



**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: 2017-15399

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

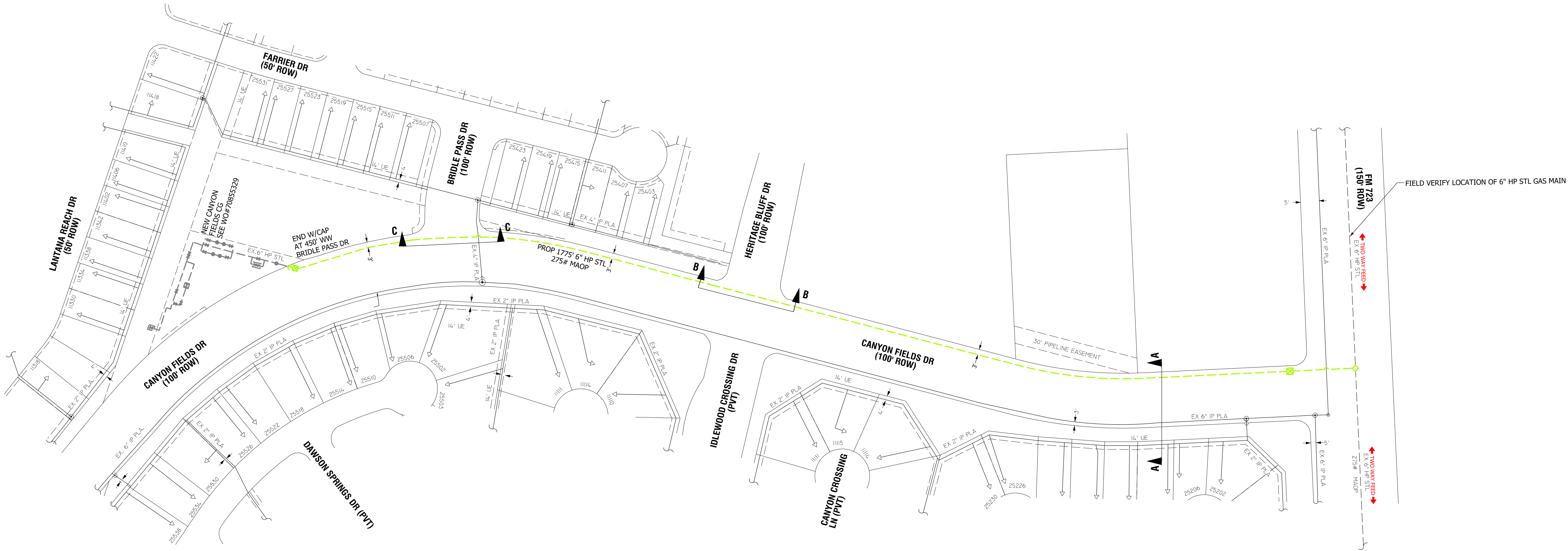
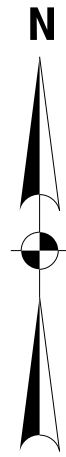
We have reviewed this project and agree it meets minimum requirements.

Charles O. Ay

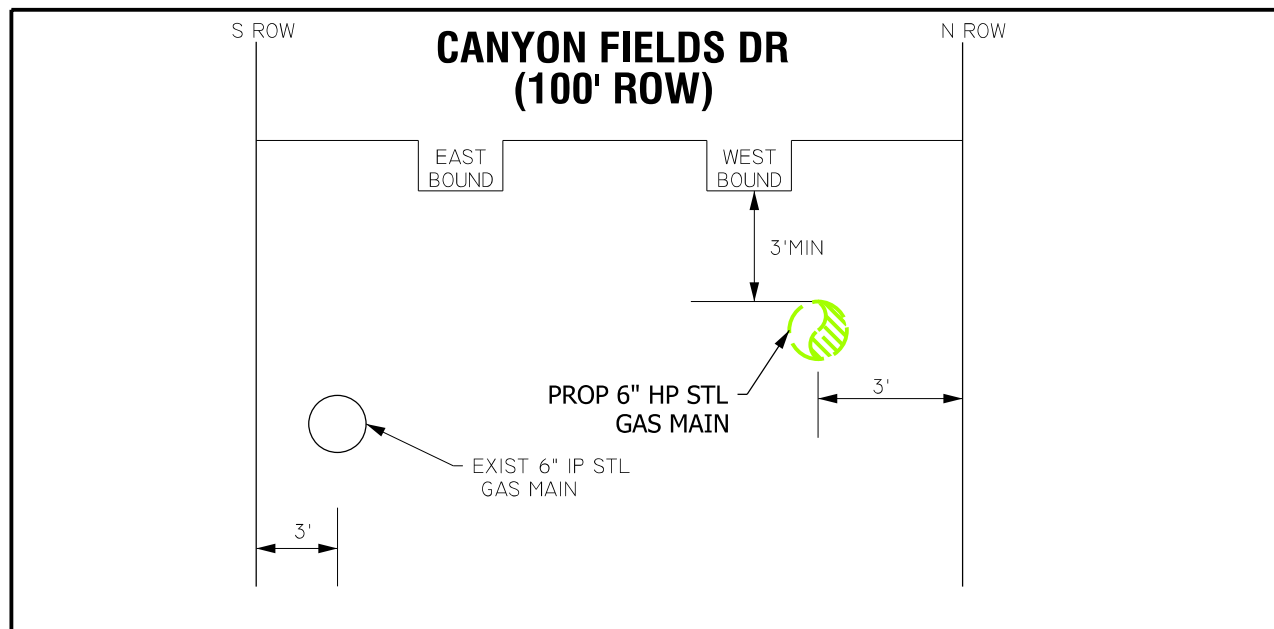
Permit Administrator

01/26/2018

Date

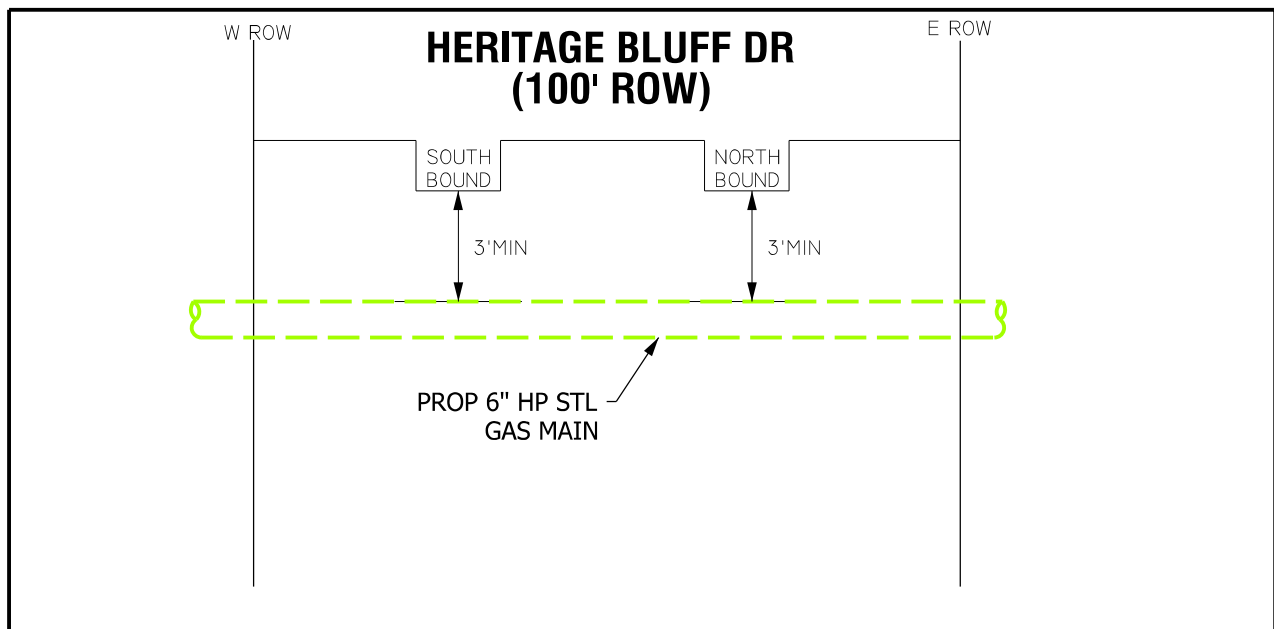


SECTION A-A
PROFILE VIEW LOOKING WEST



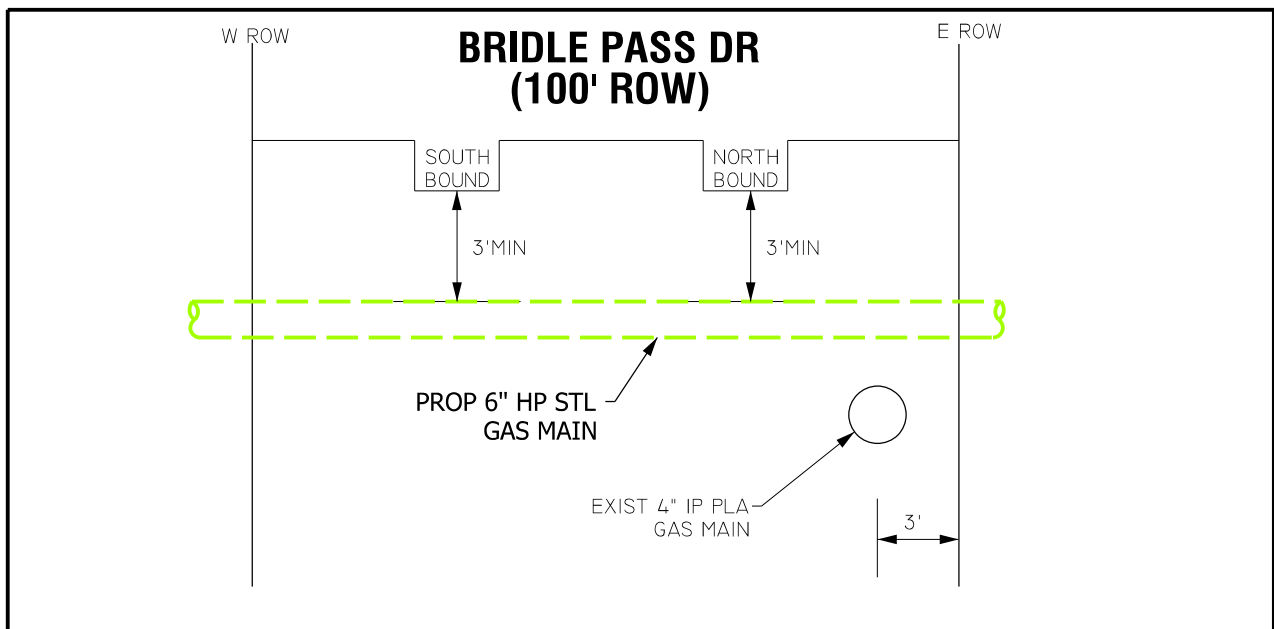
NOT TO SCALE

SECTION B-B
PROFILE VIEW LOOKING NORTH



NOT TO SCALE

SECTION C-C
PROFILE VIEW LOOKING NORTH



NOT TO SCALE

GENERAL NOTES

1. USE GAUGES TO MONITOR & MAINTAIN FEEDS & PRESSURE.
2. FIELD LOCATE & VERIFY ALL EXISTING FEEDS, MAINS & SERVICES.
3. MAINTAIN A MINIMUM DEPTH OF 3' UNLESS OTHERWISE NOTED.

FORT BEND COUNTY

LEGEND AND NOTES

EXISTING HP MAIN

PROP 6" HP STL, 6.625" O.D., 0.188" WT, API 5L X52
WO#178881577

TEST PRESSURE 415 PSIG
AT 275# MAOP, 6" HP STL @ 9.32% SMYS

GCO#136320

STAKING REQUEST#178881577

PROP 32# MAG ANODE

F:30090688	O:30000688	KM:524-L	LAMBERT:4354C1	Z:	SZ:503	TC:000	SOG:07601
DESIGNED BY: RACHEL FREEMAN	7/5-207-4/61	CONTRIBUTION: \$					
ESTIMATED COST:							
START DATE:		COMPLETION DATE: 10/1/2017					
PURPOSE AND NECESSITY: TO TIE-IN NEW CANYON FIELDS CG TO THE EX. DISTRIBUTION SYSTEM.							
RECOMMENDED BY:	KAILEY LADNER			DATE:	10/24/2016		
APPROVED BY:	LYDIA MARES			DATE:	10/25/2016		
	BRENT KOYIM			DATE:	10/25/2016		

CANYON FIELDS DR
6" HP MAIN EXTENSION
RICHMOND, TEXAS



DRAWN BY: BECKY PEREZ

DATE: 07/11/2016

SCALE: 1"=100'

SHEET: 1 OF 1

DWG NO: ED5-16592

TRAFFIC CONTROL PLAN SECTION SHALL BE COMPLETED BY ENGINEER

ROADWAY	POSTED SPEED	TAPER LENGTH	SPACING	CHANGING DENSITIES	SIGN SPACING	BUFFER SPACE
			TAPER	TAPER	TAPER	

LEGEND

Type 3 Barricade	Channelizing Device
Heavy Work Vehicle	Truck Mounted Attenuator (TMA)
Tractor Mounted Warning Arrow Board	Portable Changeable Message Sign (PCMS)
Sign	Traffic Flow
Flag	Flagger

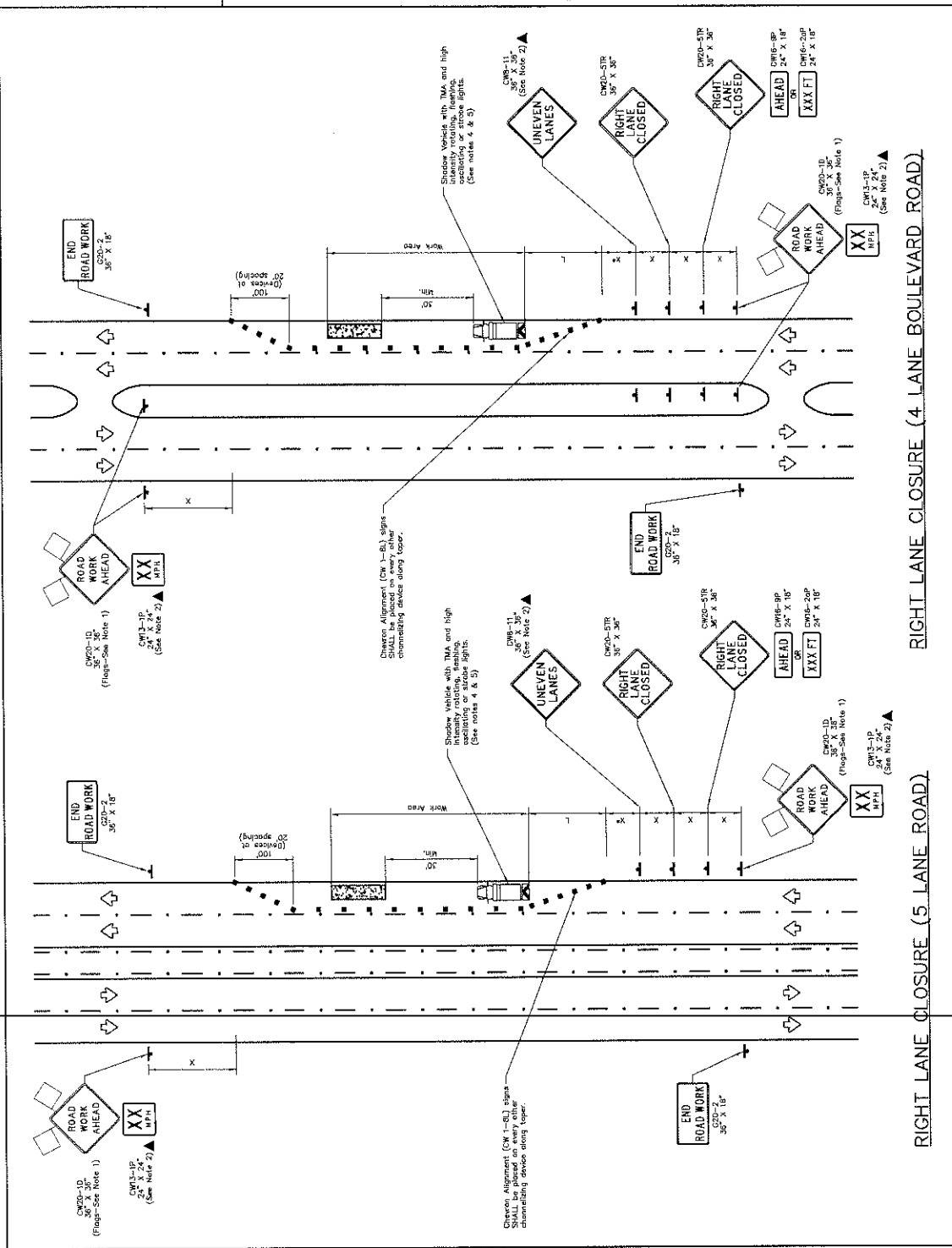
Posted Speed	Formula	Minimum Taper Length L	Spacing of Channelizing Devices	Minimum Sign Spacing	Suggested Maximum Spacing of Channelizing Devices	Suggested Maximum Spacing of Signs	Suggested Maximum Spacing of Buffers
30	$L = 10 \left(\frac{V}{S} \right)^2$	17'	On a 10' spacing	On a 10' spacing	On a 10' spacing	On a 10' spacing	On a 10' spacing
35	$L = 10 \left(\frac{V}{S} \right)^2$	22'	On a 10' spacing	On a 10' spacing	On a 10' spacing	On a 10' spacing	On a 10' spacing
40	$L = 10 \left(\frac{V}{S} \right)^2$	28'	On a 10' spacing	On a 10' spacing	On a 10' spacing	On a 10' spacing	On a 10' spacing
45	$L = 10 \left(\frac{V}{S} \right)^2$	35'	On a 10' spacing	On a 10' spacing	On a 10' spacing	On a 10' spacing	On a 10' spacing
50	$L = 10 \left(\frac{V}{S} \right)^2$	42'	On a 10' spacing	On a 10' spacing	On a 10' spacing	On a 10' spacing	On a 10' spacing
55	$L = 10 \left(\frac{V}{S} \right)^2$	50'	On a 10' spacing	On a 10' spacing	On a 10' spacing	On a 10' spacing	On a 10' spacing
60	$L = 10 \left(\frac{V}{S} \right)^2$	58'	On a 10' spacing	On a 10' spacing	On a 10' spacing	On a 10' spacing	On a 10' spacing
65	$L = 10 \left(\frac{V}{S} \right)^2$	67'	On a 10' spacing	On a 10' spacing	On a 10' spacing	On a 10' spacing	On a 10' spacing
70	$L = 10 \left(\frac{V}{S} \right)^2$	77'	On a 10' spacing	On a 10' spacing	On a 10' spacing	On a 10' spacing	On a 10' spacing
75	$L = 10 \left(\frac{V}{S} \right)^2$	87'	On a 10' spacing	On a 10' spacing	On a 10' spacing	On a 10' spacing	On a 10' spacing
**	Conventional Roads Only	750'	825'	900'	975'	1050'	1125'

** Taper lengths have been rounded off.

L=Length of Taper (FT) W=Width of Other (FT) S=Suggested Speed (MPH)

GENERAL NOTES

1. Plans intended to show where signs are REQUIRED, except those denoted with "OPTIONAL".
2. All traffic control devices illustrated are REQUIRED, except those denoted with "OPTIONAL".
3. Traffic control devices or other equipment should be placed near the right-of-way edge and not placed on the paved shoulder.
4. Right-of-way edge and not placed on the paved shoulder.
5. Traffic control devices or other equipment should be placed near the right-of-way edge and not placed on the paved shoulder.
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7. Traffic control devices or other equipment should be placed near the right-of-way edge and not placed on the paved shoulder.
8. Traffic control devices or other equipment should be placed near the right-of-way edge and not placed on the paved shoulder.
9. Traffic control devices or other equipment should be placed near the right-of-way edge and not placed on the paved shoulder.
10. Traffic control devices or other equipment should be placed near the right-of-way edge and not placed on the paved shoulder.



PROJECT TITLE		PROJECT NO.	
HARRIS COUNTY ENGINEERING DEPARTMENT		HARRIS COUNTY ENGINEERING DEPARTMENT	
NO.	REVISIONS	DATE	NAME
1	UPDATED DEPARTMENT NAME & GENERAL NOTES	4/18/13	BSH
STREET DESCRIPTION: TRAFFIC CONTROL PLAN (RIGHT LANE CLOSURE)		SHEET NO.	
DATE: 6/26/14		APPROVED BY:	

Approval Form
Online version 11/2005

APPROVAL

To Fabian Soto-caicedo

CenterPoint Energy
1111 Louisiana, 22nd Floor
Houston, TX 77002

Date 11/27/2017

Application No. HOU20170721070337
District App. No. 17-6838
Highway FM 0723
Control Section 018809
Maintenance Section Fort Bend
County Fort Bend

TxDOT offers no objection to the location on the right-of-way of your proposed utility installation, as described by Notice of Proposed Utility Installation No. HOU20170721070337 (District Application No. 17-6838) dated 11/27/2017 and accompanying documentation, except as noted below.

Coordinate construction / traffic control plans with the nearest TxDOT Maintenance Office. TxDOT is not a member of 811, and must be contacted separately at (713) 802-5662 to locate TxDOT-owned cabling and conduit. In addition, please ensure compliance with the additional pages attached to this form.

When installing utility lines on controlled access highways, your attention is directed to governing laws, especially to Texas Transportation Code, Title 6, Chapter 203, pertaining to Modernization of State Highways; Controlled Access Highways. Access for serving this installation shall be limited to access via (a) frontage roads where provided, (b) nearby or adjacent public roads or streets, (c) trails along or near the highway right-of-way lines, connecting only to an intersecting roads; from any one or all of which entry may be made to the outer portion of the highway right-of-way for normal service and maintenance operations. The Installation Owner's rights of access to the through-traffic roadways and ramps shall be subject to the same rules and regulations as apply to the general public except, however, if an emergency situation occurs and usual means of access for normal service operations will not permit the immediate action required by the Utility Installation Owner in making emergency repairs as required for the safety and welfare of the public, the Utility Owners shall have a temporary right of access to and from the through-traffic roadways and ramps as necessary to accomplish the required emergency repairs, provided TxDOT is immediately notified by the Utility Installation Owner when such repairs are initiated and adequate provision is made by the Utility Installation Owner for convenience and safety of highway traffic.

The installation shall not damage any part of the highway and adequate provisions must be made to cause minimum inconveniences to traffic and adjacent property owners. In the event the Installation Owner fails to comply with any or all of the requirements as set forth herein, the State may take such action as it deems appropriate to compel compliance.

It is expressly understood that the TxDOT does not purport, hereby, to grant any right, claim, title, or easement in or upon this highway; and it is further understood that the TxDOT may require the Installation Owner to relocate this line, subject to provisions of governing laws, by giving thirty (30) days written notice.

If construction has not started within six (6) months of the date of this approval, the approval will automatically expire and you will be required to submit a new application. You are also requested to notify this office prior to commencement of any routine or periodic maintenance which requires pruning of trees within the highway right-of-way, so that we may provide specifications for the extent and methods to govern in trimming, topping, tree balance, type of cuts, painting cuts and clean up. These specifications are intended to preserve our considerable investment in highway planting and beautification, by reducing damage due to trimming.

Special Provisions:
ExtraProvisions Rev20170810

You are required to notify TxDOT 48 hours (2 business days) before you start construction to allow for proper inspection and coordination of work days and traffic control plans. Use the UIR website for the 48-hour notification. DO NOT start construction until you have coordinated the construction start date and inspection with TxDOT. You are also required to keep a copy of this Approval, the Notice of Proposed Installation, and any approved amendments at the job site at all times.

	Texas Department of Transportation
By	Samir Goel
Title	Permits Supervisor
District	Houston

ADDITIONAL SPECIAL PROVISIONS FOR HOUSTON DISTRICT UTILITY PERMITS

REVISED AUGUST 10, 2017

- The Texas Department of Transportation (TxDOT) is not a member of 811. At least 72 hours before starting work, make arrangements for locating existing TxDOT-owned above ground and underground fiber optic, communications, power, illumination, and traffic signal cabling and conduit. Do this by calling TxDOT's Houston District Traffic Signal Operations Office at 713-802-5662 to schedule marking of underground lines on the ground. Use caution if working in these areas to avoid damaging or interfering with existing facilities.
- This utility permit is subject to a ***separate*** traffic control plan being approved by the TxDOT Area Engineer. All work must follow the TxDOT Traffic Control Plan Standards, Latest Revision, or if approved, Typical Applications shown in the *Texas Manual on Uniform Traffic Control Devices*, Latest Revision, Chapter 6-H. It is mutually agreed and understood that the implementation and maintenance of the traffic control plan shall be the responsibility of the Permittee. Contractor is required to supply all barricades, warning signs, and flagmen when necessary; contractor must supply all sub-contractors with a copy of this permit and approved traffic control plan. No overnight lane closures will be allowed.
- The Permittee shall coordinate the sequence of construction and traffic control plan with any adjacent highway construction or maintenance projects. In the event such interference occurs, you will cease operations in the area until such time as the road work is completed.
- Approval of this request by TxDOT does not relieve the utility owner or its agents of the obligation to seek concurrence / approval by appropriate regulatory agencies or other interest holders, such as railroad companies. Work performed on railroad right-of-way, or within waterways, such as rivers, creeks, bayous, and drainage ditches, may require such additional concurrence / approval.
- No discharges, such as effluent, produced groundwater, or chlorinated flush water, may be drained into State highway storm sewer infrastructure, without the approval of a separate agreement. Contact the TxDOT Houston District Permits Office at (713) 802-5568 for additional information. In addition, the Grantee certifies that its storm water runoff to the State's right-of-way shall not be contaminated by any industrial processes or significant pollutants, and the State shall not be held liable for any pollutants entering State right-of-way through storm water connections.
- Any adjustment or relocation of this installation necessary because of future highway construction shall be accomplished without cost to TxDOT. The permittee shall indemnify and save harmless the State from any and all damages or losses that may develop due to this project.
- All excavations within the right-of-way shall be backfilled according to the ***TxDOT Standard Specifications for Construction and Maintenance of Highways, Streets, and Bridges***, Item 400, as currently amended. All backfill shall be compacted to densities equal to that of surrounding soil. All surplus material shall be removed from the right-of-way, and the excavation finished flush with surrounding natural ground. All exposed dirt surfaces shall be sodded, unless otherwise approved by the TxDOT Area Engineer. A slope of 4:1, or flatter, shall be required on the ditch front slope.
- Encasement shall be steel, concrete, or high-density polyethylene (HDPE), and shall extend past the top of back slope of the outermost ditches, or five feet beyond the back of curb.

ADDITIONAL SPECIAL PROVISIONS FOR HOUSTON DISTRICT UTILITY PERMITS

REVISED AUGUST 10, 2017

- Highway crossings shall be bored or tunneled. Annular voids between the bore hole or tunnel, and the carrier line or encasement, shall be filled with a slurry grout or flow-able fill, to prevent settlement of any part of the highway.
- Fluids used in connection with boring operations shall only be allowed in sufficient quantity to lubricate boring pits, or to provide a smooth flow of cuttings. Jetting will not be allowed.
- Design and material of high pressure pipelines (greater than 60 psi) must meet the appropriate State and Federal guidelines.
- All manhole covers shall be installed flush with ground level.
- Aerial crossings shall be installed and maintained at a minimum of 22 feet for electric lines and 18 feet for communication lines. This applies to all parallel and perpendicular crossings of pavement, within the State of Texas right-of-way, including all public cross streets. For crossings of bridges and retaining walls, all crossings shall be installed and maintained at a minimum of 30 feet for all lines.
- Fiber optic communications lines greater than 500 feet in length shall provide at least 50 feet of slack coil in an adjacent vault, manhole, and/or handhole.
- The contractor or sub-contractor is required to contact the TxDOT Maintenance Supervisor a minimum of 72 hours prior to commencing any work.

TxDOT Maintenance Supervisors	Office Phone
▪ Brazoria County	(979) 864-8500
▪ Fort Bend County	(281) 238-7900
▪ Galveston County	(409) 978-2552
▪ Montgomery County	(936) 538-3300
▪ Waller County	(979) 921-2400
▪ Harris County, Inside IH 610 Loop	(713) 636-7400
▪ Harris County, North	(281) 319-6400
▪ Harris County, Southeast	(281) 464-5500
▪ Harris County, West	(713) 934-5900
▪ Traffic Signal Operations	(713) 866-7101
▪ SH 288 in Harris County	(346) 231-0427