



**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

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Right of Way Permit

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Commercial Driveway Permit

Permit No: 2017-14576

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:

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- a. Name of road, street, and/or drainage ditch affected.
- b. Vicinity map showing course of directions
- c. Plans and specifications

(2) BOND:

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County Attorney, approval when applicable.

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Perpetual bond currently posted.

Bond No:



Amount: \$50,000.00

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Performance bond submitted.

Bond No:

Amount:

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Cashier's Check

Check No:

Amount:

(3) DRAINAGE DISTRICT APPROVAL (WHEN APPLICABLE):

Drainage District Approval

Date

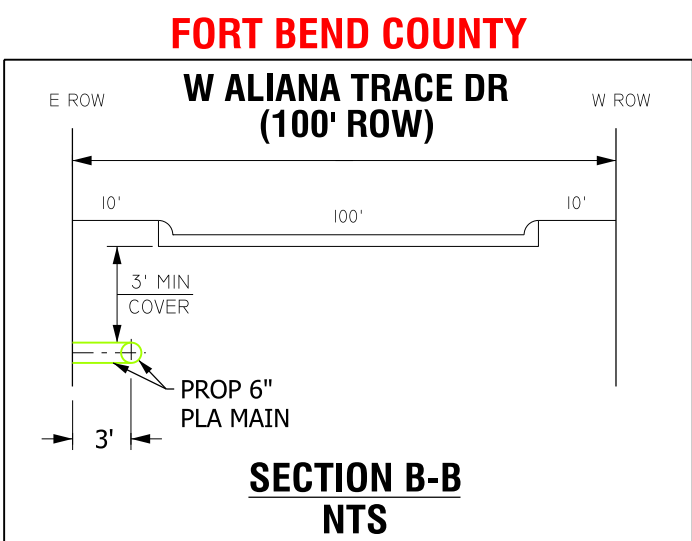
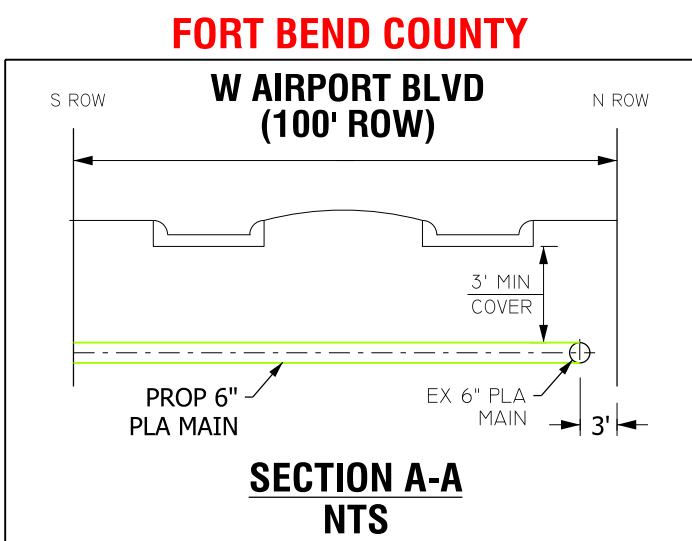
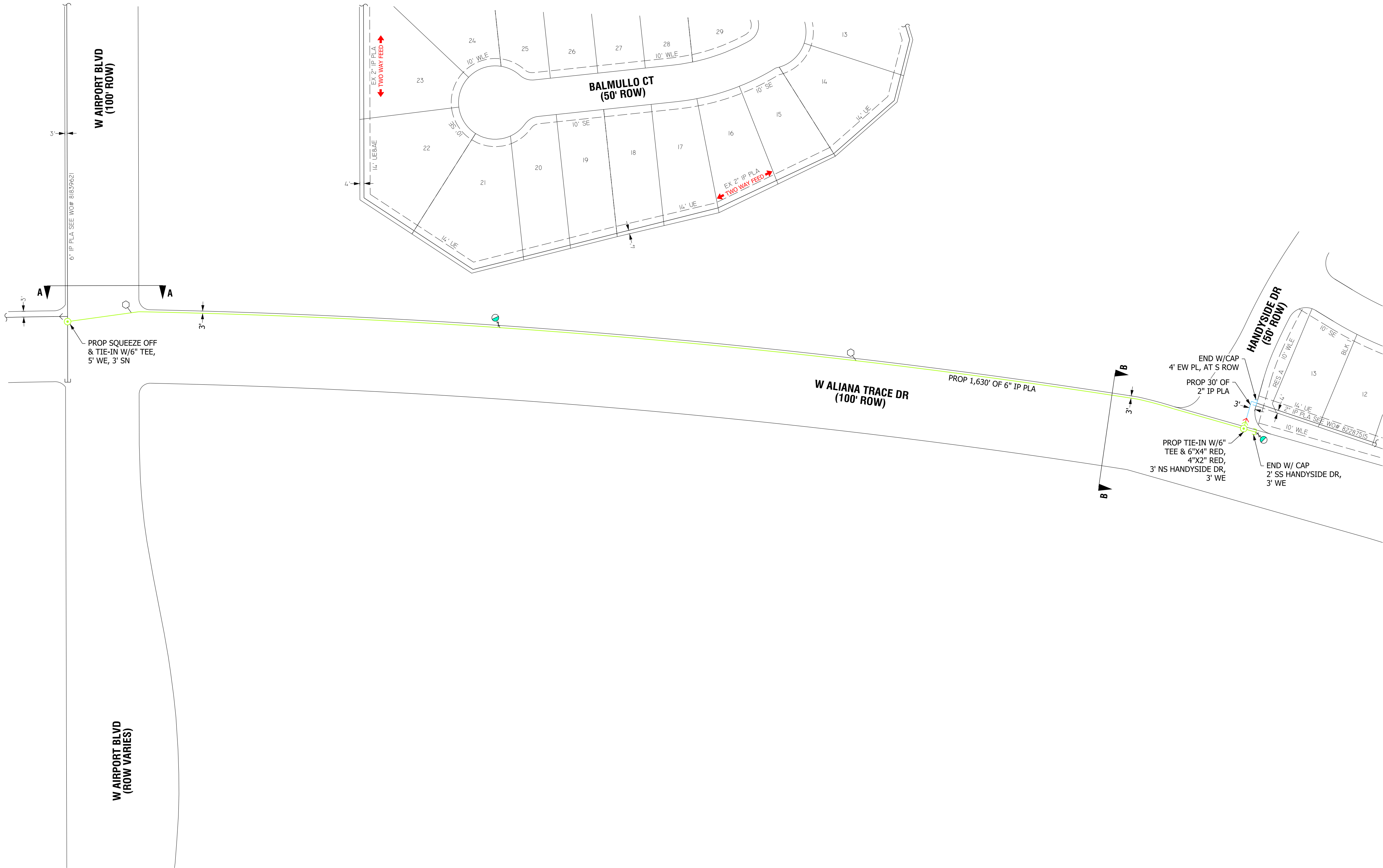
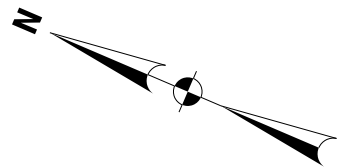
We have reviewed this project and agree it meets minimum requirements.

Permit Administrator

11/16/2017

Date

6/22/2017 12:26:07 PM D:\REVIEWS\2017\ANJUM PERVAIZ\APPROACH TO COAST\APPROACH ALIANA SEC 60\ALIANA SEC 60 APPROACH.DWG



- GENERAL NOTES**
1. FIELD VERIFY & LOCATE ALL EXISTING FEEDS, MAINS, AND SERVICES.
 2. MAINTAIN MIN. DEPTH OF 3' UNLESS OTHERWISE NOTED.
 3. USE GAUGES TO MONITOR & MAINTAIN FEEDS, AND PRESSURE.
 4. CONTACT ENGINEERING ANJUM PERVAIZ (713-207-4619) WITH ANY NECESSARY FIELD CHANGES.
 5. TEST PRESSURE @ 100 PSIG IN ACCORDANCE WITH SECTION CS-B-1.220 OF THE CONSTRUCTION & SERVICE MANUAL.

- GENERAL NOTES:**
- CRITERIA TO BE USED FOR TRACER WIRE SELECTION WHEN INSTALLING PLASTIC GAS LINES
- 1- USE #14 TRACER WIRE FOR ALL RESIDENTIAL SERVICE LINES
 - 2- USE #14 TRACER WIRE FOR SHORT BORES UP TO 300' AND ALL OTHER NON-BORE INSTALLATIONS
 - 3- USE #10 TRACER WIRE WITH ALL BORES LONGER THAN 300'
 - 4- USE #8 TRACER WIRE AS NEEDED FOR LARGE BAYOUT CROSSINGS AND OTHER EXTRAORDINARY SITUATIONS AND COMPLEX BORES
- INSPECTOR APPROVAL REQUIRED PRIOR TO WORK

GAS STAKING			
JOB NO:	BY:	DATE:	
ESMTS. DED. BY:	ESMT. DOCUMENTS:		
MONUMENTATION FND.:	PLAT DIST. CHK.=D:		
ESMTS. NEEDED AT:			
NON-STD. STAKING:	REASON:		

LEGEND AND NOTES	
EXISTING MAIN	_____
PROP 6" IP PLA MAIN SDR 11.5, PE 2406/2708 WO#: 82287395	<u>1,630'</u>
PROP 2" IP PLA MAIN SDR 11, PE 2406/2708 WO#: 82287395	<u>30'</u>
PROP TEE	○
PROP LOC TEST STA	⊗
PROP 5# ZINC ANODE	⊕
PERMIT: FORT BEND COUNTY	
GCO#: 37842	
STAKING REQUEST#:82287395	

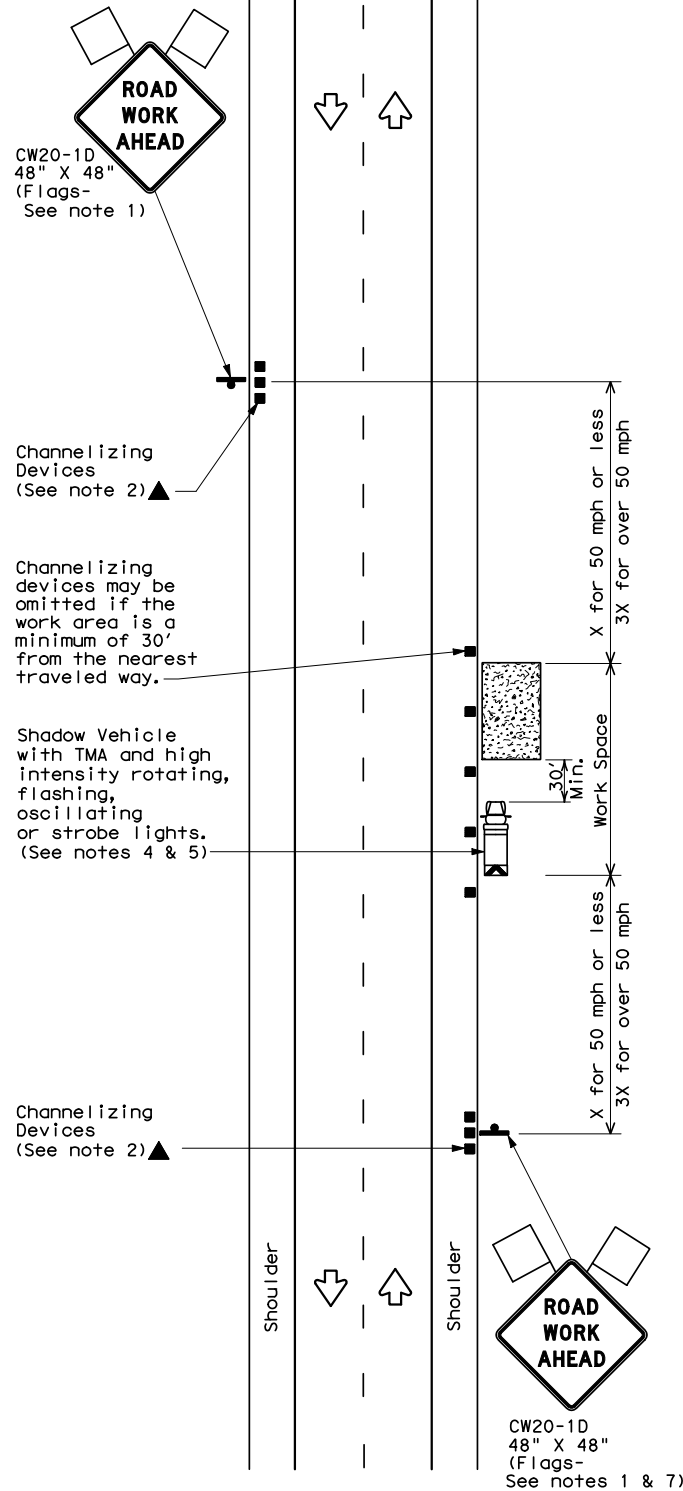
DESIGNED BY: ANJUM PERVAIZ	713-207-4619	RECOMMENDED BY:	MASON BUTLER IV	DATE:	06/01/2017	DRAWN BY: JOHN CROWELL	DATE: 05/24/2017
DATE NEEDED:	ESTIMATED COST: \$					SCALE: 1/80	SHEET: 1 OF 1
START DATE:	CONTRIBUTION: \$	APPROVED BY:	LOREAN CASTRO	DATE:	06/02/2017		
ESTIMATED COMPLETE DATE:							
PURPOSE AND NECESSITY: TO SERVE ALIANA SEC 60							

**6" APPROACH TO SERVICE
ALIANA SEC 60
RICHMOND, TX**

**CenterPoint
Energy**
Texas Region - Houston Gas Engineering
DWG No: **ED4-17622**

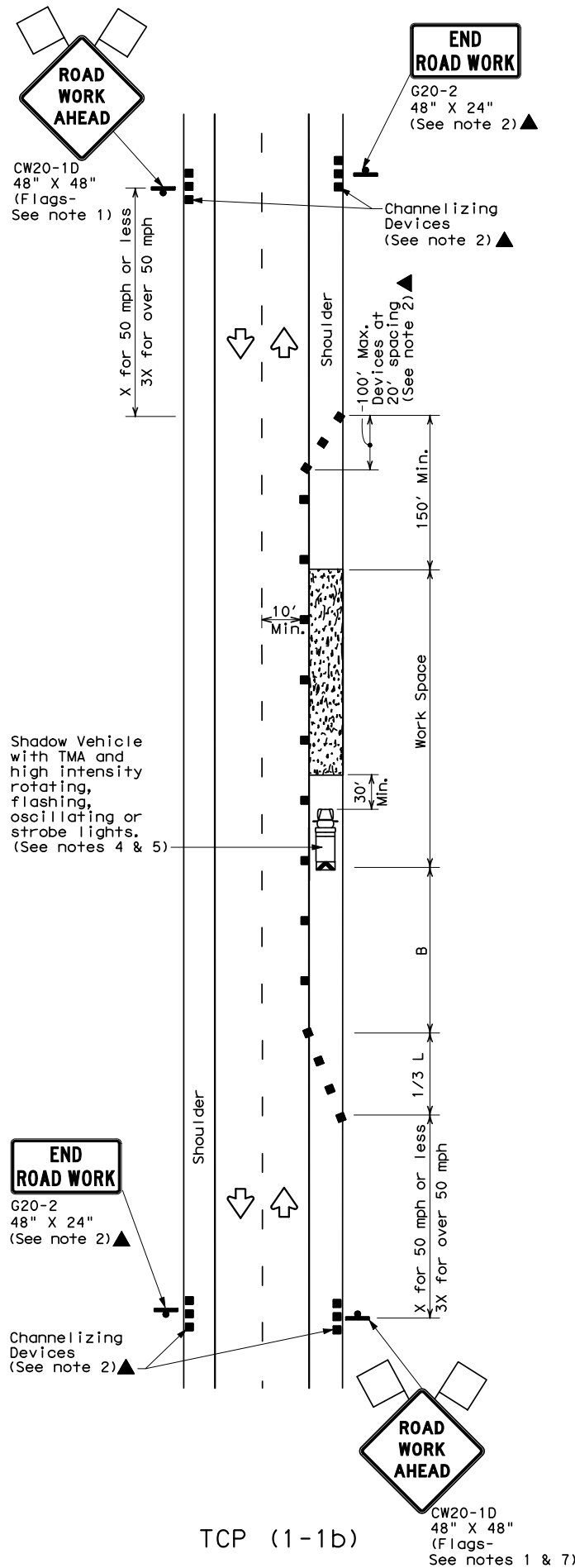
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DATE: FILE:



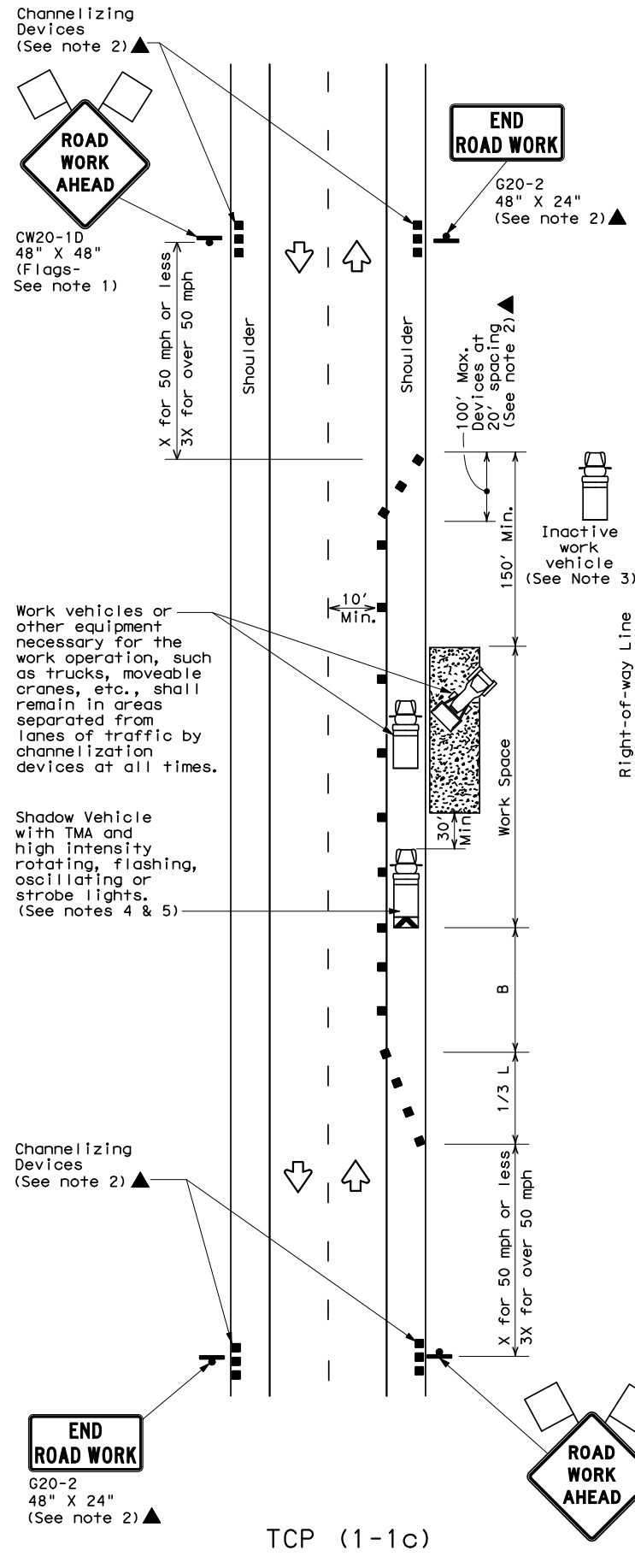
TCP (1-1a)

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.