



**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

<input checked="" type="checkbox"/>	Right of Way Permit
<input type="checkbox"/>	Commercial Driveway Permit

Permit No: 2018-19834

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:

- | | |
|-------------------------------------|--|
| <input checked="" type="checkbox"/> | a. Name of road, street, and/or drainage ditch affected. |
| <input checked="" type="checkbox"/> | b. Vicinity map showing course of directions |
| <input checked="" type="checkbox"/> | c. Plans and specifications |

(2) BOND:

<input type="checkbox"/>	County Attorney, approval when applicable.		
<input checked="" type="checkbox"/>	Perpetual bond currently posted.	Bond No: [REDACTED]	Amount: \$50,000.00
<input type="checkbox"/>	Performance bond submitted.	Bond No: _____	Amount: _____
<input type="checkbox"/>	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.

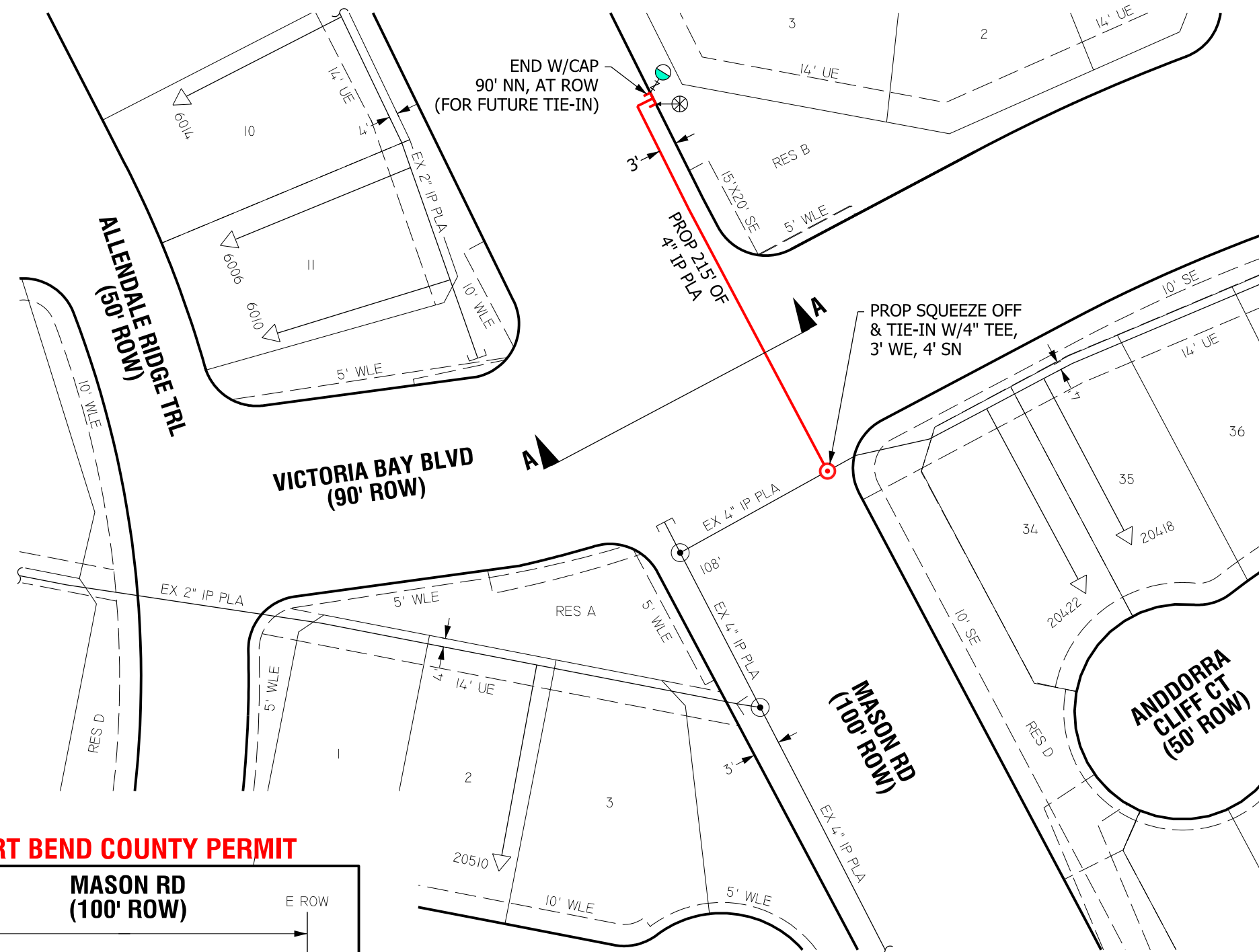
Rick J. Staigle, PE, PTOE

Permit Administrator

4/23/2018

Date

By: _____
Deputy



GAS STAKING

JOB NO: _____ BY: _____ DATE: _____

ESMTS. DED. BY:_____ ESMT. DOCUMENTS:_____

MONUMENTATION FND.:_____ PLAT DISTS. CHK.=D:_____

ESMTS. NEEDED AT:_____

NON-STD. STAKING:_____ REASON:_____

LEGEND AND NOTES

EXISTING MAIN

PROP 4" IP PLA MAIN
SDR 11.5, PE 2406/2708
WO#: 85028353

PROP 5# ZINC ANODE

PROP MARKER BALL

PERMIT: HARRIS COUNTY

GCO#: FORT BEND COUNTY

STAKING REQUEST#: 85028353

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 BAYOU CROSSINGS AND OTHER EXTRAORDINARY SITUATIONS AND COMPLEX BORES
- INSPECTOR APPROVAL REQUIRED PRIOR TO WORK

F:30330684	O:30240680	KM:526-S	LAMBERT:4553A3	Z:152	SZ:078	TC:N/A	SOG:08850
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DESIGNED BY: SERGIO CORONA

713-207-5862

DATE NEEDED:

ESTIMATED COST: \$

START DATE:

CONTRIBUTION: \$

ESTIMATED COMPLETE DATE:

CONTRIBUTION: \$	

ESTIMATED COMPLETE DATE:	
PURPOSE AND NECESSITY: TO SERVE 00 LOTS IN TOWN NAME, COUNTY NAME	

RECOMMENDED BY:

DATE: _____

APPROVED BY:

DATE: _____

FIELDSTONE SECTION 15
PERMIT DRAWING
RICHMOND, TX



Texas Region - Houston Gas Engineering

DRAWN BY: JOHN CROWELL

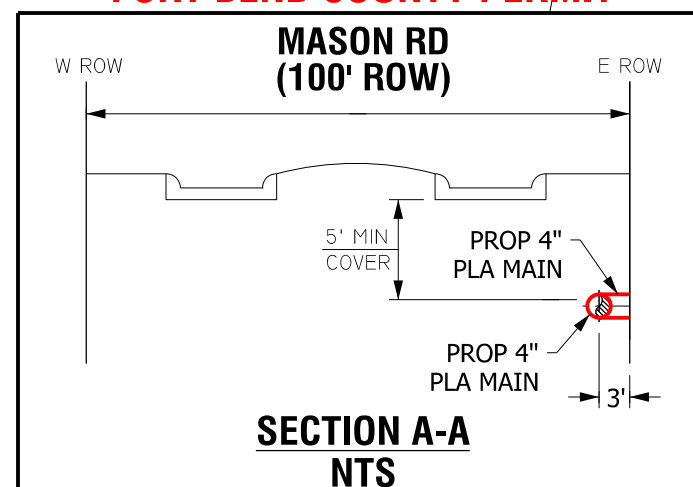
DATE: 02/16/2018

SCALE: 1:60

SHEET: 1 OF 1

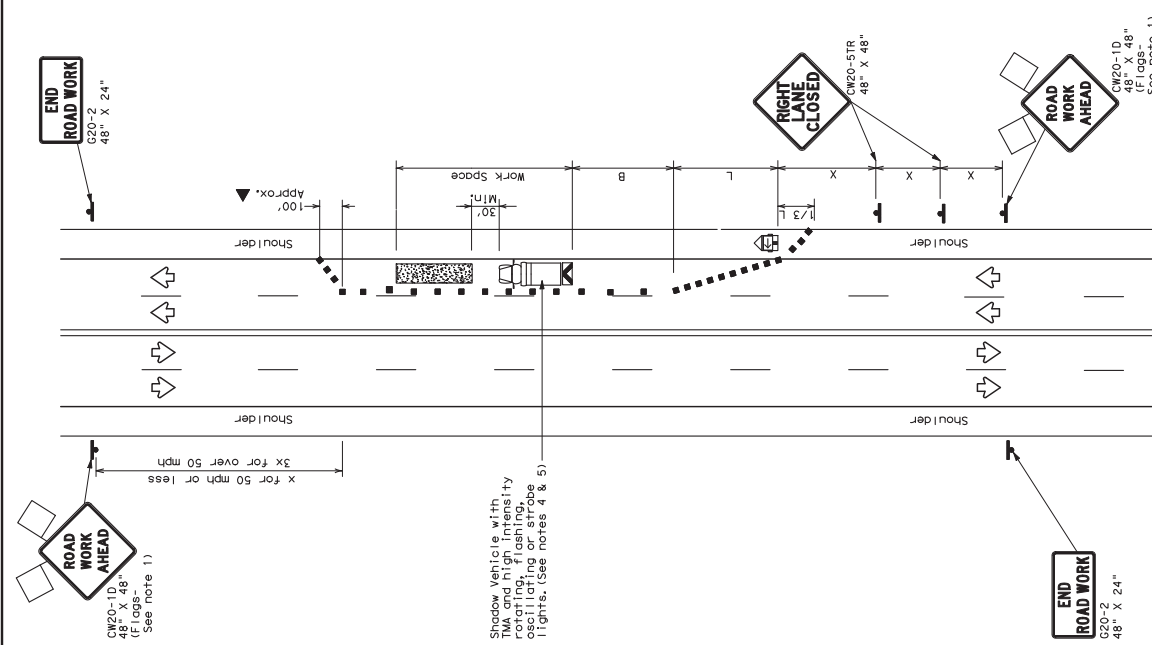
DWG No: **EB4-18241**

FORT BEND COUNTY PERMIT



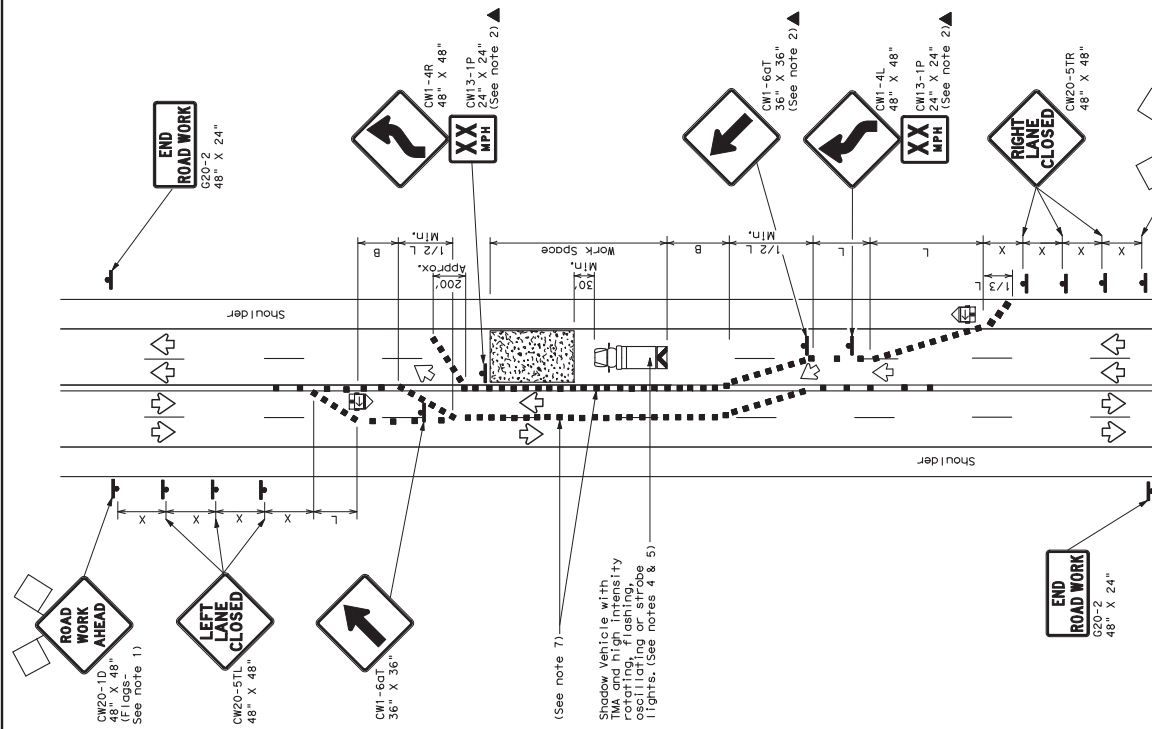
GENERAL NOTES

1. FIELD VERIFY & LOCATE ALL EXISTING FEEDS, MAINS, AND SERVICES.
2. MAINTAIN MIN DEPTH OF 3' UNLESS OTHERWISE NOTED.
3. USE GAUGES TO MONITOR & MAINTAIN FEEDS, AND PRESSURE.
4. CONTACT ENGINEERING (SERGIO CORONA AT 713-207-5862) WITH ANY NECESSARY FIELD CHANGES.
5. TEST PRESSURE @ 100 PSIG IN ACCORDANCE WITH SECTION CS-B-1.220 OF THE CONSTRUCTION & SERVICE MANUAL.



TCP (1-4a)

ONE LANE CLOSED



TCP (1-4b)

TWO LANES CLOSED

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

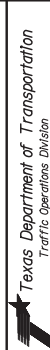
Posted Speed *	Formula	Minimum Taper Lengths * X	Suggested Maximum Spacing of Channelizing Devices	Minimum Sign Spacing	Suggested Minimum Buffer Space "B"
30	WS ²	10' 11' 12'	On a Taper	On a Tangent	On a Tangent
35	L = WS ²	150' 165' 180'	30'	60'	120'
40	L = WS ²	205' 225' 245'	35'	70'	160'
45	L = WS ²	265' 295' 320'	40'	80'	240'
50	L = WS ²	450' 495' 540'	45'	90'	320'
55	L = WS ²	500' 550' 600'	50'	100'	400'
60	L = WS ²	550' 605' 660'	55'	110'	500'
65	L = WS ²	600' 660' 720'	60'	120'	600'
70	L = WS ²	650' 715' 780'	65'	130'	700'
75	L = WS ²	700' 770' 840'	70'	140'	800'
		750' 825' 900'	75'	150'	900'

* 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 TERM STATIONARY	LONG TERM STATIONARY
	✓	

- GENERAL NOTES
1. Flags attached to signs where shown are REQUIRED.
 2. 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.
 3. The CW20-1D "ROAD WORK AHEAD" sign may be replaced if the work zone is less than 300 feet in length.
 4. A Shadow Vehicle with a TMA should be used on any lane it can be positioned 30 to 100 feet in advance of the area of crew 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 and TMA may be substituted for the Shadow Vehicle and TMA.
 5. All traffic control devices with TMA may be positioned off the paved surface, next to those shown in order to protect wider work spaces.

- TCP (1-4a)
6. If this TCP is used for a left lane closure, CW20-5TL "LEFT LANE CLOSED" signs shall be used and channelizing devices shall be placed on the centerline where needed to protect the work space from opposing traffic with the arrow panel placed in the closed lane near the end of the taper.
- TCP (1-4b)
7. Where traffic is directed over a yellow centerline, channelizing devices which separate two-way traffic should be spaced on tapers at 20' or 15' if posted speeds are 35 mph or slower, and for tangent sections, at 1/25' where posted speeds are 40 mph or slower. The spacing shall be intended for the areas of conflicting markings, not the entire work zone.



Texas Department of Transportation
Traffic Operations Division

TRAFFIC CONTROL PLAN
LANE CLOSURES ON MULTILANE
CONVENTIONAL ROADS

TCP (1-4) - 12

REVISIONS	DATE	BY	APP'D
2-94	1-12		
8-95			
1-97			
4-98			

For construction or maintenance of a project, specific project requirements for shadow vehicles shall be included in the project GENERAL NOTES for Item 502, Barricades, Signs and Traffic Control Handling.

DATE	FILE	SHEET NO.
154		