



**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](mailto:Permits@fortbendcountytx.gov)

- ☒ **Right of Way Permit**  
☐ **Commercial Driveway Permit**

Permit No: 2017-15817

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: \$25,000.00
- ☐ Performance bond submitted.      Bond No: \_\_\_\_\_ Amount: \_\_\_\_\_
- ☐ Cashier's Check      Check No: \_\_\_\_\_ Amount: \_\_\_\_\_

**(3) DRAINAGE DISTRICT APPROVAL (WHEN APPLICABLE):**

\_\_\_\_\_  
Drainage District Approval

\_\_\_\_\_  
Date

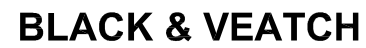
**We have reviewed this project and agree it meets minimum requirements.**

*Charles O. Ay*

\_\_\_\_\_  
Permit Administrator

\_\_\_\_\_  
Date

By: \_\_\_\_\_  
Deputy



FORT BEND COUNTY  
PERMIT APP-17372  
SHOWN ON PRINT 15

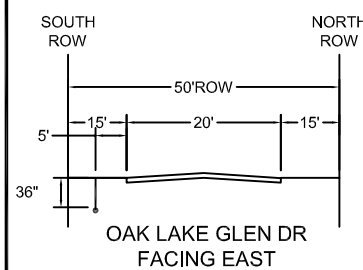
36"

AT&T FIBER CABLE

BORE

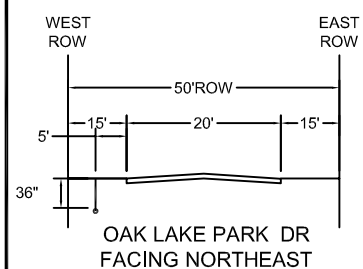
### BORE DETAIL

NTS



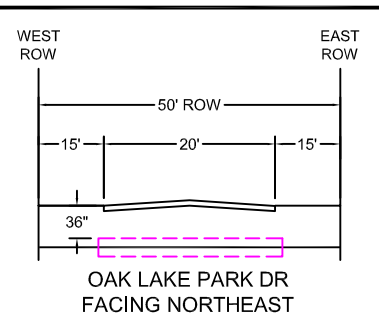
### TYPICAL CROSS-SECTION

NTS



### TYPICAL CROSS-SECTION

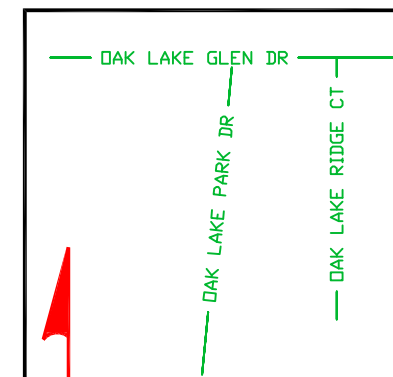
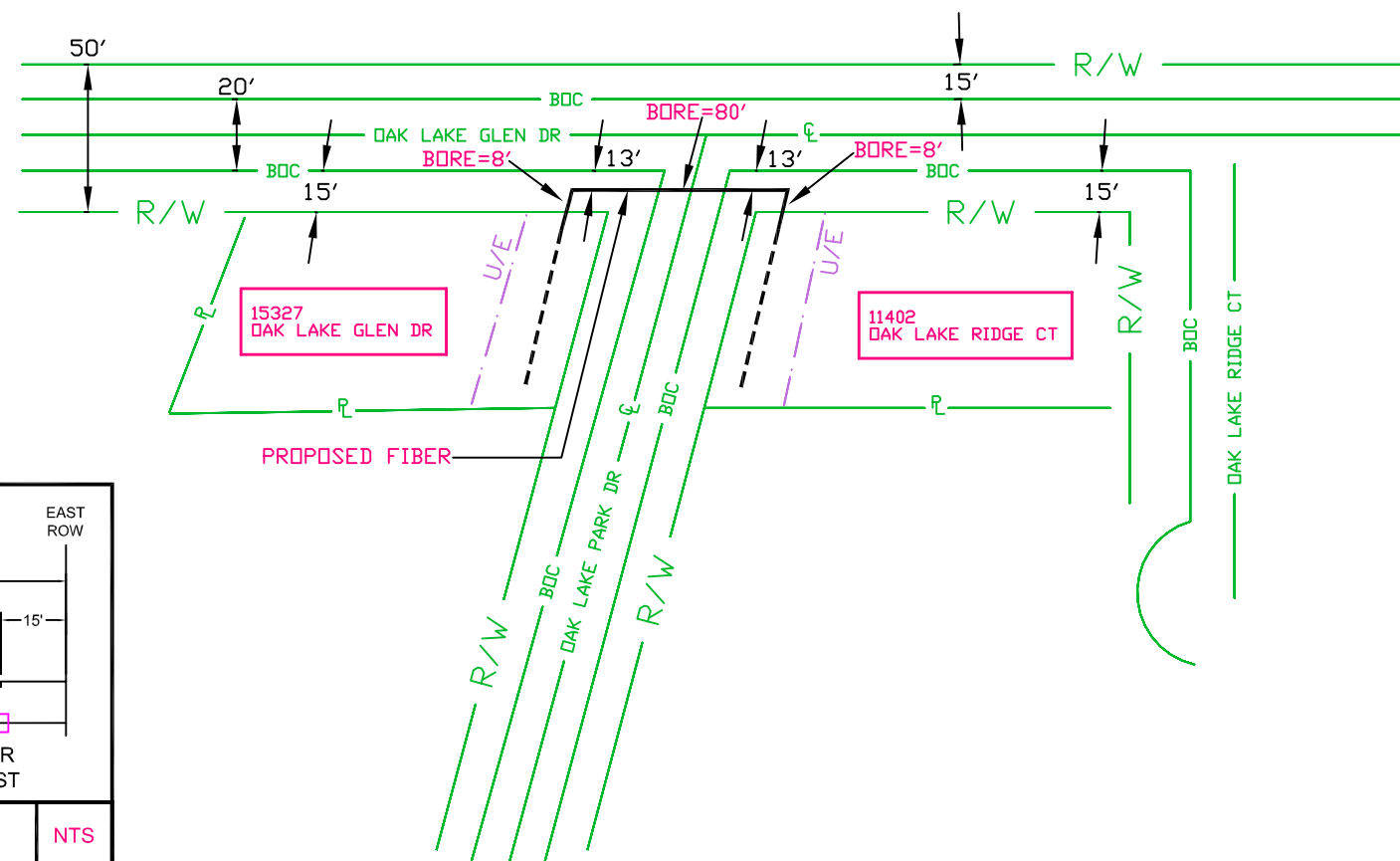
NTS



TYPICAL BORE  
CROSS-SECTION

NTS

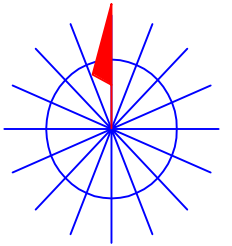
# FORT BEND COUNTY NOTIFICATION



APPROXIMATE LOCATION MAP

WORK DONE IN FORT BEND  
COUNTY RIGHT OF WAY - PRINT  
FOR INFORMATIONAL PURPOSES  
ONLY

SPECIAL CIRCUITS	N
6203 FORWARDED	N
PERMIT REQUIRED	Y



NORTH ARROW

### OPERATING RANGE OF JOB STEPS

TASK \_\_\_\_\_ TO \_\_\_\_\_

MFRC

TRANSMISSION ZONE

RZ 0	CZ 0	TAPER CODE 4130LC
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CAUTION HIGH VOLTAGE  
KV 0.00 AERIAL N BURIED N

HIGHWAY PERMIT NO.

Utility CO		
REP NAME		
REP TEL NO.		
POLE CONTACTS	(+) 0	(-) 0

Utility CO  
REP NAME  
REP TEL NO.  
POLE CONTACTS (+)0 (-)0

Utility CO		
REP NAME		
REP TEL NO.		
POLE CONTACTS	(+) 0	(-) 0

PROJECT NO A00ZP26

TOT.PRINTS 36      PRINT NO. 35

NPA/NNX: 281-498 PRT:281498

EXCH. ALIEF

TAX DIST. FG004

GEO LOC. W85498

ENGR. **RS**                      DRAWN **SC**

TELEPHONE NO. (281) 352-4644

REC. REF. 240-280-45

MAP REF. 567D

SCALE NONE

ISSUE DATE


PROJ TITLE LIGHTGIG-4130LC-DIST-AF

REV. NUMBER

DATE REV.

--Proprietary--

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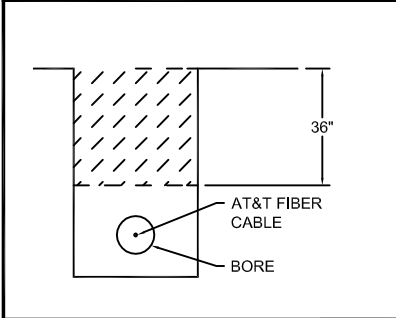


**BLACK & VEATCH**

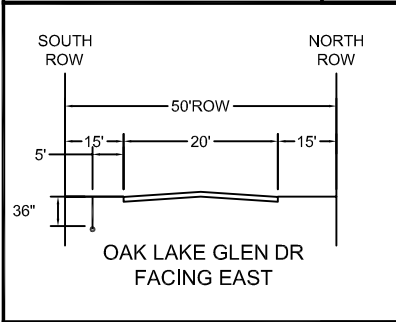
DESIGN ENGINEER CONTACT:  
LEX MULLINS  
BLACK & VEATCH  
(469) 413-3267  
MULLINSL@BV.COM

FORT BEND COUNTY  
PERMIT APP-17372  
SHOWN ON PRINT 16 & 17

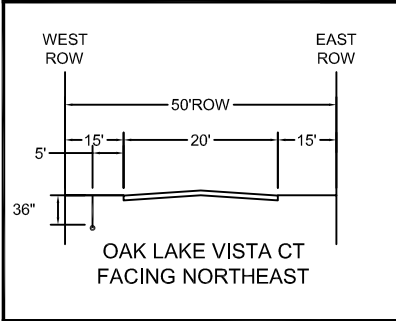
DESIGN SUMMARY:  
-BORE AND PLACE FIBER.



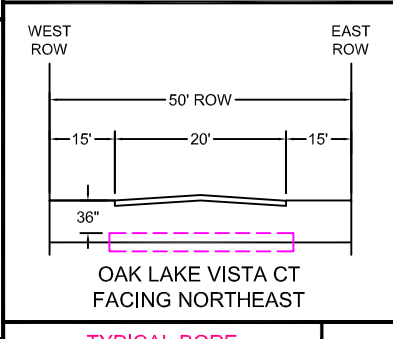
BORE DETAIL NTS



TYPICAL CROSS-SECTION NTS

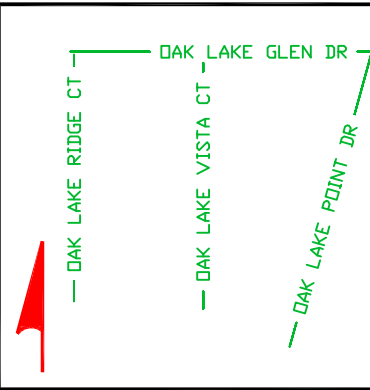


TYPICAL CROSS-SECTION NTS



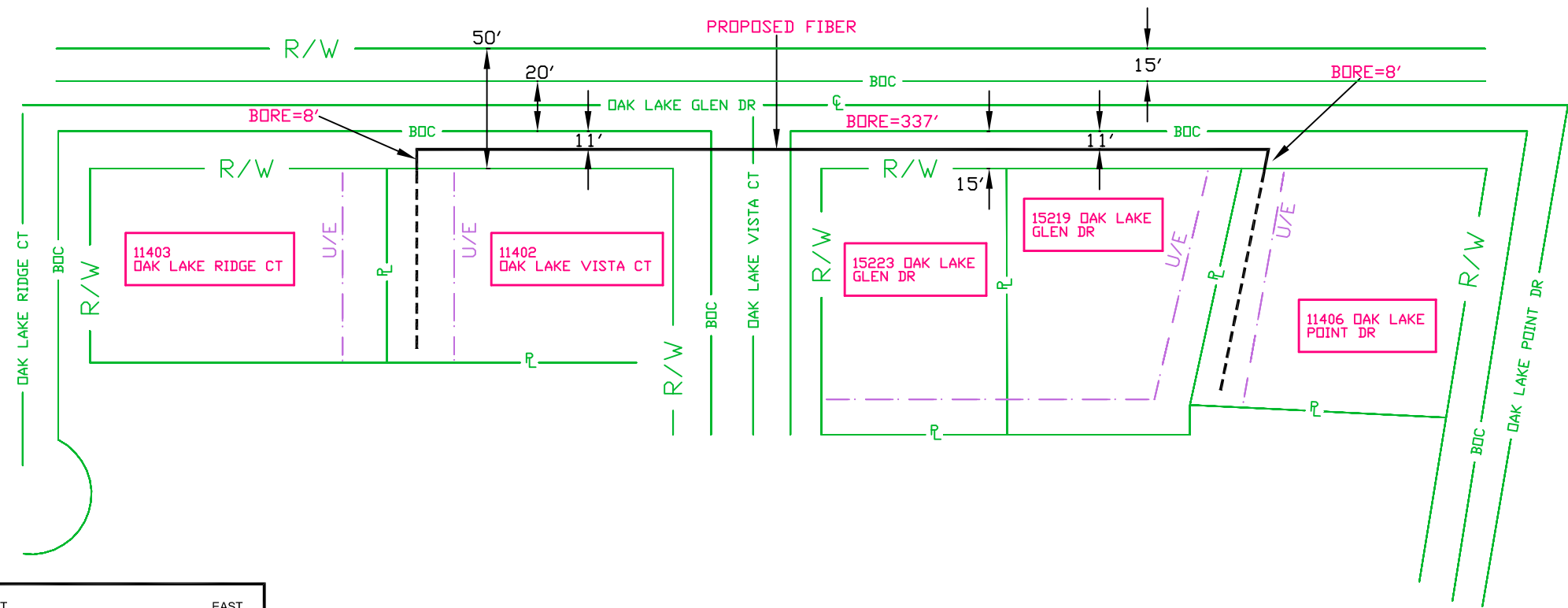
TYPICAL BORE CROSS-SECTION NTS

# FORT BEND COUNTY NOTIFICATION



APPROXIMATE LOCATION MAP

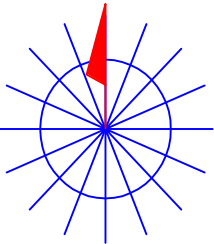
WORK DONE IN FORT BEND COUNTY RIGHT OF WAY - PRINT FOR INFORMATIONAL PURPOSES ONLY



SPECIAL CIRCUITS N

6203 FORWARDED N

PERMIT REQUIRED Y



NORTH ARROW

OPERATING RANGE OF JOB STEPS  
TASK \_\_\_\_\_ TO \_\_\_\_\_  
MFRC

TRANSMISSION ZONE  
RZ 0 CZ 0 TAPER CODE 4130LC

CAUTION HIGH VOLTAGE  
KV 0.00 AERIAL N BURIED N

HIGHWAY PERMIT NO.

Utility CO  
REP NAME  
REP TEL NO.  
POLE CONTACTS (+) 0 (-) 0

Utility CO  
REP NAME  
REP TEL NO.  
POLE CONTACTS (+) 0 (-) 0

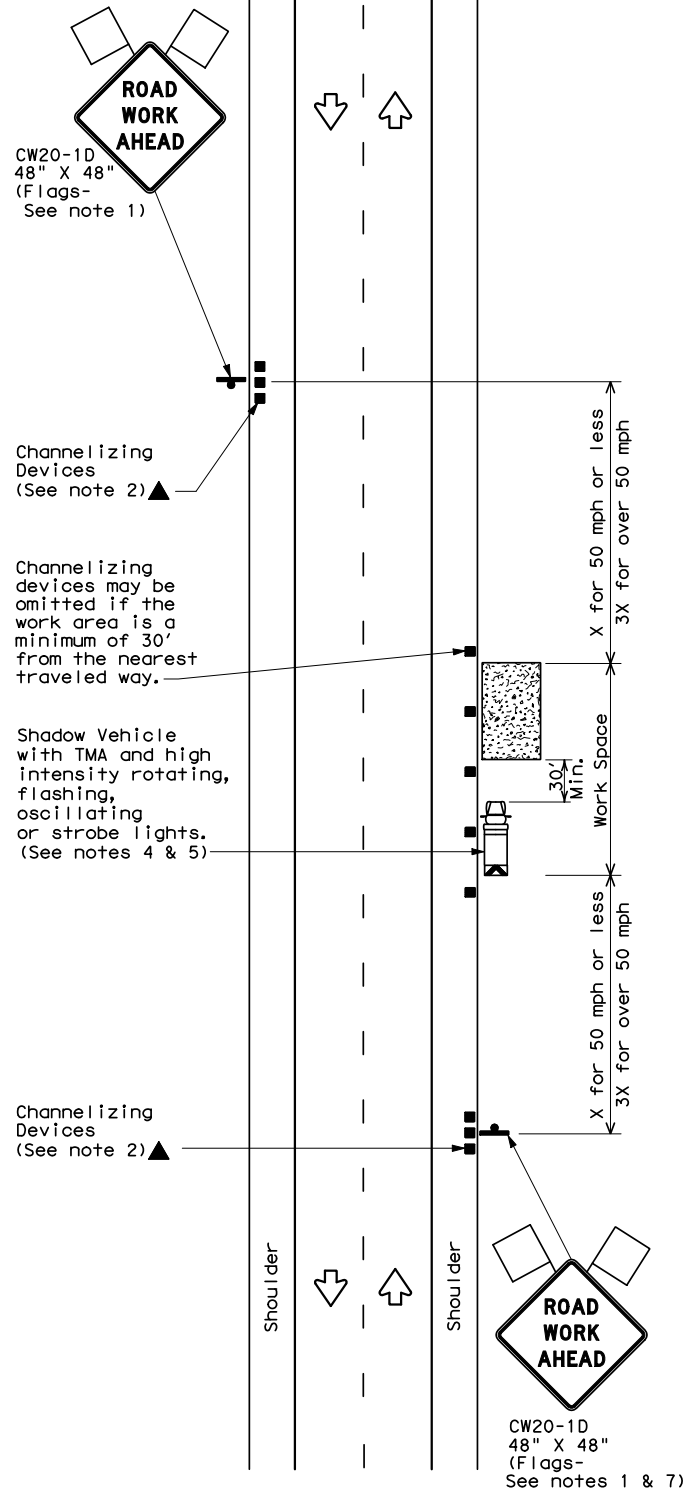
Utility CO  
REP NAME  
REP TEL NO.  
POLE CONTACTS (+) 0 (-) 0

PROJECT NO A00ZP26

TOT.PRINTS 36 PRINT NO. 36  
NPA/NNX: 281-498 PRT:281498  
EXCH. ALIEF  
TAX DIST. FG004  
GEO LOC. W85498  
ENGR. RS DRAWN SC  
TELEPHONE NO. (281) 352-4644  
REC. REF. 240-280-45  
MAP REF. 567D  
SCALE NONE  
ISSUE DATE  
PROJ TITLE LIGHTGIG-4130LC-DIST-AF  
REV. NUMBER  
DATE REV.

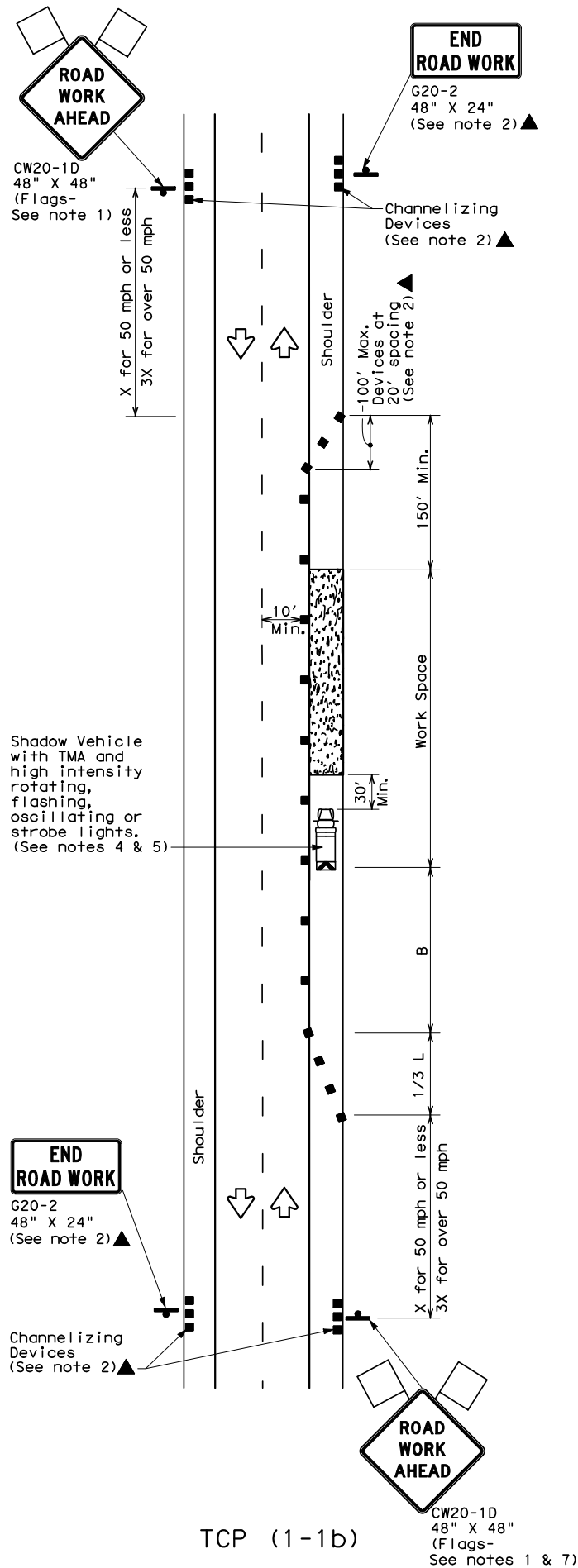
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DATE: FILE:



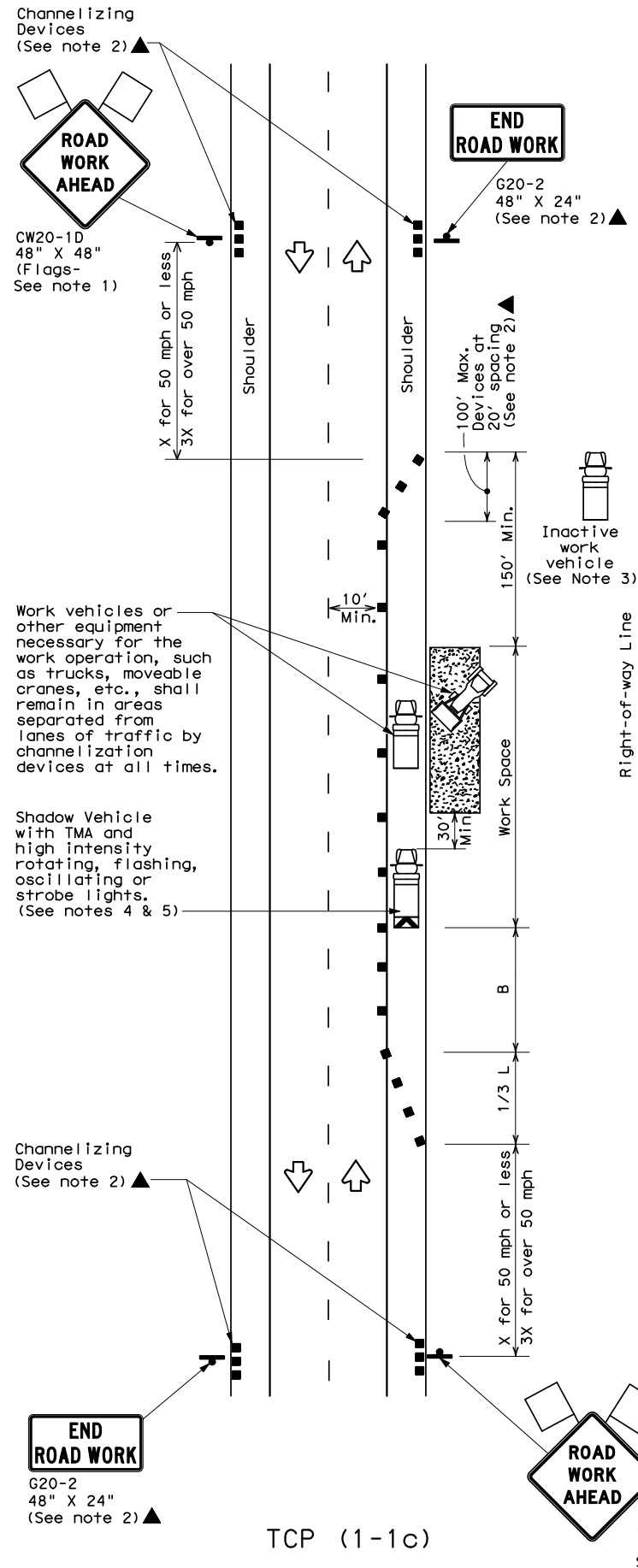
TCP (1-1a)

WORK SPACE NEAR SHOULDER  
Conventional Roads



TCP (1-1b)

WORK SPACE ON SHOULDER  
Conventional Roads



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

- Flags attached to signs where shown are REQUIRED.
- 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.
- Inactive work vehicles or other equipment should be parked near the right-of-way line and not parked on the paved shoulder.
- 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.
- Additional Shadow Vehicles with TMAs may be positioned off the paved surface, next to those shown in order to protect wider work spaces.
- See TCP(5-1) for shoulder work on divided highways, expressways and freeways.
- 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.

Texas Department of Transportation  
Traffic Operations Division

## TRAFFIC CONTROL PLAN CONVENTIONAL ROAD SHOULDER WORK

TCP(1-1)-12

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