



**REVIEW BY FORT BEND COUNTY
COMMISSIONERS COURT**

**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: 2018-22122

Applicant: CenterPoint Energy

Job Location Site: 10197 W Grand Parkway S, Richmond, TX 77407

Bond No. [REDACTED] **Date of Bond:** 4/28/1988 **Amount:** \$50,000.00

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 portal.
3. This permit expires one (1) year from date of permit if construction has not commenced.

On this 7th day of August, 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

By: 
County Engineer

Presented to Commissioners Court and approved.

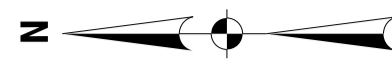
Date Recorded _____ Comm. Court No. _____

N/A

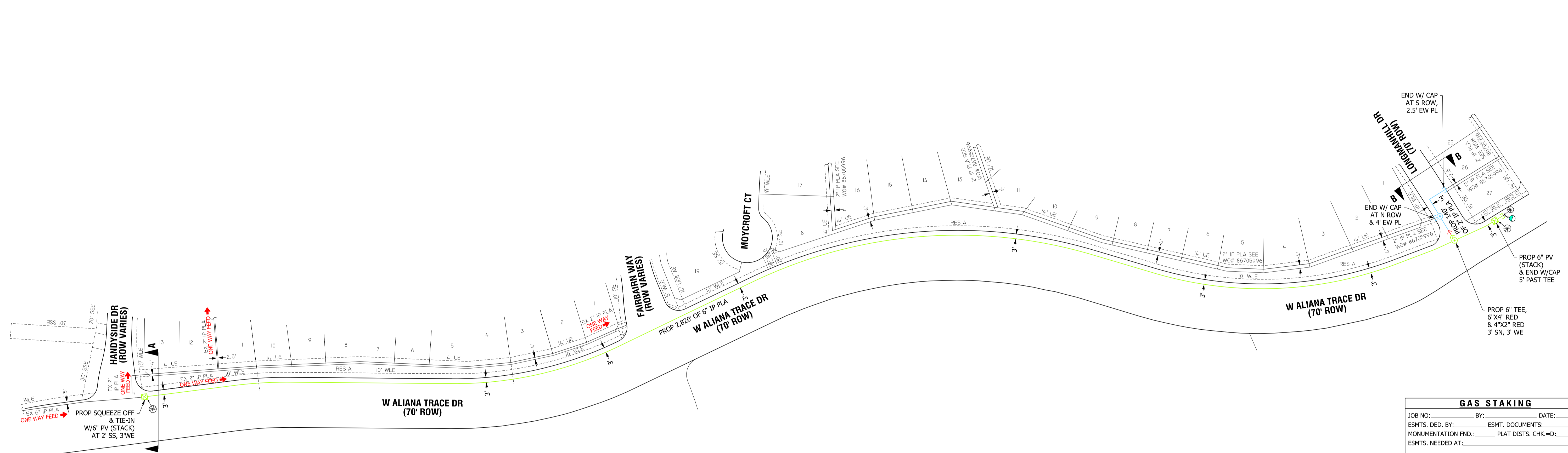
By: _____
Drainage District Engineer/Manager

Clerk of Commissioners Court

By: _____
Deputy

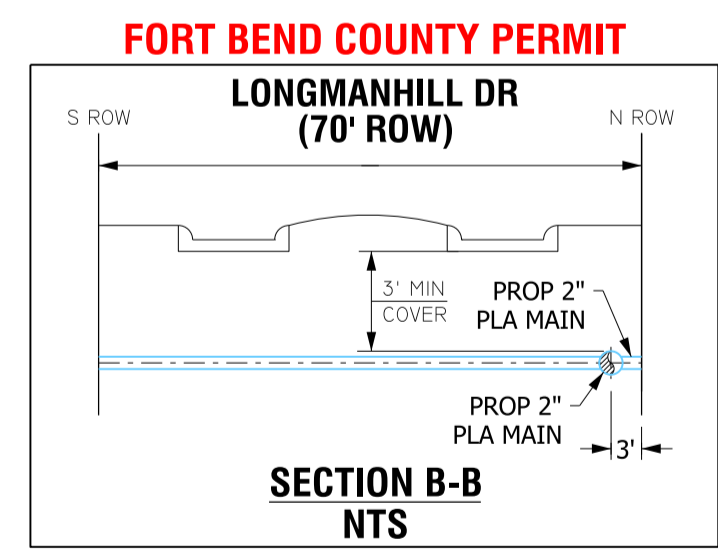
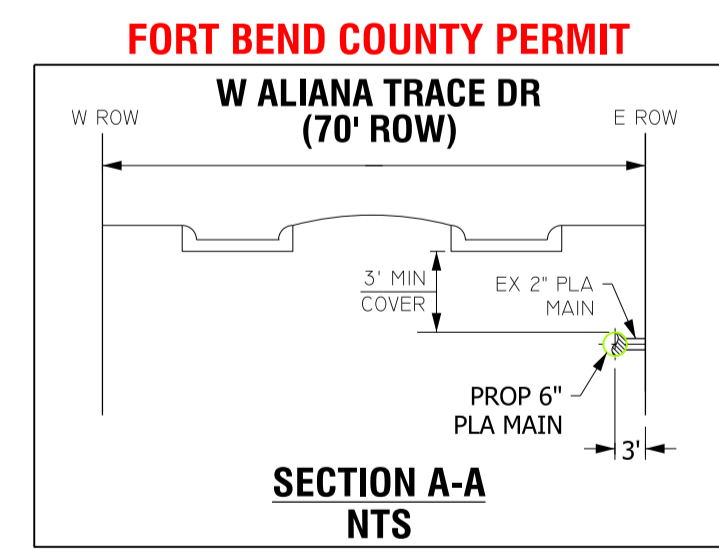


PERMITS REQUIRED FOR CONSTRUCTION	
<input type="checkbox"/>	NO PERMITS REQUIRED:
<input type="checkbox"/>	CITY:
<input type="checkbox"/>	TXDOT:
<input checked="" type="checkbox"/>	COUNTY: FORT BEND
<input type="checkbox"/>	FLOOD CONTROL/DRAINAGE:
<input type="checkbox"/>	RAILROAD:



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 2" IP PLA MAIN	140'
SDR 11.0, PE 2406/2708	
WO#: 86706001	
PROP 6" IP PLA MAIN	2,820'
SDR 11.5, PE 2406/2708	
WO#: 86706001	
PROP 5# ZINC ANODE	
PROP MARKER BALL	
PERMIT: FORT BEND	
GCO#: 39952	
STAKING REQUEST#: 86706001	



- 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 (SUONG "VICTORIA" PHAM 713-207-4615) WITH ANY NECESSARY FIELD CHANGES.
 5. TEST PRESSURE @ 100 PSIG IN ACCORDANCE WITH SECTION CS-B-1.220 OF THE CONSTRUCTION & SERVICE MANUAL.
 6. THIS PROJECT IS SUBJECT TO SEWER LATERAL INSPECTION TO VERIFY CLEARANCE, PER THE OPTIONS STATED IN THE CONSTRUCTION AND SERVICE MANUAL. ENGINEERING WAS UNABLE TO VERIFY THE CLEARANCE WITH MAPS AND RECORDS.

- 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 BAYOU CROSSINGS AND OTHER EXTRAORDINARY SITUATIONS AND COMPLEX BORES
 - INSPECTION APPROVAL REQUIRED PRIOR TO WORK

DESIGNED BY: SUONG "VICTORIA" PHAM	713-207-4615	RECOMMENDED BY:	DATE:
DATE NEEDED: 11/16/2018	ESTIMATED COST: \$	APPROVED BY:	DATE:
START DATE:	CONTRIBUTION: \$		
ESTIMATED COMPLETE DATE:			
PURPOSE AND NECESSITY: TO SERVE 58 LOTS IN ALIANA SECTION 63, RICHMOND, TX.			

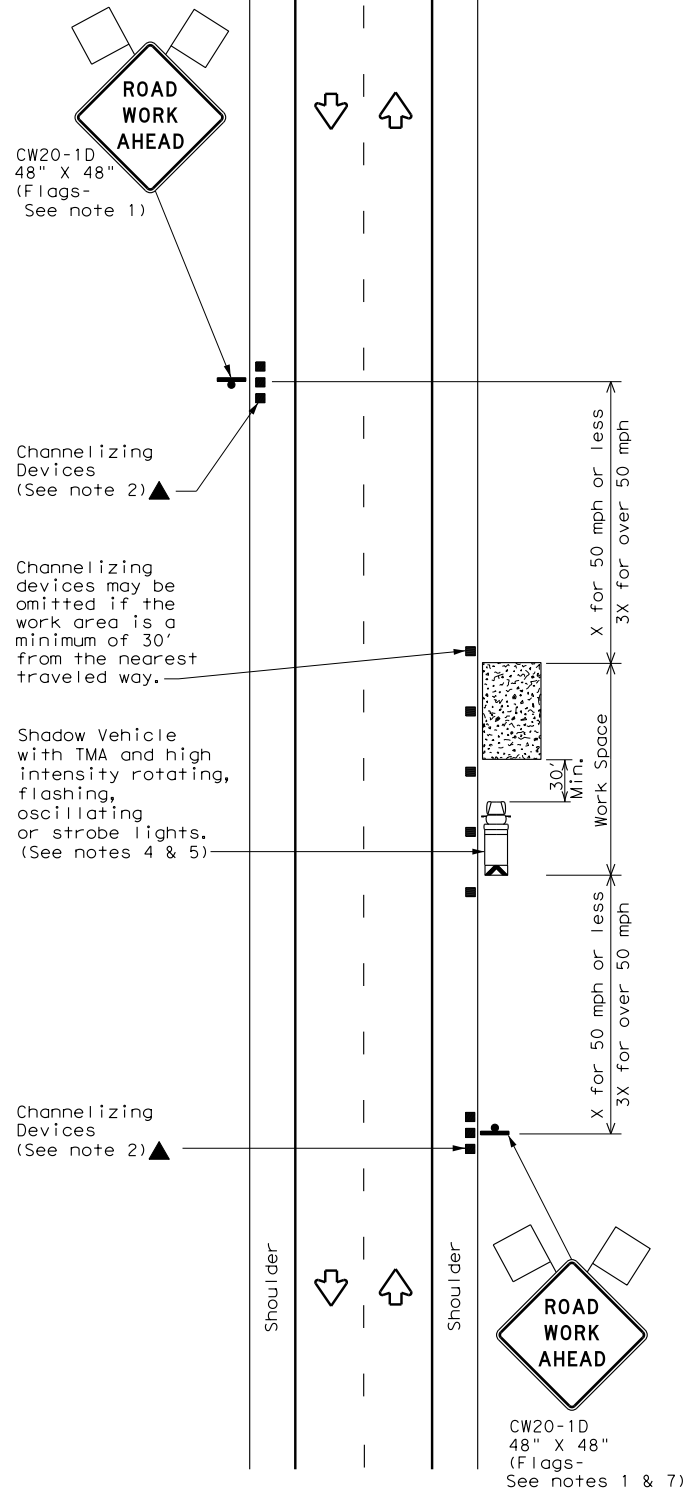
DRAWN BY: E. SILVA	DATE: 06/25/2018
SCALE: 1:100	SHEET: 1 OF 1

**ALIANA SECTION 63
MAIN APPROACH
RICHMOND, TX**

CenterPoint Energy
Texas Region - Houston Gas Engineering
DWG No: **ED5-19135**

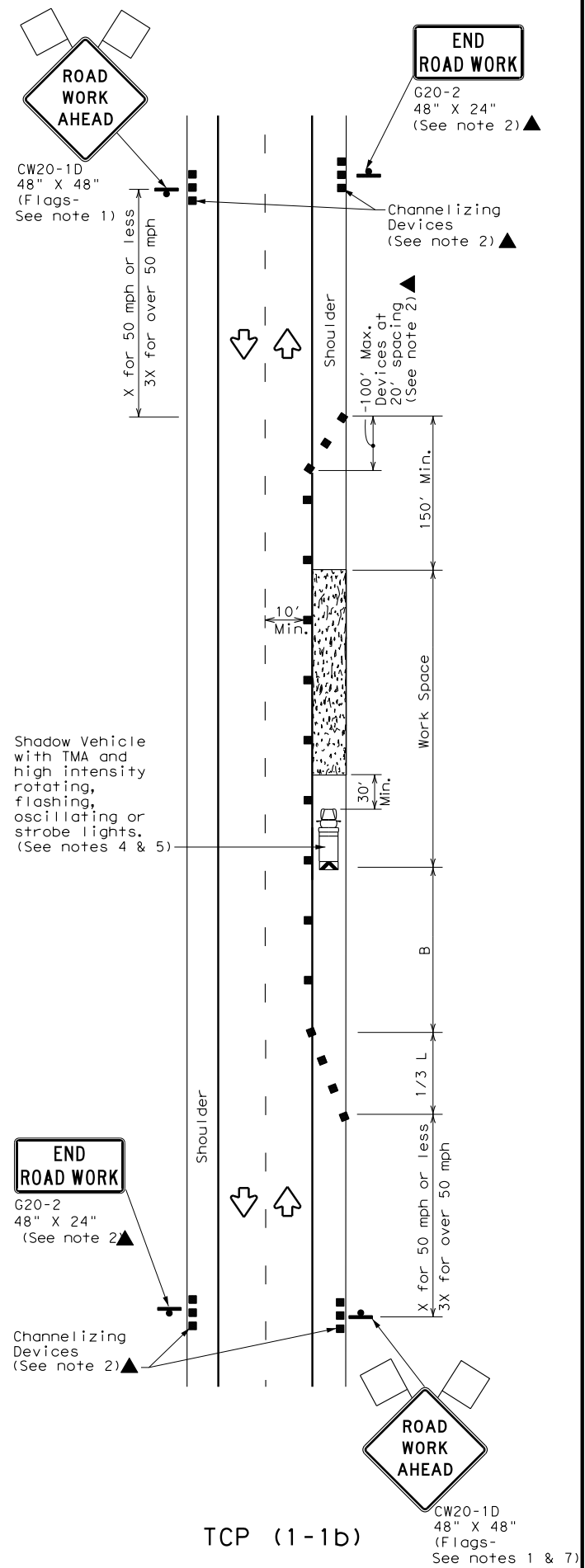
6/29/2018 9:52:52 AM D:\VENUE\2018\ALIANA\17\CD\APPROACH\ALIANA_SEC_63\ED5-19135.dwg

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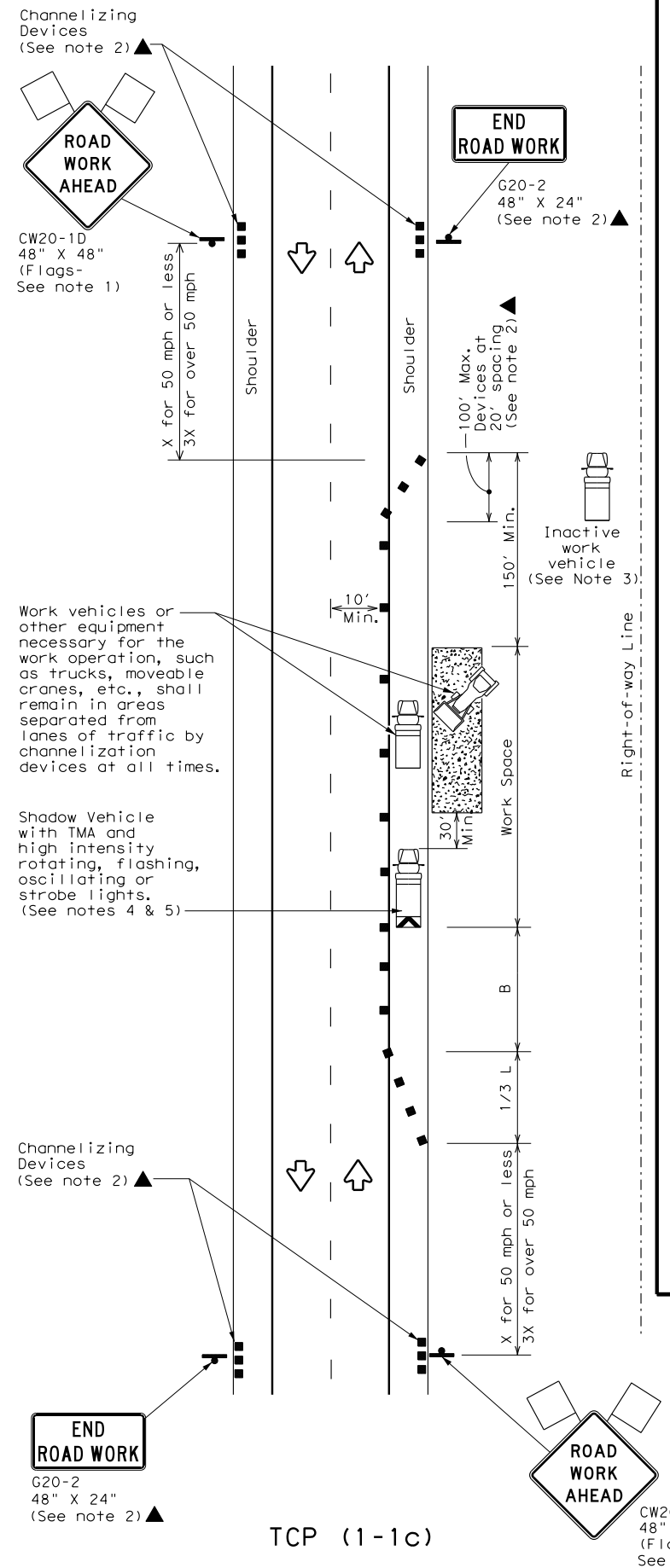
TCP (1-1a)

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 = 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.



TRAFFIC CONTROL PLAN
CONVENTIONAL ROAD
SHOULDER WORK

TCP (1-1) - 18

FILE: tcp1-1-18.dgn	DN:	CK:	DW:	CK:
© TxDOT December 1985	CONT	SECT	JOB	HIGHWAY
REVISIONS				
2-94 4-98				
8-95 2-12				
1-97 2-18				
DIST	COUNTY	SHEET NO.		

DATE:
FILE: