



REVIEW BY FORT BEND COUNTY
COMMISSIONERS COURT

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

☒	Right of Way Permit
☐	Commercial Driveway Permit

Permit No: 2018-19552

Applicant: Comcast of Houston, LLC

Job Location Site: 15910 Old Richmond Road, Sugar Land, TX 77498

Bond No. [REDACTED] **Date of Bond:** 7/24/2007 **Amount:** \$100,000.00

The above applicant came to make use of certain Fort Bend County property subject to, "The 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, of the Minutes of the Commissioners Court of Fort Bend County, Texas, to the extent that such order is not inconsistent with Chapter 181, Vernon's Texas Statutes and Codes Annotated.

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, submit notification to Permit Administrator thru [MyGovernmentOnline.org](https://mygovernmentonline.org) portal.
3. This permit expires one (1) year from date of permit if construction has not commenced.

On this 10th day of April, 2018, Upon Motion of Commissioner _____, seconded by Commissioner _____, duly put and carried, it is ORDERED, ADJUDGED 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.

Signature

Presented to Commissioners Court and approved.

By: Rick J. Staigle, PE, PTOE
County Engineer

Date Recorded _____ Comm. Court No. _____

Clerk of Commissioners Court

N/A

By: _____
Drainage District Engineer/Manager

By: _____
Deputy



**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: 2018-19552

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: Amount: \$100,000.00
- ☐ Performance bond submitted. Bond No: Amount:
- ☐ Cashier's Check Check No: Amount:

(3) DRAINAGE DISTRICT APPROVAL (WHEN APPLICABLE):

Drainage District Approval

Date

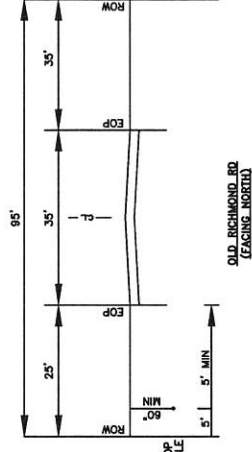
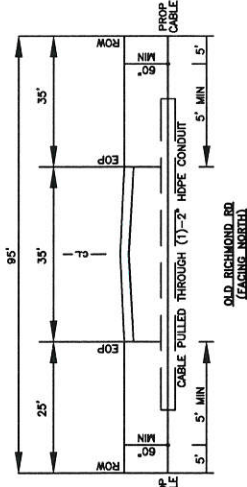
We have reviewed this project and agree it meets minimum requirements.

Rick J. Staigle, PE, PTOE
Permit Administrator

4/2/2018

Date

NOTE: CONTRACTOR SHALL
BORE ALL DRIVEWAYS.

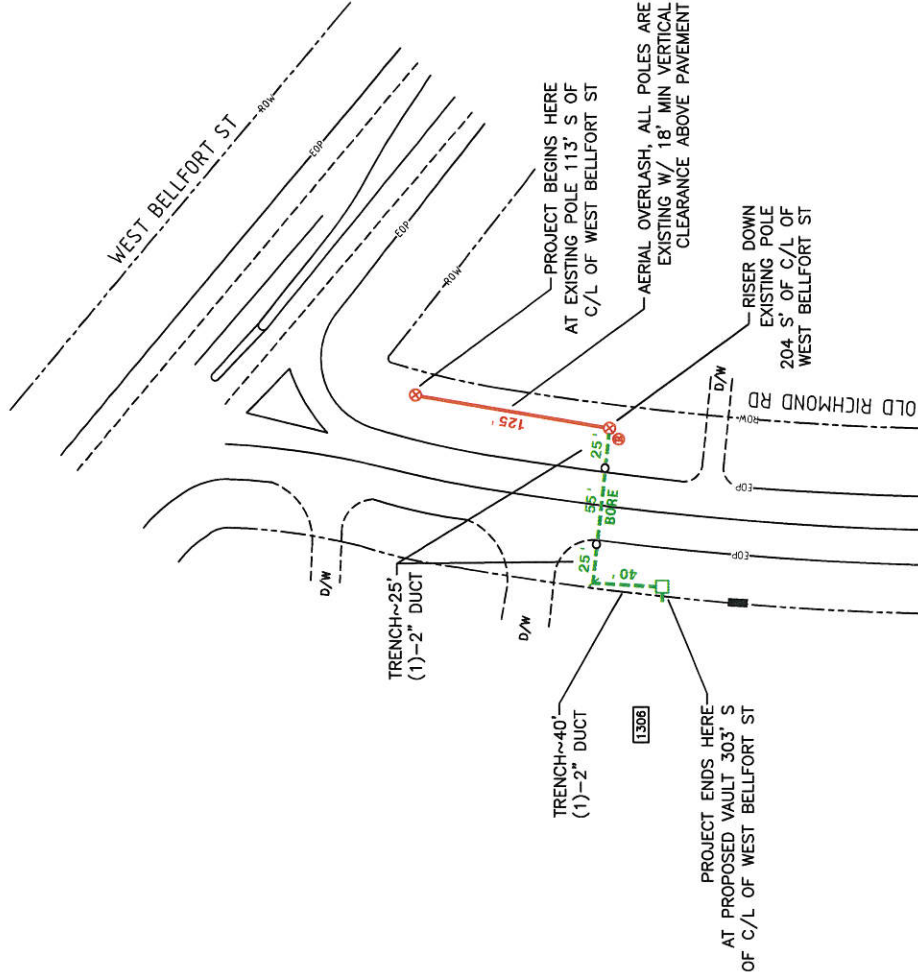


NOTES:

1. THE CONTRACTOR SHALL CONTACT TEXAS ONE CALL SYSTEM AT 1-800-245-4545 MIN. 48 HOURS BEFORE DIGGING
2. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL UNDERGROUND FACILITIES BEFORE COMMENCING WORK AND AGREE TO BE FULLY RESPONSIBLE FOR ALL DAMAGES CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ALL UNDERGROUND FACILITIES.
3. NO MORE TRENCH OPENED AT ONE TIME THAN CAN BE BACKFILLED AND COMPACTED IN 10" LIFTS AT THE END OF EACH DAY. (NO TRENCH LEFT OPENED OVERNIGHT)
4. ALL EXCESS EXCAVATION TO BE REMOVED FROM THE ROAD RIGHT-OF-WAY AT THE END OF EACH DAY.
5. DITCHES TO BE OPENED AT THE END OF EACH DAY TO ASSURE ADEQUATE DRAINAGE.
6. ROAD MUST BE KEPT OPEN TO TRAFFIC AND CONTRACTOR MUST PROVIDE ADEQUATE FLAGMEN, SIGNALS, ETC., TO PROVIDE COMPLETE SAFETY TO THE PUBLIC.
7. IF IT BECOMES NECESSARY FOR EQUIPMENT TO OPERATE ON A PORTION OF THE PAVEMENT, PRECAUTIONS MUST BE TAKEN TO PREVENT ANY DAMAGE WHATSOEVER TO THE PAVEMENT.
8. CONDITION OF ROAD UPON COMPLETION OF JOB SHALL BE AS GOOD OR BETTER THAN PRIOR TO STARTING.
9. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE NATIONAL ELECTRICAL SAFETY CODE (NEC) REQUIREMENTS, CENTERPOINT ENERGY ELECTRIC POLE ATTACHMENT GUIDELINES & PROCEDURES AND ALL APPLICABLE LOCAL REQUIREMENTS AND REGULATIONS FOR PLACEMENT OF AERIAL CABLE FACILITIES. 18' MIN. VERTICAL CLEARANCE

DESIGNED BY: TRUNET
COMMUNICATIONS
DRAWN BY: NP
DWG. NO.
SHEET NO. 1 OF 1

LAMBERT:
DATE: 03/13/2018
KEY MAP NO:
SCALE: NTS



COMCAST TO TIE IN AT EXISTING POLE 113' S OF C/L OF WEST BELLFORT ST. AERIAL OVERLASH TO EXISTING POLE 204' S OF C/L OF WEST BELLFORT ST. RISER DOWN THEN TRENCH 25' DIRECTIONAL BORE 55', TRENCH 25', AND TURN S AND TRENCH ANOTHER 40' TO PROPOSED VAULT 303' S OF C/L OF WEST BELLFORT ST. EXIT ROW, INSTALL CONDUIT AND PULL CABLE THROUGH. TOTAL FOOTAGE 270'.

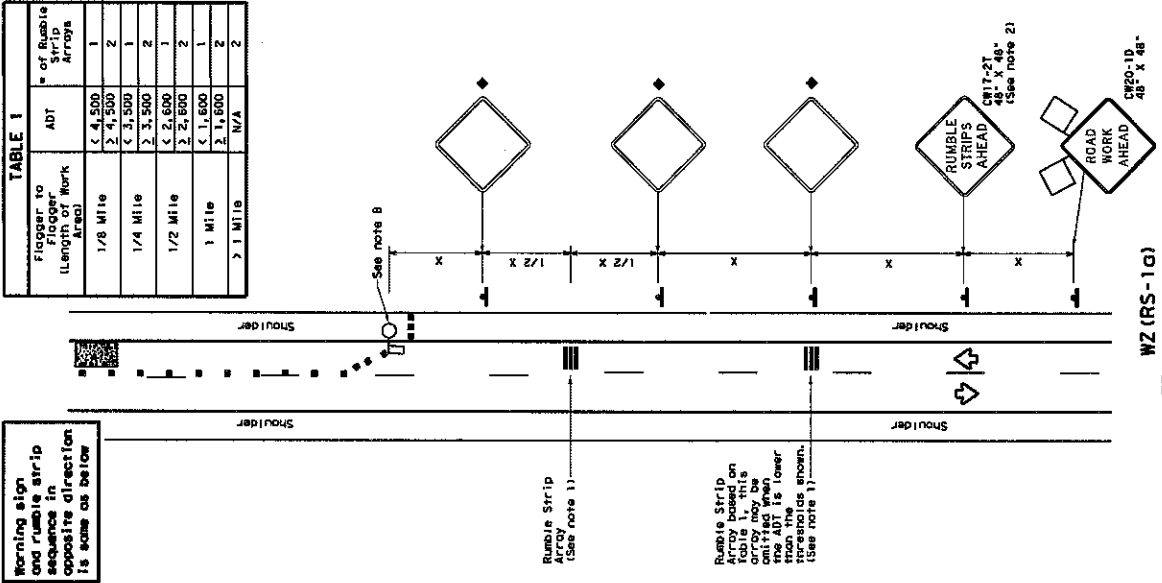
COMCAST
7033 AIRPORT BLVD
HOUSTON, TX 77061-3912

70414-OLD RICHMOND RD-FORT BEND

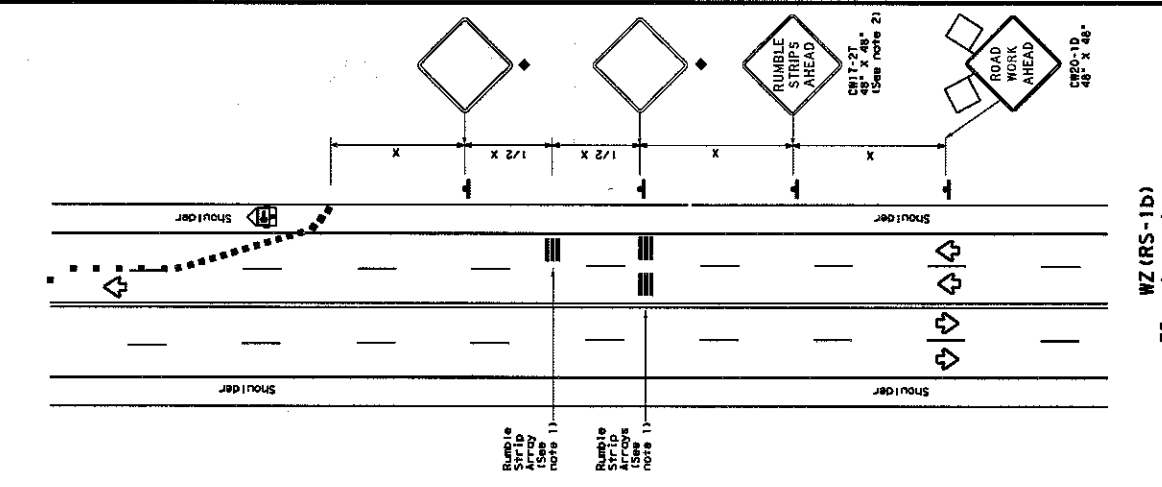
Warning sign and rumble strip sequence in opposite direction is same as below

TABLE 1

Flagger to Length of Work Area	ADT	# of Rumble Strip Arrays
1/8 Mile	< 4,500	1
	4,500 - 9,500	2
1/4 Mile	< 3,500	1
	3,500 - 5,500	2
1/2 Mile	< 2,600	1
	2,600 - 4,600	2
1 Mile	< 1,600	1
	1,600 - 2,600	2
> 1 Mile	N/A	2



WZ (RS-10)
75 mph or Less
RUMBLE STRIPS ON ONE-LANE TWO-WAY APPLICATION



WZ (RS-1b)
75 mph or Less
RUMBLE STRIPS FOR LANE CLOSURE ON CONVENTIONAL ROADWAY

GENERAL NOTES

- Each Rumble Strip Array should consist of three rumble strips spaced as shown. In Table 2, placing transverse across the lane at locations shown.
- The CM1-2T "RUMBLE STRIPS AHEAD" sign should be located after the CM20-1D "ROAD WORK AHEAD" sign and spaced as shown. If traffic is observed to be queuing, or if Rumble Strips, the CM1-2T sign and the first Rumble Strip Array may be located upstream of the CM20-1D sign as necessary to provide warning.
- Temporary Rumble Strips will be considered subsidiary to Item 502, and shall be a product listed on the Compliant Work Zone Traffic Control Devices.
- Removal of the Temporary Rumble Strips should be accomplished before removing the advance warning signs.
- Temporary Rumble Strips should not be used on horizontal curves, loose gravel, soft or bleeding asphalt, heavily rutted pavements or unpaved surfaces.
- Temporary Rumble Strips shall be installed and maintained as recommended by the manufacturer's recommendations.
- This standard sheet shall be used in conjunction with other appropriate TCD standard, MUTCD typical application or project specific detail for the project.
- The one-lane two-way application may utilize a flagger, an AFD or a portable traffic signal.
- Temporary Rumble Strips may be used on freeways or expressways based on engineering judgment.

TABLE 2

Speed	Approximate distance between strips in array
≤ 40 MPH	10'
> 40 MPH & ≤ 55 MPH	15'
> 55 MPH	20'

LEGEND

Symbol	Type	Device
[Symbol]	Heavy Work Vehicle	Channelizing Devices
[Symbol]	Trailer Mounted Flashing Arrow Panel	Truck Mounted Attenuation (TMA)
[Symbol]	Sign	Temporary Message Sign (PMS)
[Symbol]	Flag	Traffic Flow
[Symbol]		Flagger

Posted Speed Limit (mph)	Formula	Minimum Taper Length (ft)	Minimum Distance (ft)	Minimum Stop Distance (ft)	Minimum Buffer Space (ft)
30	$L = 150 + 1.5S$	150	30	60	120
35	$L = 205 + 2.25S$	205	35	70	160
40	$L = 265 + 2.95S$	265	40	80	200
45	$L = 325 + 3.65S$	325	45	90	240
50	$L = 385 + 4.35S$	385	50	100	280
55	$L = 445 + 5.05S$	445	55	110	320
60	$L = 505 + 5.75S$	505	60	120	360
65	$L = 565 + 6.45S$	565	65	130	400
70	$L = 625 + 7.15S$	625	70	140	440
75	$L = 685 + 7.85S$	685	75	150	480

* 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	INTERMEDIATE TERM	LONG TERM
	DURATION	STATIONARY	STATIONARY
		✓	

◆ Signs are for illustrative purposes only. Signs required may vary depending on the TCD, MUTCD typical application, or project specific details for the project.

Texas Department of Transportation

Office of Traffic Operations

Standard

TEMPORARY RUMBLE STRIPS

WZ (RS) -16

FILE: WZ-RS-16
DATE: November 2012
BY: JET
JOB: 2-14
SHEET: 4-16