



**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: 2017-11879

Applicant: PS Light Wave, Inc.

Job Location Site: W. Airport Boulevard, Sugar Land, TX 77498

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

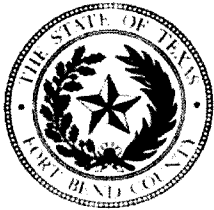
Presented to Commissioners Court and approved.

By: Charles O. Ay
for County Engineer

Date Recorded 3-10-17 Comm. Court No. 140

By: N/A
Drainage District Engineer/Manager

Clerk of Commissioners Court
By: Ronda Willis
Deputy



**PERMIT APPLICATION REVIEW FORM FOR
CABLE, CONDUIT, AND POLE LINE ACTIVITY
IN FORT BEND COUNTY**

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Permit No: 2017-11879

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

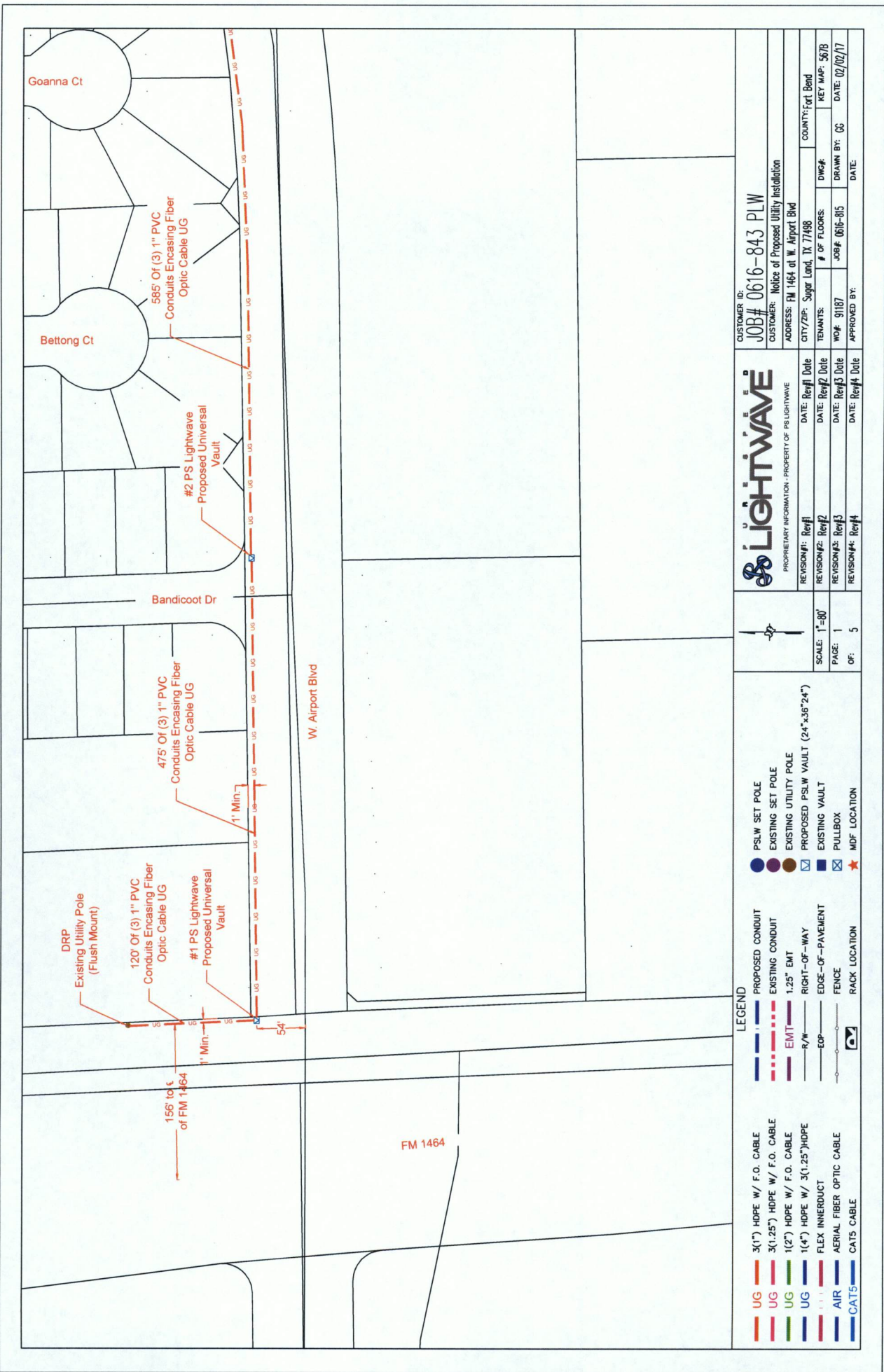
We have reviewed this project and agree it meets minimum requirements.

Charles O. Al

Permit Administrator

2/21/17

Date



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
- PSLW SET POLE
- EXISTING SET POLE
- EXISTING UTILITY POLE
- PROPOSED PSLW VAULT (24"x36"x24")
- EXISTING VAULT
- PULLBOX
- MDF LOCATION
- PROPOSED CONDUIT
- EXISTING CONDUIT
- EMT 1.25" EMT
- R/W RIGHT-OF-WAY
- EDGE-OF-PAVEMENT
- FENCE
- RACK LOCATION



CUSTOMER ID: JOB# 0616-843 PLW	
CUSTOMER: Notice of Proposed Utility Installation	
ADDRESS: FM 1464 at W. Airport Blvd	
CITY/ZIP: Sugar Land, TX 77498	COUNTY: Fort Bend
TENANTS: # OF FLOORS: DWG#:	KEY MAP: 5678
WO# 91187	JOB# 0616-843
APPROVED BY: DATE:	DRAWN BY: CG DATE: 02/02/17

REVISION#1: Ref1	DATE: Ref1 Date
REVISION#2: Ref2	DATE: Ref2 Date
REVISION#3: Ref3	DATE: Ref3 Date
REVISION#4: Ref4	DATE: Ref4 Date

SCALE: 1"=80'

PAGE: 1

OF: 5



LEGEND

UG	3(1") HDPE W/ F.O. CABLE	PROPOSED CONDUIT	PSLW 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 PSLW VAULT (24"x36"x24")
---	FLEX INNERDUCT	RIGHT-OF-WAY	EXISTING VAULT
AIR	AERIAL FIBER OPTIC CABLE	EDGE-OF-PAVEMENT	PULLBOX
CAT5	CAT5 CABLE	FENCE	MDF LOCATION

Lightwave
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

CUSTOMER ID:
JOB# 0616-843 PLW

CUSTOMER: Notice of Proposed Utility Installation

ADDRESS: FM 1464 at W. Airport Blvd

CITY/ZIP: Sugar Land, TX 77498

TENANTS: WQ# 91187

APPROVED BY:

DATE:

KEY MAP: 5878

DATE: 02/02/17

SCALE: 1"=80'

PAGE: 2

OF: 5

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

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# 0616-843 PLW
CUSTOMER: Notice of Proposed Utility Installation
ADDRESS: FM 1464 at W. Airport Blvd
CITY/ZIP: Sugar Land, TX 77498
COUNTY: Fort Bend
TENANTS: DWG#
NO. OF FLOORS: KEY MAP: 567B
WOF#: 0616-815
DRAWN BY: GS
DATE: 02/02/17

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

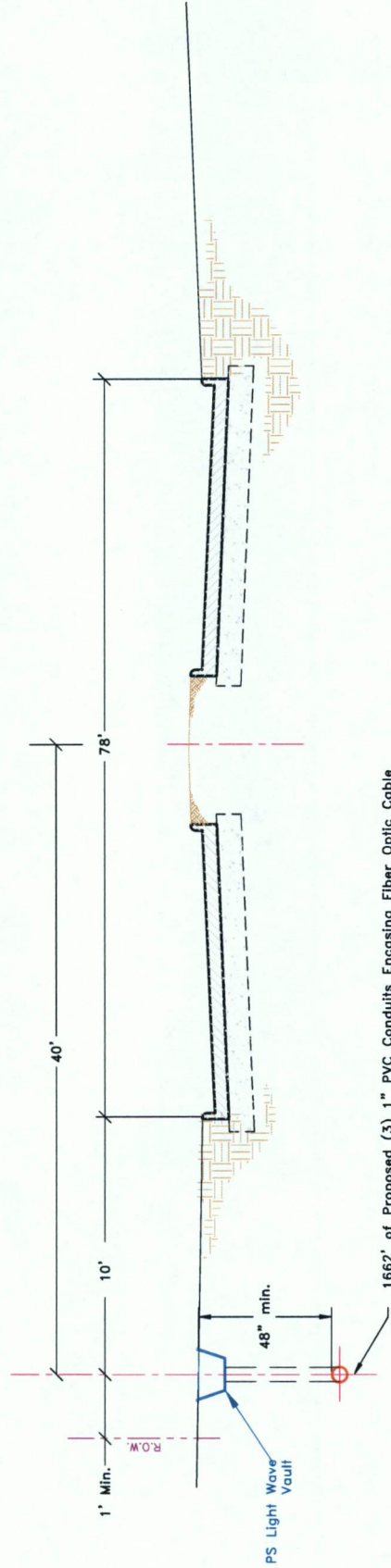
LEGEND

UG	3(1") HDPE W/ F.O. CABLE	PROPOSED CONDUIT	PSLW 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 PSLW VAULT (24"x36"x24")
---	FLEX INNERDUCT	RIGHT-OF-WAY	EXISTING VAULT
AIR	AERIAL FIBER OPTIC CABLE	EDGE-OF-PAVEMENT	PULLBOX
CAT5	CAT5 CABLE	FENCE	MDF LOCATION

General Notes:

- 1) Surface to be restored to its original condition in compliance with City of Sugar Land 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.

W Airport Blvd



1662' of Proposed (3) 1" PVC Conduits Encasing Fiber Optic Cable

LEGEND

- | | | | |
|------|-----------------------------|------------------|-----------------------------------|
| UG | 3(1") HDPE W/ F.O. CABLE | PROPOSED CONDUIT | PSLW SET POLE |
| UG | 3(1.25") HDPE W/ F.O. CABLE | EXISTING CONDUIT | EXISTING SET POLE |
| UG | 1(2") HDPE W/ F.O. CABLE | 1.25" EMT | EXISTING UTILITY POLE |
| UG | 1(4") HDPE W/ 3(1.25") HDPE | R/W | PROPOSED PSLW VAULT (24"x36"x24") |
| UG | FLEX INNERDUCT | EDGE-OF-PAVEMENT | EXISTING VAULT |
| AIR | AERIAL FIBER OPTIC CABLE | FENCE | PULLBOX |
| CAT5 | CAT5 CABLE | RACK LOCATION | MDF LOCATION |



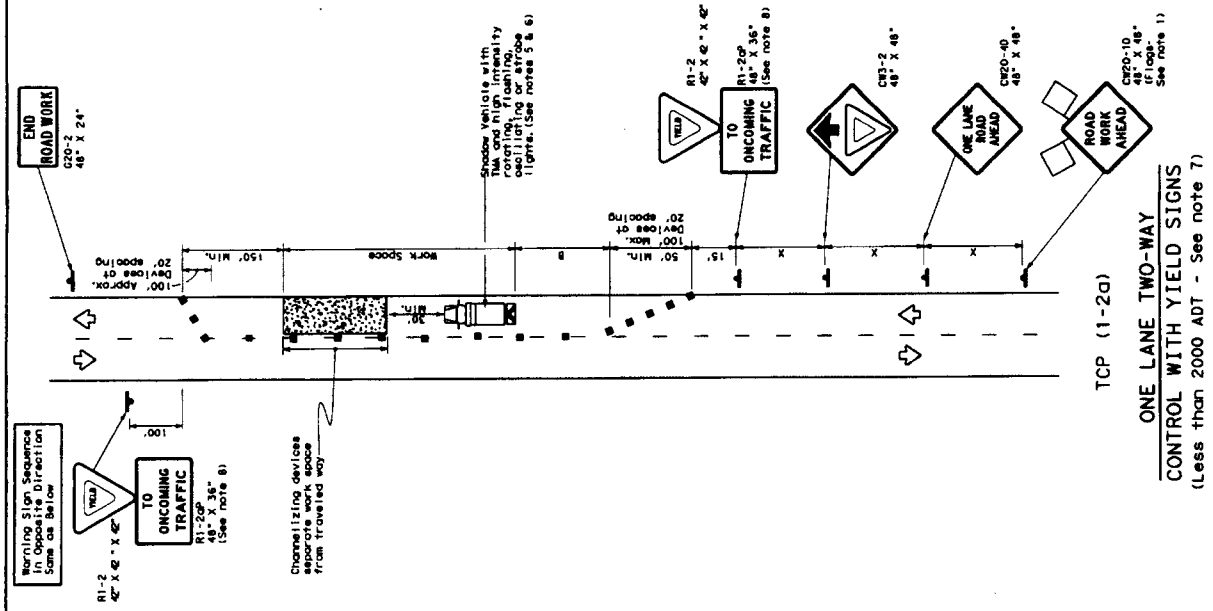
PROPRIETARY INFORMATION - PROPERTY OF PSLIGHTWAVE

SCALE: N.T.S.	REVISION#1: Rev#1	DATE: Rev#1 Date
PAGE: 5	REVISION#2: Rev#2	DATE: Rev#2 Date
OF: 5	REVISION#3: Rev#3	DATE: Rev#3 Date
	REVISION#4: Rev#4	DATE: Rev#4 Date

JOB # 0616-843 PLW

Description: Notice of Proposed Utility Installation
 ADDRESS: FM 1464 at W. Airport Blvd
 CITY/ZIP: Sugar Land, TX 77498
 COUNTY: Fort Bend
 TENANTS: DWG#
 WOF: 91187
 JOB# 0616-815
 DRAWN BY: G2
 DATE: 02/02/17
 APPROVED BY:
 DATE:

DISCLAIMER: The use of this standard is governed by the Texas Engineering Practice Act. No warranty of any kind is made by the Texas Department of Transportation for the use of this standard for purposes other than those intended.

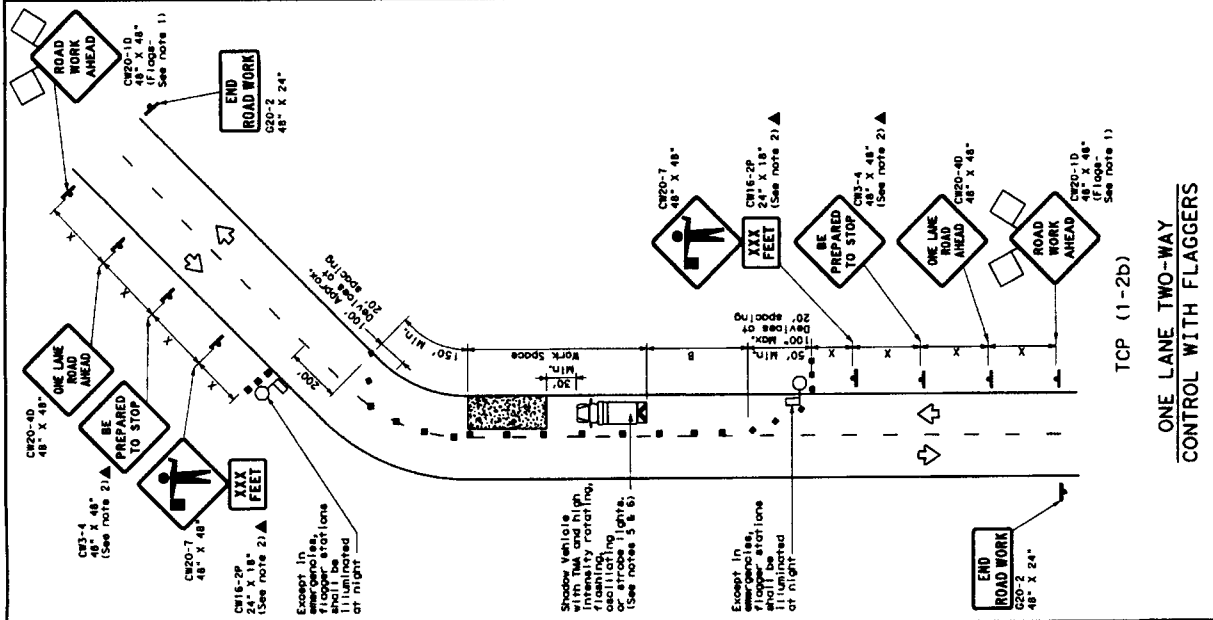


TCP (1-2a)

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

LEGEND

Type	Symbol	Channelizing Devices
Heavy Work Vehicle		Truck (Truck)
Trailer Mounted Flashing Arrow Board		Portable Changeable Message Sign (PCMS)
Sign		Traffic Flow
Flag		Flagger

Table 1: Stopping Sight Distance (SSD) - Feet

Speed (mi/h)	SSD (ft)
15	100
20	160
25	220
30	280
35	340
40	400
45	460
50	520
55	580
60	640
65	700
70	760
75	820

Table 2: Typical Usage

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

GENERAL NOTES

1. All traffic control devices illustrated are REQUIRED, except those denoted with the word "OPTIONAL".
2. The "PREPARED TO STOP" sign may be used in lieu of the "STOP" sign.
3. The "BE PREPARED TO STOP" sign may be used in lieu of the "STOP" sign.
4. The "BE PREPARED TO STOP" sign may be used in lieu of the "STOP" sign.
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11. The "BE PREPARED TO STOP" sign may be used in lieu of the "STOP" sign.
12. The "BE PREPARED TO STOP" sign may be used in lieu of the "STOP" sign.
13. The "BE PREPARED TO STOP" sign may be used in lieu of the "STOP" sign.

Formula	Minimum Desirable Tower Lengths # ft	Suggested Minimum Channeling Distances	Minimum Slight Sagging Distance	Suggested (unifactorial) Burlier Spacing
$L = WS^2$ $L = 60$	10'	10'	10'	90'
	15'	15'	15'	120'
	20'	20'	20'	150'
	25'	25'	25'	180'
	30'	30'	30'	210'
$L = WS$ $L = 60$	285'	295'	320'	350'
	450'	495'	540'	600'
	500'	550'	600'	660'
	550'	605'	660'	720'
	600'	660'	720'	780'
$L = WS$ $L = 65$	650'	715'	780'	850'
	700'	770'	840'	910'
	750'	825'	900'	975'
	800'	875'	950'	1025'
	850'	925'	1000'	1075'

*Taper lengths have been rounded off.

TYPICAL USAGE

GENERAL NOTES

2. All traffic control devices illustrated are REQUIRED.

- The vehicle's location may be defined when parked elsewhere in the plant, or for routine maintenance work, when approved by the Engineer.
- The GPS-10 "Road Work MEAD" sign may be repeated if the visibility of the work zone from less than 1500 feet is impaired.
- When the vehicle is positioned at the end of the work zone, with the front of the vehicle facing away from the traffic flow, it can be positioned 30 to 100 feet in advance of the area of new exposure without adversely affecting the performance or quality of the work. If workers are no longer present but road work conditions require the traffic control to remain in place, Type 3 barricades or other channelizing devices may be substituted in place of the vehicle.
- Additional Shovel Vehicles with Tills may be positioned off the paved surface, next to those shown in order to protect wider work areas.

5. If this TCP is used for a left lane closure, CR20-5TL "LEFT LANE CLOSED"

- signs shall be used and channelizing devices shall be placed on the centerline where needed to protect the work space from opposing traffic with the arrow panel placed in the closed lane near the end of the merging taper.

7. Where traffic is directed over a yellow centerline, channelizing devices

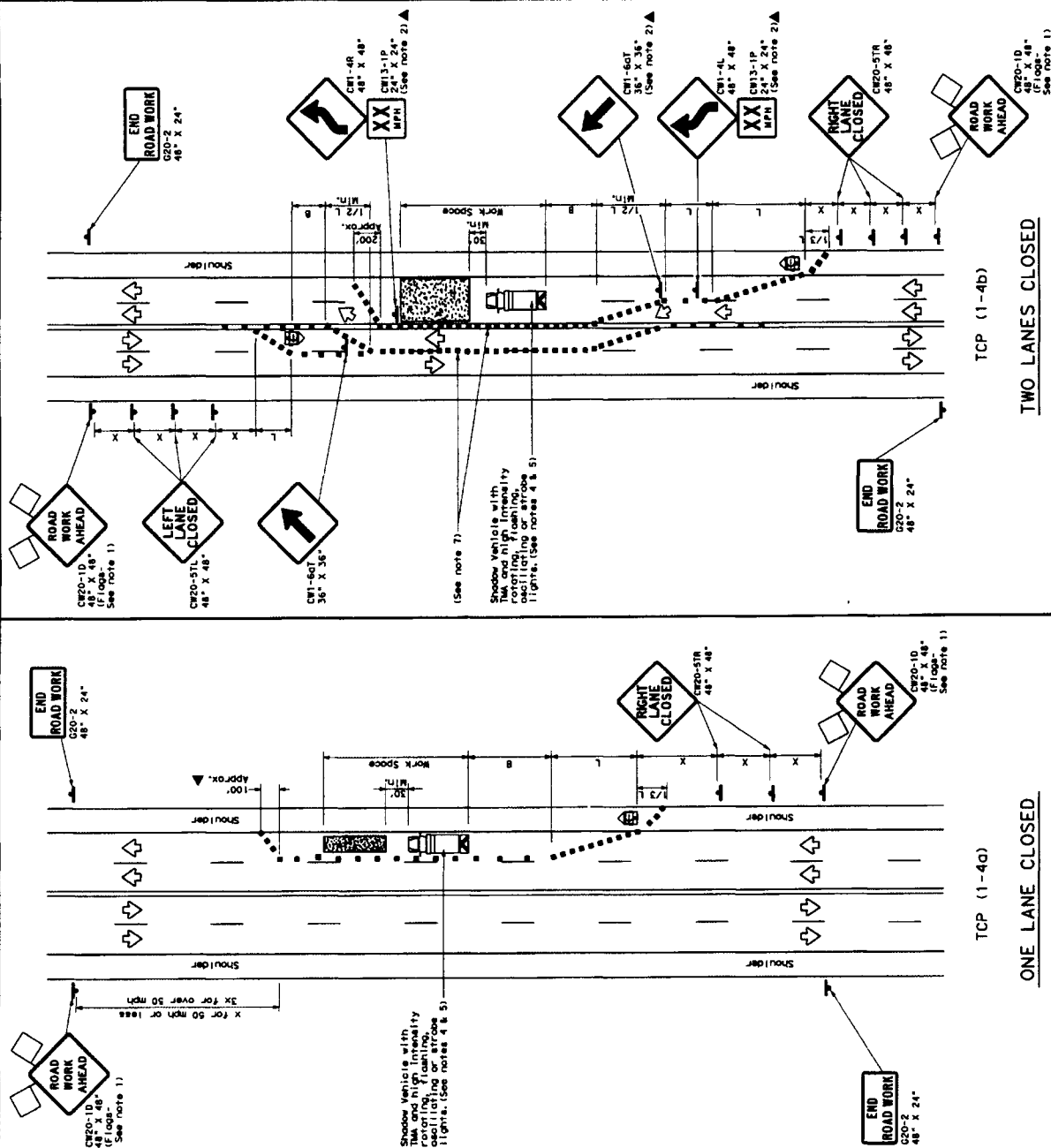
- which separate two-way traffic should be spaced on tapered at 20' or 15' if posted speeds are 35 mph or slower, and for tangent sections, at 1/2S where S is the speed in mph. This right-of-way device spacing is intended for the areas of conflicting markings, not the entire work zone.

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

Texas Department of Transportation
Traffic Operations Division

TRAFFIC CONTROL PLAN LANE CLOSURES ON MULTILANE CONVENTIONAL ROADS

TCP(1-4)-12

[illegible]

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