

**REVIEW BY FORT BEND COUNTY COMMISSIONERS COURT**

On this 22nd day of November, 2016, Commissioners Court came on to be heard and reviewed the accompanying notice of Phonoscope Light Wave, Inc Job Location Harlem Rd, TX 77407

Date 4/6/2004 Bond No. 103827669, Permit No. 2016-10280 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 \_\_\_\_\_, 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.

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. Ay  
for County Engineer

Presented to Commissioners Court and approved.  
Recorded in Volume \_\_\_\_\_

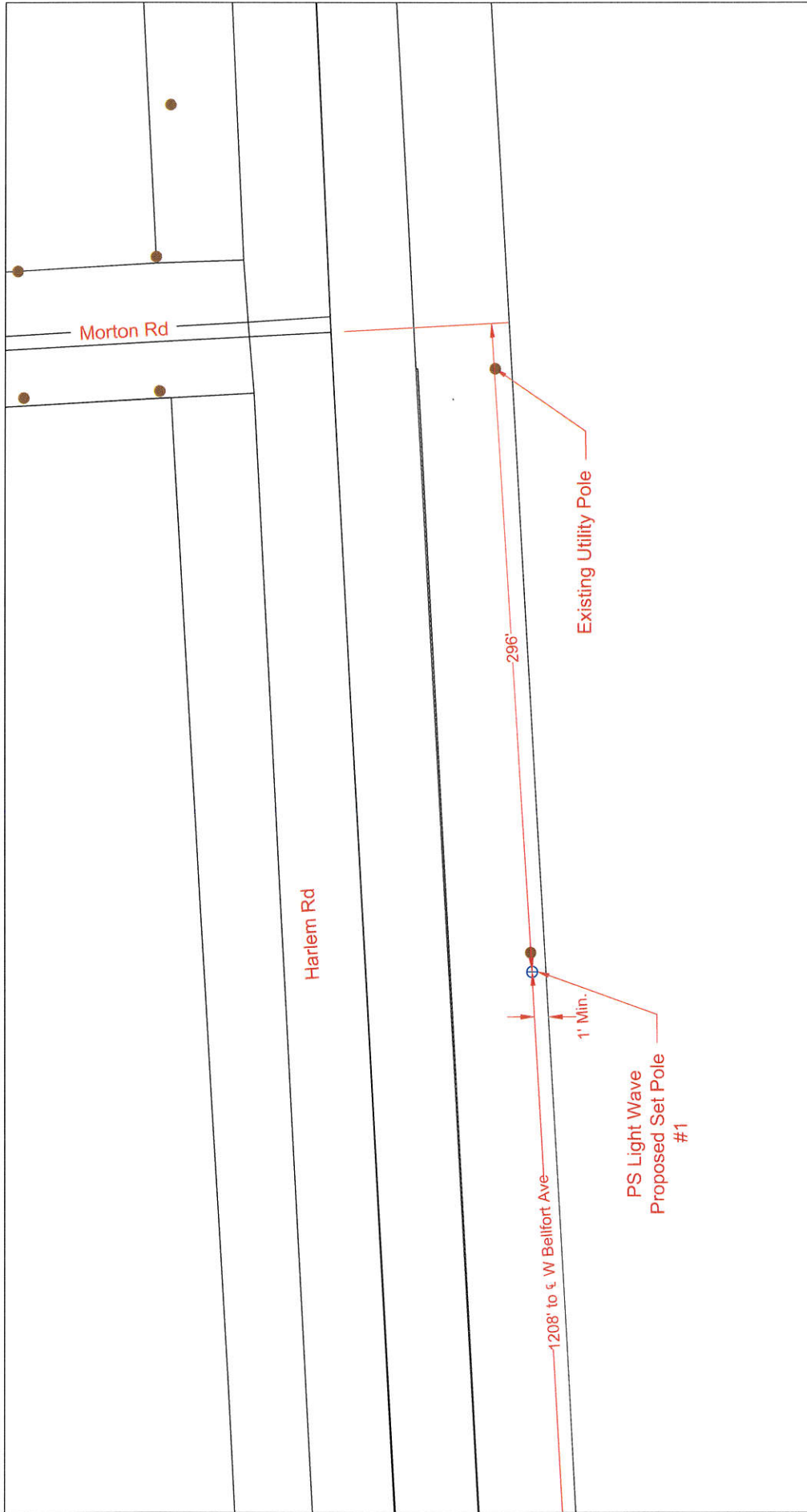
Minutes of Commissioners Court

By: N/A  
Drainage District Engineer/Manager

Clerk of Commissioners Court

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





<b>CUSTOMER ID:</b> <b>JOB# 0616-842 PLW</b>		<b>CUSTOMER:</b> Notice Of Proposed Utility Installation		<b>ADDRESS:</b> Harlem Rd		<b>CITY/ZIP:</b>		<b>COUNTY:</b> Fort Bend	
<b>REVISION#1:</b> Rev#1		<b>DATE:</b> Rev#1 Date		<b>TENANTS:</b>		<b># OF FLOORS:</b>		<b>KEY WAP:</b> 3/6 U.Y	
<b>REVISION#2:</b> Rev#2		<b>DATE:</b> Rev#2 Date		<b>WOF:</b> 8/3/94		<b>JOB#:</b> 1616-842		<b>DATE:</b> 10/15/16	
<b>REVISION#3:</b> Rev#3		<b>DATE:</b> Rev#3 Date		<b>APPROVED BY:</b> Approved By: P.E.		<b>DATE:</b> DATE		<b>DATE:</b> 10/15/16	
<b>REVISION#4:</b> Rev#4		<b>DATE:</b> Rev#4 Date							

SCALE: 1"=40'
   
 PAGE: 1
   
 OF: 7

PROPRIETARY INFORMATION - PROPERTY OF PHOENIX LIGHTWAVE
   
 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

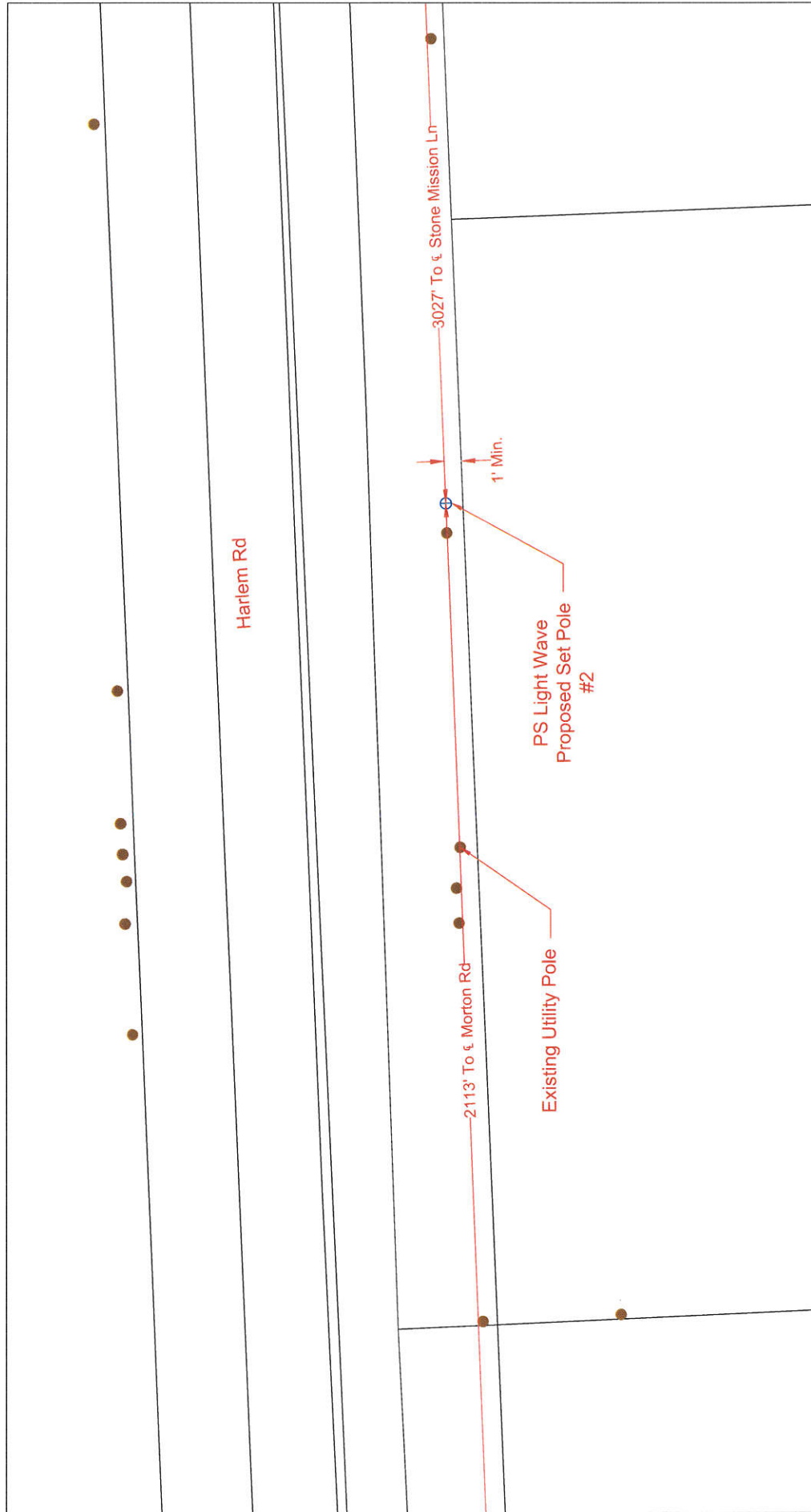
**LEGEND**
  
 3(1") PVC W/ F.O. CABLE
   
 3(1.25") PVC W/ F.O. CABLE
   
 1(2") PVC W/ F.O. CABLE
   
 1(4") HDPE W/ 3(1.25")PVC
   
 FLEX INNERDUCT
   
 AERIAL FIBER OPTIC CABLE
   
 CATS CABLE
   
 PROPOSED CONDUIT
   
 EXISTING CONDUIT
   
 1.25" EMT
   
 R/W
   
 EOP
   
 FENCE
   
 RACK LOCATION
   
 PS LIGHT WAVE SET POLE
   
 EXISTING UTILITY POLE
   
 PROPOSED VAULT (SMALL 30"x17"x17")
   
 PROPOSED VAULT (SMALL 36"x24"x26")
   
 EXISTING VAULT
   
 PULLBOX
   
 MDF LOCATION



<b>LEGEND</b> 		 SCALE: 1" = 40' PAGE: 2 OF: 7		<b>PS LIGHT WAVE SET POLE</b> <input checked="" type="checkbox"/> PS LIGHT WAVE SET POLE <input checked="" type="checkbox"/> EXISTING UTILITY POLE <input checked="" type="checkbox"/> PROPOSED VAULT (SMALL 30"x17"x17") <input checked="" type="checkbox"/> PROPOSED VAULT (SMALL 36"x24"x26") <input checked="" type="checkbox"/> EXISTING VAULT <input checked="" type="checkbox"/> PULLBOX <input checked="" type="checkbox"/> MDF LOCATION	
	<b>PROPOSED CONDUIT</b> 	<b>PROPOSED CONDUIT</b> 	<b>PROPOSED CONDUIT</b> 	<b>PROPOSED CONDUIT</b> 	<b>PROPOSED CONDUIT</b> 
	<b>EXISTING CONDUIT</b> 	<b>EXISTING CONDUIT</b> 	<b>EXISTING CONDUIT</b> 	<b>EXISTING CONDUIT</b> 	<b>EXISTING CONDUIT</b> 
	<b>RIGHT-OF-WAY</b> 	<b>RIGHT-OF-WAY</b> 	<b>RIGHT-OF-WAY</b> 	<b>RIGHT-OF-WAY</b> 	<b>RIGHT-OF-WAY</b> 
	<b>EDGE-OF-PAVEMENT</b> 	<b>EDGE-OF-PAVEMENT</b> 	<b>EDGE-OF-PAVEMENT</b> 	<b>EDGE-OF-PAVEMENT</b> 	<b>EDGE-OF-PAVEMENT</b> 
	<b>FENCE</b> 	<b>FENCE</b> 	<b>FENCE</b> 	<b>FENCE</b> 	<b>FENCE</b> 
	<b>RACK LOCATION</b> 	<b>RACK LOCATION</b> 	<b>RACK LOCATION</b> 	<b>RACK LOCATION</b> 	<b>RACK LOCATION</b> 
	<b>3(1") PVC W/ F.O. CABLE</b> 	<b>3(1.25") PVC W/ F.O. CABLE</b> 	<b>3(1.25") PVC W/ F.O. CABLE</b> 	<b>3(1.25") PVC W/ F.O. CABLE</b> 	<b>3(1.25") PVC W/ F.O. CABLE</b> 
	<b>1(2") PVC W/ F.O. CABLE</b> 	<b>1(2") PVC W/ F.O. CABLE</b> 	<b>1(2") PVC W/ F.O. CABLE</b> 	<b>1(2") PVC W/ F.O. CABLE</b> 	<b>1(2") PVC W/ F.O. CABLE</b> 
	<b>1(4") HDPE W/ 3(1.25")PVC</b> 	<b>1(4") HDPE W/ 3(1.25")PVC</b> 	<b>1(4") HDPE W/ 3(1.25")PVC</b> 	<b>1(4") HDPE W/ 3(1.25")PVC</b> 	<b>1(4") HDPE W/ 3(1.25")PVC</b> 
	<b>FLEX INNERDUCT</b> 	<b>FLEX INNERDUCT</b> 	<b>FLEX INNERDUCT</b> 	<b>FLEX INNERDUCT</b> 	<b>FLEX INNERDUCT</b> 
	<b>AERIAL FIBER OPTIC CABLE</b> 	<b>AERIAL FIBER OPTIC CABLE</b> 	<b>AERIAL FIBER OPTIC CABLE</b> 	<b>AERIAL FIBER OPTIC CABLE</b> 	<b>AERIAL FIBER OPTIC CABLE</b> 
	<b>CATS CABLE</b> 	<b>CATS CABLE</b> 	<b>CATS CABLE</b> 	<b>CATS CABLE</b> 	<b>CATS CABLE</b> 

CUSTOMER ID: JOB# 0616-842 PLW  
 CUSTOMER: Notice Of Proposed Utility Installation  
 ADDRESS: Harlem Rd  
 CITY/ZIP: COUNTY: Fort Bend  
 TENANTS: # OF FLOORS: DWG#: KEY MAP: 5/8 U.Y.  
 WOP: 63994 JOB#: 665-842 DRAWN BY: P.E. DATE: 10/15/16  
 APPROVED BY: P.E. DATE: 10/15/16

**LIGHTWAVE**  
 PROPRIETARY INFORMATION - PROPERTY OF PHOENIX LIGHTWAVE  
 REVISION#: Rev#1 DATE: Rev#1 Date  
 REVISION#: Rev#2 DATE: Rev#2 Date  
 REVISION#: Rev#3 DATE: Rev#3 Date  
 REVISION#: Rev#4 DATE: Rev#4 Date



LEGEND	
UG	3(1") PVC W/ F.O. CABLE
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
UG	FLEX INNERDUCT
AIR	AERIAL FIBER OPTIC CABLE
CAT5	CAT5 CABLE
PS LIGHT WAVE SET POLE	EXISTING UTILITY POLE
PROPOSED VAULT (SMALL 30"x17"17")	PROPOSED VAULT (SMALL 36"x24"26")
PULLBOX	EXISTING VAULT
MDF LOCATION	
PROPOSED CONDUIT	EXISTING CONDUIT
EMT	1.25" EMT
R/W	RIGHT-OF-WAY
EOP	EDGE-OF-PAVEMENT
FENCE	
RACK LOCATION	

**PHOTONIC LIGHTWAVE**  
 PROPRIETARY INFORMATION - PROPERTY OF PHOTONIC LIGHTWAVE

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

CUSTOMER ID: JOB# 0616-842 PLW  
 CUSTOMER: Notice Of Proposed Utility Installation  
 ADDRESS: Harlem Rd  
 CITY/ZIP: COUNTY: Fort Bend

DATE: 10/15/16  
 SCALE: 1"=40'  
 PAGE: 3 OF 7

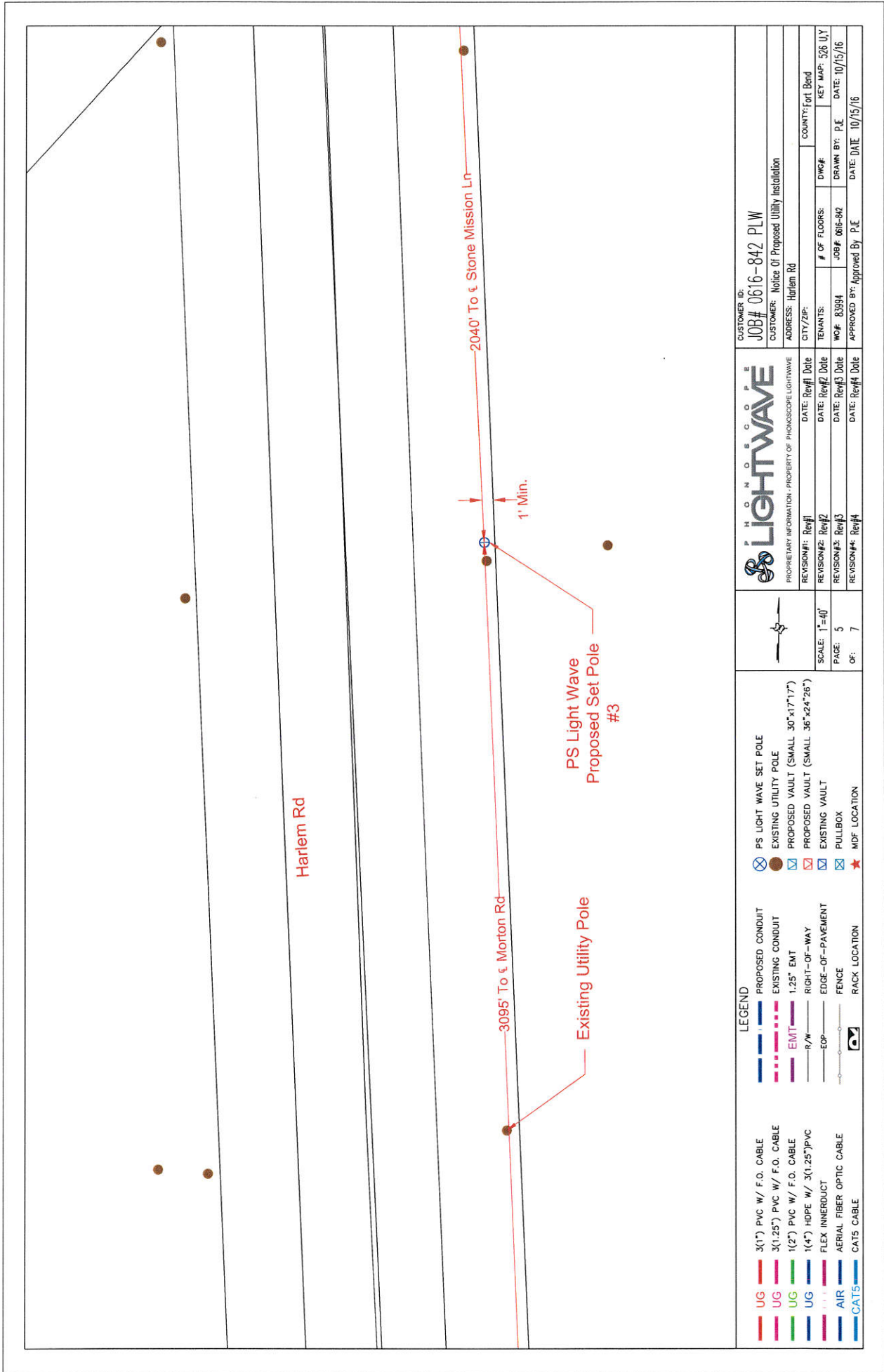
REVISION#1: Rev#1 DATE: Rev#1 Date  
 REVISION#2: Rev#2 DATE: Rev#2 Date  
 REVISION#3: Rev#3 DATE: Rev#3 Date  
 REVISION#4: Rev#4 DATE: Rev#4 Date

WOF: 83994 JOB#: 0616-842 DRAWN BY: P.E. DATE: 10/15/16  
 APPROVED BY: Approved By: P.E. DATE: 10/15/16



<ul style="list-style-type: none"> <li>UG 3(1") PVC W/ F.O. CABLE</li> <li>UG 3(1.25") PVC W/ F.O. CABLE</li> <li>UG 1(2") PVC W/ F.O. CABLE</li> <li>UG 1(4") HDPE W/ 3(1.25")PVC</li> <li>AIR FLEX INNERDUCT</li> <li>AIR AERIAL FIBER OPTIC CABLE</li> <li>CAT5 CAT5 CABLE</li> </ul>	<ul style="list-style-type: none"> <li>PROPOSED CONDUIT</li> <li>EXISTING CONDUIT</li> <li>EMT 1.25" EMT</li> <li>R/W RIGHT-OF-WAY</li> <li>EDGE-OF-PAVEMENT</li> <li>EOP</li> <li>FENCE</li> <li>RACK LOCATION</li> </ul>	<ul style="list-style-type: none"> <li>PS LIGHT WAVE SET POLE</li> <li>EXISTING UTILITY POLE</li> <li>PROPOSED VAULT (SMALL 30"x17'17")</li> <li>PROPOSED VAULT (SMALL 36"x24"26")</li> <li>EXISTING VAULT</li> <li>PULLBOX</li> <li>MDF LOCATION</li> </ul>	<p>SCALE: 1"=40'</p> <p>PAGE: 4</p> <p>OF: 7</p>	<p>REVISION#1: Rev#1 DATE: Rev#1 Date</p> <p>REVISION#2: Rev#2 DATE: Rev#2 Date</p> <p>REVISION#3: Rev#3 DATE: Rev#3 Date</p> <p>REVISION#4: Rev#4 DATE: Rev#4 Date</p>	<p>CUSTOMER ID: JOB# 0616-842 PLW</p> <p>CUSTOMER: Notice Of Proposed Utility Installation</p> <p>ADDRESS: Harlem Rd</p> <p>CITY/ZIP:</p> <p>TELEPHONE: # OF FLOORS: DWG#:</p> <p>NO# 83994 JOB# 0616-842 DRAWN BY: PJE DATE: 10/15/16</p> <p>APPROVED BY: Approved By: PJE DATE: DATE 10/15/16</p>
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CUSTOMER ID: JOB# 0616-842 PLW  
 CUSTOMER: Notice Of Proposed Utility Installation  
 ADDRESS: Harlem Rd  
 CITY/ZIP: COUNTY: Fort Bend  
 DATE: 10/15/16  
 DATE: 10/15/16  
 DATE: 10/15/16  
 DATE: 10/15/16

**PHOTON LIGHTWAVE**  
 PROPRIETARY INFORMATION - PROPERTY OF PHOTONSCOPE LIGHTWAVE  
 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

SCALE: 1"=40'  
 PAGE: 5  
 OF: 7

PS LIGHT WAVE SET POLE  
 EXISTING UTILITY POLE  
 PROPOSED VAULT (SMALL 30"x17'17")  
 PROPOSED VAULT (SMALL 36"x24'26")  
 EXISTING VAULT  
 PULLBOX  
 MDF LOCATION

**LEGEND**  
 PROPOSED CONDUIT  
 EXISTING CONDUIT  
 1.25" EMT  
 R/W  
 RIGHT-OF-WAY  
 EDGE-OF-PAVEMENT  
 EOP  
 FENCE  
 RACK LOCATION

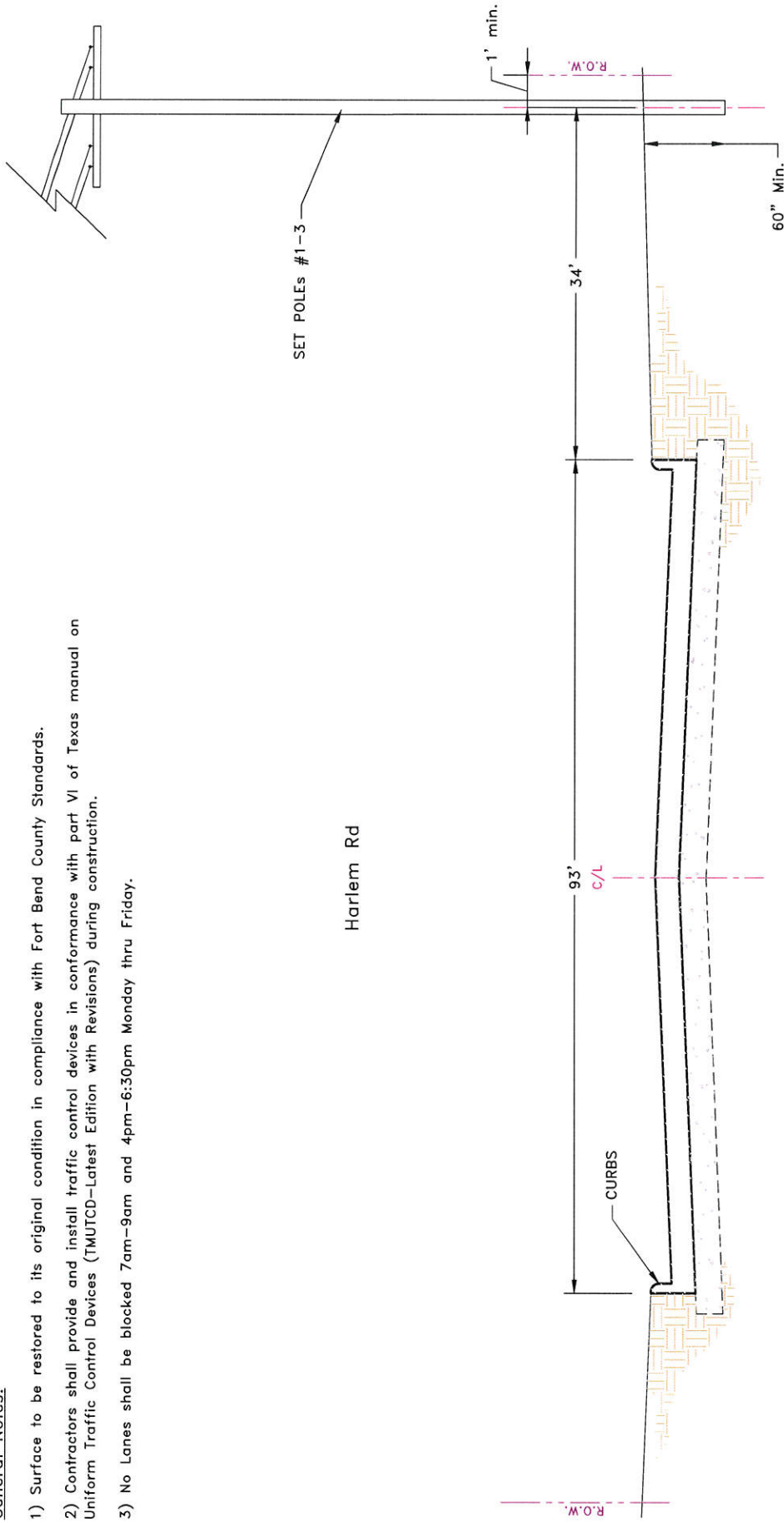
3(1") PVC W/ F.O. CABLE  
 3(1.25") PVC W/ F.O. CABLE  
 1(2") PVC W/ F.O. CABLE  
 1(4") HDPE W/ 3(1.25")PVC  
 FLEX INNERDUCT  
 AERIAL FIBER OPTIC CABLE  
 CAT5  
 CAT5



		<b>LEGEND</b>		PS LIGHT WAVE SET POLE EXISTING UTILITY POLE PROPOSED VAULT (SMALL 36"x24"x26") EXISTING VAULT PULLBOX MDF LOCATION	
UG 3(1.25") PVC W/ F.O. CABLE UG 1(2.5") PVC W/ F.O. CABLE UG 1(4") HDPE W/ 3(1.25")PVC FLEX INNERDUCT AIR AERIAL FIBER OPTIC CABLE CAT5 CABLE	PROPOSED CONDUIT EXISTING CONDUIT 1.25" EMT R/W EDGE-OF-PAVEMENT FENCE RACK LOCATION	SCALE: 1"=40' PAGE: 6 OF: 7	<b>PHOTONIC LIGHTWAVE</b> PROPRIETARY INFORMATION - PROPERTY OF PHOTONIC LIGHTWAVE 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	CUSTOMER ID: JOB# 0616-842 PLW CUSTOMER: Notice Of Proposed Utility Installation ADDRESS: Harlem Rd CITY/ZIP: COUNTY: Fort Bend TEMANTS: WOF: 83994 JOB#: 0616-842 DRAWN BY: P.E. DATE: 10/15/16 # OF FLOORS: DWG#: APPROVED BY: Approved By: P.E. DATE: 10/15/16	

**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.



Harlem Rd

LEGEND	
UG	3(1") PVC W/ F.O. CABLE
UG	3(1.25") PVC W/ F.O. CABLE
UG	1(2") PVC W/ F.O. CABLE
UG	1(1.25") HDPE W/ 3(1.25") PVC
UG	FLEX INNERDUCT
AIR	AERIAL FIBER OPTIC CABLE
CATS	CATS CABLE
---	PROPOSED CONDUIT
---	EXISTING CONDUIT
---	1.25" EMT
---	R/W
---	EOP
---	EDGE-OF-PAVEMENT
---	FENCE
---	RACK LOCATION
⊗	PS Light Wave SET POLE
●	EXISTING UTILITY POLE
⊠	PROPOSED VAULT (UNIVERSAL 24"x36"x24")
⊠	PROPOSED VAULT (LARGE 36"x24"x26")
⊠	EXISTING VAULT
⊠	PULLBOX
⊠	MDF LOCATION

Job #	0616-842 PLW
Description	Notice Of Proposed Utility Installation
Address	Harlem Rd
City/Zip	
County	Fort Bend
Key Map	526 UJ
Drawn By	PE
Date	10/15/2016
Approved By	PJE
Approved Date	10/15/2016

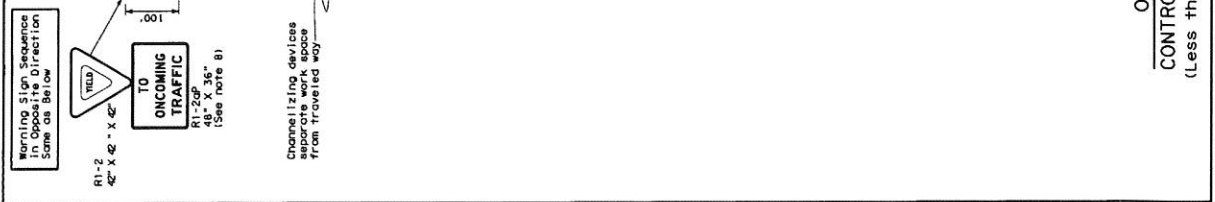
  

Proprietary Information - Property of PHOSCOPE LIGHTWAVE			
REVISION#1: Rev#1	DATE: Rev#1 Date	# OF FLOORS:	DWG#:
REVISION#2: Rev#2	DATE: Rev#2 Date	JOB#:	0616-842
REVISION#3: Rev#3	DATE: Rev#3 Date	WCF#:	83994
REVISION#4: Rev#4	DATE: Rev#4 Date	APPROVED BY:	PJE

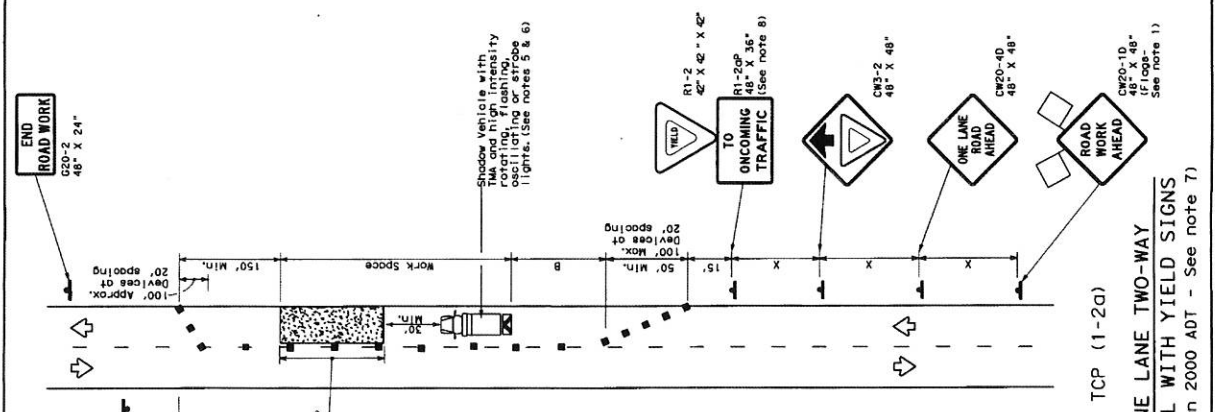
  

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PAGE:	7
OF:	7

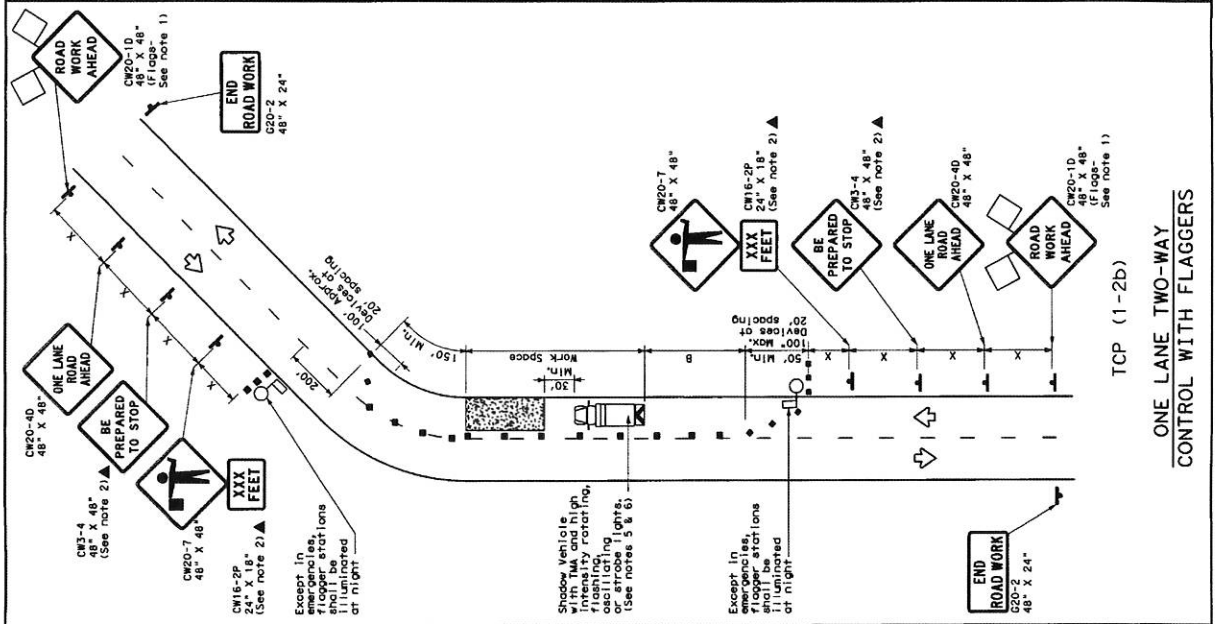
DISCLAIMER: The use of this standard to other formats or for incorrect results or damages resulting from the use of this standard is not intended. The Texas Department of Transportation is not responsible for the use of this standard for any purpose other than that for which it was intended. The use of this standard is governed by the Texas Department of Transportation. No part of this standard may be reproduced without the written permission of the Texas Department of Transportation.



TCP (1-2a)  
ONE LANE TWO-WAY  
CONTROL WITH YIELD SIGNS  
(Less than 2000 ADT - See note 7)



TCP (1-2b)  
ONE LANE TWO-WAY  
CONTROL WITH FLAGGERS



TCP (1-2c)  
ONE LANE TWO-WAY  
CONTROL WITH FLAGGERS

**LEGEND**

Channelizing Devices	Truck Mounted Attenuator (TMA)	Portable Changeable Message Sign (PCMS)	Flagger
Type 3 Barricade	Heavy Work Vehicle	Flashing Arrow Board	Sign
Trailer Mounted	Flashing Arrow Board	Sign	Flag

Posted Speed * (mph)	Minimum Spacing of Channelizing Devices (ft)	Minimum Spacing of Channelizing Devices (ft) On a Curve	Minimum Spacing of Channelizing Devices (ft) On a Grade	Minimum Spacing of Channelizing Devices (ft) Distance	Stopping Distance (ft)	Recommended Spacing of Channelizing Devices (ft)
30	150'	185'	180'	30'	60'	120'
35	150'	225'	245'	35'	70'	150'
40	150'	265'	320'	40'	80'	180'
45	150'	305'	375'	45'	90'	210'
50	150'	345'	430'	50'	100'	240'
55	150'	385'	485'	55'	110'	270'
60	150'	425'	540'	60'	120'	300'
65	150'	465'	595'	65'	130'	330'
70	150'	505'	650'	70'	140'	360'
75	150'	545'	705'	75'	150'	390'

\* Conventional roads only rounded off.  
\*\* L=Length of Taper (ft) W=Width of Offset (ft) S=Posted Speed (mph)

**TYPICAL USAGE**

MOBILE	SHORT TERM STATIONARY	INTERMEDIATE TERM STATIONARY	LONG TERM STATIONARY
✓	✓		

**GENERAL NOTES**

- Flagger attached to sign where shown are REQUIRED, except those denoted with the "X" in the notes.
- Channelizing devices (illustrated) are REQUIRED, except those denoted with the "X" in the notes.
- The "BE PREPARED TO STOP" sign may be installed after the "ROAD WORK AHEAD" sign, but proper sign spacing shall be maintained.
- When used in advance of a work zone, the "BE PREPARED TO STOP" sign may be used if advance warning ahead of the flagger or "YIELD" sign is less than 1500 feet.
- A Shadow Vehicle with a TMA should be used anytime it can be positioned 30 to 100 feet in advance of the area of work exposure without adversely affecting the performance of the work zone. The Shadow Vehicle should be positioned 30 to 100 feet in advance of the traffic control to remain in station. Type 3 Barricade or other channelizing device may be substituted for the Shadow Vehicle and TMA. Details on other channelizing devices are shown in order to protect wider work spaces.

**TCP (1-2d)**

- R1-2 "YIELD" sign traffic control may be used on projects with approaches that have adequate sight distances. For projects in urban areas, work spaces should be no longer than 400 feet. For projects with sight distances less than 400 feet, work spaces should be no longer than 400 feet.
- R1-2 "YIELD" sign with R1-2b "TO ONCOMING TRAFFIC" plaque shall be placed on a support of a 7 foot minimum mounting height.

**TCP (1-2e)**

- Flagger should use two-way radios or other methods of communication to control traffic.
- Length of work space should be based on the ability of flaggers to communicate.
- The work space is located near a horizontal or vertical curve, the buffer distance and a queue of stopped vehicles (see table above).
- Channelizing devices on the center-line may be omitted when a pilot car is leading traffic and approved by the Engineer.
- Flagger should use two-way radios or other methods of communication to control traffic. Flagger should be limited to emergency situations.

For construction or maintenance projects, the following specific project requirements for shadow vehicles can be used. For other projects, the following general notes apply. For more information, see Item 502.1, Signs and Traffic Hoarding.

DATE: \_\_\_\_\_ FILE: \_\_\_\_\_