

**REVIEW BY FORT BEND COUNTY COMMISSIONERS COURT**

On this 25th day of October, 2016, Commissioners Court came on to be heard and reviewed the accompanying notice of CenterPoint Energy Job Location Lakehead Lane, Richmond, TX 77407 Date 4/28/1988 Bond No. 22-022-417, Permit No. 2016-9830 to make use of certain Fort Bend County property subject to, "A Revised 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 the 3rd day of August, 1987, recorded in Volume \_\_\_\_\_ of the Minutes of the Commissioners Court of Fort Bend County, Texas, to the extent that such order is not inconsistent with Article 1436a, Vernon's Texas Civil Statutes. Upon Motion of Commissioner Meyers, seconded by Commissioner Prestup, 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.

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

Mail notices to: Permit Administrator  
Fort Bend County Engineering  
301 Jackson Street  
Richmond, Texas 77469  
281-633-7500
3. This permit expires one (1) year from date of permit if construction has not commenced.

By:

Charles O. Dy  
County Engineer

Presented to Commissioners Court and approved.

Recorded in Volume  
10-25-14 14J  
Minutes of Commissioners Court

N/A

By:

\_\_\_\_\_  
Drainage District Engineer/Manager

Clerk of Commissioners Court

By:

Ronda Wilber  
Deputy



**CenterPoint Energy**  
Fort Bend County Gas Utility

PROJECT WOB# 79544990  
 FACET F30390686  
 OP MAP C03090680  
 KM 526P  
 LAMBERT 4554C4  
 TC N/A  
 SZ 078  
 SOG 08850

**LEGEND:**  
 EXISTING MAIN  
 PROP. 4" IP PLA, SDR 11.5  
 PE 24062708  
 W.O.# 79544990

PROP. 5# ZINC ANODE  
 PROP. TEE

TEST PRESSURE 100 PSIG  
 GCO# 38677

STAKING REQUEST# 79544990

**GENERAL NOTES:**  
 1- CRITERIA TO BE USED FOR TRACER WIRE SELECTION WHEN INSTALLING WIRE:  
 A- USE #14 TRACER WIRE FOR ALL RESIDENTIAL SERVICE LINES.  
 B- USE #14 TRACER WIRE FOR SHORT BORES UP TO 300' AND ALL OTHER NON-SHORE INSTALLATIONS.  
 C- BORES LONGER THAN 300' MUST BE INSTALLED WITH ALL BORES LONGER THAN 300' FOR LARGE BAYOU CROSSINGS AND OTHER EXTRAORDINARY SITUATIONS AND COMPLEX BORES MUST HAVE APPROVAL REQUIRED PRIOR TO WORK.  
 X, Y LOC: 3038851.83, 687696.3

**GRAND MISSION ESTATES MAIN APPROACH**

**PURPOSE:**  
 TO SERVE GAS TO GRAND MISSION ESTATES COMMUNITY IN FORT BEND COUNTY TEXAS

DESIGNER: MISAEAL ALVAREZ  
 PHONER: 713-207-4699  
 DRAWN BY: CORWIN KELLEY  
 DESIGN DATE: 09/14/2016

ESTIMATED COST:  
 CONTRIBUTION:  
 DATE NEEDED:  
 RECOMMENDED BY:

DATE:  
 APPROVED BY:  
 DATE:

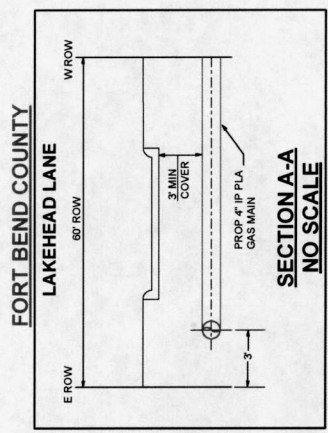
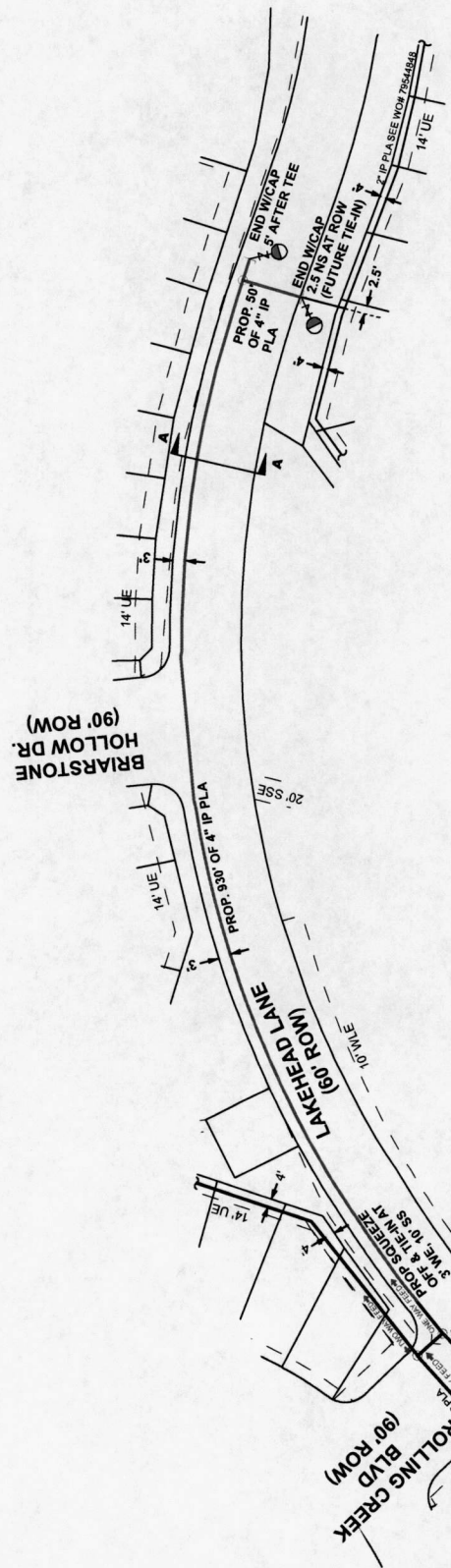
SCALE: 1" = 100'  
 SHEET: 1 OF 1

**GAS STAKING**

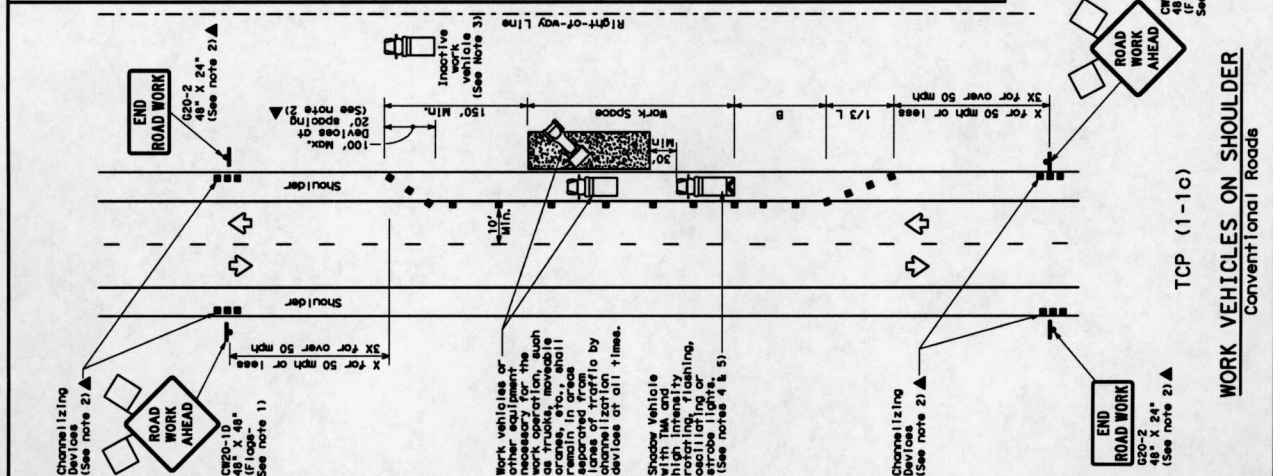
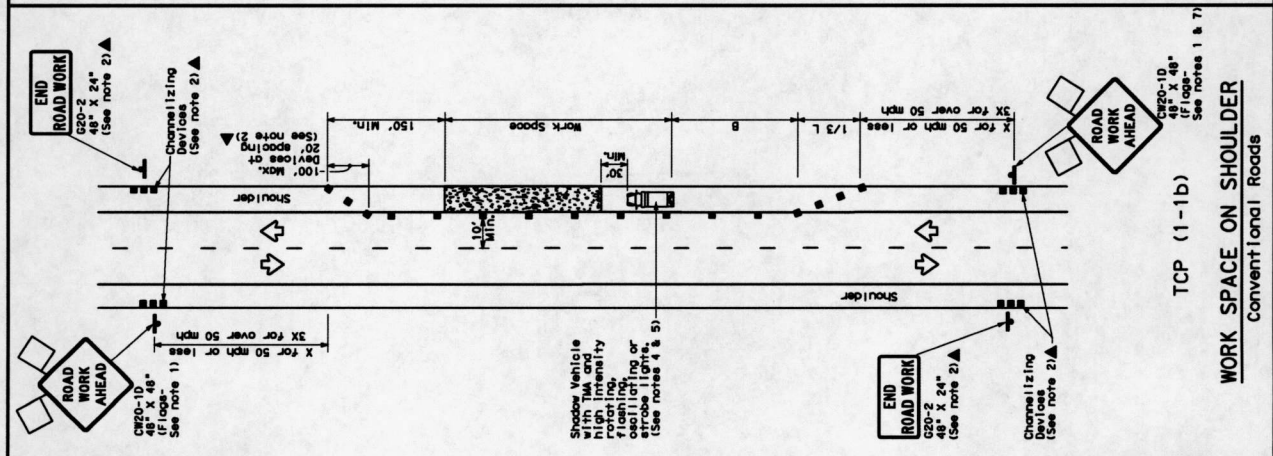
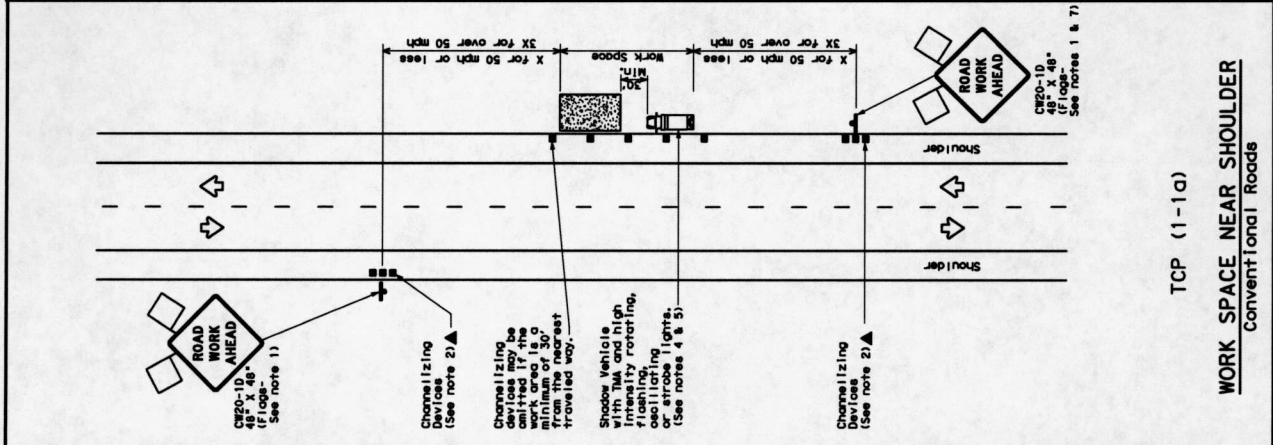
JOB NO. \_\_\_\_\_ BY \_\_\_\_\_ DATE \_\_\_\_\_  
 ESMTS. DED. BY \_\_\_\_\_ ESMT. DOCUMENTS \_\_\_\_\_  
 MONUMENTATION FND. \_\_\_\_\_ PLAT DIST. CHK=D \_\_\_\_\_  
 ESMTS. NEEDED AT \_\_\_\_\_  
 NON-STD. STAKING \_\_\_\_\_ REASON: \_\_\_\_\_

**QA / QC**

DRFT: \_\_\_\_\_  
 CHK: \_\_\_\_\_  
 ENG: \_\_\_\_\_



DISCLAIMER: The use of this standard is governed by the Texas Engineering Practice Act. No warranty of any kind is made by any person or organization for the content, accuracy, or reliability of the information or data provided herein. The user of this standard is responsible for the content, accuracy, or reliability of the information or data provided herein. No warranty of any kind is made by any person or organization for the content, accuracy, or reliability of the information or data provided herein.



**LEGEND**

Type 3 Barricade	Channelizing Device
Trailer Mounted Flashing Arrow Board	Trailer Mounted Flashing Arrow Board
Sign	Traffic Flow
Flag	Flagger

Posted Speed	Formula	Minimum Sign Spacing	Minimum Sign Spacing (On a 10' Spacing)	Minimum Sign Spacing (On a 15' Spacing)	Minimum Sign Spacing (On a 20' Spacing)	Minimum Sign Spacing (On a 25' Spacing)	Minimum Sign Spacing (On a 30' Spacing)	Minimum Sign Spacing (On a 35' Spacing)	Minimum Sign Spacing (On a 40' Spacing)	Minimum Sign Spacing (On a 45' Spacing)	Minimum Sign Spacing (On a 50' Spacing)	Minimum Sign Spacing (On a 55' Spacing)	Minimum Sign Spacing (On a 60' Spacing)	Minimum Sign Spacing (On a 65' Spacing)	Minimum Sign Spacing (On a 70' Spacing)	Minimum Sign Spacing (On a 75' Spacing)	Minimum Sign Spacing (On a 80' Spacing)	Minimum Sign Spacing (On a 85' Spacing)	Minimum Sign Spacing (On a 90' Spacing)	Minimum Sign Spacing (On a 95' Spacing)	Minimum Sign Spacing (On a 100' Spacing)	Minimum Sign Spacing (On a 105' Spacing)	Minimum Sign Spacing (On a 110' Spacing)	Minimum Sign Spacing (On a 115' Spacing)	Minimum Sign Spacing (On a 120' Spacing)	Minimum Sign Spacing (On a 125' Spacing)	Minimum Sign Spacing (On a 130' Spacing)	Minimum Sign Spacing (On a 135' Spacing)	Minimum Sign Spacing (On a 140' Spacing)	Minimum Sign Spacing (On a 145' Spacing)	Minimum Sign Spacing (On a 150' Spacing)	Minimum Sign Spacing (On a 155' Spacing)	Minimum Sign Spacing (On a 160' Spacing)	Minimum Sign Spacing (On a 165' Spacing)	Minimum Sign Spacing (On a 170' Spacing)	Minimum Sign Spacing (On a 175' Spacing)	Minimum Sign Spacing (On a 180' Spacing)	Minimum Sign Spacing (On a 185' Spacing)	Minimum Sign Spacing (On a 190' Spacing)	Minimum Sign Spacing (On a 195' Spacing)	Minimum Sign Spacing (On a 200' Spacing)	Minimum Sign Spacing (On a 205' Spacing)	Minimum Sign Spacing (On a 210' Spacing)	Minimum Sign Spacing (On a 215' Spacing)	Minimum Sign Spacing (On a 220' Spacing)	Minimum Sign Spacing (On a 225' Spacing)	Minimum Sign Spacing (On a 230' Spacing)	Minimum Sign Spacing (On a 235' Spacing)	Minimum Sign Spacing (On a 240' Spacing)	Minimum Sign Spacing (On a 245' Spacing)	Minimum Sign Spacing (On a 250' Spacing)	Minimum Sign Spacing (On a 255' Spacing)	Minimum Sign Spacing (On a 260' Spacing)	Minimum Sign Spacing (On a 265' Spacing)	Minimum Sign Spacing (On a 270' Spacing)	Minimum Sign Spacing (On a 275' Spacing)	Minimum Sign Spacing (On a 280' Spacing)	Minimum Sign Spacing (On a 285' Spacing)	Minimum Sign Spacing (On a 290' Spacing)	Minimum Sign Spacing (On a 295' Spacing)	Minimum Sign Spacing (On a 300' Spacing)																																																																																																																																			
30	$L = \frac{MS^2}{60}$	150'	165'	180'	195'	210'	225'	240'	255'	270'	285'	300'	315'	330'	345'	360'	375'	390'	405'	420'	435'	450'	465'	480'	495'	510'	525'	540'	555'	570'	585'	600'	615'	630'	645'	660'	675'	690'	705'	720'	735'	750'	765'	780'	795'	810'	825'	840'	855'	870'	885'	900'	915'	930'	945'	960'	975'	990'	1005'	1020'	1035'	1050'	1065'	1080'	1095'	1110'	1125'	1140'	1155'	1170'	1185'	1200'	1215'	1230'	1245'	1260'	1275'	1290'	1305'	1320'	1335'	1350'	1365'	1380'	1395'	1410'	1425'	1440'	1455'	1470'	1485'	1500'	1515'	1530'	1545'	1560'	1575'	1590'	1605'	1620'	1635'	1650'	1665'	1680'	1695'	1710'	1725'	1740'	1755'	1770'	1785'	1800'	1815'	1830'	1845'	1860'	1875'	1890'	1905'	1920'	1935'	1950'	1965'	1980'	1995'	2010'	2025'	2040'	2055'	2070'	2085'	2100'	2115'	2130'	2145'	2160'	2175'	2190'	2205'	2220'	2235'	2250'	2265'	2280'	2295'	2310'	2325'	2340'	2355'	2370'	2385'	2400'	2415'	2430'	2445'	2460'	2475'	2490'	2505'	2520'	2535'	2550'	2565'	2580'	2595'	2610'	2625'	2640'	2655'	2670'	2685'	2700'	2715'	2730'	2745'	2760'	2775'	2790'	2805'	2820'	2835'	2850'	2865'	2880'	2895'	2910'	2925'	2940'	2955'	2970'	2985'	3000'

\* 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	LONG TERM STATIONARY
✓	✓	✓	✓

**GENERAL NOTES**

- Flags attached to signs where shown are REQUIRED.
- For construction or maintenance activities, except those described in the project GENERAL NOTES for Item 502, Barricades, Signs and Traffic Handling.
- Inoperative work vehicles or other equipment should be parked near the right-of-way and not parked on the road shoulder. If a work vehicle is parked on the road shoulder, it should be positioned so that it does not obstruct the view of the work area. If a work vehicle is parked on the road shoulder, it should be positioned so that it does not obstruct the view of the work area.
- 30 to 100 feet in advance 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 should be used to protect the work area.
- Additional Shadow Vehicles with TMA may be positioned off the road surface, next to those shown in order to protect wider work spaces.
- See TCP 15-11 for shoulder work on divided highways, expressways and freeways.
- "ROAD WORK AHEAD" signs may be used in place of CP20-10 roadwork signs for shoulder work on conventional roadways.

For construction or maintenance activities, 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

**TEXAS DEPARTMENT OF TRANSPORTATION**  
Traffic Operations Division

DATE: 1-12  
BY: JES  
CHECKED: JES  
APPROVED: JES

**WORK VEHICLES ON SHOULDER**  
Conventional Roads

TCP (1-1c)

**WORK SPACE ON SHOULDER**  
Conventional Roads

TCP (1-1b)

**WORK SPACE NEAR SHOULDER**  
Conventional Roads

TCP (1-1a)

**END WORK ROAD WORK AHEAD**  
48" X 24" (See note 2)

TCP (1-1) - 12

**END WORK ROAD WORK AHEAD**  
48" X 48" (F flags - See note 1)

TCP (1-1) - 12

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