



**REVIEW BY FORT BEND COUNTY
COMMISSIONERS COURT**

**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: 2016-10341

Applicant: Phonoscope Lightwave, Inc

Job Location Site: 9300 Harlem Road, Richmond, TX 77407

Bond No. 103827669 **Date of Bond:** 4/6/2004 **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 22nd day of November, 2016, 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

Presented to Commissioners Court and approved.

By: _____

Charles O. [Signature]
for County Engineer

Date Recorded _____ Comm. Court No. _____

N/A

Clerk of Commissioners Court

By: _____

Drainage District Engineer/Manager

By: _____

Deputy



**PERMIT APPLICATION REVIEW FROM 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: 2016-10341

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: 103827669

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

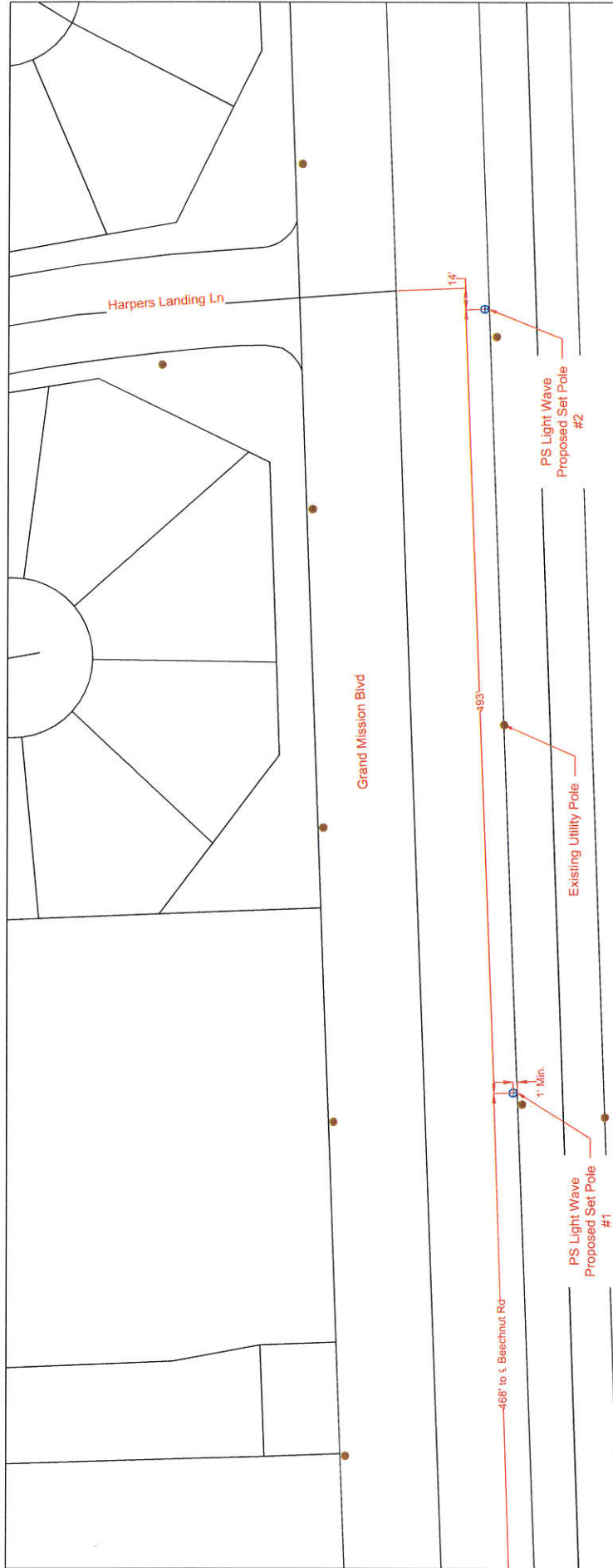
We have reviewed this project and agree it meets minimum requirements.

Permit Administrator

Charles O. Dyer

Date

11/15/16



Grand Mission Blvd

Harpers Landing Ln

468' to Beechnut Rd

463'

1' Min.

14'

PS Light Wave
Proposed Set Pole
#1

PS Light Wave
Proposed Set Pole
#2

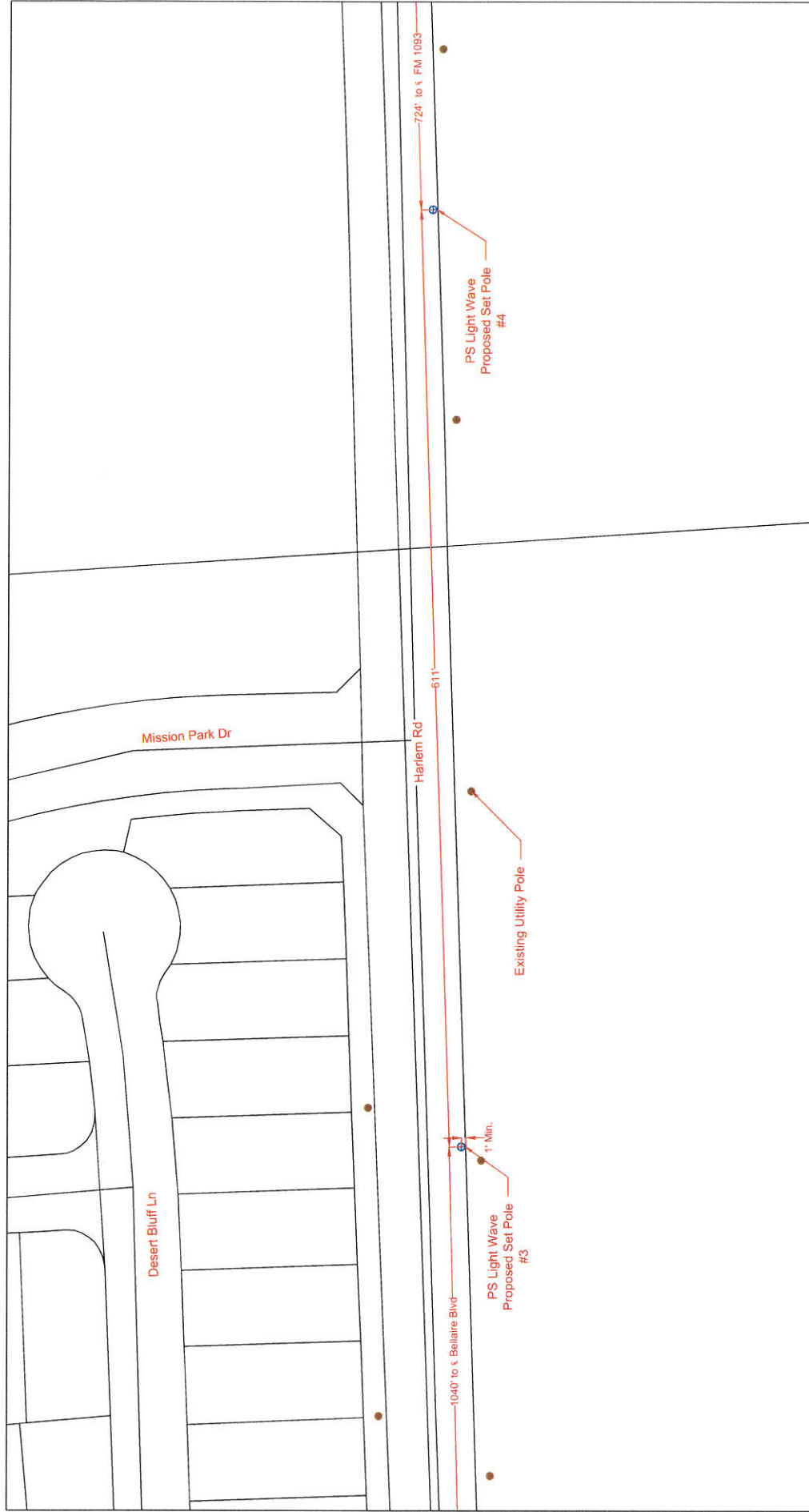
Existing Utility Pole

LEGEND		PS LIGHT WAVE SET POLE ☒ PROPOSED CONDUIT ☒ EXISTING CONDUIT ☒ 1.25" EMT ☒ R/W ☒ RIGHT-OF-WAY ☒ EDGE-OF-PAVEMENT ☒ EOP ☒ FENCE ☒ RACK LOCATION ☒ MDF LOCATION		PHONOSCOPE LIGHTWAVE PROPRIETARY INFORMATION - PROPERTY OF PHONOSCOPE 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"=60' PAGE: 1 OF: 6		CUSTOMER ID: JOB# 0616-842 PLW CUSTOMER: Notice Of Proposed Utility Installation ADDRESS: Harlem Rd CITY/ZIP: Richmond, TX 77407 COUNTY: Fort Bend TENANTS: # OF FLOORS: DWG# WOP: 83988 JOB#: 0616-842 DRAWN BY: P.E. APPROVED BY: Approved By P.E. DATE: 10/25/16	
UG	3(1") PVC W/ F.O. CABLE	PS LIGHT WAVE SET POLE	DATE: Rev#1 Date	DATE: Rev#1 Date	DATE: Rev#1 Date	DATE: Rev#1 Date	DATE: Rev#1 Date	DATE: Rev#1 Date	DATE: Rev#1 Date
UG	3(1.25") PVC W/ F.O. CABLE	EXISTING UTILITY POLE	DATE: Rev#2 Date	DATE: Rev#2 Date	DATE: Rev#2 Date	DATE: Rev#2 Date	DATE: Rev#2 Date	DATE: Rev#2 Date	DATE: Rev#2 Date
UG	1(2") PVC W/ F.O. CABLE	PROPOSED VAULT (SMALL 30"x17"x17")	DATE: Rev#3 Date	DATE: Rev#3 Date	DATE: Rev#3 Date	DATE: Rev#3 Date	DATE: Rev#3 Date	DATE: Rev#3 Date	DATE: Rev#3 Date
UG	1(4") HDPE W/ 3(1.25")PVC	PROPOSED VAULT (SMALL 36"x24"x26")	DATE: Rev#4 Date	DATE: Rev#4 Date	DATE: Rev#4 Date	DATE: Rev#4 Date	DATE: Rev#4 Date	DATE: Rev#4 Date	DATE: Rev#4 Date
AIR	FLEX INNERDUCT	EXISTING VAULT							
CAT5	AERIAL FIBER OPTIC CABLE	PULLBOX							
		MDF LOCATION							



LEGEND		PS LIGHT WAVE SET POLE	
UG	3(1") PVC W/ F.O. CABLE	☒	EXISTING UTILITY POLE
UG	1(2.25") PVC W/ F.O. CABLE	☒	PROPOSED VAULT (SMALL 30"x17"x17")
UG	1(2") PVC W/ F.O. CABLE	☒	PROPOSED VAULT (SMALL 36"x24"x26")
UG	(14") HDPE W/ 3(0.25")PVC	☒	EXISTING VAULT
---	FLEX INNERDUCT	☒	PULLBOX
---	EDGE-OF-PAVEMENT	☒	MDF LOCATION
---	FENCE	☒	
AIR	AERIAL FIBER OPTIC CABLE	☒	
CATS	CATS CABLE	☒	
CATS		☒	

		CUSTOMER ID: JOB# 0616-842 PLW	
PROPRIETARY INFORMATION - PROPERTY OF PHONOSCOPE LIGHTWAVE		CUSTOMER: Notice of Proposed Utility Installation	
ADDRESS: Harlem Rd		CITY/ZIP: Richmond, TX 77407	
		COUNTY: Fort Bend	
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: 0616-842		DRAWN BY: P.E.	
APPROVED BY: P.E.		DATE: 10/25/16	
SCALE: 1"=60'		PAGE: 2	
OF: 6			



PHONOBSCOPE
LIGHTWAVE

PROPRIETARY INFORMATION - PROPERTY OF PHONOBSCOPE LIGHTWAVE

CUSTOMER ID: JOB# 0616-842 PLW

CUSTOMER: Notice Of Proposed Utility Installation

ADDRESS: Harlem Rd

CITY/ZIP: Richmond, TX 77407

COUNTY: Fort Bend

REVISION#1: Rev#1	DATE: Rev#1 Date	# OF FLOORS:	DWG#:	KEY MAP: 528 G, L
REVISION#2: Rev#2	DATE: Rev#2 Date	WOF: 83988	JOB# 0616-842	DRAWN BY: P.E.
REVISION#3: Rev#3	DATE: Rev#3 Date	APPROVED BY: P.E.	DATE: 10/25/16	
REVISION#4: Rev#4	DATE: Rev#4 Date			

SCALE: 1" = 60'

PAGE: 1

OF: 6

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

PROPOSED CONDUIT

EXISTING CONDUIT

1.25" EMT

R/W

EDGE-OF-PAVEMENT

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(0.25")PVC

FLEX INNERDUCT

AIR FIBER OPTIC CABLE

CATS CABLE





CUSTOMER ID:
JOB# 0616-842 PLW

CUSTOMER: Notice Of Proposed Utility Installation

ADDRESS: Harlem Rd

CITY/ZIP: Richmond, TX 77407

COUNTY: Fort Bend

DATE: Rev#1 Date

DATE: Rev#2 Date

DATE: Rev#3 Date

DATE: Rev#4 Date

DATE: 10/25/16

REVISION#1: Rev#1

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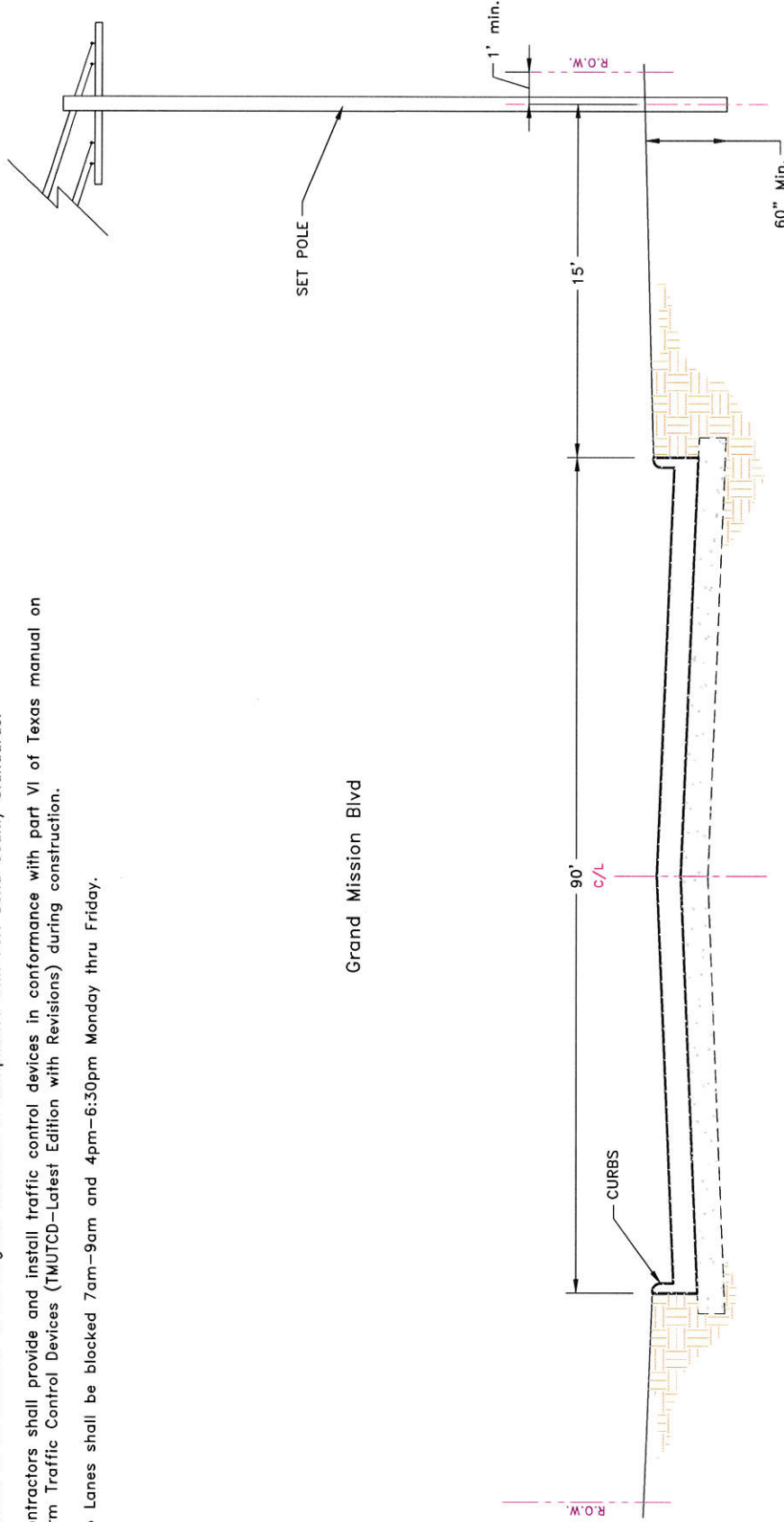
FLEX INNERDUCT

AIR

CAT5

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.



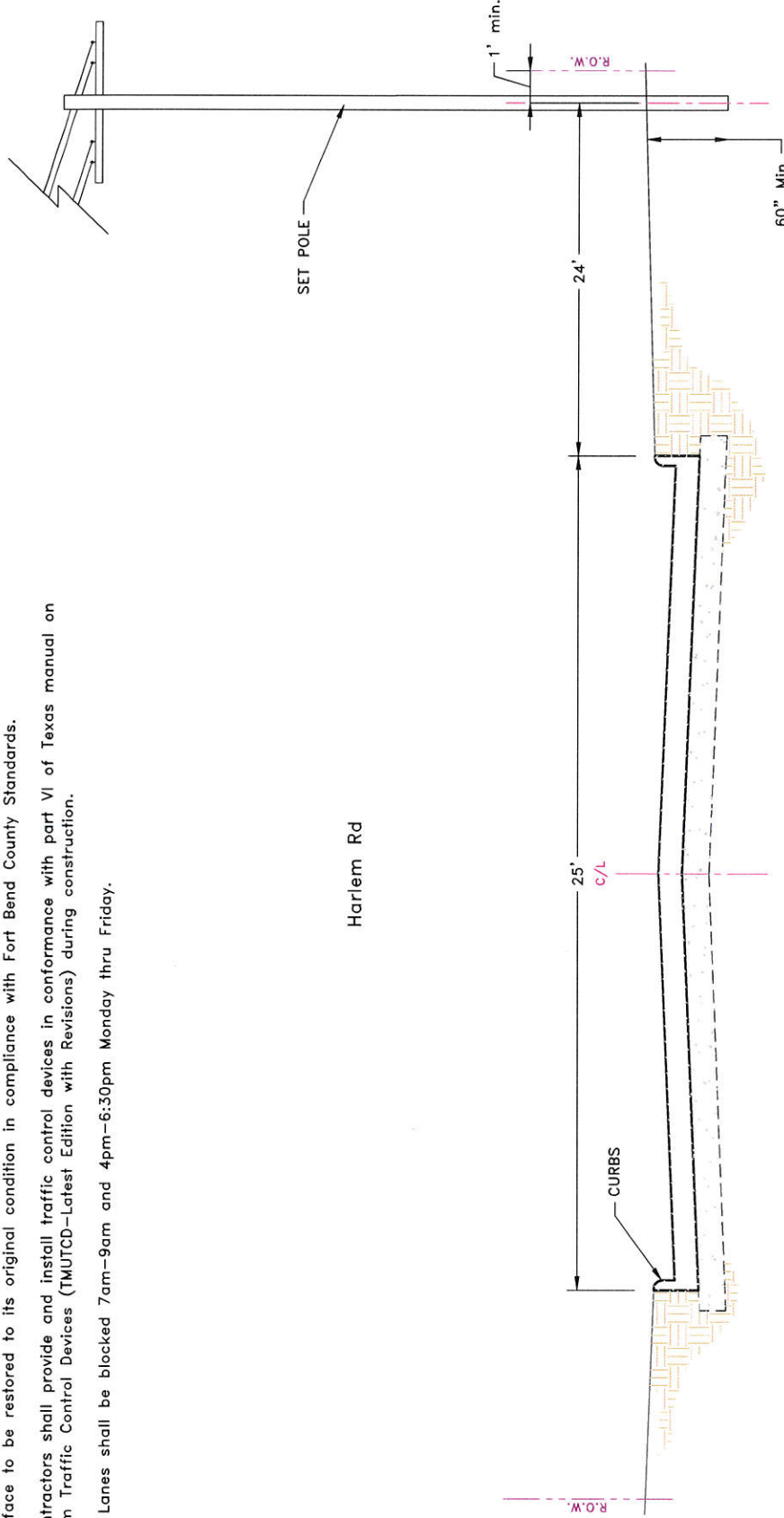
PHONON LIGHTWAVE PROPRIETARY INFORMATION - PROPERTY OF PHONON LIGHTWAVE		Job# 0616-842 PLW Description: Notice Of Proposed Utility Installation Address: Grand Mission Blvd		CITY/ZIP: Richmond, TX 77407 COUNTY: Fort Bend	
REVISION#1: Rev#1 DATE: Rev#1 Date	REVISION#2: Rev#2 DATE: Rev#2 Date	REVISION#3: Rev#3 DATE: Rev#3 Date	REVISION#4: Rev#4 DATE: Rev#4 Date	WOF: 83988 JOB# 0616-842	KEY MAP: 528 L DATE: 10/25/2016
SCALE: N.T.S. PAGE: 5 OF: 6		APPROVED BY: Approved By P.E. DATE: 10/25/2016			

LEGEND

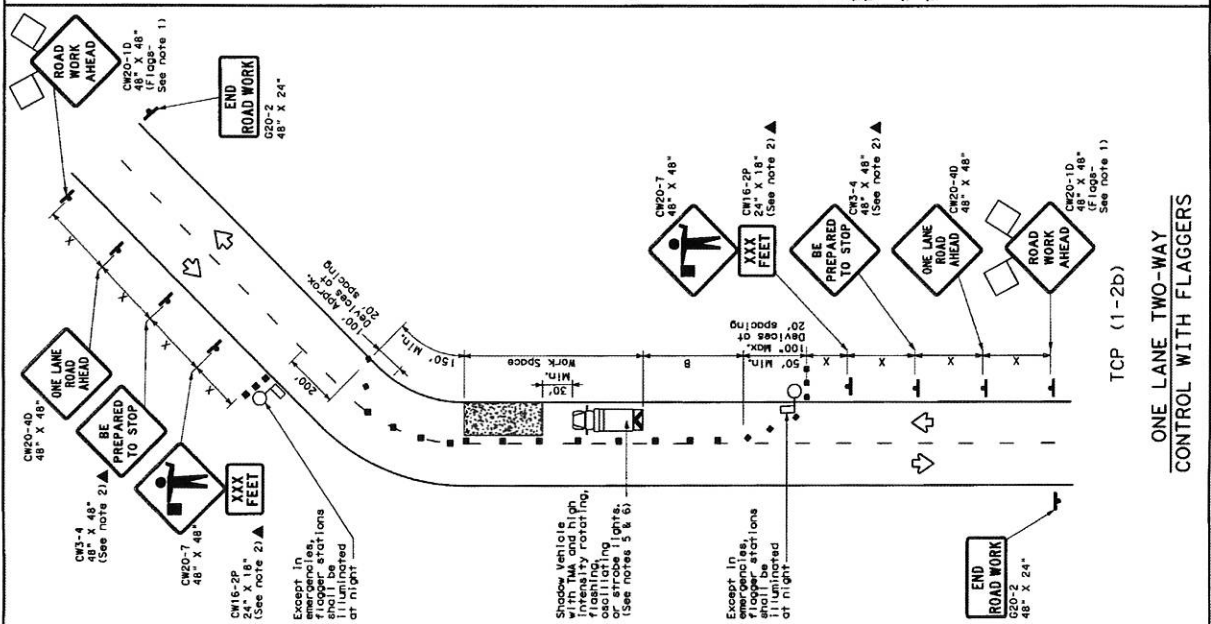
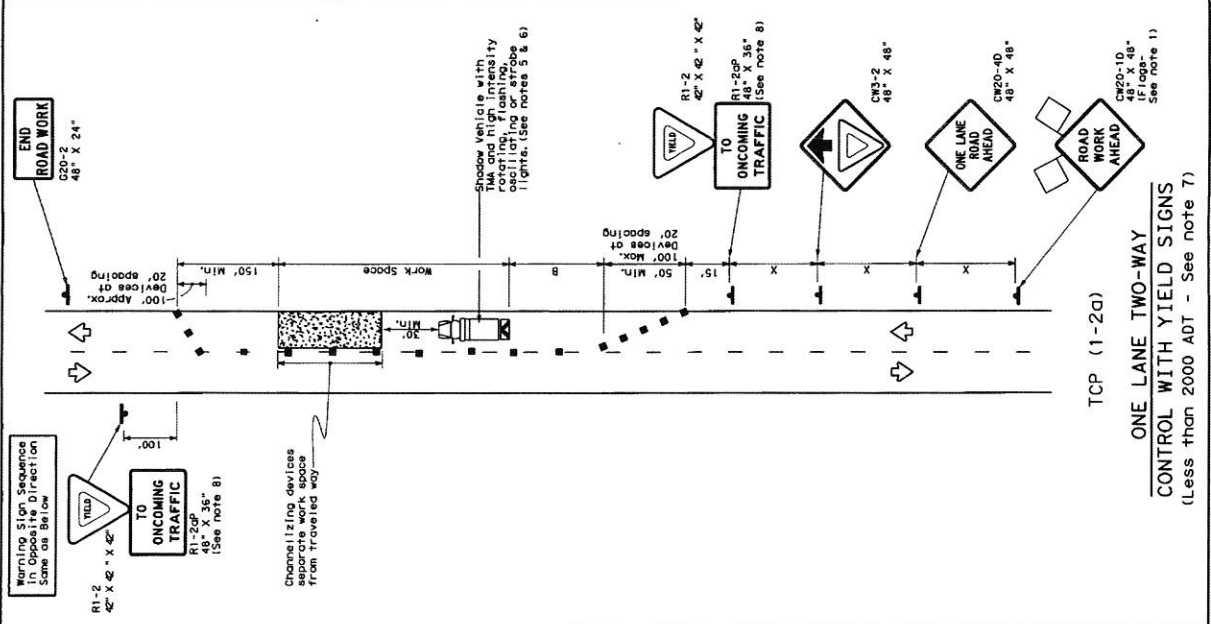
	3(1") PVC W/ F.O. CABLE		PS Light Wave SET POLE		PROPOSED CONDUIT
	3(1.25") PVC W/ F.O. CABLE		EXISTING UTILITY POLE		EXISTING CONDUIT
	1(2") PVC W/ F.O. CABLE		PROPOSED VAULT (UNIVERSAL 24"x36"x24")		1.25" EMT
	UG		PROPOSED VAULT (LARGE 36"x24"x26")		RIGHT-OF-WAY
	UG		EXISTING VAULT		EDGE-OF-PAVEMENT
	UG		PULLBOX		FENCE
	AIR		MDF LOCATION		RACK LOCATION
	CATS				

General Notes:

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LEGEND		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	
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 CABLE	PROPOSED CONDUIT EXISTING CONDUIT 1.25" EMT RIGHT-OF-WAY EDGE-OF-PAVEMENT FENCE RACK LOCATION	PHONOSCOPE LIGHTWAVE PROPRIETARY INFORMATION - PROPERTY OF PHONOSCOPE LIGHTWAVE REVISION#1: Rev#1 REVISION#2: Rev#2 REVISION#3: Rev#3 REVISION#4: Rev#4 DATE: Rev#1 Date DATE: Rev#2 Date DATE: Rev#3 Date DATE: Rev#4 Date SCALE: N.T.S. PAGE: 6 OF: 6	
Job# 0616-842 PLW Description: Notice Of Proposed Utility Installation Address: Harlem Rd CITY/ZIP: Richmond, TX 77407 COUNTY: Fort Bend KEY MAP: 528 L DATE: 10/25/2016		APPROVED BY: P.E. DATE: 10/25/2016	



LEGEND

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

Formula	Minimum Taper Lengths	Suggested Maximum Taper Lengths	Minimum Sign Spacing	Suggested Maximum Sign Spacing	Stopping Distance
30	150'	180'	120'	120'	200'
35	150'	180'	120'	120'	200'
40	150'	180'	120'	120'	200'
45	150'	180'	120'	120'	200'
50	150'	180'	120'	120'	200'
55	150'	180'	120'	120'	200'
60	150'	180'	120'	120'	200'
65	150'	180'	120'	120'	200'
70	150'	180'	120'	120'	200'
75	150'	180'	120'	120'	200'

* 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.
- Flags should be used in all cases where shown, except those shown with the triangle symbol may be omitted when stored elsewhere in the place, or for routine maintenance work, when approved by the Engineer.
- The W1-2a "BE PREPARED TO STOP" sign may be installed after the W1-2b "YIELD" sign.
- Signs should be placed in advance of the work zone. The W1-2a "BE PREPARED TO STOP" sign may be used in advance of the work zone.
- 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 safety of the work zone. The Shadow Vehicle should be used in all cases where shown.
- Additional Shadow Vehicles with TMAs may be positioned off the paved surface, next to those shown in order to protect other work spaces.

TCP (1-2a)

W1-2 "YIELD" sign traffic control may be used on projects with approaches that have a length of work space should be based on the ability of flaggers to communicate, and the length of work space should be no longer than 400 feet.

W1-2a "BE PREPARED TO STOP" sign with R1-2a "YIELD" sign shall be placed on a support at a 7 foot minimum mounting height.

TCP (1-2b)

Flaggers 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, and the length of work space should be no longer than 400 feet. Flaggers should be positioned in advance of the work zone, and the length of work space should be no longer than 400 feet. Flaggers should be positioned in advance of the work zone, and the length of work space should be no longer than 400 feet.

For construction or maintenance work, specific project requirements for work zone control signs should be followed. These signs can be found in the Texas Department of Transportation (TxDOT) Standard Specifications for Item 502, Signs and Traffic Handling.

TRAFFIC CONTROL PLAN
 ONE-LANE TWO-WAY
 TRAFFIC CONTROL
 TCP (1-2) -12