



**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: 2018-23545

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

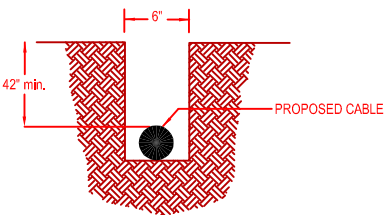
10/15/2018

Date

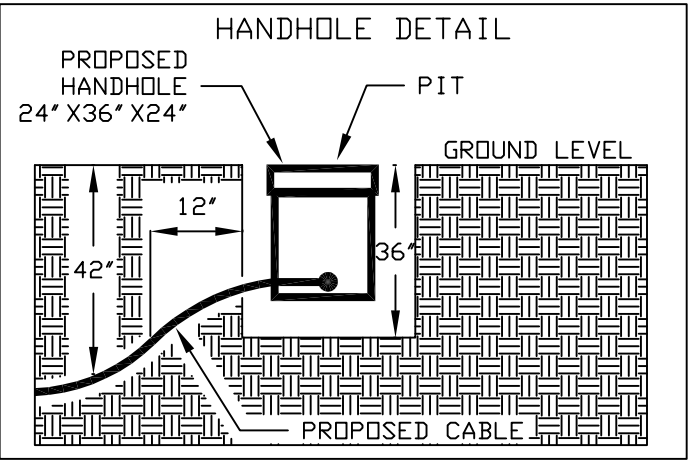
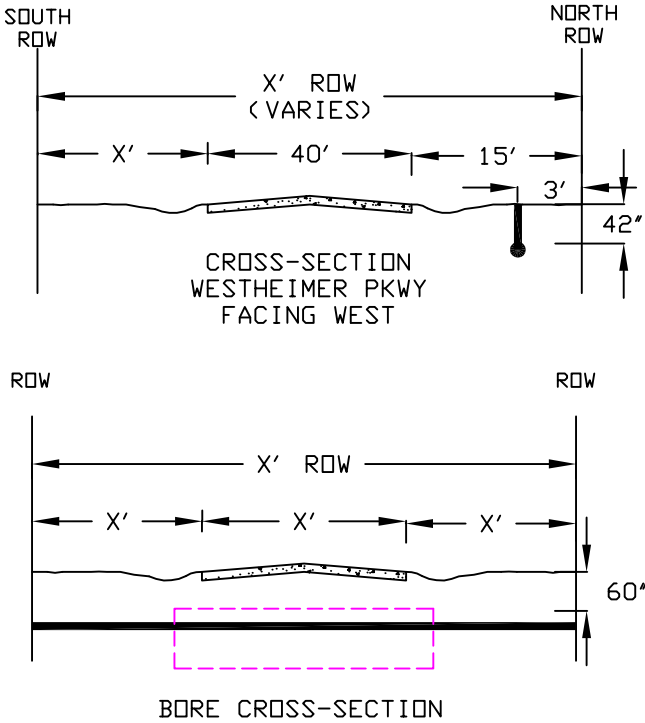
FORT BEND COUNTY SPECIFICATIONS

1. NO MORE TRENCH OPENED AT ONE TIME THAN CAN BE BACKFILLED AND COMPACTED IN 10' LIFTS AT THE END OF EACH WORK DAY. (NO TRENCH LEFT OPEN OVERNIGHT).
2. ALL EXCESS EXCAVATION TO BE REMOVED FROM ROAD RIGHT OF WAY AT THE END OF EACH WORK DAY
3. DITCHES TO BE OPENED AT END OF EACH DAY TO ASSURE ADEQUATE DRAINAGE.
4. ROAD MUST BE KEPT OPEN TO TRAFFIC AND CONTRACTOR MUST PROVIDE ADEQUATE FLAGMEN, SIGNS, SIGNALS, ETC. TO PROVIDE COMPLETE SAFETY TO THE PUBLIC.
5. IF IT BECOMES NECESSARY FOR EQUIPMENT TO OPERATE ON A PORTION OF THE PAVEMENT, PRECAUTIONS SHOULD BE TAKEN TO PREVENT ANY DAMAGE WHATSOEVER TO THE PAVEMENT.
6. CONDITION OF ROAD UPON COMPLETION OF JOB SHALL BE AS GOOD OR BETTER THAN PRIOR TO STARTING.
7. MIN DEPTH TO TOP OF CABLE OR CONDUIT IS TO BE 60" BELOW CROWN OF ROAD AND 42" BELOW ANY ROADSIDE DITCH.

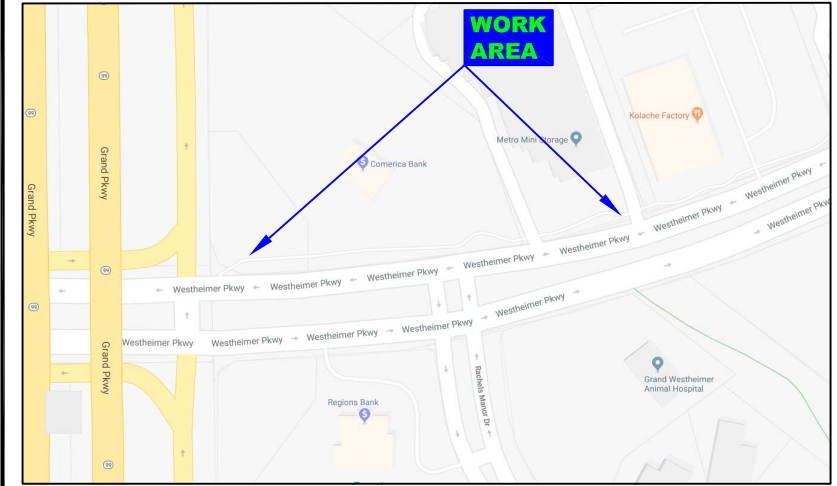
48 Hour Notice: Contractor shall notify Harris County prior to commencing construction and/or backfilling any utilities. Contractor(s) to contact Marc Barbe with Public Review Department @ (713)274-3931 or marc.barbe@hcpid.org



TYPICAL TRENCH DETAIL



LOCATION MAP

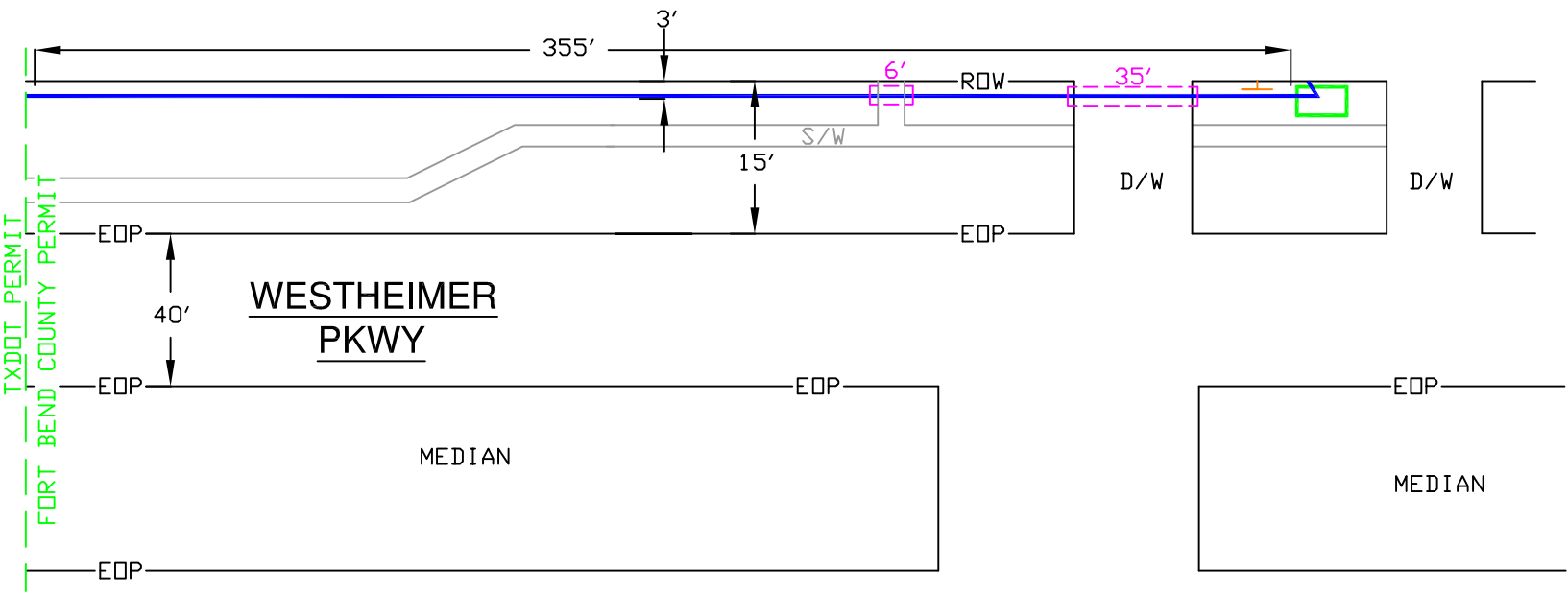


LEGEND

PROPOSED AT&T
TELECOMMUNICATIONS
CABLE

PROPOSE AT&T
FIBER HAND HOLE
W/50' SLACK LOOP
64 CU. FT.


EXISTING CONDUIT



A Notification issued by HC Infrastructure Department-Permits Office-is required for proposed work within Harris County Right-of-Way. The project must be approved prior to obtaining the requires Notification. A Notification must be obtained separately from a site development permit pakage. For additional information please visit :http://hcpid.org/permits/pr-notification-of-construction.html or contact Public Review Inspections Department@ (713)274-3931

- TRAFFIC NOTES:**
1. CONTRACTOR SHALL PROVIDE AND INSTALL TRAFFIC CONTROL DEVICES IN CONFORMNACE WITH PART VI OF THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (TMUTCD - LATEST EDITION WITH REVISIONS)
 2. NO LANES SHALL BE BLOCKED DURING CONSTRUCTION.

FORT BEND COUNTY PERMIT PRINT

ASE 23330 WESTHEIMER PKWY		NO SCALE A01E19N 281-492	
 BYERS ENGINEERING COMPANY <i>5301 Hollister Suite 250 Houston, TX 77040 713-464-9790 (Office) 713-690-1693 (Fax)</i>	Byers Engineer		
	DRAWN BY: AE		
	DATE: September 12, 2018		
	KEY MAP: N/A		
	PLAT: 2 of 2		
	DWG NAME: 23330 WESTHEIMER PKWY		

DISCLAIMER: The use of 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 incorrect results or damages resulting from its use.

DATE: FILE:

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

TABLE 1		
Flagger to Flagger (Length of Work Area)	ADT	# of Rumble Strip Arrays
1/8 Mile	< 4,500	1
	≥ 4,500	2
1/4 Mile	< 3,500	1
	≥ 3,500	2
1/2 Mile	< 2,600	1
	≥ 2,600	2
1 Mile	< 1,600	1
	≥ 1,600	2
> 1 Mile	N/A	2

Rumble Strip Array (See note 1)

Rumble Strip Array based on Table 1, this array may be omitted when the ADT is lower than the thresholds shown. (See note 1)

Shoulder

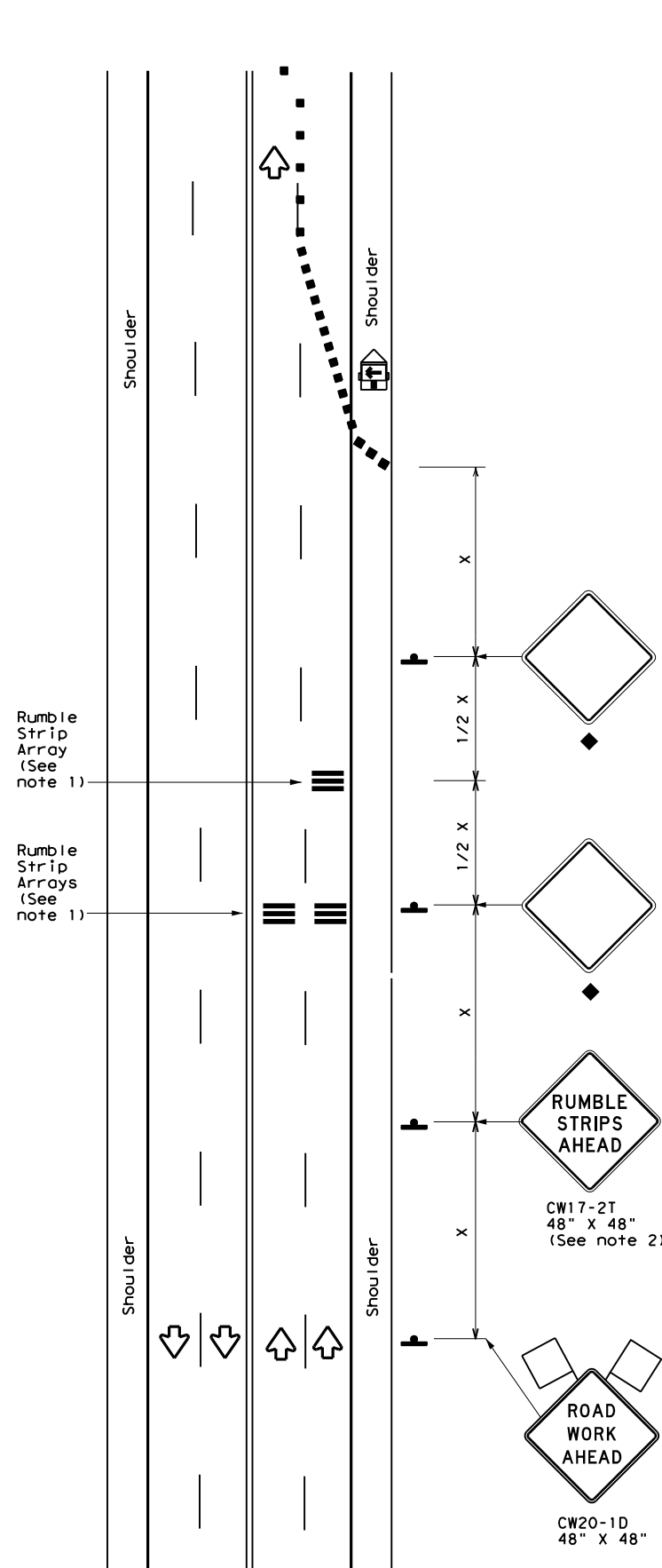
Shoulder

Shoulder

Shoulder

WZ (RS-1a)
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 center to center at the spacing shown in Table 2, placed transverse across the lane at locations shown.
- The CW17-2T "RUMBLE STRIPS AHEAD" sign should be located after the CW20-1D "ROAD WORK AHEAD" sign and spaced as shown. If traffic is observed to be queuing, or is expected to queue beyond the Rumble Strips, the CW17-2T sign and the first Rumble Strip Array may be located upstream of the CW20-1D sign as necessary to provide needed 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 per manufacturer's recommendations.
- This standard sheet shall be used in conjunction with other appropriate TCP standard, TMUTCD typical application or project specific detail for the project.
- The one-lane two-way application may utilize a flagger, an AFAD 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 an Array
≤ 40 MPH	10'
> 40 MPH & ≤ 55 MPH	15'
> 55 MPH	20'

LEGEND

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

Posted Speed *	Formula	Minimum Desirable Taper Lengths **			Suggested Maximum Spacing of Channelizing Devices		Minimum Sign Spacing "X" Distance	Suggested Longitudinal Buffer Space "B"
		10' Offset	11' Offset	12' Offset	On a Taper	On a Tangent		
30	$L = \frac{WS^2}{60}$	150'	165'	180'	30'	60'	120'	90'
35		205'	225'	245'	35'	70'	160'	120'
40		265'	295'	320'	40'	80'	240'	155'
45	L = WS	450'	495'	540'	45'	90'	320'	195'
50		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
	✓	✓		

◆ Signs are for illustrative purposes only. Signs required may vary depending on the TCP, TMUTCD Typical Application, or project specific details for the project.

		Traffic Operations Division Standard			
TEMPORARY RUMBLE STRIPS					
WZ (RS) - 16					
FILE: wzrs16.dgn	DN: TxDOT	CK: TxDOT	DW: TxDOT		
© TxDOT November 2012	CONT	SECT	JOB		
REVISIONS			HIGHWAY		
2-14					
4-16					
	DIST	COUNTY	SHEET NO.		