

**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: 2017-11831

Applicant: PS Light Wave, Inc

Job Location Site: Binion Lane, Richmond, TX 77047

Bond No. **Date of Bond:** 12/13/2016 **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 28th day of February, 2017, Upon Motion of Commissioner Morales, seconded by Commissioner Patterson, 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.

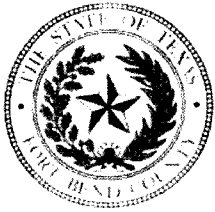
By: Charles O. Ay
for County Engineer

Date Recorded 3/10/17 Comm. Court No. 14P

By: N/A
Drainage District Engineer/Manager

Clerk of Commissioners Court

By: Amelia Wilho
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
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☒ Right of Way Permit
☐ Commercial Driveway Permit
Permit No: 2017-11831

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

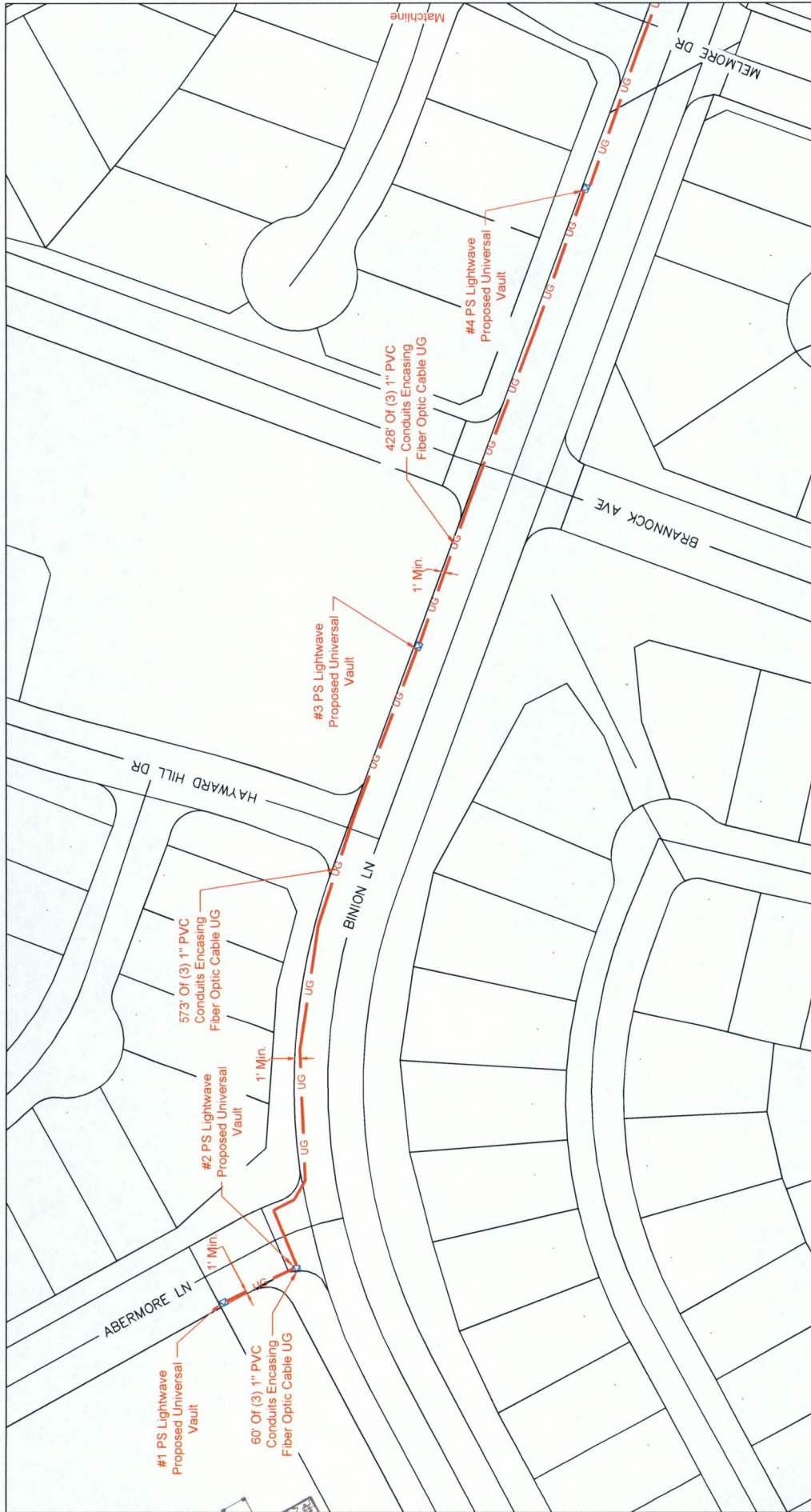
We have reviewed this project and agree it meets minimum requirements.

Charles O. Al

Permit Administrator

2/21/17

Date



Lightwave
PROPRIETARY INFORMATION - PROPERTY OF PS LIGHTWAVE

CUSTOMER ID:
JOB# 0616-806 PLW

CUSTOMER:
Notice of Proposed Utility Installation

ADDRESS:
Binion Ln

CITY/ZIP:
Richmond, TX 77047

COUNTY:
Fort Bend

TENANTS:
DW#

OF FLOORS:
JOB# 0616-806

DRAWN BY:
GC

DATE:
02/01/17

APPROVED BY:
DATE:

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"=80'

PAGE: 1

OF: 5

PSLW SET POLE

EXISTING SET POLE

EXISTING UTILITY POLE

PROPOSED PSLW VAULT (24"x36"x24")

EXISTING VAULT

PULLBOX

MDF LOCATION

PROPOSED CONDUIT

EXISTING CONDUIT

1.25" EMT

R/W

RIGHT-OF-WAY

EDGE-OF-PAVEMENT

FENCE

RACK LOCATION

3(1'') HDPE W/ F.O. CABLE

3(1.25'') HDPE W/ F.O. CABLE

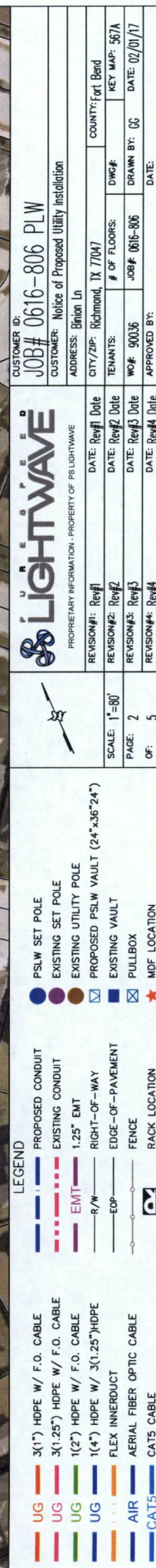
1(2'') HDPE W/ F.O. CABLE

1(4'') HDPE W/ 3(1.25'') HDPE

FLEX INNERDUCT

AERIAL FIBER OPTIC CABLE

CAT5

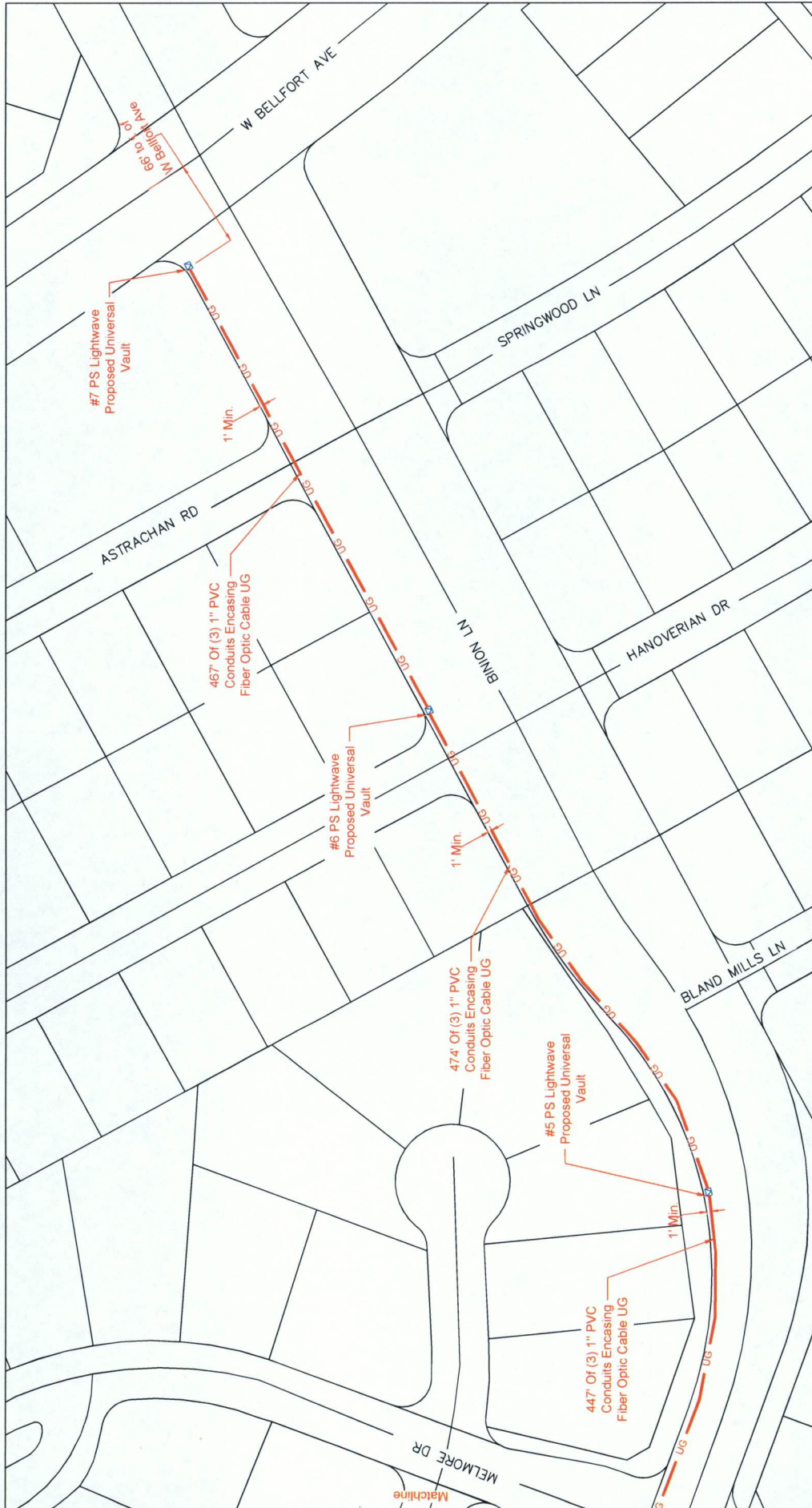


		CUSTOMER ID: JOB # 0616-806 PLW	
PROPRIETARY INFORMATION - PROPERTY OF PSLIGHTWAVE		CUSTOMER: Notice of Proposed Utility Installation	
ADDRESS: Brinn Ln		COUNTY: Fort Bend	
CITY/ZIP: Richmond, TX 77047		COUNTY: Fort Bend	
REVISION#1: Rev#1	DATE: Rev#1 Date	TEAM#1: # OF FLOORS:	KEY MAP: 567A
REVISION#2: Rev#2	DATE: Rev#2 Date	TEAM#2: JOB#:	DATE: 02/01/17
REVISION#3: Rev#3	DATE: Rev#3 Date	TEAM#3: JOB#:	DATE: 02/01/17
REVISION#4: Rev#4	DATE: Rev#4 Date	TEAM#4: JOB#:	DATE: 02/01/17

	SCALE: 1" = 80'
	PAGE: 2
	OF: 5

LEGEND

UG	3(1") HDPE W/ F.O. CABLE	PROPOSED CONDUIT	PSLV SET POLE
UG	3(1.25") HDPE W/ F.O. CABLE	EXISTING CONDUIT	EXISTING SET POLE
UG	1(2") HDPE W/ F.O. CABLE	EMT	EXISTING UTILITY POLE
UG	1(4") HDPE W/ 3(1.25") HDPE	R/W	PROPOSED PSLV VAULT (24" x 36" x 24")
UG	FLEX INNERDUCT	RIGHT-OF-WAY	EXISTING VAULT
AIR	AERIAL FIBER OPTIC CABLE	EDGE-OF-PAVEMENT	PULLBOX
CAT5	CAT5 CABLE	FENCE	RACK LOCATION



LEGEND

UG	3(1") HDPE W/ F.O. CABLE	PSLW SET POLE
UG	3(1.25") HDPE W/ F.O. CABLE	EXISTING SET POLE
UG	1(2") HDPE W/ F.O. CABLE	EXISTING UTILITY POLE
UG	1(4") HDPE W/ 3(1.25")HDPE	PROPOSED PSLW VAULT (24"x36"x24")
UG	FLEX INNERDUCT	EXISTING VAULT
AIR	AERIAL FIBER OPTIC CABLE	PULLBOX
CAT5	CAT5	MDF LOCATION

REVISIONS

REVISION#	DATE	REV#1	DATE	REV#2	DATE	REV#3	DATE	REV#4
1								
2								
3								
4								

SCALE: 1"=80'

PAGE: 3

OF: 5

CUSTOMER ID: JOB# 0616-806 PLW

CUSTOMER: Notice of Proposed Utility Installation

ADDRESS: Brion Ln

CITY/ZIP: Richmond, TX 77047

TENANTS: WOF 90036

APPROVED BY:

DATE:

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: 1"=80'

PAGE: 3

OF: 5

COUNTY: Fort Bend

DWG#:

OF FLOORS:

JOB#: 0616-806

KEY MAP: 567A

DRAWN BY: CC

DATE: 02/01/17



PS LIGHTWAVE
PROPRIETARY INFORMATION - PROPERTY OF PS LIGHTWAVE

CUSTOMER ID: JOB# 0616-806 PLW

CUSTOMER: Notice of Proposed Utility Installation

ADDRESS: Brion Ln

CITY/ZIP: Richmond, TX 77047

TENANTS: DWG#

WOF# 90036

APPROVED BY: DATE:

DATE: Rev#1 Date

DATE: Rev#2 Date

DATE: Rev#3 Date

DATE: Rev#4 Date

SCALE: 1"=80'

PAGE: 4

OF: 5

PSLW SET POLE

EXISTING SET POLE

EXISTING UTILITY POLE

PROPOSED PSLW VAULT (24"x36"x24")

EXISTING VAULT

PULLBOX

MDF LOCATION

PROPOSED CONDUIT

EXISTING CONDUIT

1.25" EMT

RIGHT-OF-WAY

EDGE-OF-PAVEMENT

FENCE

RACK LOCATION

3(1") HDPE W/ F.O. CABLE

3(1.25") HDPE W/ F.O. CABLE

1(2") HDPE W/ F.O. CABLE

1(4") HDPE W/ 3(1.25") HDPE

FLEX INNERDUCT

AIRIAL FIBER OPTIC CABLE

CAT5

UG

UG

UG

UG

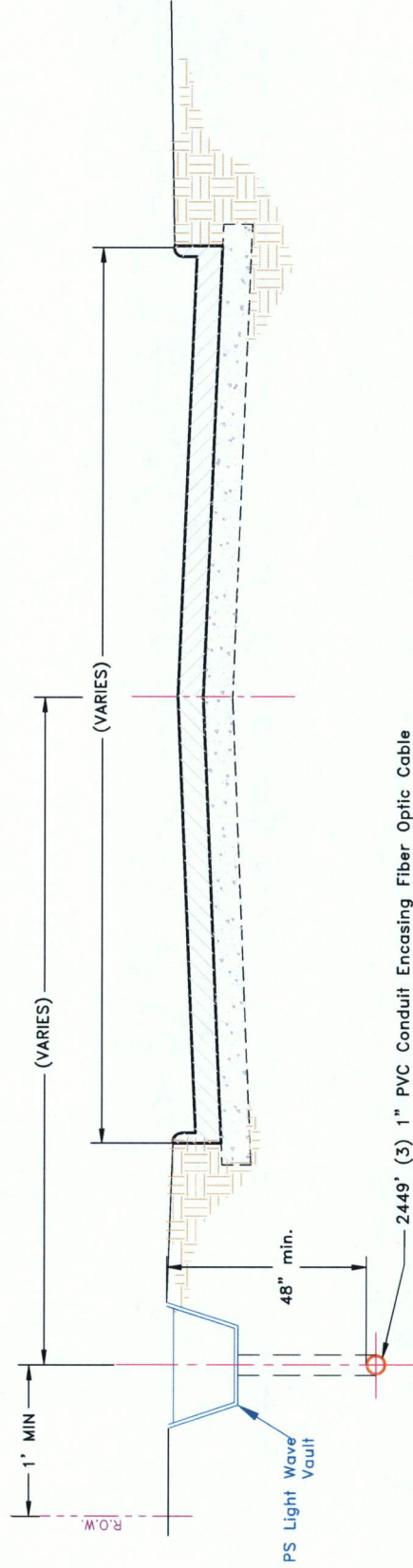
AIR

CAT5

General Notes:

- 1) Surface to be restored to its original condition in compliance with Fort Bend Co. 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.

Binion Ln



LEGEND

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

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

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



PROPRIETARY INFORMATION - PROPERTY OF PSLIGHTWAVE

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: N.T.S.
PAGE: 5
OF: 5

JOB# 0616-806 PLW

Description: Notice of Proposed Utility Installation

ADDRESS: Binion Ln

CITY/ZIP: Richmond, TX 77047

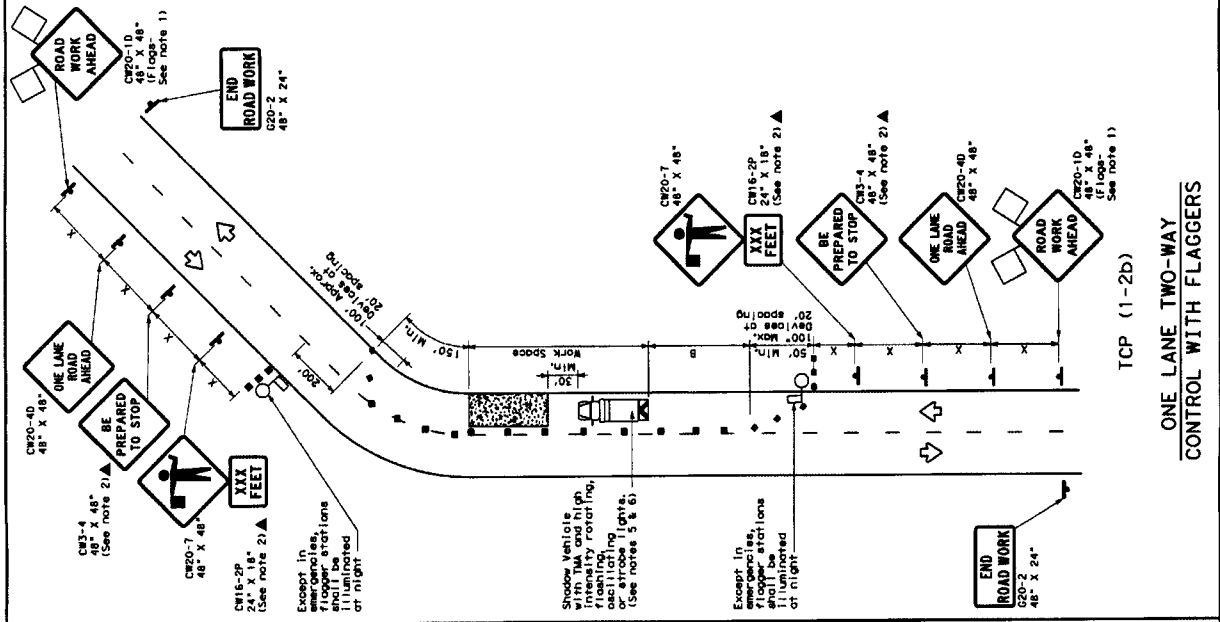
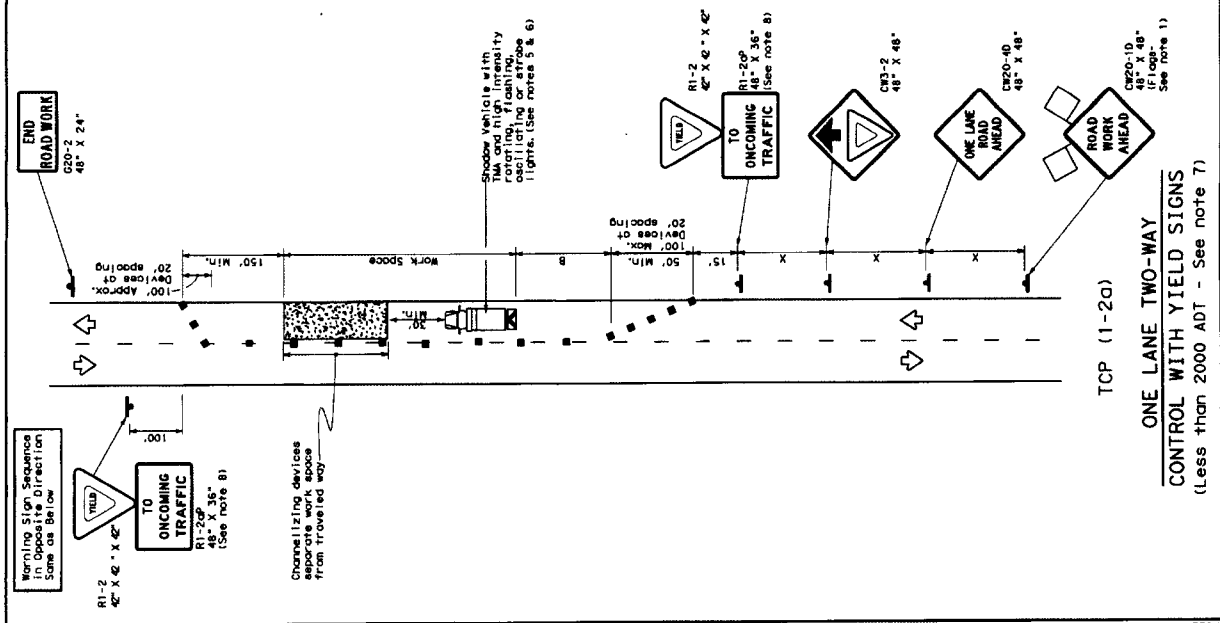
COUNTY: Fort Bend

TENANTS: DWG#

WOF: 90036 JOB# 0616-806

APPROVED BY: DATE: 02/01/17

KEY MAP: 561A



LEGEND

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

Typical Usage

MOBILE	SHORT STATION	INTERMEDIATE	LONG TERM STATIONARY
✓	✓	✓	✓

Table 1: Stopping Sight Distance (SSD) Requirements

Speed (mi/h)	SSD (ft)
30	150
35	180
40	215
45	255
50	300
55	350
60	400
65	455
70	515
75	580
80	650
85	725
90	805
95	890
100	980

Table 2: Stopping Sight Distance (SSD) Requirements

Speed (mi/h)	SSD (ft)
30	150
35	180
40	215
45	255
50	300
55	350
60	400
65	455
70	515
75	580
80	650
85	725
90	805
95	890
100	980

GENERAL NOTES

1. All traffic control devices illustrated are REQUIRED, except those denoted with the word "OPTIONAL".
2. The CR2-4 "BE PREPARED TO STOP" sign may be installed after the CR2-40 "ONE LANE ROAD AHEAD" sign, but proper sign spacing shall be maintained.
3. The CR2-4 "BE PREPARED TO STOP" sign may be installed after the CR2-40 "ONE LANE ROAD AHEAD" sign, but proper sign spacing shall be maintained.
4. Sign spacing may be increased or an additional CR2-40 "ONE LANE ROAD AHEAD" sign may be used in advance of the area of 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 Barriade or other channelizing devices shall be used to protect the work area.
5. Additional Stoppage Vehicles with TMA may be positioned off the paved surface, next to those shown in order to protect wider work spaces.

TCP (1-2a)

1. R1-2 "YIELD" sign traffic control may be used on projects with approaches that have adequate sight distance. For projects in urban areas, work spaces should be no longer than one half city block. In rural areas on roadways with less than 2000 ADT, work spaces should be no longer than 400 feet.

TCP (1-2b)

1. Flaggers should use two-way radios or other methods of communication to control traffic. 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 flagger and a queue of stopped vehicles (see table above).

2. Channelizing devices on the center line may be omitted when a pilot car is leading the work space.

3. Flaggers should use 24" STOP/SLOW paddles to control traffic. Flags should be limited to emergency situations.

FOR CONSTRUCTION OR MAINTENANCE WORK, SPECIFIC PROJECT REQUIREMENTS FOR TRAFFIC CONTROL DEVICES MAY BE FOUND IN THE PROJECT GENERAL NOTES.

ITEM 502. TRAFFIC CONTROL TYPE AND TRAFFIC CONTROL PLAN.

Texas Department of Transportation

Traffic Operations Division

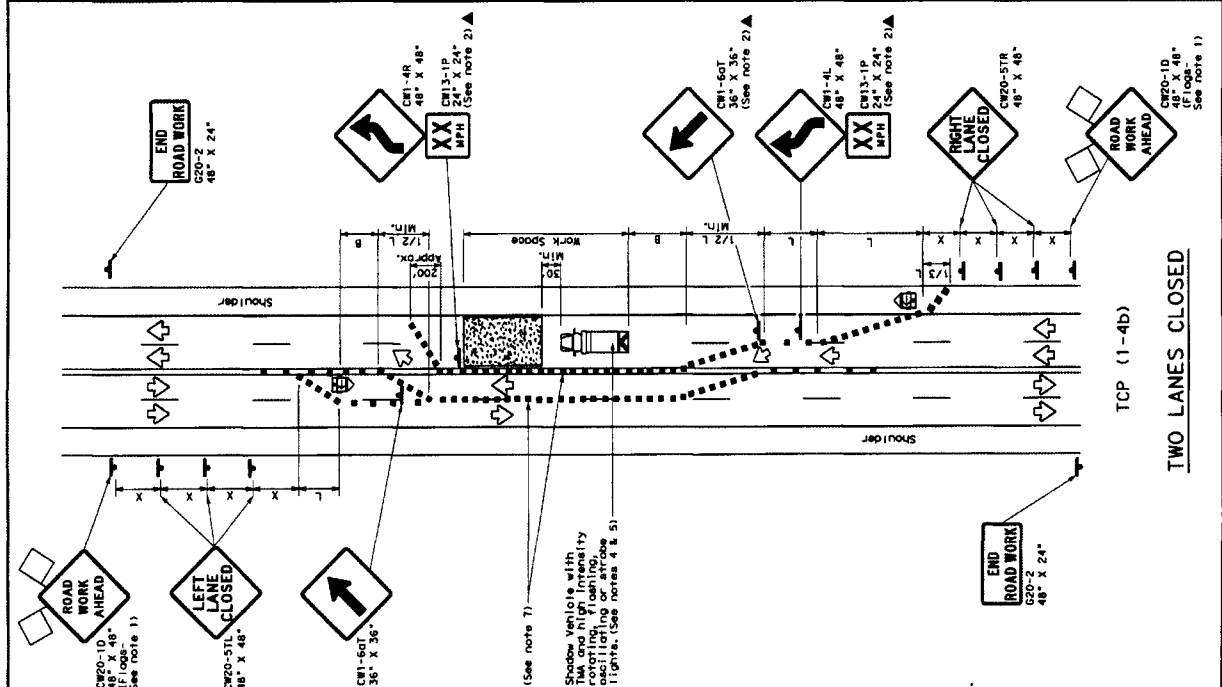
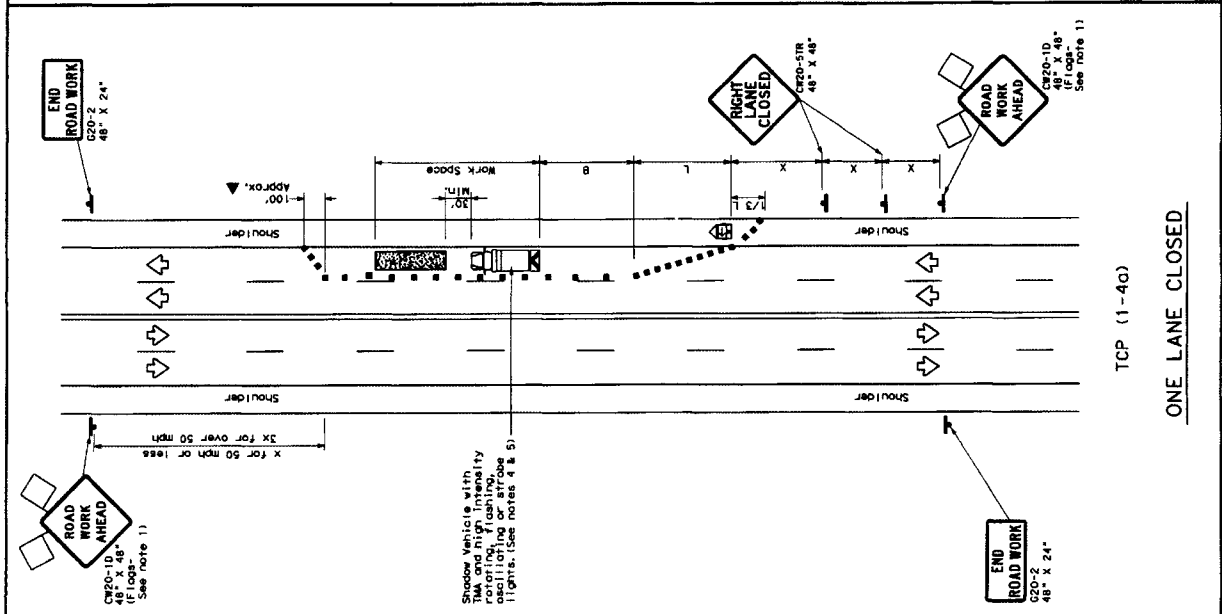
TRAFFIC CONTROL PLAN

ONE-LANE TWO-WAY

TRAFFIC CONTROL

TCP (1-2) - 12

DISCLAIMER: The use of this standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by TxDOT for any purpose whatsoever. TxDOT assumes no responsibility for the consequences of any use of this standard to other than the intended purpose. The user assumes all liability for the consequences of any use of this standard to other than the intended purpose.



LEGEND

Type	Symbol	Description
Channelizing Devices	■	Truck Mounted Attenuator (TMA)
Truck Mounted Attenuator (TMA)	■	Truck Mounted Attenuator (TMA)
Portable Changeable Message Sign (PCMS)	Ⓜ	Portable Changeable Message Sign (PCMS)
Flashing Arrow Board	Ⓜ	Flashing Arrow Board
Sign	Ⓜ	Sign
Flag	Ⓜ	Flag

TABLE 1

Posted Speed	Minimum Taper Length	Minimum Sign Spacing	Minimum Sign Spacing	Minimum Sign Spacing
MPH	ft	ft	ft	ft
30	150'	115'	180'	120'
35	205'	165'	245'	160'
40	265'	225'	320'	210'
45	325'	285'	400'	270'
50	385'	345'	480'	330'
55	445'	405'	560'	390'
60	505'	465'	640'	450'
65	565'	525'	720'	510'
70	625'	585'	800'	570'
75	685'	645'	880'	630'
80	745'	705'	960'	690'
85	805'	765'	1040'	750'
90	865'	825'	1120'	810'
95	925'	885'	1200'	870'
100	985'	945'	1280'	930'

GENERAL NOTES

1. All traffic control devices illustrated are REQUIRED, except those denoted as optional.
2. The CRD-10 "ROAD WORK AHEAD" sign may be repeated if the visibility of the work zone is less than 1500 feet.
3. Shadow Vehicle with a TMA should be used anytime it can be positioned in the work zone. The TMA should be illuminated with flashing lights.
4. The CRD-10 "ROAD WORK AHEAD" sign may be repeated if the visibility of the work zone is less than 1500 feet.
5. The CRD-10 "ROAD WORK AHEAD" sign may be repeated if the visibility of the work zone is less than 1500 feet.
6. If this TCP is used for a left lane closure, CRD-51L "LEFT LANE CLOSED" sign shall be used and channelizing device shall be placed on the left side of the work zone.
7. If this TCP is used for a right lane closure, CRD-51R "RIGHT LANE CLOSED" sign shall be used and channelizing device shall be placed on the right side of the work zone.

Texas Department of Transportation
Traffic Services Division

TRAFFIC CONTROL PLAN
LANE CLOSURES ON MULTILANE
CONVENTIONAL ROADS

TCP (1-4) - 12

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2-94 1-12
1-95 1-95
4-96 4-96