



**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: 2018-23132

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: \$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.



Permit Administrator

10/15/2018

Date

Scope of work to Target address - 8303 MCHARD RD

- PROJECT BEGINS AT PROPOSED PED 410' N C/L OF MCHARD RD.
- BORE 315' AND TRENCH 806' AS INDICATED
- PROJECT ENDS AT PROPOSED PED 570' E OF C/L WEST DR.
- TOTAL PROJECT IS 1121'.



7033 AIRPORT BLVD., HOUSTON, TX 77061-3912

WORK
AREA

VICINITY MAP

SCALE: NONE

BUILD:

• Bore footage:	315'
• Trench footage:	806'
• Bore Pits:	6
• Potholes :	0
• New Aerial :	0'
• Overlash:	0'
• New Vaults:	0
• Existing Vaults:	0
• New Pedestals:	0
• Existing Pedestals:	0
• Overpull Existing Conduit:	0'
• Total Project Footage:	1121'

CONTACTS

Lia Lopez
Construction – Serviceability &
Permit Supervisor
(713) 637-5248 (Ext. 2775248)

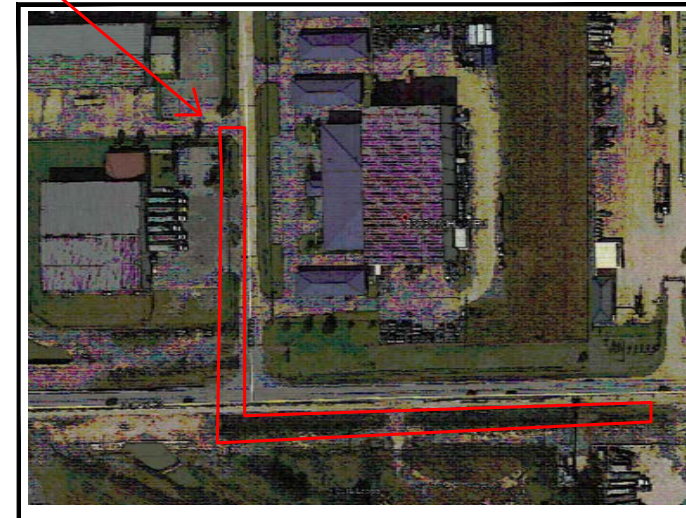
Juan Jimenez
Construction Specialist
(713) 637-5248 (Ext.)

LEGEND

- ⊗ RISER
- ⊗ UTILITY POLE
- ⋈ DOWN GUY AND ANCHOR
- PEDESTAL / VAULT

AERIAL ROUTE

UNDERGROUND ROUTE



FORT BEND COUNTY, TEXAS

THIS IS A COMCAST DOCUMENT, PROPRIETARY & CONFIDENTIAL

DESIGN: TRUENET	REV	DESCRIPTION	DATE
DRAWN BY: NP	0	ISSUED FOR PERMIT	7/30/2018
APPROVED:			
APPROVED:			
APPROVED:			



7666 Blanding Boulevard
Jacksonville, FL 32244
(904) 777- 9052



TITLE PAGE
8303 MCHARD RD

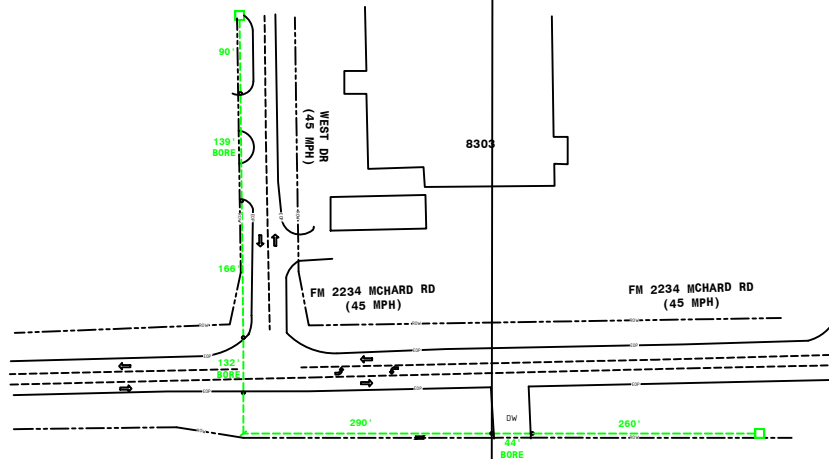
PROJ#: 77666

CONSTRUCTION TYPE: UNDERGROUND

SYSTEM: HOUSTON

NODE: N/A

SHEET 1



SHEET 2

NOTES:

1. CONTRACTOR SHALL CALL FOR LOCATES 3 DAYS PRIOR TO PLANNED COMMENCEMENT OF WORK.
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


COMCAST
 7033 AIRPORT BLVD
 HOUSTON, TX 77061-3912



JT77666 - 8303 MCHARD RD - FORT BEND COUNTY

DESIGNED BY: TRUENET
 COMMUNICATIONS
 DRAWN BY: ED
 DWG. NO.
 SHEET NO. COVER

LAMBERT:
 DATE: 07/31/2018
 KEY MAP NO:
 SCALE: NTS



PROJECT BEGINS HERE
AT PROPOSED PED 410'
N C/L OF MCHARD RD.

TRENCH~90'
(1)-2" HDPE DUCT

90'

139'
BORE

166'

TRENCH~166'
(1)-2" HDPE DUCT

132'
BORE

WEST DR
(45 MPH)

FM 2234 MCHARD RD
(45 MPH)

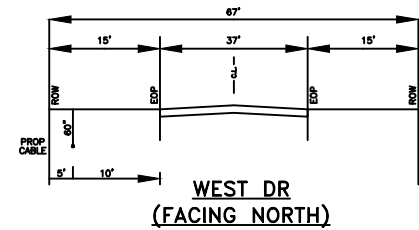
290'

TRENCH~290'
(1)-2" HDPE DUCT

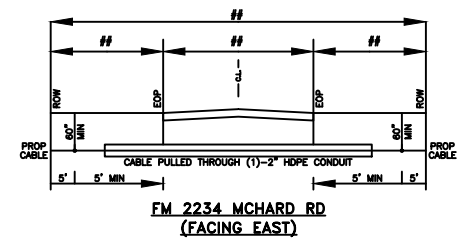
8303

MATCHLINE SHEET 2

NOTE: CONTRACTOR SHALL
BORE ALL DRIVEWAYS.



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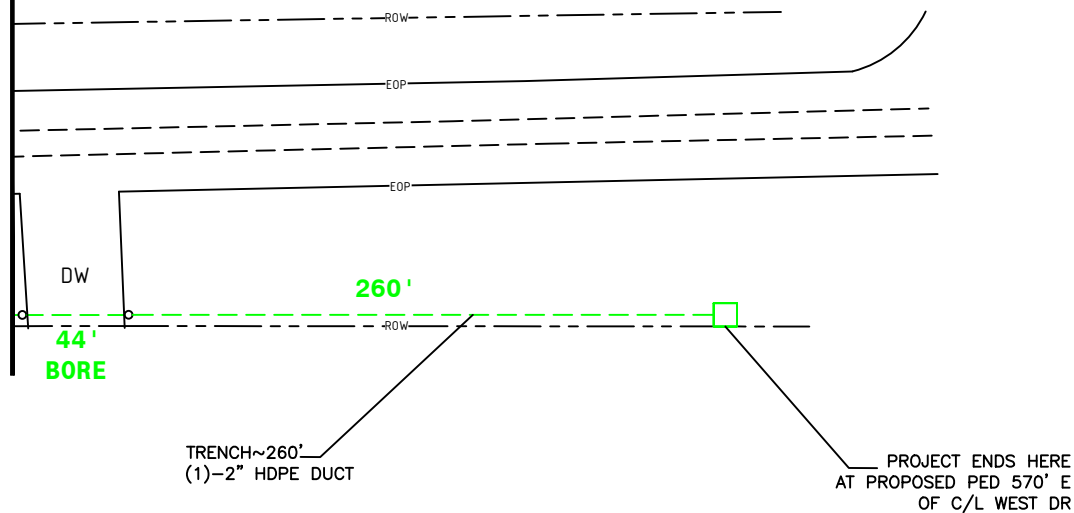
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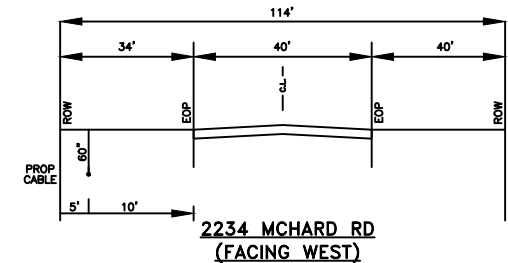


3

FM 2234 MCHARD RD (45 MPH)



NOTE: CONTRACTOR SHALL
BORE ALL DRIVEWAYS.



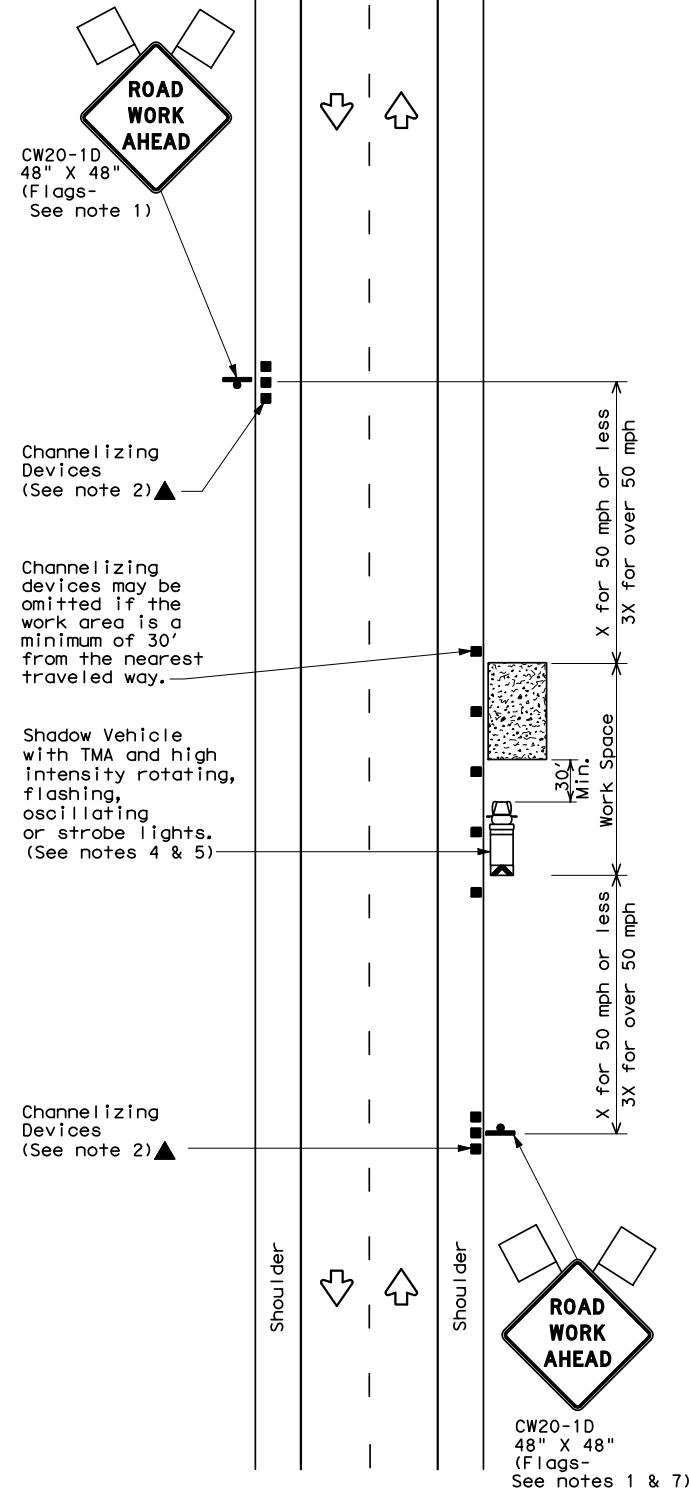
2234 MCHARD RD
(FACING WEST)

NOTES:

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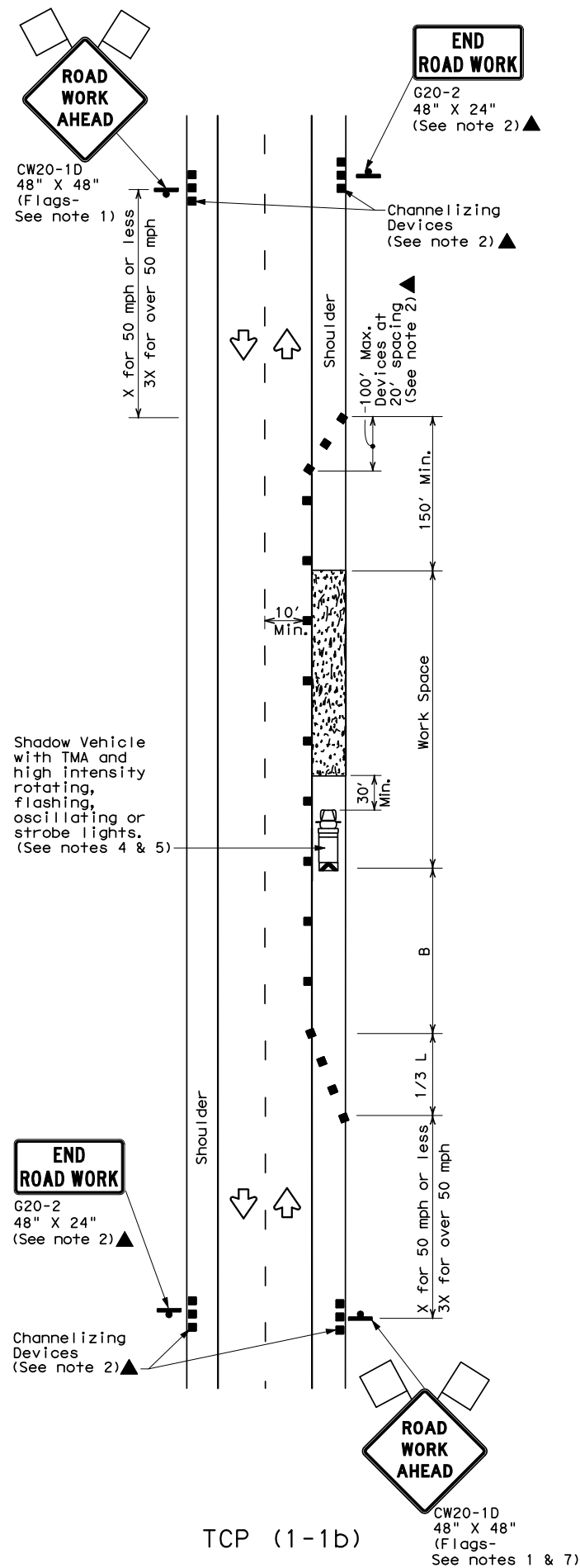


DATE: _____
FILE: _____



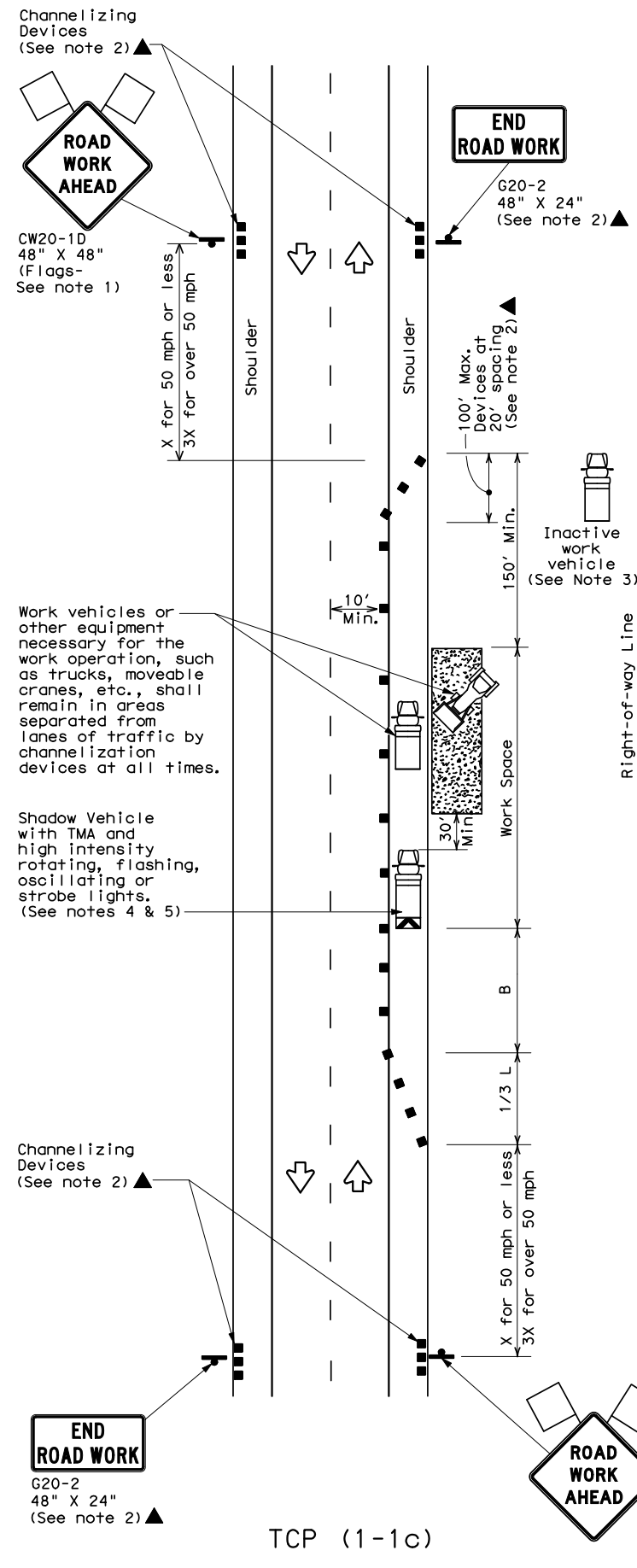
TCP (1-1a)

WORK SPACE NEAR SHOULDER













TCP (1-1b)

WORK SPACE ON SHOULDER



TCP (1-1c)

WORK VEHICLES ON SHOULDER Conventional Roads

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 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
	✓	✓		

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. Inactive work vehicles or other equipment should be parked near the right-of-way line and not parked on the paved shoulder.
4. A Shadow Vehicle with a TMA should be used anytime 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 or other channelizing devices may be substituted for the Shadow Vehicle and TMA.
5. Additional Shadow Vehicles with TMAs may be positioned off the paved surface, next to those shown in order to protect wider work spaces.
6. See TCP(5-1) for shoulder work on divided highways, expressways and freeways.
7. CW21-5 "SHOULDER WORK" signs may be used in place of CW20-1D "ROAD WORK AHEAD" signs for shoulder work on conventional roadways.

For construction or maintenance contract work, specific project requirements for shadow vehicles can be found in the project GENERAL NOTES for Item 502, Barricades, Signs and Traffic Handling.



TRAFFIC CONTROL PLAN CONVENTIONAL ROAD SHOULDER WORK

TCP (1-1)-12

① TxDOT December 1985 REVISIONS		DN: TXDOT	CK: TXDOT	DW: TXDOT	CK: TXDOT
2-94	2-12	CONT	SECT	JOB	HIGHWAY
8-95					
1-97		DIST	COUNTY		SHEET NO.
4-98					



Notice of Proposed Installation Utility Line On TxDOT Highway Right of Way

To the Texas Transportation Commission
c/o District Engineer
Texas Department of Transportation
Houston District, Texas

Date 8/27/2018
Application No. HOU20180827075035

Formal notice is hereby given that Comcast of Houston, LLC
proposes to install a utility facility within the right-of-way of FM2234
in Brazoria County, Texas as follows: (details are shown on page 2)

**PROJECT BEGINS WHERE CABLE ENTERS THE ROW. BORE 176' AND TRENCH 564' AS INDICATED.
PROJECT ENDS AT PROPOSED PED 570' E OF C/L WEST DR TOTAL PROJECT IS 740'.**

The line will be constructed and maintained on the highway right-of-way as shown on the attached drawing and in accordance with the rules, regulations and policies of the Texas Department of Transportation (TxDOT), and all governing laws, including but not limited to the "Federal Clean Water Act," the "National Endangered Species Act," and the "Federal Historic Preservation Act." Upon request by TxDOT, proof of compliance with all governing laws, rules and regulations will be submitted to TxDOT before commencement of construction.

Our firm will use Best Management Practices to minimize erosion and sedimentation resulting from the proposed installation, and we will revegetate the project area as indicated under "Revegetation Special Provisions."

Our firm will ensure that traffic control measures complying with applicable portions of the Texas Manual of Uniform Traffic Control Devices will be installed and maintained for the duration of this installation.

The location and description of the proposed installation and appurtenances is more fully shown by 1 files containing drawings and other pertinent information uploaded to the website.

Construction will begin on or after September 3, 2018 and end on or before December 3, 2018.

I certify that I am authorized to represent the Firm listed below, and that our Firm agrees to the conditions/provisions included in this notice.

Utility Installation Owner Comcast of Houston, LLC
By Juan Jimenez
Title Permit Coordinatator
Address 8590 West Tidwell Road
Houston, TX 77040
Phone No. 281-624-3015
E-mail address juan_jimenez@cable.comcast.com

Application Details

Application No.	HOU20180827075035
Date	8/27/2018
Utility Installation Owner	Comcast of Houston, LLC
By	Juan Jimenez
TxDOT District	Houston District
County	Brazoria
Route	FM2234
Control Section	210502
Description	PROJECT BEGINS WHERE CABLE ENTERS THE ROW. BORE 176' AND TRENCH 564' AS INDICATED. PROJECT ENDS AT PROPOSED PED 570' E OF C/L WEST DR TOTAL PROJECT IS 740'.
Attachments	77666_8303 MCHARD RD_TXDOT.pdf

TxDOT - Houston District
CHECKLIST FOR REVIEW OF NOTICES OF PROPOSED INSTALLATION
Online version 04/2018

Yes No N/A

☒ ☐ ☐ Are the utility plans legible, drawn to scale, and accurately dimensioned?

☒ ☐ ☐ Is the location of the proposed utility facility clearly shown on the plans?

☐ ☒ ☐ Do the plans show how the proposed installations connect to existing infrastructures on both ends of the proposed utility?

PROJECT STARTS ENTERING ROW

☒ ☐ ☐ Is the right of way line clearly shown and the distance of the utility line from the edge of pavement shown on the plans?

☒ ☐ ☐ Is the profile of the bore shown on drawings?

☐ ☒ ☐ For aerial installations, do the plans clearly show and differentiate between existing poles and new poles?

☐ ☒ ☐ For aerial installations, do the plans call out the vertical and/or horizontal clearance?

☐ ☒ ☐ Are other existing utility lines shown on the plans? Including vertical elevations and horizontal alignments.

☐ ☒ ☐ Do the plans show the required slack coil to be placed in adjacent vault/handhole/manhole/pullhole/ductbank? Minimum of 50' of slack coil for installations greater than 500' or minimum of 100' of slack coil for installations greater than 1,000'.

☐ ☐ ☒ For small cell: Will this project meet all applicable City design guidelines? If not, please explain.

☐ ☐ ☒ For small cell: Will this node or node support pole connect to a new or existing transport facility?

☒ ☐ ☐ It is understood that a copy of the Utility Permit or Individual Site Agreement MUST be on the job site during any construction activities.

☒ ☐ ☐ It is understood that it is the responsibility of the utility owner to contact the nearest TxDOT Maintenance Office 72 hours prior to the start of construction using the UIR System. It is also the owner's responsibility to contact TxDOT once construction is complete.
