

**Fort Bend County
Engineering Department**
301 Jackson Suite 401
Richmond, Texas 77469
281.633.7500
Permits@fortbendcountytexas.gov

Deputy



**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@fortbendcountytexas.gov

- ☒ Right of Way Permit
☐ Commercial Driveway Permit

Permit No: 2017-14240

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: \$50,000.00
- ☐ Performance bond submitted. Bond No: _____ Amount: _____
- ☐ Cashier's Check Check No: _____ Amount: _____

(3) DRAINAGE DISTRICT APPROVAL (WHEN APPLICABLE):

Drainage District Approval

Date

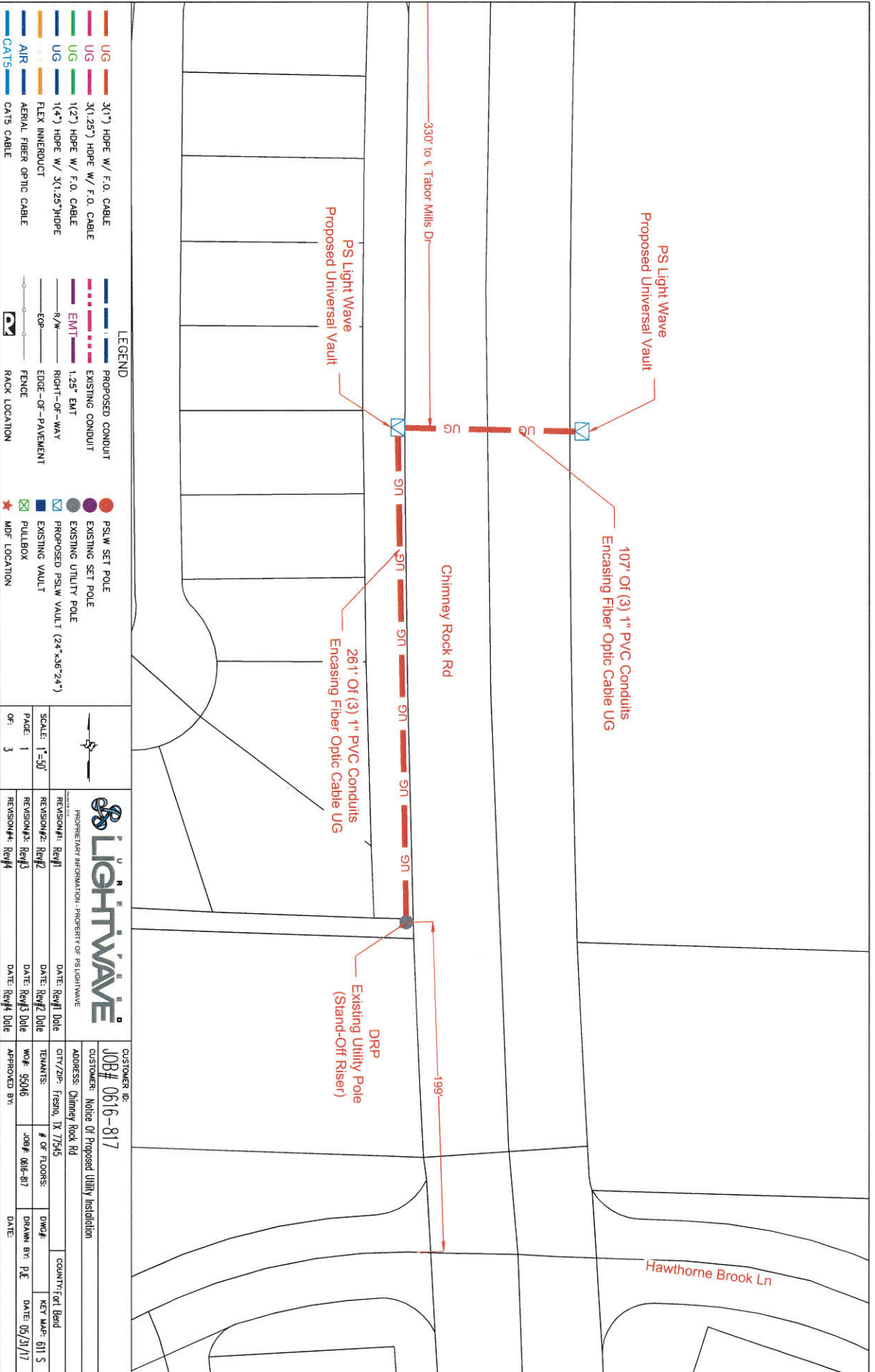
We have reviewed this project and agree it meets minimum requirements.

Charles O. Ay

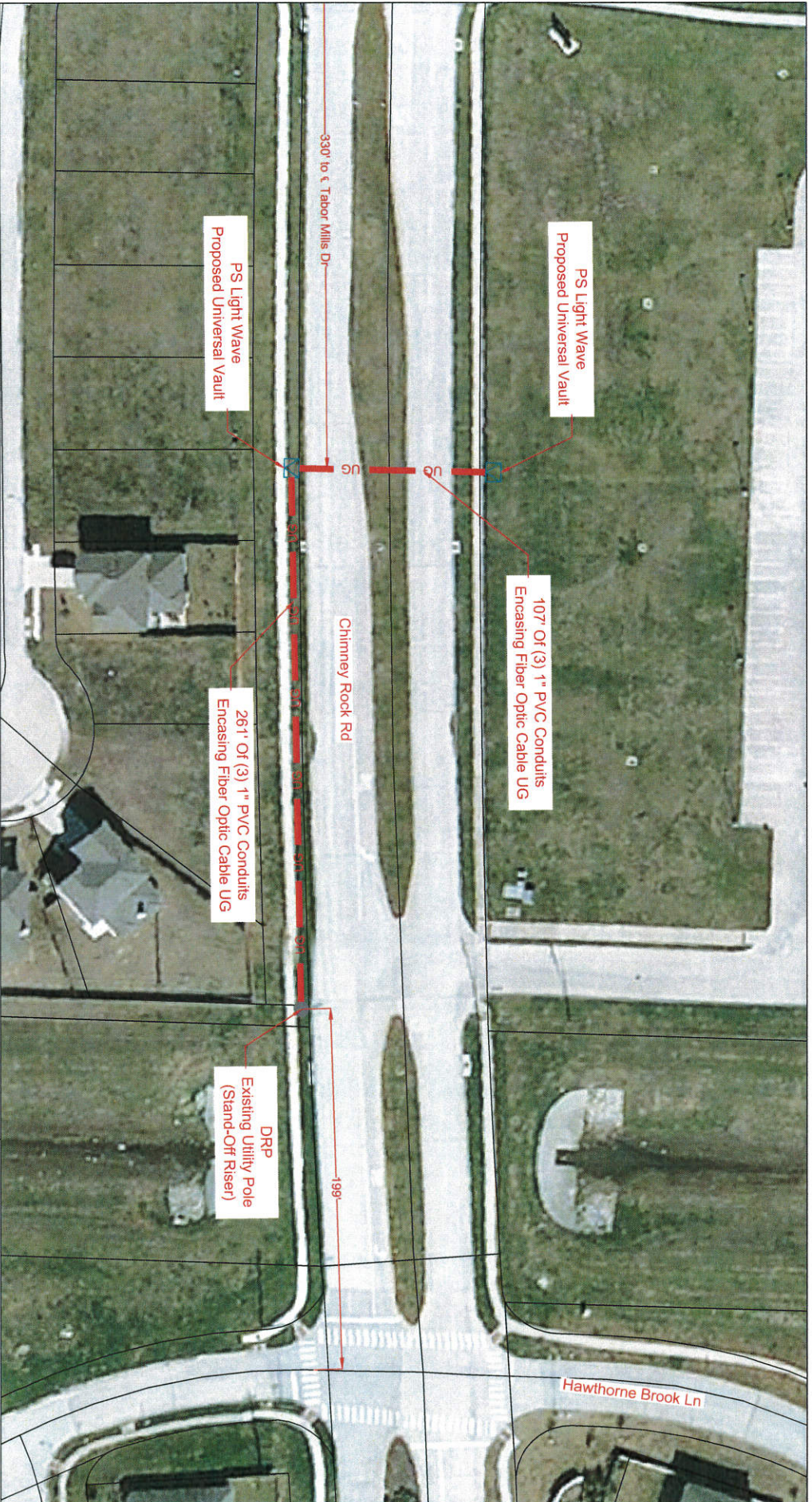
Permit Administrator

6/19/17

Date



LEGEND <div> <div> <div>UG</div> <div>3(1") HDPE W/ F.O. CABLE</div> </div> <div> <div>UG</div> <div>3(1.25") HDPE W/ F.O. CABLE</div> </div> <div> <div>UG</div> <div>1(2") HDPE W/ F.O. CABLE</div> </div> <div> <div>UG</div> <div>1(4") HDPE W/ 3(1.25") HDPE</div> </div> <div> <div>UG</div> <div>FLEX INNERDUCT</div> </div> <div> <div>AIR</div> <div>AERIAL FIBER OPTIC CABLE</div> </div> <div> <div>CATS</div> <div>CATS CABLE</div> </div> </div> <div> <div> <div>---</div> <div>PROPOSED CONDUIT</div> </div> <div> <div>---</div> <div>EXISTING CONDUIT</div> </div> <div> <div>---</div> <div>1.25" EMT</div> </div> <div> <div>---</div> <div>R/W</div> </div> <div> <div>---</div> <div>EDGE-OF-PAVEMENT</div> </div> <div> <div>---</div> <div>FENCE</div> </div> <div> <div>---</div> <div>RACK LOCATION</div> </div> </div> <div> <div> <div>●</div> <div>PSLW SET POLE</div> </div> <div> <div>●</div> <div>EXISTING SET POLE</div> </div> <div> <div>●</div> <div>EXISTING UTILITY POLE</div> </div> <div> <div>●</div> <div>PROPOSED PSLW VAULT (24"x36"x24")</div> </div> <div> <div>■</div> <div>EXISTING VAULT</div> </div> <div> <div>■</div> <div>PULLBOX</div> </div> <div> <div>★</div> <div>MDF LOCATION</div> </div> </div>	
<div> <div> <div>PS LIGHT WAVE</div> <div>PROPRIETARY INFORMATION - PROPERTY OF PS LIGHT WAVE</div> </div> <div> <div>REVISION#1: Rev#1</div> <div>DATE: Rev#1 Date</div> </div> <div> <div>REVISION#2: Rev#2</div> <div>DATE: Rev#2 Date</div> </div> <div> <div>REVISION#3: Rev#3</div> <div>DATE: Rev#3 Date</div> </div> <div> <div>REVISION#4: Rev#4</div> <div>DATE: Rev#4 Date</div> </div> </div>	<div> <div> <div>CUSTOMER ID:</div> <div>JOB# 0616-817</div> </div> <div> <div>CUSTOMER:</div> <div>Notice of Proposed Utility Installation</div> </div> <div> <div>ADDRESS:</div> <div>Chimney Rock Rd</div> </div> <div> <div>CITY/ZIP:</div> <div>Fresno, TX 77545</div> </div> <div> <div>TENANTS:</div> <div># OF FLOORS:</div> </div> <div> <div>WO#:</div> <div>59046</div> </div> <div> <div>JOB#:</div> <div>0616-817</div> </div> <div> <div>APPROVED BY:</div> <div>DATE:</div> </div> </div>
<div> <div>SCALE:</div> <div>1"=50'</div> </div> <div> <div>PAGE:</div> <div>1</div> </div> <div> <div>OF:</div> <div>3</div> </div>	<div> <div>COUNTY:</div> <div>Tarrant</div> </div> <div> <div>KEY MAP:</div> <div>611 S</div> </div> <div> <div>DATE:</div> <div>05/31/17</div> </div>



LEGEND

UG	3(1") HDPE W/ F.O. CABLE	PROPOSED CONDUIT
UG	3(1.25") HDPE W/ F.O. CABLE	EXISTING CONDUIT
UG	1(2") HDPE W/ F.O. CABLE	1.25" EMT
UG	1(4") HDPE W/ 3(1.25") HDPE	R/W
UG	FLEX INNERDUCT	EDGE-OF-PAVEMENT
AIR	AERIAL FIBER OPTIC CABLE	FENCE
CAT5	CAT5 CABLE	RACK LOCATION

PSLW SET POLE	EXISTING SET POLE
EXISTING UTILITY POLE	PROPOSED PSLW VAULT (24"x36"x24")
PULLBOX	EXISTING VAULT
MDF LOCATION	

PROPRIETARY INFORMATION - PROPERTY OF PSLWAVE

PSLWAVE

REVISION#1: Rev#1	DATE: Rev#1 Date	CITY/Zip: Fresno, TX 77545	COUNTY: Fort Bend
REVISION#2: Rev#2	DATE: Rev#2 Date	WOF: 95046	KEY MAP: 611 S
REVISION#3: Rev#3	DATE: Rev#3 Date	JOB#: 0616-817	DATE: 05/31/17
REVISION#4: Rev#4	DATE: Rev#4 Date	APPROVED BY:	DATE:

CUSTOMER ID: JOB# 0616-817

CUSTOMER: Notice Of Proposed Utility Installation

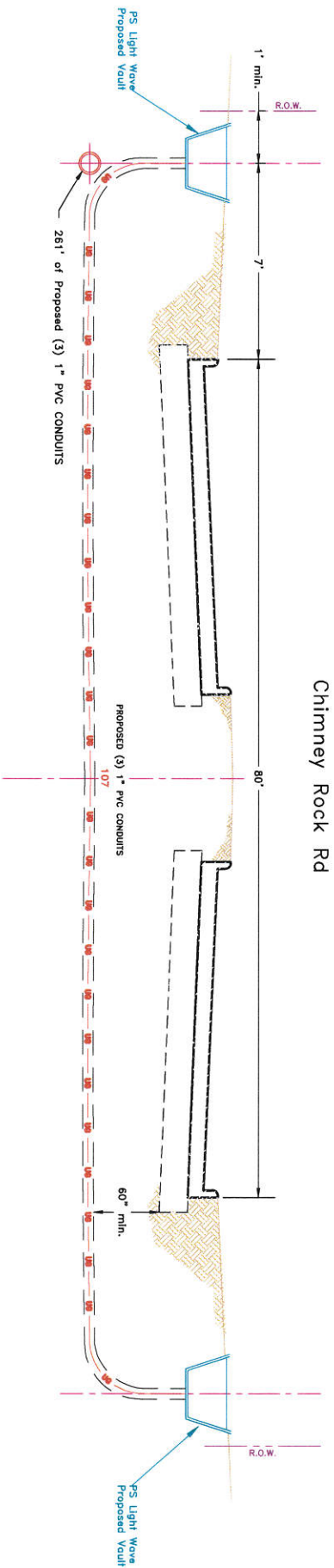
ADDRESS: Chimney Rock Rd

TELEPHONE:

DATE:

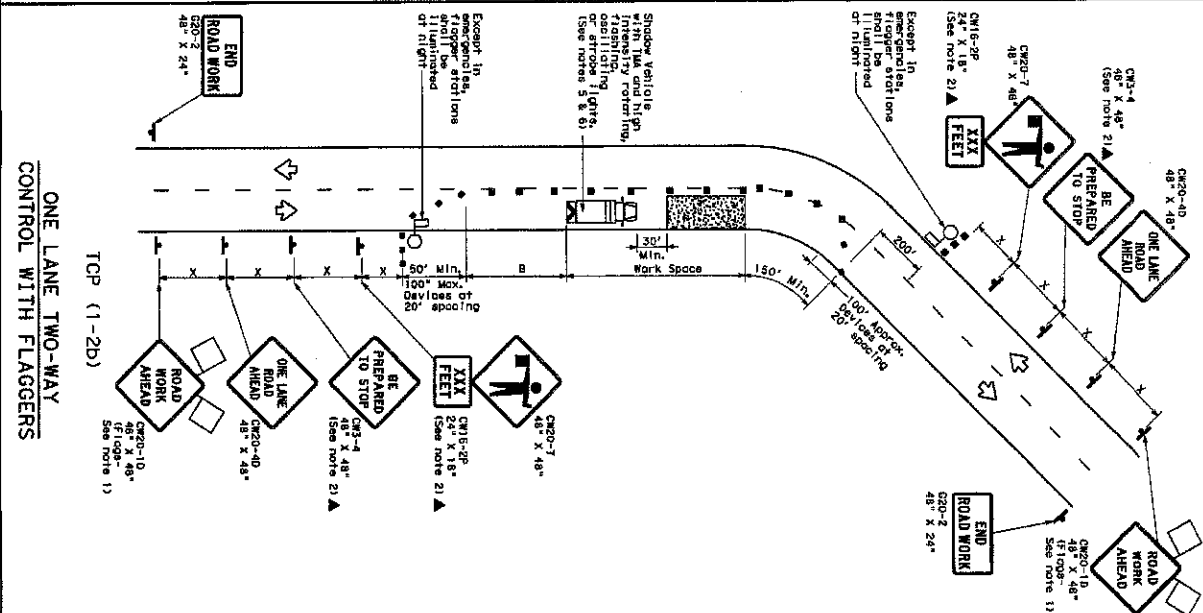
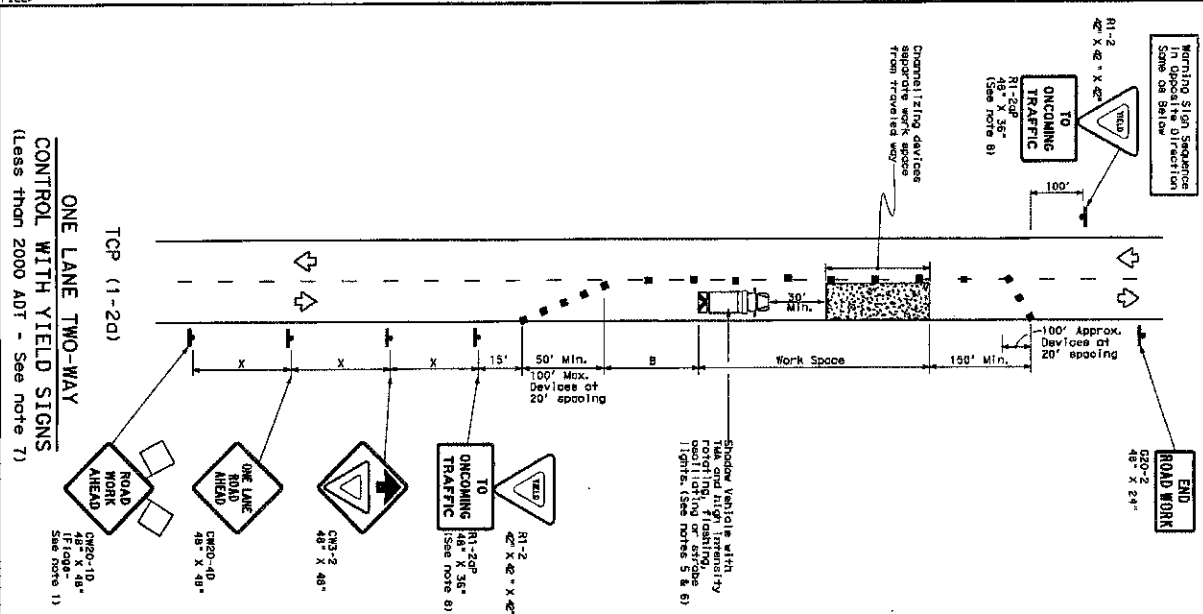
General Notes:

- 1) Surface to be restored to its original condition in compliance with Fort Bend County Standards.
- 2) Contractors shall provide and install traffic control devices in conformance with part VI of Texas manual on Uniform Traffic Control Devices (TMUTCD—Latest Edition with Revisions) during construction.
- 3) No Lanes shall be blocked 7am—9am and 4pm—6:30pm Monday thru Friday.



LEGEND		Job#	
UG	3(1") PVC W/ F.O. CABLE	0616-817	
UG	3(1.25") PVC W/ F.O. CABLE		
UG	1(2") PVC W/ F.O. CABLE		
UG	1(4") HDPE W/ 3(1.25") PVC		
AIR	FLEX INNERDUCT		
CATS	AERIAL FIBER OPTIC CABLE		
CATS	CATS CABLE		
PROPOSED CONDUIT			
EXISTING CONDUIT			
1.25" EMT			
R/W	RIGHT-OF-WAY		
EDGE-OF-PAVEMENT			
FENCE			
RACK LOCATION			
PSLW SET POLE			
EXISTING UTILITY POLE			
PROPOSED PSLW VAULT (24"x36"x24")			
EXISTING VAULT			
PULLBOX			
MDF LOCATION			
SCALE: N.T.S.			
PAGE: 3			
OF: 3			
REVISION#1: Rev#1	DATE: Rev#1 Date		
REVISION#2: Rev#2	DATE: Rev#2 Date		
REVISION#3: Rev#3	DATE: Rev#3 Date		
REVISION#4: Rev#4	DATE: Rev#4 Date		
DESCRIPTION: Notice of Proposed Utility Installation			
ADDRESS: Chimney Rock Rd			
CITY/ZIP: Fresno, TX 77545			
TELEPHONE: (512) 775-1111			
WO# 92046	JOB# 0616-817	DWG#	KEY MAP: 611 S
APPROVED BY:		DATE: 05/31/17	

DATE:
FILE#



LEGEND	
	Type 3 Barricade
	Heavy Work Vehicle
	Trailer Mounted Flagger
	Sign
	Flag
	Channelizing Device
	Truck Mounted Attenuator (TMA)
	Portable Changeable Message (PCM) (VMS)
	Traffic Flow
	Flagger

Formulas	Minimum Topor elements	Maximum Topor elements	Assigned Channelizing	Minimum Signaling	Assigned Signaling
	%	%	to 100%	to 100%	to 100%
1. 150	165	180	30	60	120
2. 150	225	245	35	70	160
3. 150	265	295	40	80	240
4. 45	495	540	45	90	360
5. 50	550	600	50	100	400
6. 50	550	600	55	110	500
7. 1.5 S	600	660	60	120	600
8. 60	660	720	65	130	700
9. 60	660	720	70	140	800
10. 65	715	780	75	150	900
11. 70	770	840	80	160	1000
12. 75	825	900	85	170	1100

GENERAL NOTES


1. Flange protrusions to signs were shaved per REDUCED.
2. Signs were shaved to the same height as the signs, except those depicted with the "T" symbol. The "T" symbol signs could not be shaved since they stood alone in the plaza, or for red line maintenance work, when approved by the Engineer.
3. The 3x4-VE, PREPARED TO STOP sign may be installed over the C&D-40 "ONE LANE ROAD AHEAD" sign, but proper glare spacing will be maintained.
4. The 3x4-VE, PREPARED TO STOP sign may be installed over the 3x4-VE, AHEAD sign, but proper glare spacing will be maintained.
5. A Station Vehicle with TMA should not be used without it can be positioned 20 to 100 feet in advance of the area of crew exposure without detrimentally affecting the performance or quality of the work. If workers are no longer present but road work continues, the use of a Station Vehicle with TMA should be avoided or other channelizing devices may be substituted for the Station Vehicle and TMA.
6. Additional Station Vehicles with TMA may be positioned off the paved surface, next to those shown in plan, to protect wider work spaces.

1. RI-2 "YIELD" sign traffic control may be used on projects with approaches that have adequate sight distances. For problems in urban areas, wet seasons should be no longer than one half city block. In rural areas on roadways with less than 2000 ADT, wet seasons should be no longer than 400 feet.

2. RI-2 "YIELD" sign with RI-2E "NO STOPPING" plaque shall be placed on a approach of a four milean road/rail right-of-way.

1. Flloggers should use two-way radios or other methods of communication to control traffic.
2. Length of work space should be based on the ability of flloggers to communicate.
3. If the work space is located near a horizontal or vertical curve, the buffer distance should be increased in order to maintain adequate stopping sight distance to the flloggers.
4. Flloggers should be trained in the use of the equipment.
5. Traffic control devices on the center-line may be omitted when a pilot car is leading.
6. Flloggers should use 24" STORVAC pods to control traffic. Fllog should be limited to emergency situations.

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

 **Texas Department of Transportation**
Traffic Operations Division

**TRAFFIC CONTROL PLAN
ONE-LANE TWO-WAY
TRAFFIC CONTROL**

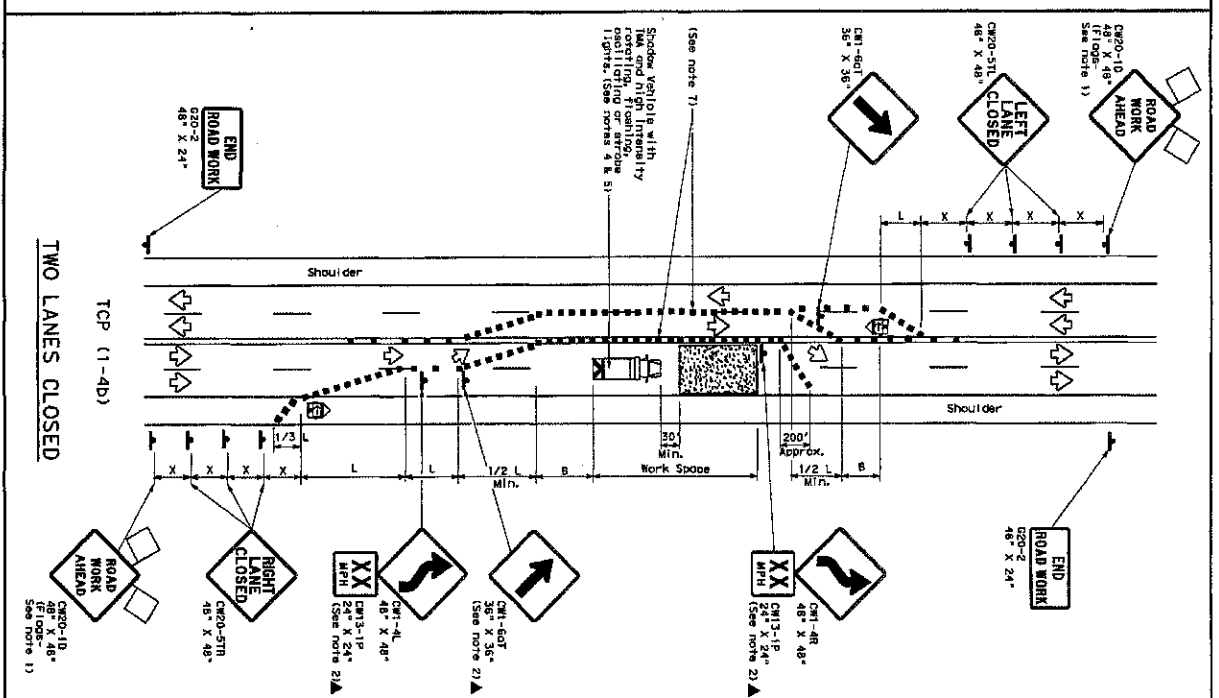
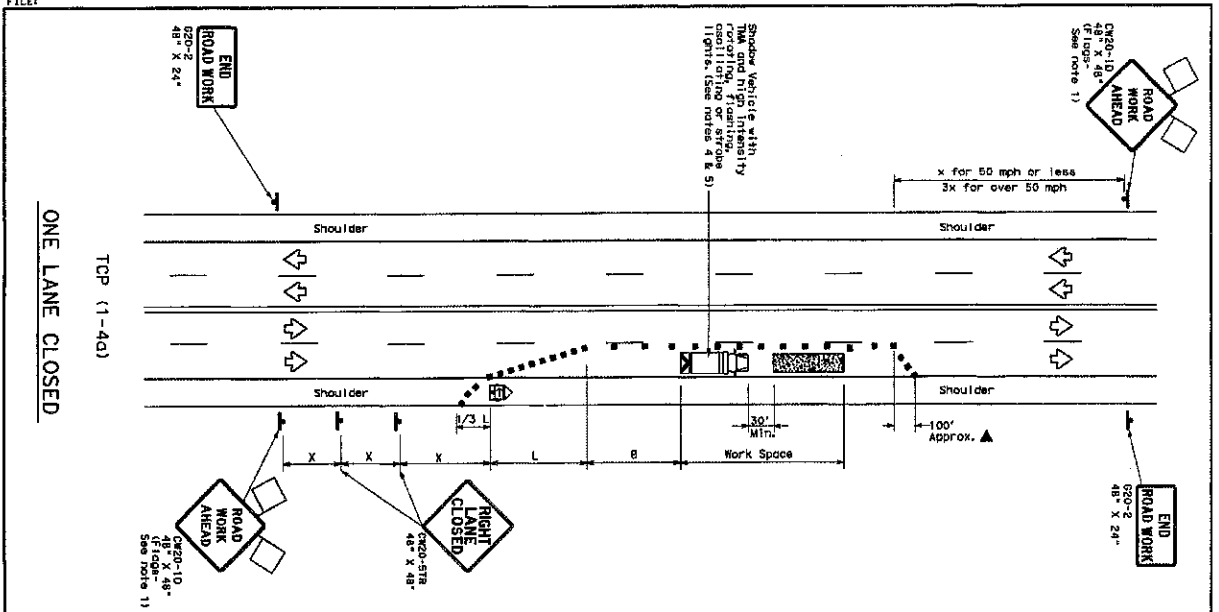
TCP (1-2) - 12

DATE RECEIVED: 10/01/2007
BY: [blank]
PROJECT NO.: 1355

CONTRACT NO.	SECTION	SHEET NO.	TOTAL SHEETS	CITY/TOWN	COUNTY	DISTRICT	STATE AGENCY
4-90	2-24	1-12					
4-90	2-24	1-12					
4-90	2-24	1-12					

152

DATE: FILE:



LEGEND

Symbol	Description	Symbol	Description
██████	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

GENERAL NOTES

- Flare attached to signs where shown are REQUIRED.
- All traffic control devices illustrated are REQUIRED, except those denoted with the alternate symbol may be omitted when entered elsewhere in the plan.
- The C20-10 "ROAD WORK AHEAD" sign may be replaced by the C20-11 "ROAD WORK AHEAD" sign if the visibility of the work zone is less than 1500 feet.
- A Shadow Vehicle with a TMA should be used anytime it can be positioned 50 to 100 feet in advance of the zone of work without adversely affecting traffic flow. The Shadow Vehicle should be equipped with TMA, present but not 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 TMA may be positioned off the paved section, next to those shown in order to protect other work zones.

TCP (1-4D)

1. If this TCP is used for a left lane closure, C20-51L "LEFT LANE CLOSED" sign should be placed in the closed lane near the end of the merging taper. The arrow panel placed in the closed lane near the end of the merging taper.

TCP (1-4B)

1. Where traffic is directed over a yellow centerline, channelizing devices which separate two-way traffic should be spaced on tapered sections, or 1/25 where 5 is the speed in mph. This taper device spacing is intended for the use of confining markings, not the entire work zone.

TYPICAL USAGE

MOBILE	SHORT TERM STATIONARY	INTERMEDIATE TERM STATIONARY	LONG TERM STATIONARY
SWGT	SWGT	INTERMEDIATE	LONG TERM

CONVENTIONAL SPEED (MPH)

Speed (MPH)	10'	11'	12'	On a Shoulder	Sign Spacing	Sign Spacing	Sign Spacing
30	150'	165'	180'	30'	60'	120'	120'
35	205'	225'	245'	35'	70'	140'	140'
40	265'	285'	305'	40'	80'	160'	160'
45	325'	345'	365'	45'	90'	180'	180'
50	385'	405'	425'	50'	100'	200'	200'
55	445'	465'	485'	55'	110'	220'	220'
60	505'	525'	545'	60'	120'	240'	240'
65	565'	585'	605'	65'	130'	260'	260'
70	625'	645'	665'	70'	140'	280'	280'
75	685'	705'	725'	75'	150'	300'	300'

* Conventional Speed Only
* Taper lengths have been rounded off.
* Length of Taper (FT) = Width of Offset (FT) x Suggested Speed (MPH)

TRAFFIC CONTROL PLAN

LANE CLOSURES ON MULTILANE CONVENTIONAL ROADS

TCP (1-4)-12

Texas Department of Transportation
Traffic Operations Division

DATE	BY	FOR	PROJECT	LOCATION	DATE
2-24	1-12	1-12	1-12	1-12	1-12