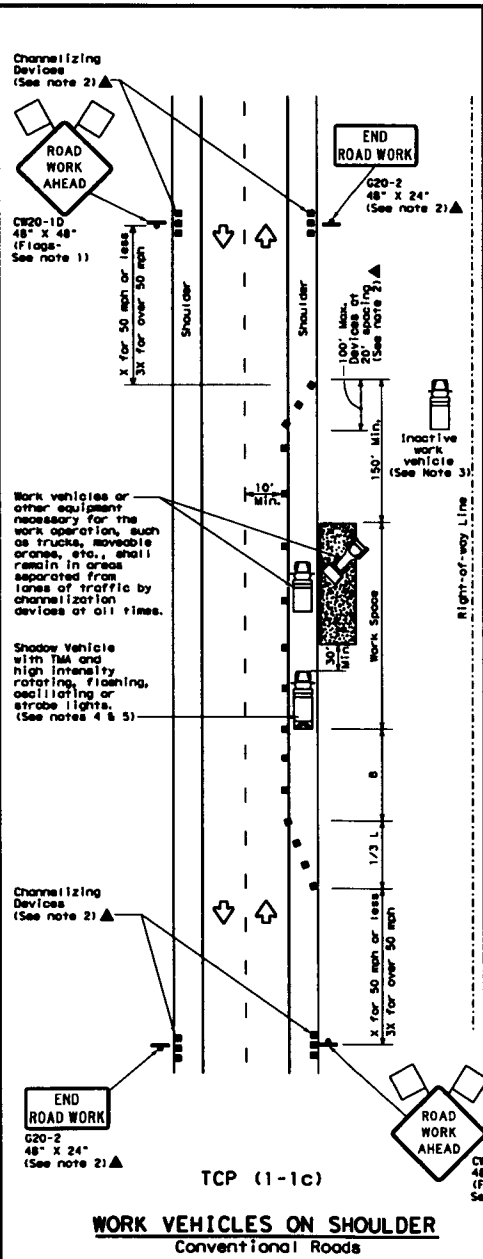
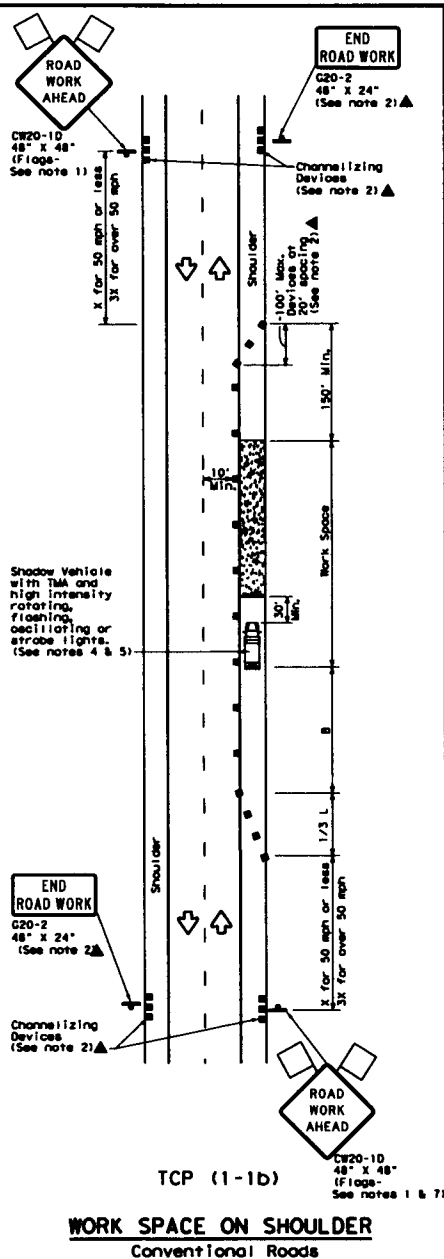
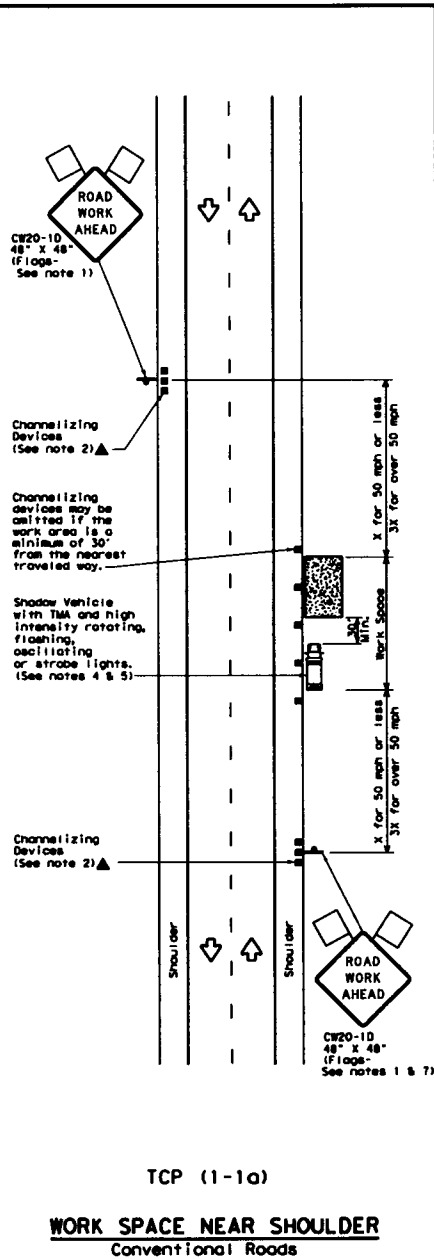
OLD RICHMOND RD TIE-IN  
SUGAR LAND, TEXAS

**CenterPoint**  
**Energy**  
Texas Region - Houston Gas Engineering

DRAWN BY: RJO  
DATE: 5/16/18  
SCALE: 1:60  
SHEET: 1 OF 1  
DWG No: **EC5-18815**

DISCLAIMER: This standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by TxDOT for any purpose whatsoever. TxDOT assumes no responsibility for the conversion of this standard to other formats or for indirect results or damages resulting from its use.

DATE: \_\_\_\_\_  
FILE: \_\_\_\_\_



LEGEND			
	Type 3 Barricade		Channelizing Devices
	Heavy Work Vehicle		Truck Mounted Attenuator (TMA)
	Trailer Mounted Flashing Arrow Board		Portable Changeable Message Sign (PCMS)
	Sign		Traffic Flow
	Flag		Flagger

Posted Speed M	Formula	Minimum Desirable Taper Lengths M			Suggested Maximum Spacing of Channelizing Devices		Minimum Sign Spacing "X"	Suggested Longitudinal Buffer Space "
		10' Offset	11' Offset	12' Offset	On a Taper	On a Tangent	Distance	
30	L = WS 60	150'	165'	180'	30'	60'	120'	90'
35		205'	225'	245'	35'	70'	160'	120'
40		265'	295'	320'	40'	80'	240'	155'
45		450'	495'	540'	45'	90'	320'	195'
50	L = WS	500'	550'	600'	50'	100'	400'	240'
55		550'	605'	660'	55'	110'	500'	295'
60		600'	660'	720'	60'	120'	600'	350'
65		650'	715'	780'	65'	130'	700'	410'
70		700'	770'	840'	70'	140'	800'	475'
75		750'	825'	900'	75'	150'	900'	540'

\* Conventional Roads Only  
\*\* Taper lengths have been rounded off.  
L=Length of Taper (FT) W=Width of Offset (FT) S=Posted Speed (MPH)

TYPICAL USAGE				
MOBILE	SHORT DURATION	SHORT TERM STATIONARY	INTERMEDIATE TERM STATIONARY	LONG TERM STATIONARY
	✓	✓		

- GENERAL NOTES**
- Flags attached to signs where shown are REQUIRED.
  - All traffic control devices illustrated are REQUIRED, except those denoted with the triangle symbol may be omitted when stated elsewhere in the plans, or for routine maintenance work, when approved by the Engineer.
  - Inactive work vehicles or other equipment should be parked near the right-of-way line and not parked on the paved shoulder.
  - A Shadow Vehicle with a TMA should be used anytime it can be positioned 30 to 100 feet in advance of the area of work exposure without adversely affecting the performance or quality of the work. If workers are no longer present but road or work conditions require the traffic control to remain in place, Type 3 Barricades or other channelizing devices may be substituted for the Shadow Vehicle and TMA.
  - Additional Shadow Vehicles with TMAs may be positioned off the paved surface, next to those shown in order to protect wider work spaces.
  - See TCP 15-11 for shoulder work on divided highways, expressways and freeways.
  - CW21-5 "SHOULDER WORK" signs may be used in place of CW20-10 "ROAD WORK AHEAD" signs for shoulder work on conventional roadways.

Texas Department of Transportation  
Traffic Operations Division Standard

# TRAFFIC CONTROL PLAN CONVENTIONAL ROAD SHOULDER WORK

TCP (1-1)-18

PLAN: TCP-1-18.dgn	DATE: December 1985	BY: [Signature]	CHECKED: [Signature]	DESIGNED: [Signature]	REVIEWED: [Signature]
REVISIONS:	2-94 4-98	0-96 2-12	1-97 2-18		