

**REVIEW BY FORT BEND COUNTY
COMMISSIONERS COURT**

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

Right of Way Permit
 Commercial Driveway Permit
Permit No: 2017-11442

Applicant: PS Light Wave, Inc

Job Location Site: Clodine Road, Richmond, TX 77407

Bond No. [REDACTED] 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 7th day of February, 2017, Upon Motion of Commissioner Meyers, 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

By: Charles O. Ay
County Engineer

By: N/A
Drainage District Engineer/Manager

Presented to Commissioners Court and approved.

Date Recorded 2-14-17 Comm. Court No. 15BB

Clerk of Commissioners Court

By: Amelia Wilkes
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: 2017-11442

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

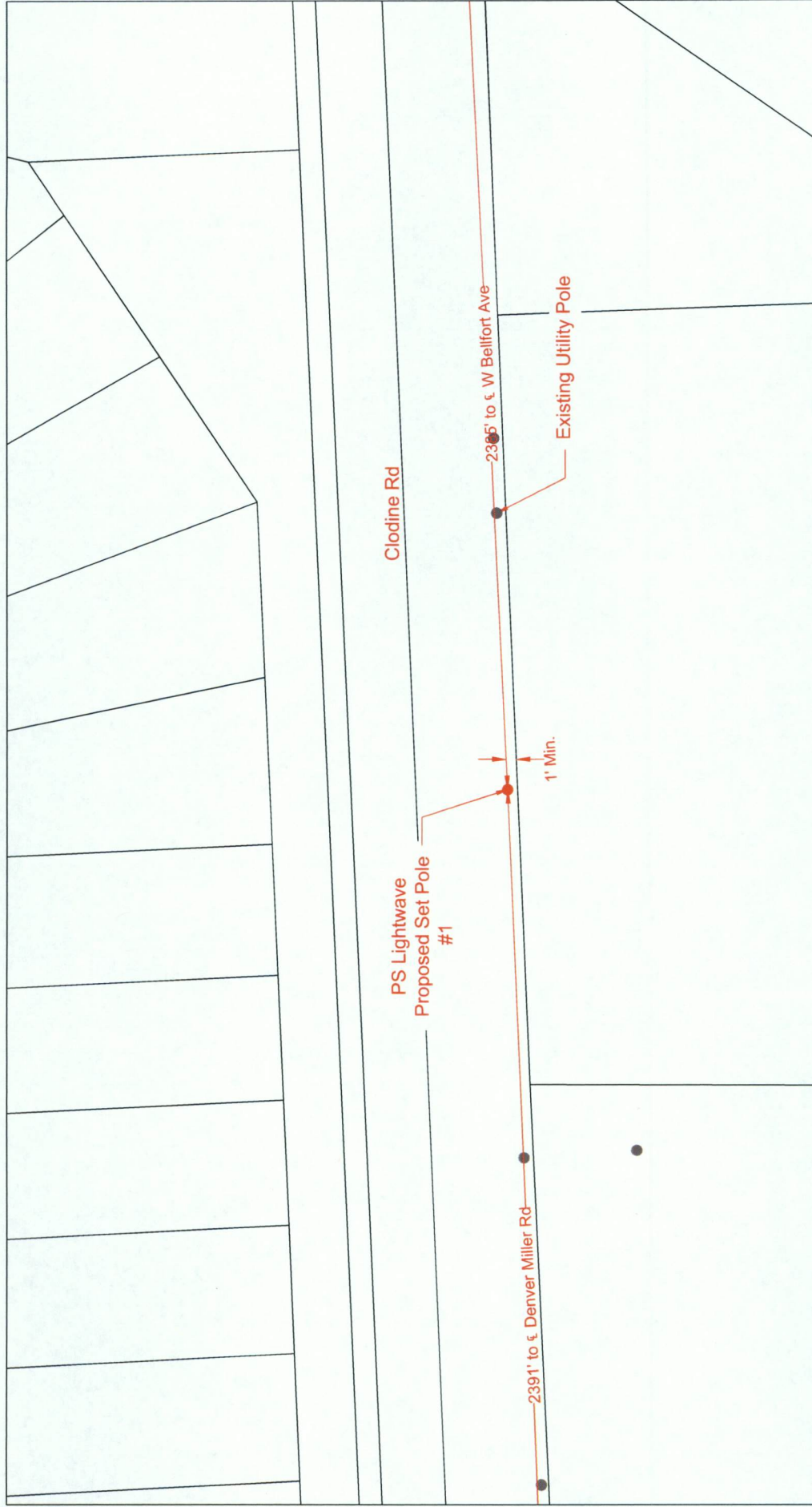
We have reviewed this project and agree it meets minimum requirements.

Charles O. Ay

Permit Administrator

1/31/17

Date



		CUSTOMER ID: JOB# 0616-842 PLW CUSTOMER: Notice Of Proposed Utility Installation ADDRESS: Clodine Rd	
REVISION#1: Rev#1 REVISION#2: Rev#2 REVISION#3: Rev#3 REVISION#4: Rev#4		CITY/ZIP: Richmond, TX 77407 TENANTS: WOF: 90317 APPROVED BY:	
SCALE: 1"=40' PAGE: 1 OF: 7		COUNTY: Fort Bend DWG#: # OF FLOORS: JOB#: 0616-842 DATE: 01/04/2017	
LEGEND <ul style="list-style-type: none"> UG 3(1") PVC W/ FIBER OPTIC CABLE UG 3(1.25") PVC W/ FIBER OPTIC CABLE UG 1(2") PVC W/ FIBER OPTIC CABLE UG 1(4") HDPE W/ 3(1.25")PVC FLEX INNERDUCT (INSIDE) AIR AERIAL FIBER OPTIC CABLE CAT5 CAT5 CABLE PROPOSED CONDUIT EXISTING CONDUIT 1.25" EMT R/W EDGE-OF-PAVEMENT EOP FENCE RACK LOCATION PSLW SET POLE EXISTING SET POLE EXISTING UTILITY POLE PROPOSED PSLW VAULT (36"x24"x24") EXISTING VAULT PULLBOX MDF LOCATION 			

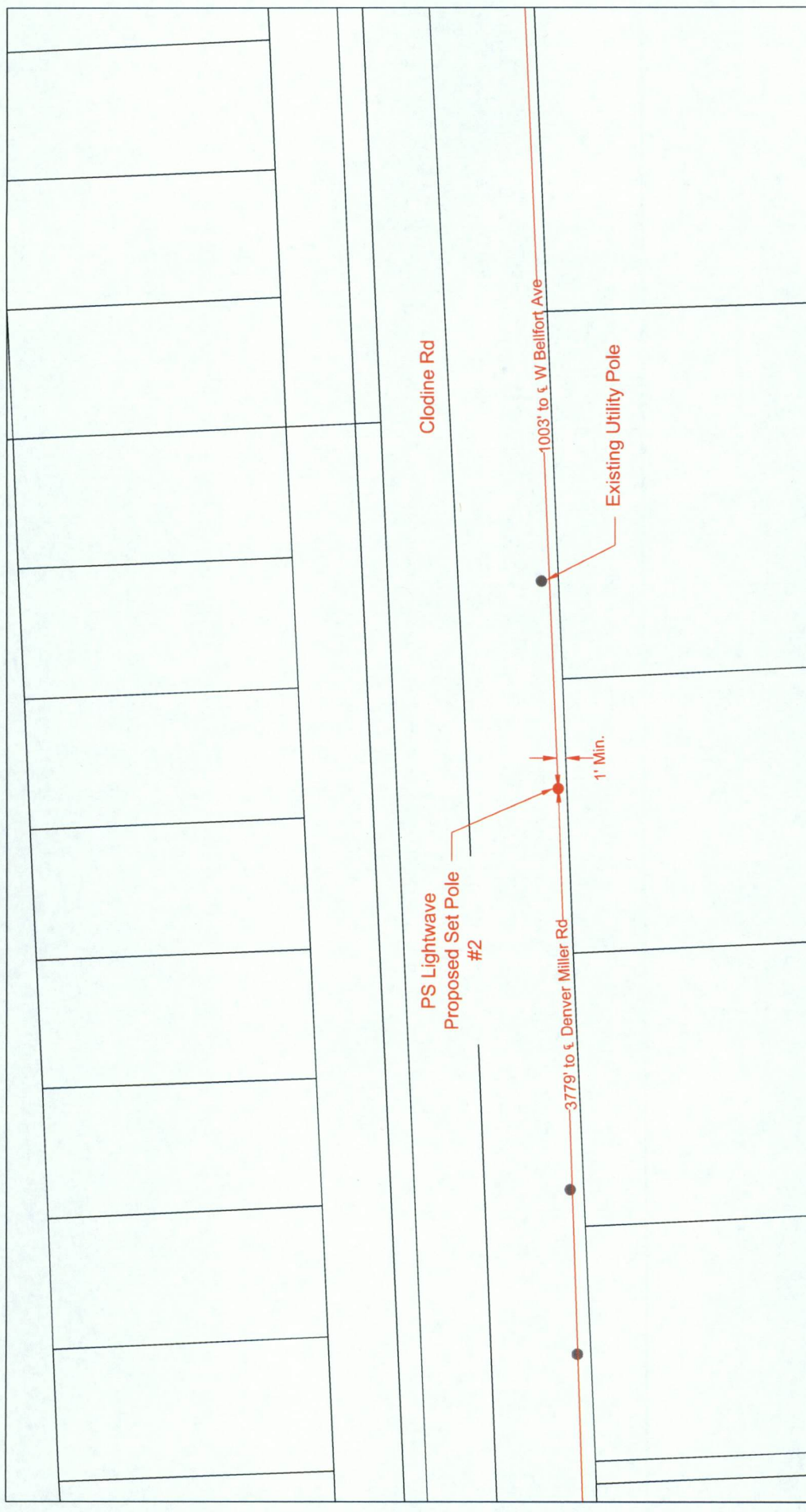


LEGEND	
UG	3(1") PVC W/ FIBER OPTIC CABLE
UG	3(1.25") PVC W/ FIBER OPTIC CABLE
UG	1(2") PVC W/ FIBER OPTIC CABLE
UG	1(4") HDPE W/ 3(1.25")PVC
AIR	FLEX INNERDUCT (INSIDE)
CAT5	AERIAL FIBER OPTIC CABLE
	CAT5 CABLE
	PROPOSED CONDUIT
	EXISTING CONDUIT
	1.25" EMT
	R/W
	EOP
	EDGE-OF-PAVEMENT
	FENCE
	RACK LOCATION
	PSLW SET POLE
	EXISTING SET POLE
	EXISTING UTILITY POLE
	PROPOSED PSLW VAULT (36"x24"x24")
	EXISTING VAULT
	PULLBOX
	MDF LOCATION

SCALE:	1" = 40'
PAGE:	2
OF:	7

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# 0616-842 PLW		
CUSTOMER:	Notice Of Proposed Utility Installation		
ADDRESS:	Clodine Rd		
CITY/ZIP:	Richmond, TX 77407		
COUNTY:	Fort Bend		
TENANTS:	# OF FLOORS:	DWG#:	RET MAP: 527 X
WO#:	90317	JOB#:	616-842
APPROVED BY:	DATE:	DRAWN BY:	P.E.
			DATE: 07/04/2017



Clodine Rd

PS Lightwave
Proposed Set Pole
#2

3779' to Denver Miller Rd

1003' to W Bellfort Ave

Existing Utility Pole

1' Min.

		CUSTOMER ID: JOB# 0616-842 PLW CUSTOMER: Notice of Proposed Utility Installation ADDRESS: Clodine Rd	
PROPRIETARY INFORMATION - PROPERTY OF PS LIGHTWAVE		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
SCALE: 1"=40' PAGE: 3 OF: 7	DATE: Rev#1 Date DATE: Rev#2 Date DATE: Rev#3 Date DATE: Rev#4 Date	# OF FLOORS: JOB#: 0616-842 APPROVED BY:	DWG#: DRAWN BY: P.E. DATE: 07/04/2017

PSLW SET POLE EXISTING SET POLE EXISTING UTILITY POLE PROPOSED PSLW VAULT (36"x24"x24") EXISTING VAULT PULLBOX MDF LOCATION	LEGEND PROPOSED CONDUIT EXISTING CONDUIT 1.25" EMT EMT R/W RIGHT-OF-WAY EDGE-OF-PAVEMENT EOP FENCE RACK LOCATION	3(1") PVC W/ FIBER OPTIC CABLE 3(1.25") PVC W/ FIBER OPTIC CABLE 1(2") PVC W/ FIBER OPTIC CABLE UG UG UG AIR CAT5
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PS Lightwave
Proposed Set Pole
#2

Existing Utility Pole

Clodine Rd

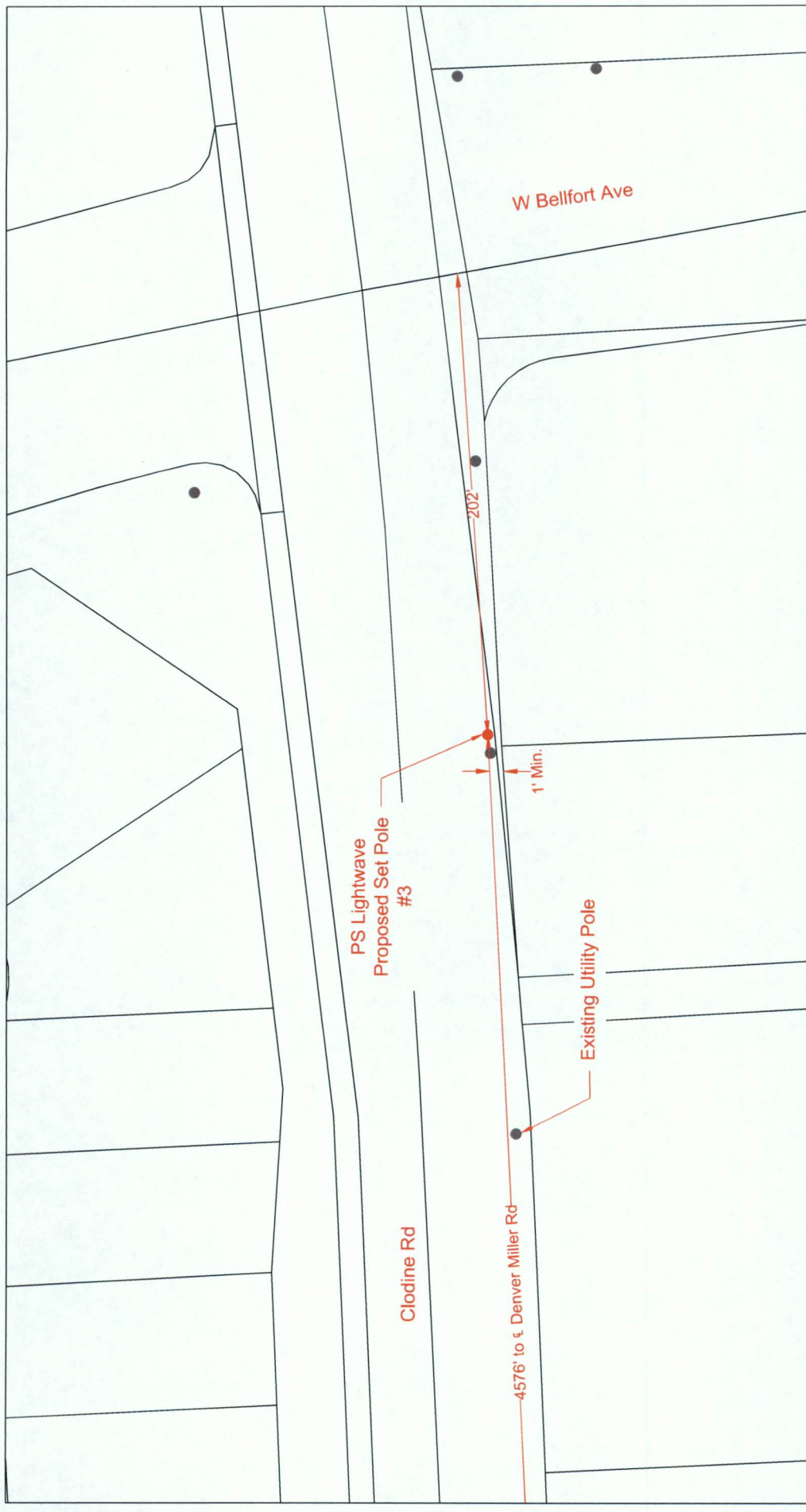
1003' to S. W. Bellfort Ave

3779' to S. Denver Miller Rd

1' Mile

		CUSTOMER ID: JOB# 0616-842 PLW	
PROPRIETARY INFORMATION - PROPERTY OF PSLIGHTWAVE		CUSTOMER: Notice Of Proposed Utility Installation	
ADDRESS: Clodine Rd		CITY/ZIP: Richmond, TX 77407	
COUNTY: Fort Bend		DWF#:	
REVISION#1: Rev1 DATE: Rev1 Date		# OF FLOORS:	
REVISION#2: Rev2 DATE: Rev2 Date		JOB#: 866-842	
REVISION#3: Rev3 DATE: Rev3 Date		WOF#: 90317	
REVISION#4: Rev4 DATE: Rev4 Date		DRAWN BY: P.E.	
SCALE: 1"=40'		DATE: 01/04/2017	
PAGE: 4		APPROVED BY:	
OF: 7		DATE:	

PSLW SET POLE	PROPOSED CONDUIT	PROPOSED FIBER OPTIC CABLE	3(1") PVC W/ FIBER OPTIC CABLE
EXISTING SET POLE	EXISTING CONDUIT	3(1.25") PVC W/ FIBER OPTIC CABLE	1(2") PVC W/ FIBER OPTIC CABLE
PROPOSED PSLW VAULT (36"x24"x24")	1.25" EMT	1(4") HDPE W/ 3(1.25")PVC	FLEX INNERDUCT (INSIDE)
EXISTING UTILITY POLE	RIGHT-OF-WAY	EDGE-OF-PAVEMENT	AERIAL FIBER OPTIC CABLE
EXISTING VAULT	EOP	FENCE	CAT5
PULLBOX	RACK LOCATION	MDF LOCATION	



LEGEND

- UG 3(1") PVC W/ FIBER OPTIC CABLE
- UG 3(1.25") PVC W/ FIBER OPTIC CABLE
- UG 1(2") PVC W/ FIBER OPTIC CABLE
- UG 1(4") HDPE W/ 3(1.25")PVC
- AIR FLEX INNERDUCT (INSIDE)
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- CAT5 CAT5 CABLE
- PROPOSED CONDUIT
- EXISTING CONDUIT
- EMT 1.25" EMT
- R/W R/W
- EDGE-OF-PAVEMENT
- FENCE
- RACK LOCATION
- PSLW SET POLE
- EXISTING SET POLE
- EXISTING UTILITY POLE
- PROPOSED PSLW VAULT (36"x24"x24")
- EXISTING VAULT
- PULLBOX
- MDF LOCATION

CUSTOMER ID: JOB# 0616-842 PLW
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ADDRESS: Clodine Rd
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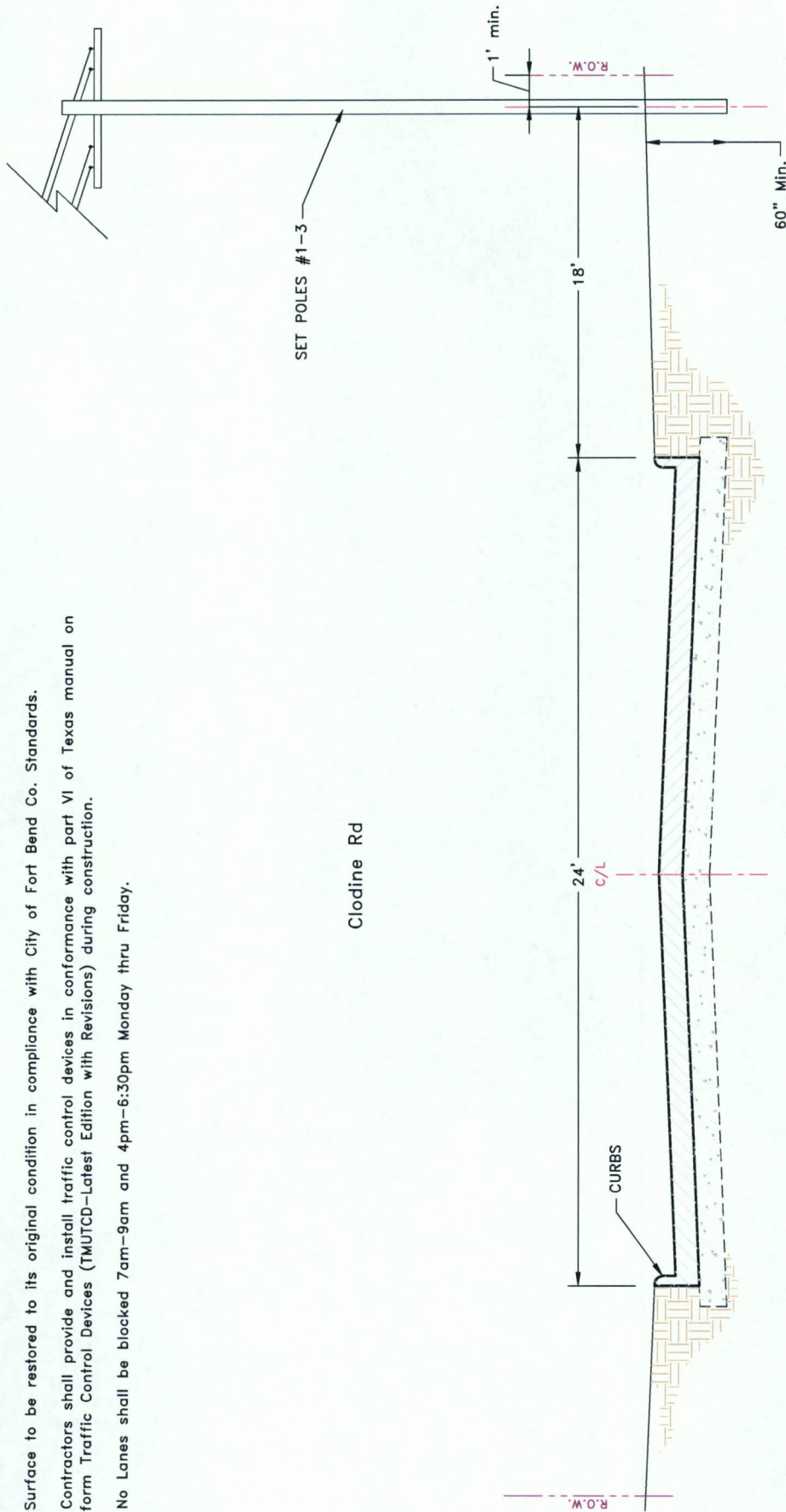
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 PAGE: 5
 OF: 7



		CUSTOMER ID: JOB# 0616-842 PLW CUSTOMER: Notice Of Proposed Utility Installation ADDRESS: Clodine Rd CITY/ZIP: Richmond, TX 77407 COUNTY: Fort Bend	
PROPRIETARY INFORMATION - PROPERTY OF PS LIGHTWAVE		DATE: Ref#1 Date DATE: Ref#2 Date DATE: Ref#3 Date DATE: Ref#4 Date	
REVISION#1: Ref#1 REVISION#2: Ref#2 REVISION#3: Ref#3 REVISION#4: Ref#4		TELEPHONE: 90317 JOB#: 0616-842 APPROVED BY: DATE:	
SCALE: 1"=40' PAGE: 6 OF: 7		PSLW SET POLE <input checked="" type="checkbox"/> PSLW SET POLE <input type="checkbox"/> EXISTING SET POLE <input type="checkbox"/> EXISTING UTILITY POLE <input type="checkbox"/> PROPOSED PSLW VAULT (36"x24"x24") <input type="checkbox"/> EXISTING VAULT <input type="checkbox"/> PULLBOX <input checked="" type="checkbox"/> MDF LOCATION	
LEGEND		PROPOSED CONDUIT <input type="checkbox"/> PROPOSED CONDUIT <input type="checkbox"/> EXISTING CONDUIT <input type="checkbox"/> 1.25" EMT <input type="checkbox"/> R/W <input type="checkbox"/> RIGHT-OF-WAY <input type="checkbox"/> EDGE-OF-PAVEMENT <input type="checkbox"/> FENCE <input type="checkbox"/> RACK LOCATION	
<input type="checkbox"/> 3(1") PVC W/ FIBER OPTIC CABLE <input type="checkbox"/> 3(1.25") PVC W/ FIBER OPTIC CABLE <input type="checkbox"/> 1(2") PVC W/ FIBER OPTIC CABLE <input type="checkbox"/> 1(4") HDPE W/ 3(1.25")PVC <input type="checkbox"/> FLEX INNERDUCT (INSIDE) <input type="checkbox"/> AERIAL FIBER OPTIC CABLE <input type="checkbox"/> CAT5 CABLE		<input type="checkbox"/> PROPOSED CONDUIT <input type="checkbox"/> EXISTING CONDUIT <input type="checkbox"/> 1.25" EMT <input type="checkbox"/> R/W <input type="checkbox"/> RIGHT-OF-WAY <input type="checkbox"/> EDGE-OF-PAVEMENT <input type="checkbox"/> FENCE <input type="checkbox"/> RACK LOCATION	

General Notes:

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

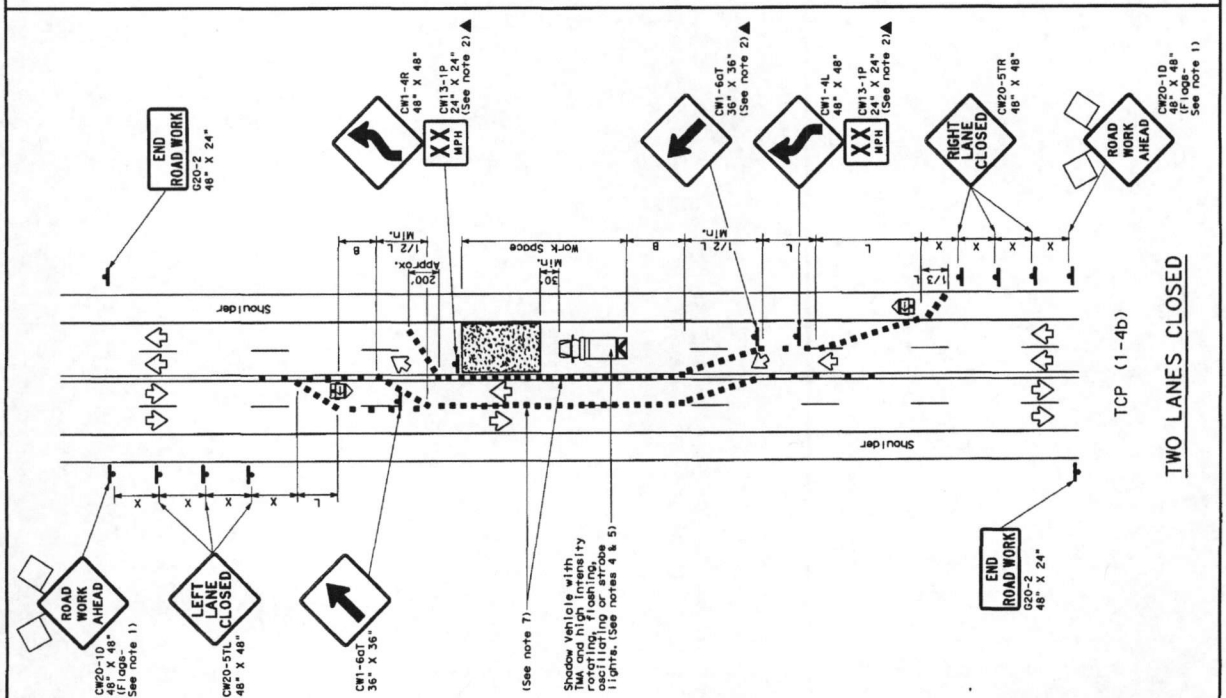
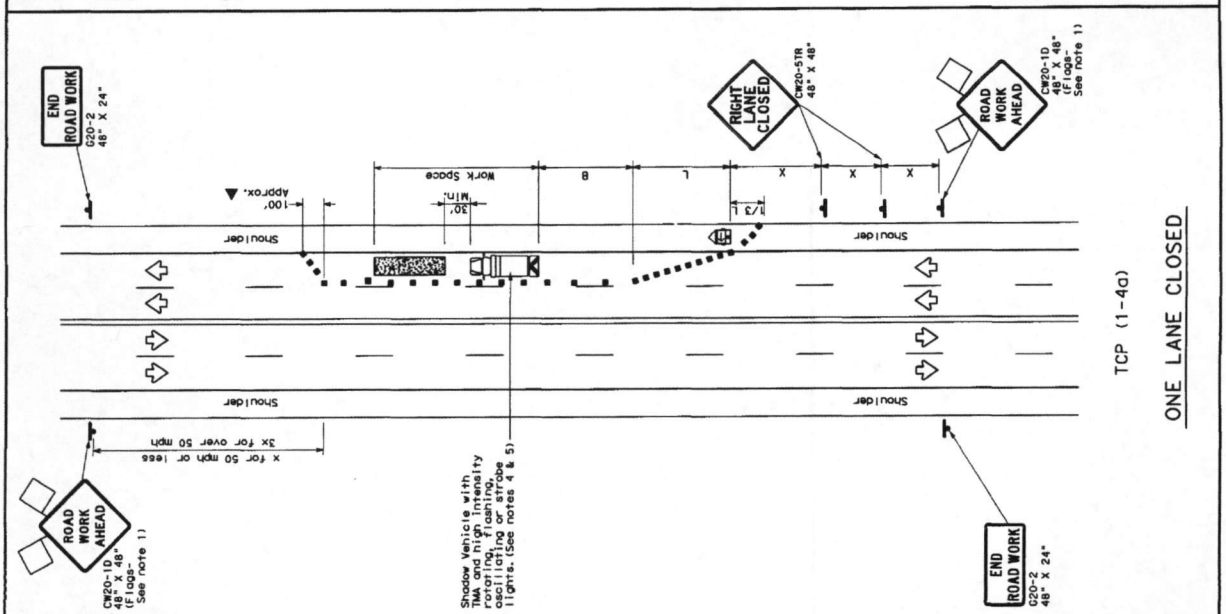


Clodine Rd

		Job # 0616-842 PLW Description: Notice Of Proposed Utility Installation ADDRESS: Clodine Rd CITY/ZIP: Richmond, TX 77407 COUNTY: Fort Bend Co. TENANTS: # OF FLOORS: DWG#: WORK# 90317 JOB# 0616-842 DRAWN BY: PE DATE: 01/04/2017 APPROVED BY: DATE:
SCALE: N.I.S. PAGE: 7 OF: 7	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
LEGEND		
3(1") PVC W/ FIBER OPTIC CABLE 3(1.25") PVC W/ FIBER OPTIC CABLE 1(2") PVC W/ FIBER OPTIC CABLE 1(4") HDPE W/ 3(1.25")PVC FLEX INNERDUCT (INSIDE) AIR CAT5	PROPOSED CONDUIT EXISTING CONDUIT 1.25" EMT R/W RIGHT-OF-WAY EDGE-OF-PAVEMENT FENCE RACK LOCATION	PSLW SET POLE EXISTING SET POLE EXISTING UTILITY POLE PROPOSED PSLW VAULT (36"x24"x24") EXISTING VAULT PULLBOX MDF LOCATION

DISCLAIMER: The use of this standard is governed by the Texas Engineering Practice Act. No warranty of any kind is made by TBOPT for any purpose whatsoever. TBOPT assumes no responsibility for the consequences of any application of this standard to other formats or for incorrect results or damages resulting from its use.

DATE: FILE:



LEGEND

Symbol	Description
	Type 3 Barricade
	Truck Mounted Attenuator (TMA)
	Portable Changeable Message Sign (PCMS)
	Flashing Arrow Board
	Sign
	Flag

Posted Speed	Formula	Minimum Desirable Taper Lengths	Suggested Max. Rate of Change of Spacing of Devices	Minimum Spacing of Devices	Suggested Longitudinal Spacing
30	$L = WS$	10', 15', 20'	10' to 12'	30'	90'
35	$L = WS$	150', 225', 245'	35'	70'	120'
40	$L = WS$	265', 295', 320', 40'	40'	80'	155'
45	$L = WS$	450', 495', 540', 45'	45'	90'	195'
50	$L = WS$	500', 550', 600', 50'	50'	100'	240'
55	$L = WS$	550', 605', 660', 55'	55'	110'	295'
60	$L = WS$	600', 660', 720', 60'	60'	120'	350'
65	$L = WS$	650', 715', 780', 65'	65'	130'	410'
70	$L = WS$	700', 770', 840', 70'	70'	140'	475'
75	$L = WS$	750', 825', 900', 75'	75'	150'	540'

* Conventional Roads Only
 ** Taper lengths have been rounded off.
 * L=Length of Taper (FT) #=Width of Offset (FT) S=Posted Speed (MPH)

TYPICAL USAGE

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

GENERAL NOTES

- Flare attached to signs where shown are REQUIRED.
- All traffic control devices illustrated are REQUIRED, except those denoted as optional. The use of optional devices is at the discretion of the Engineer.
- The CW20-10 "ROAD WORK AHEAD" sign may be repeated if the visibility of the work zone is less than 1500 feet.
- Shadow vehicle with a flag should be used anytime it can be positioned in the work zone.
- Signs for the Slow Vehicle and High Visibility Taper may be substituted for the Shadow Vehicle and High Visibility Taper. Signs may be substituted for the Shadow Vehicle and High Visibility Taper to protect wider work spaces.

TCP (1-4b) is used for a left lane closure. "LEFT LANE CLOSED" signs should 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 taper.

TCP (1-4a)

- When traffic is directed over a yellow centerline, channelizing devices which separate two-way traffic should be spaced on tapers at 20' or 15' where S is the speed in mph. This tighter device spacing is intended for the areas of conflicting markings, not the entire work zone.

TRAFFIC CONTROL PLAN
LANE CLOSURES ON MULTILANE CONVENTIONAL ROADS

TCP (1-4) - 12

PROJECT NO.	1-12	DATE	12/15/11
DESIGNER	1-95	CHECKED	1-97
DRAWN	1-97	DATE	1-97
SHEET NO.	154		

For contract or maintenance contract work, specific project information for shadow vehicles can be found in GENERAL NOTES for Item 502, Bore-Closures, Signs Handling.