

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: 2017-11520

Applicant: PS Light Wave, Inc

Job Location Site: Beechnut Street & Harlem 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
for County Engineer

By: N/A
Drainage District Engineer/Manager

Presented to Commissioners Court and approved.
Date Recorded 2-14-17 Comm. Court No. 15W

Clerk of Commissioners Court
By: Arinda Wilks
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
Permits@fortbendcountytx.gov

- Right of Way Permit
 Commercial Driveway Permit

Permit No: 2017-11520

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: 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

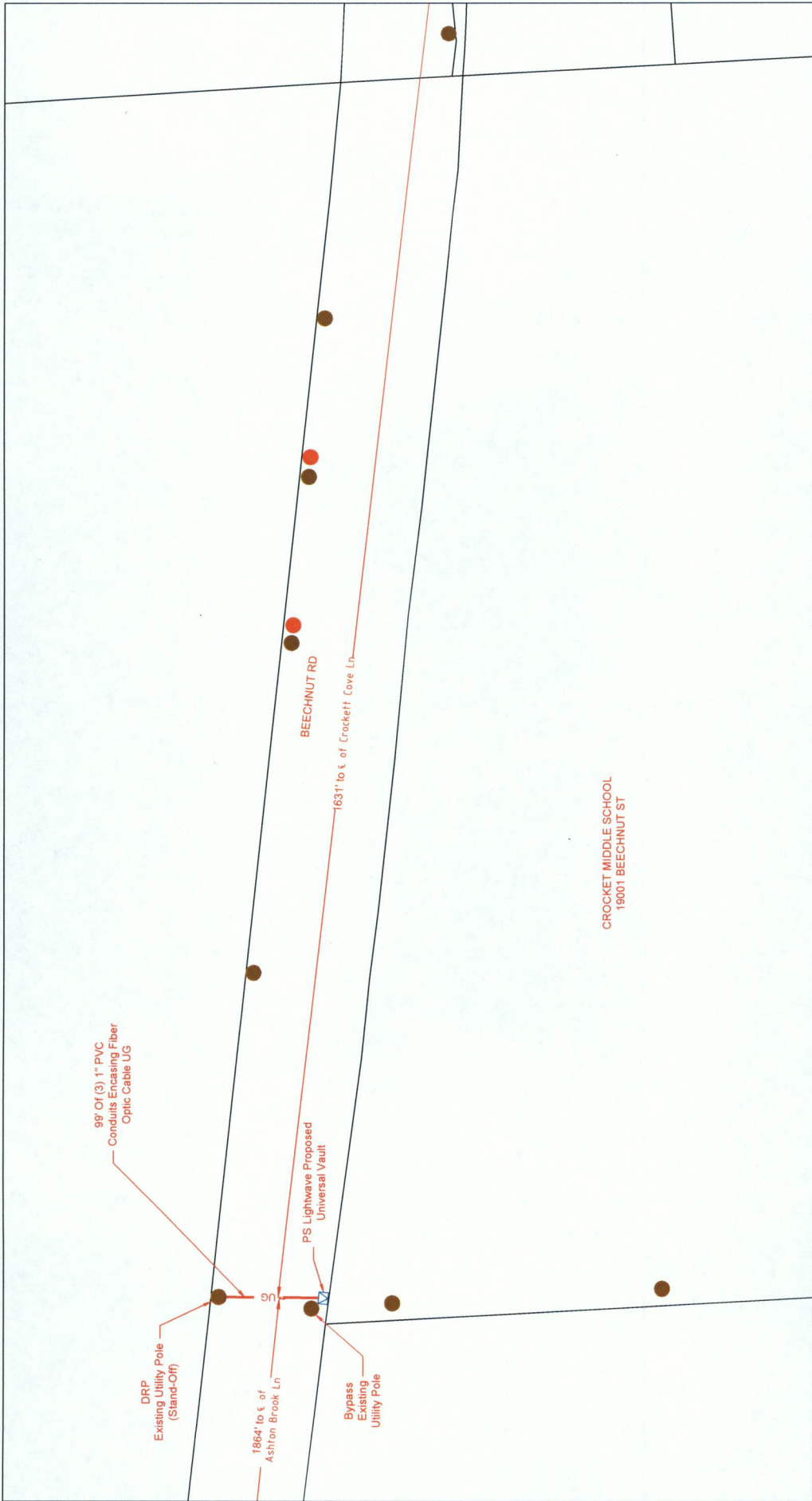
We have reviewed this project and agree it meets minimum requirements.

Charly O. AJ

Permit Administrator

1/31/17

Date



LEGEND

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

Lightwave
PROPRIETARY INFORMATION - PROPERTY OF PSLIGHTWAVE

REVISION#1: Rev#1	DATE: Rev#1 Date	CITY/ZIP: Richmond, TX 77407	COUNTY: Fort Bend
REVISION#2: Rev#2	DATE: Rev#2 Date	TENANTS: WOF# 0616-672 PLW	DWG#
REVISION#3: Rev#3	DATE: Rev#3 Date	WOF# 85163	# OF FLOORS:
REVISION#4: Rev#4	DATE: Rev#4 Date	JOB# 0616-672 PLW	DRAWN BY: GC
		APPROVED BY:	DATE: 12/20/16

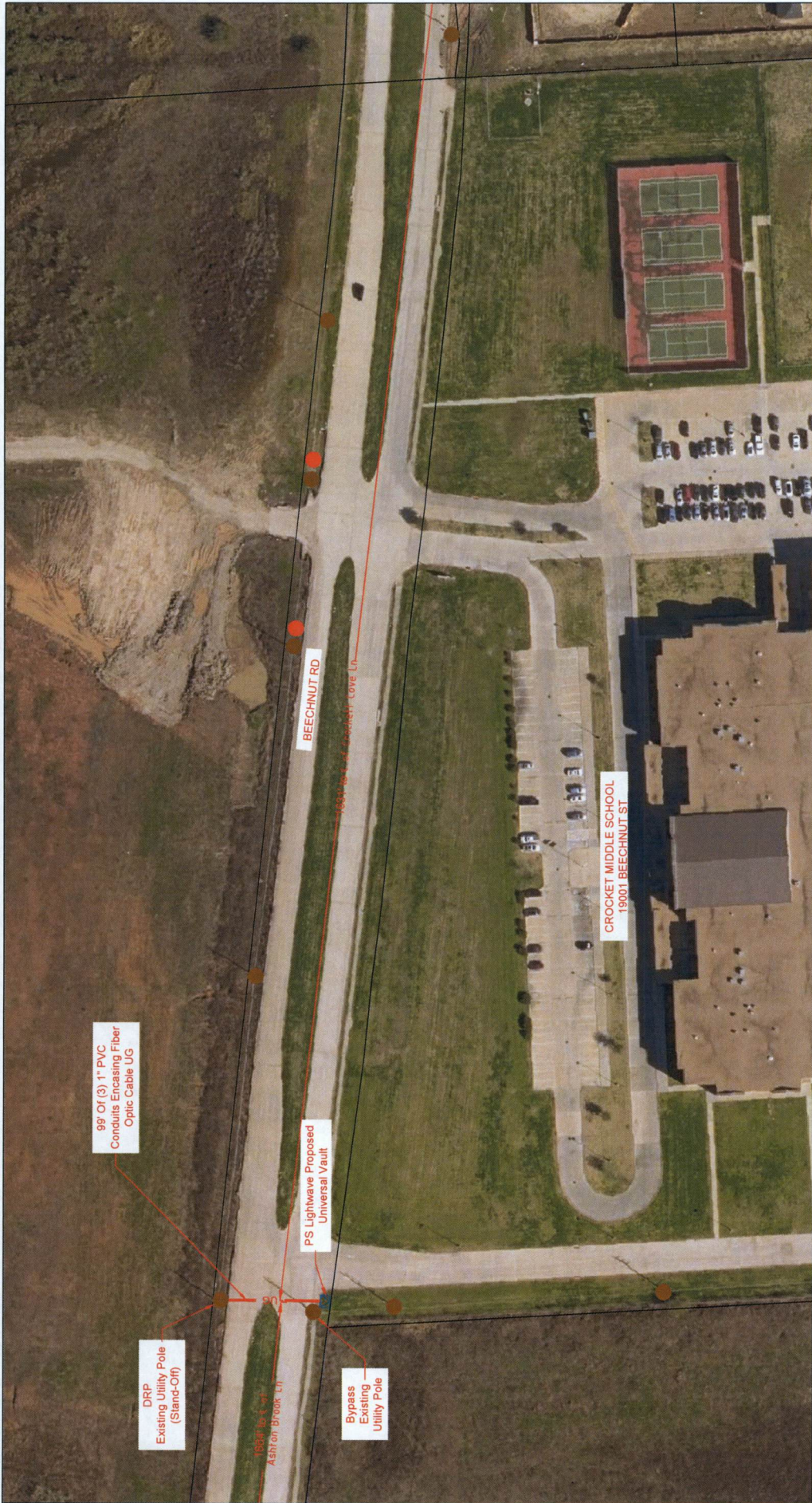
CUSTOMER ID: JOB# 0616-672

CUSTOMER: Notice of Proposed Utility Installation

ADDRESS: Beechnut Rd

SCALE: 1"=80'

PAGE: 1 OF 9



LEGEND

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

PROPRIETARY INFORMATION - PROPERTY OF PS LIGHTWAVE

SCALE: 1"=90'

PAGE: 2

OF: 9

CUSTOMER ID: JOB# 0616-672

CUSTOMER: Notice of Proposed Utility Installation

ADDRESS: Beechnut Rd

CITY/ZIP: Richmond, TX 77407

COUNTY: Fort Bend

TENANTS: # OF FLOORS: DWG#:

WOF: 85163

JOB#: 0616-672 R/W

KEY MAP: 526 P.0

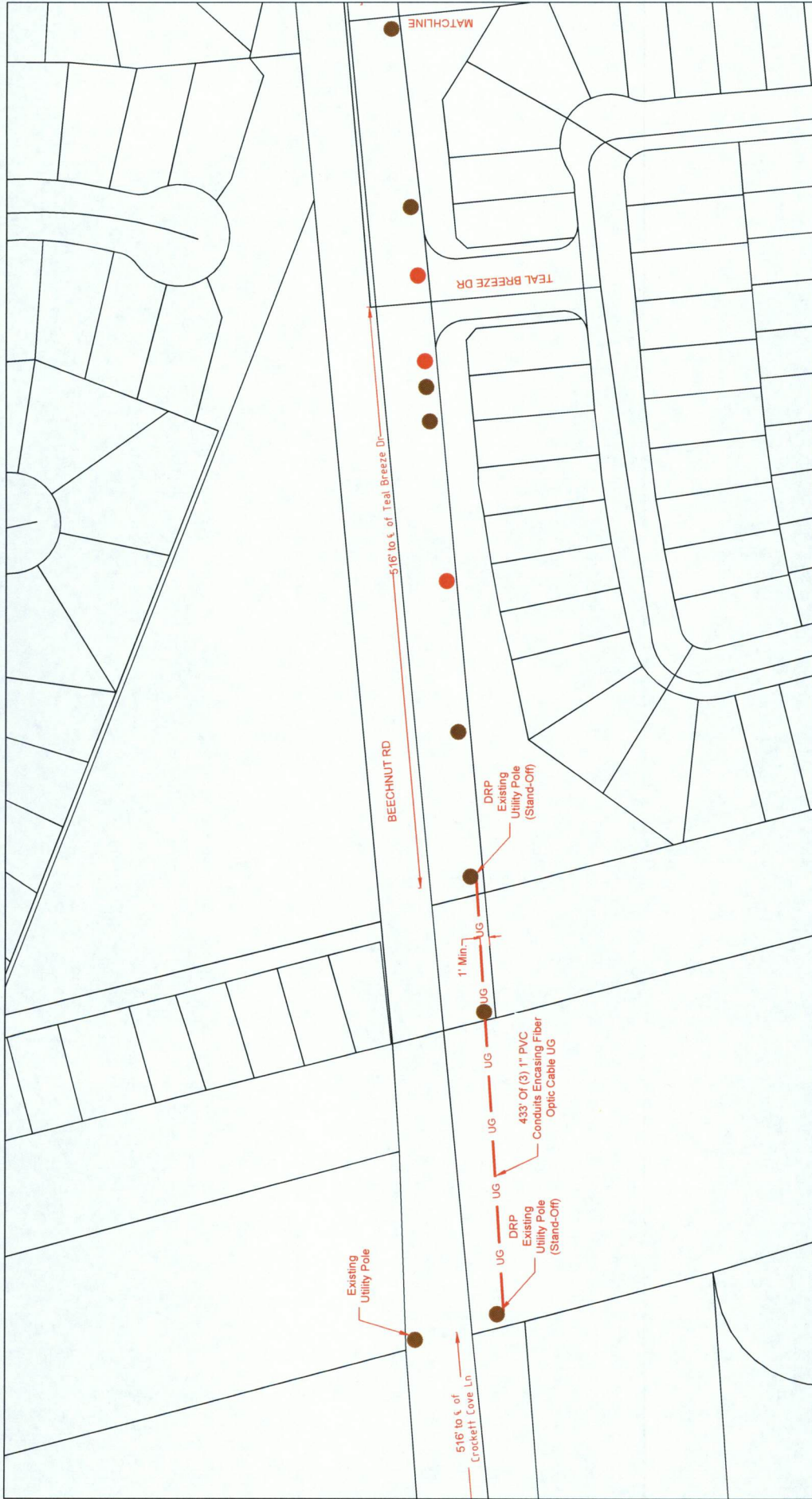
APPROVED BY: DATE:

REVISION#1: Ref#1 DATE: Ref#1 Date

REVISION#2: Ref#2 DATE: Ref#2 Date

REVISION#3: Ref#3 DATE: Ref#3 Date

REVISION#4: Ref#4 DATE: Ref#4 Date



LEGEND

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

LightWave
PROPRIETARY INFORMATION - PROPERTY OF LIGHTWAVE

CUSTOMER ID: JOB# 0616-672
 CUSTOMER: Notice of Proposed Utility Installation
 ADDRESS: Beechnut Rd

REVISION#1: Rev#1	DATE: Rev#1 Date	CITY/ZIP: Richmond, TX 77407	TENANTS: # OF FLOORS:	DWG#:	COUNTY: Fort Bend
REVISION#2: Rev#2	DATE: Rev#2 Date	WO# 85163	JOB# 1016-672 PJM	DRAWN BY: CG	REV MAP: 526 P.0
REVISION#3: Rev#3	DATE: Rev#3 Date	APPROVED BY:	DATE: Rev#4 Date	DATE: 12/20/16	

SCALE: 1"=30'
 PAGE: 3 OF 9



LEGEND

UG	3(1") HDPE W/ FIBER OPTIC CABLE	PROPOSED CONDUIT	PSLW SET POLE
UG	3(1.25") HDPE W/ FIBER OPTIC CABLE	EXISTING CONDUIT	PSLW EXISTING POLE
UG	1(2") HDPE W/ FIBER OPTIC CABLE	EMT	EXISTING UTILITY POLE
UG	1(4") HDPE W/ 3(1.25") HDPE	R/W	PROPOSED PSLW VAULT (24" x 36" x 24")
AIR	FLEX INNERDUCT (INSIDE)	EDGE-OF-PAVEMENT	EXISTING VAULT
CATS	AERIAL FIBER OPTIC CABLE	FENCE	PULLBOX
	CATS CABLE	RACK LOCATION	MDF LOCATION

Lightwave
PROPRIETARY INFORMATION - PROPERTY OF PSLIGHTWAVE

SCALE: 1"=50'
PAGE: 4 OF: 9

CUSTOMER ID: JOB# 0616-672

CUSTOMER: Notice of Proposed Utility Installation

ADDRESS: Beechnut Rd

CITY/ZIP: Richmond, TX 77407

COUNTY: Fort Bend

TENANTS: # OF FLOORS: DWF#

WOF: 85163 JOB#: 0616-672 P.W. DRAWN BY: GC KEY MAP: 526 P.O

APPROVED BY: DATE: DATE: 12/20/16



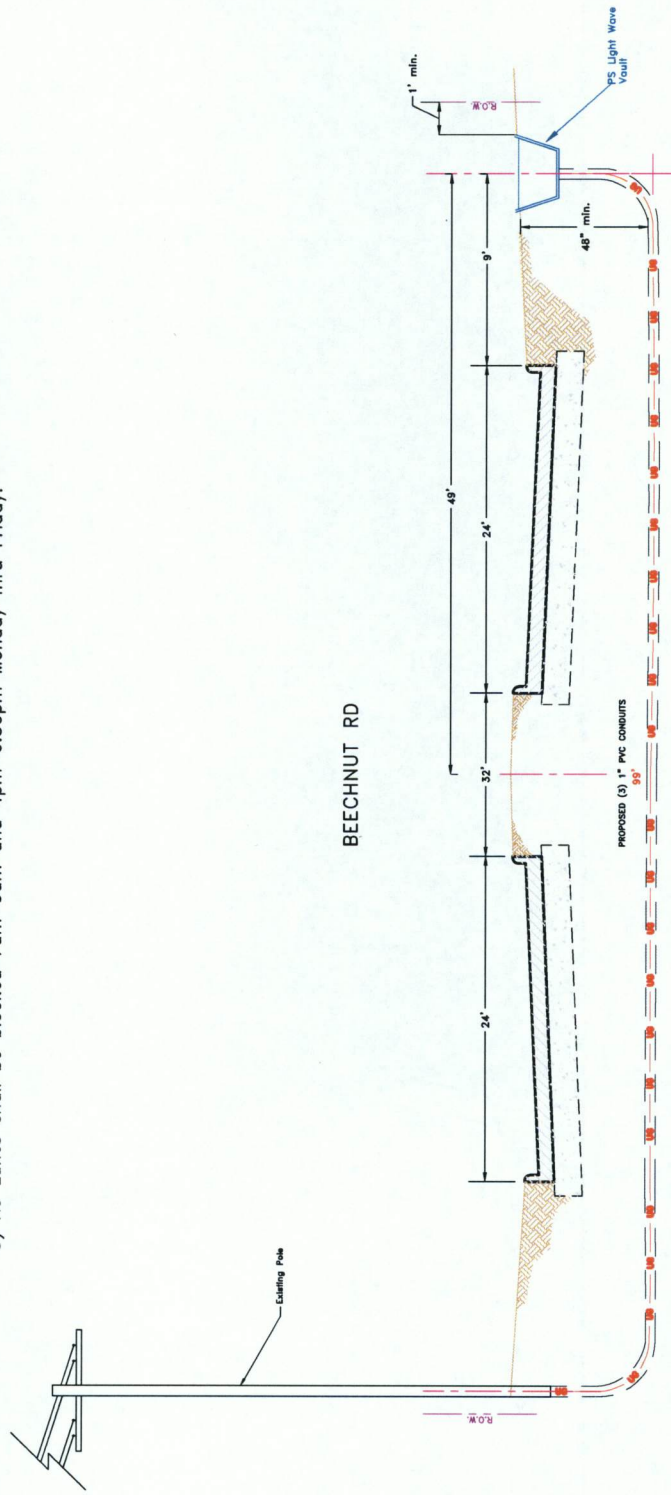
LEGEND	
UG	3(1") HDPE W/ FIBER OPTIC CABLE
UG	3(1.25") HDPE W/ FIBER OPTIC CABLE
UG	1(2") HDPE W/ FIBER OPTIC CABLE
UG	1(4") HDPE W/ 3(1.25") HDPE
UG	FLEX INNERDUCT (INSIDE)
AIR	AERIAL FIBER OPTIC CABLE
CATS	CATS CABLE
---	PROPOSED CONDUIT
---	EXISTING CONDUIT
---	EMT 1.25" EMT
R/W	RIGHT-OF-WAY
EQP	EDGE-OF-PAVEMENT
---	FENCE
---	RACK LOCATION
●	PSLW SET POLE
●	PSLW EXISTING POLE
●	EXISTING UTILITY POLE
□	PROPOSED PSLW VAULT (24"x36"x24")
□	EXISTING VAULT
□	PULLBOX
★	MDF LOCATION

SCALE: 1"=50'	DATE: Rev#1 Date	DATE: Rev#2 Date	DATE: Rev#3 Date	DATE: Rev#4 Date
PAGE: 6	REVISION#1: Rev#1	REVISION#2: Rev#2	REVISION#3: Rev#3	REVISION#4: Rev#4
OF: 9				

CUSTOMER ID:	JOB# 0616-672			
CUSTOMER:	Notice of Proposed Utility Installation			
ADDRESS:	Beechnut Rd			
CITY/ZIP:	Richmond, TX 77407			
COUNTY:	Fort Bend			
TENANTS:	# OF FLOORS:	DWG#:	KEY MAP:	528 P.Q
WOF:	0616-672 PLW	DATE:	12/20/16	
APPROVED BY:		DATE:		

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.

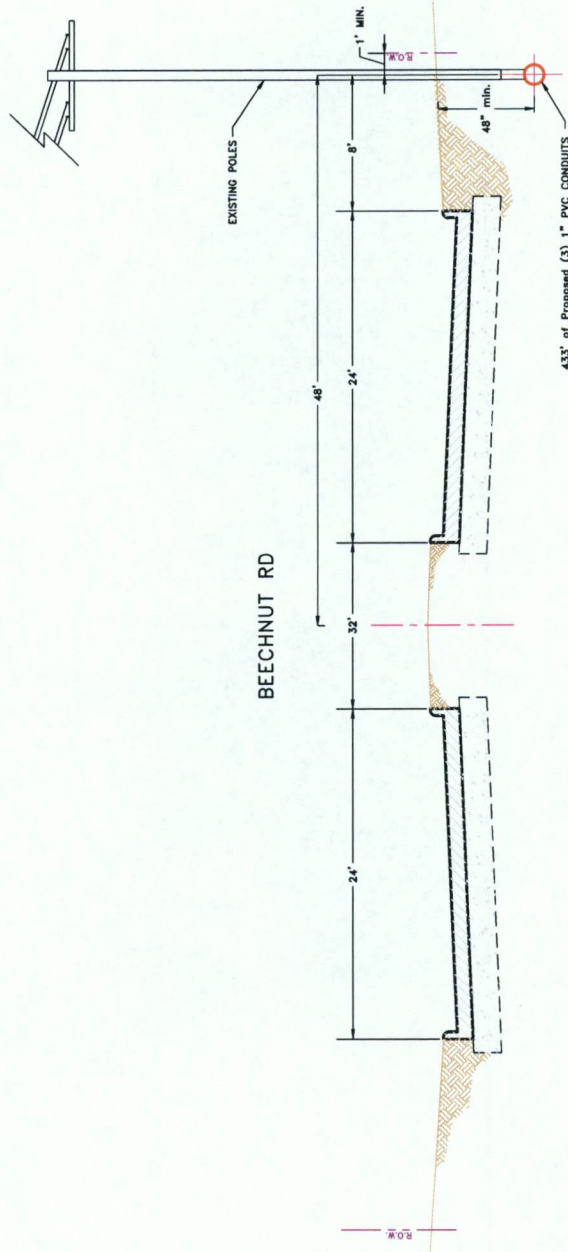


		Job# 0616-672 PLW Description: Notice Of Proposed Utility Installation Address: Beechnut Rd	
REVISION#1: Rev#1 DATE: Rev#1 Date	REVISION#2: Rev#2 DATE: Rev#2 Date	REVISION#3: Rev#3 DATE: Rev#3 Date	REVISION#4: Rev#4 DATE: Rev#4 Date
SCALE: N.T.S. PAGE: 7 OF: 9	COUNTY: Fort Bend CITY/ZIP: Richmond, TX 77407 TENANTS: # OF FLOORS: DWG#: WOF# 88163 JOB# 0616-672 DRAWN BY: GS DATE: 12/20/16		

3(1") HDPE W/ FIBER OPTIC CABLE 3(1.25") HDPE W/ FIBER OPTIC CABLE 1(2") HDPE W/ FIBER OPTIC CABLE 1(4") HDPE W/ 3(1.25")HDPE FLEX INNERDUCT (INSIDE) AERIAL FIBER OPTIC CABLE CAT5 CABLE	PROPOSED CONDUIT EXISTING CONDUIT EMT R/W EOP EDGE-OF-PAVEMENT FENCE RACK LOCATION	PSLW SET POLE PSLW EXISTING POLE EXISTING UTILITY POLE PROPOSED PSLW VAULT (24"x36"x24") EXISTING VAULT PULLBOX MDF LOCATION
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General Notes:

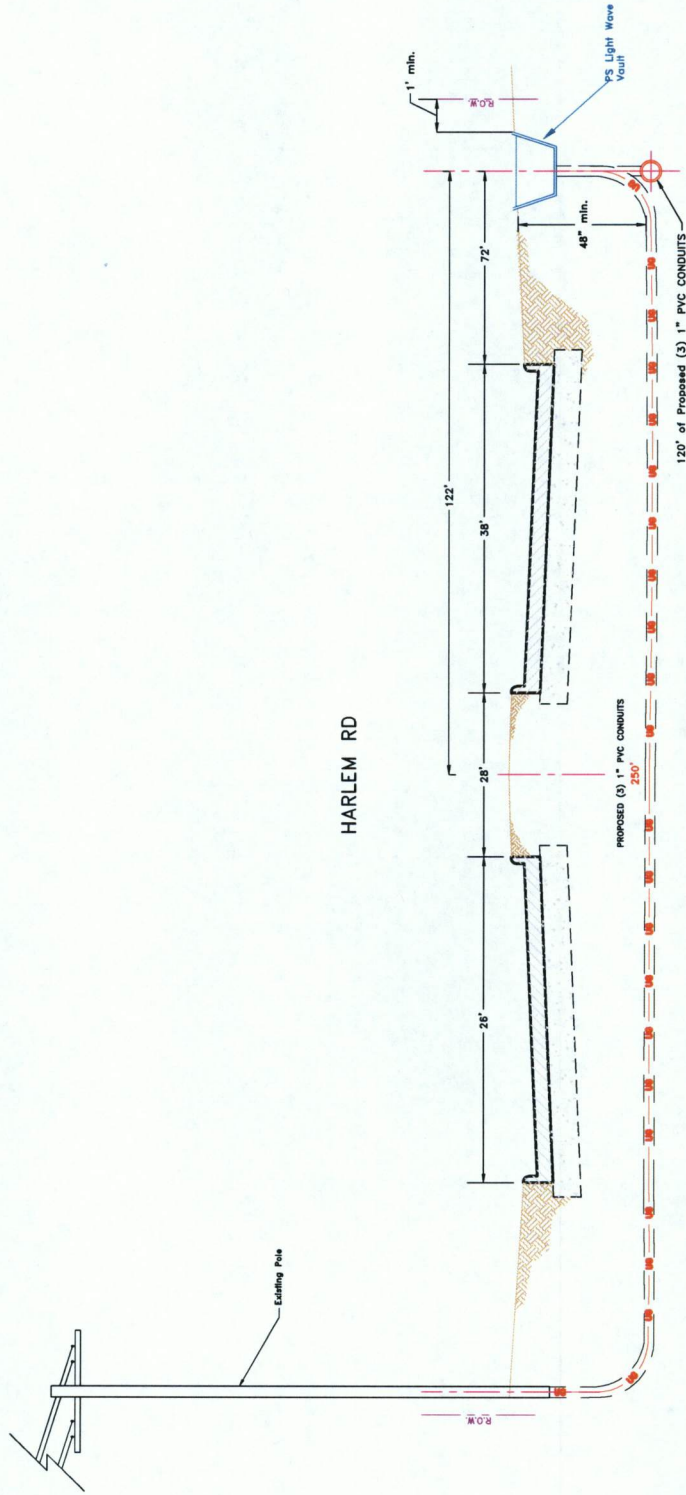
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		Job # 0616-672 PLW Description: Notice Of Proposed Utility Installation ADDRESS: Beechnut Rd CITY/ZIP: Richmond, TX 77407 COUNTY: Fort Bend	
SCALE: N.T.S. PAGE: 8 OF: 9	REVISION#1: Rev#1 REVISION#2: Rev#2 REVISION#3: Rev#3 REVISION#4: Rev#4	DATE: Rev#1 Date DATE: Rev#2 Date DATE: Rev#3 Date DATE: Rev#4 Date	# OF FLOORS: DWG#: JOB#: 0616-672 DRAWN BY: GC DATE: 12/20/16
LEGEND		PSLW SET POLE PSLW EXISTING POLE EXISTING UTILITY POLE PROPOSED PSLW VAULT (24"x36"x24") EXISTING VAULT PULLBOX MDF LOCATION	
3(1") HDPE W/ FIBER OPTIC CABLE 3(1.25") HDPE W/ FIBER OPTIC CABLE 1(2") HDPE W/ FIBER OPTIC CABLE 1(4") HDPE W/ 3(0.25")HDPE FLEX INNERDUCT (INSIDE) AERIAL FIBER OPTIC CABLE CAT5 CABLE		PROPOSED CONDUIT EXISTING CONDUIT 1.25" EMT R/W EOP RIGHT-OF-WAY EDGE-OF-PAVEMENT FENCE RACK LOCATION	

General Notes:

- 1) Surface to be restored to its original condition in compliance with Fort Bend County Standards.
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Job# 0616-672 PLW

Description: Notice Of Proposed Utility Installation

Address: Bechnut Rd

City/Zip: Richmond, TX 77407

County: Fort Bend

Revisions:

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

Scale: N.I.S

Page: 9

Of: 9

Job# 0616-672 PLW

Description: Notice Of Proposed Utility Installation

Address: Bechnut Rd

City/Zip: Richmond, TX 77407

County: Fort Bend

Revisions:

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

Scale: N.I.S

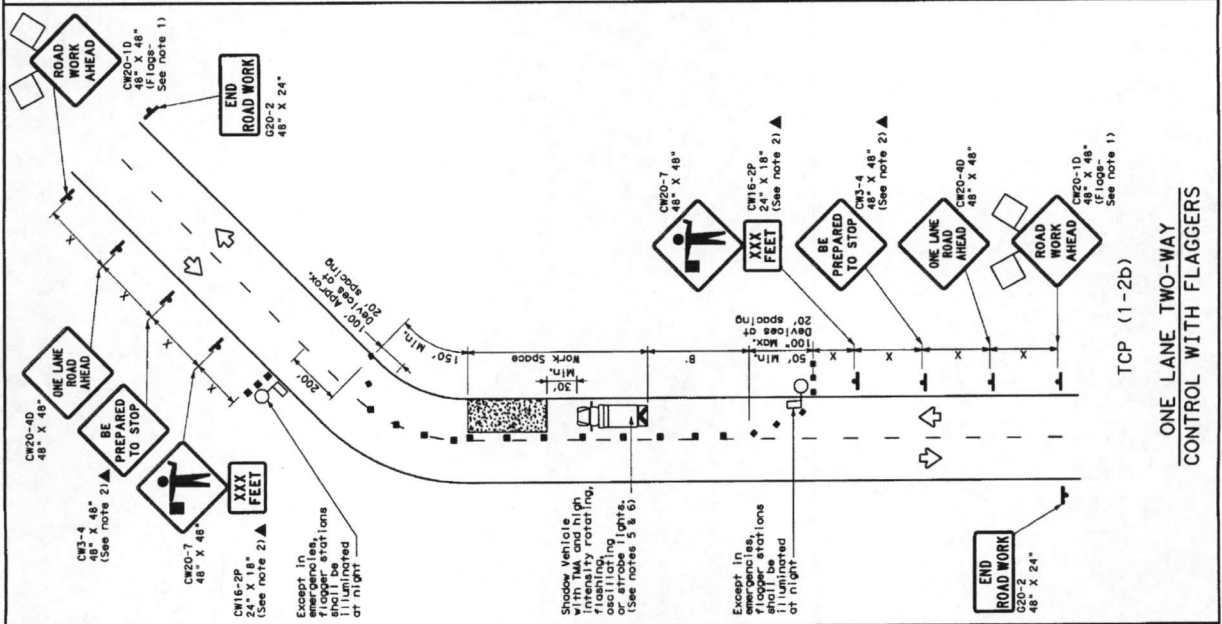
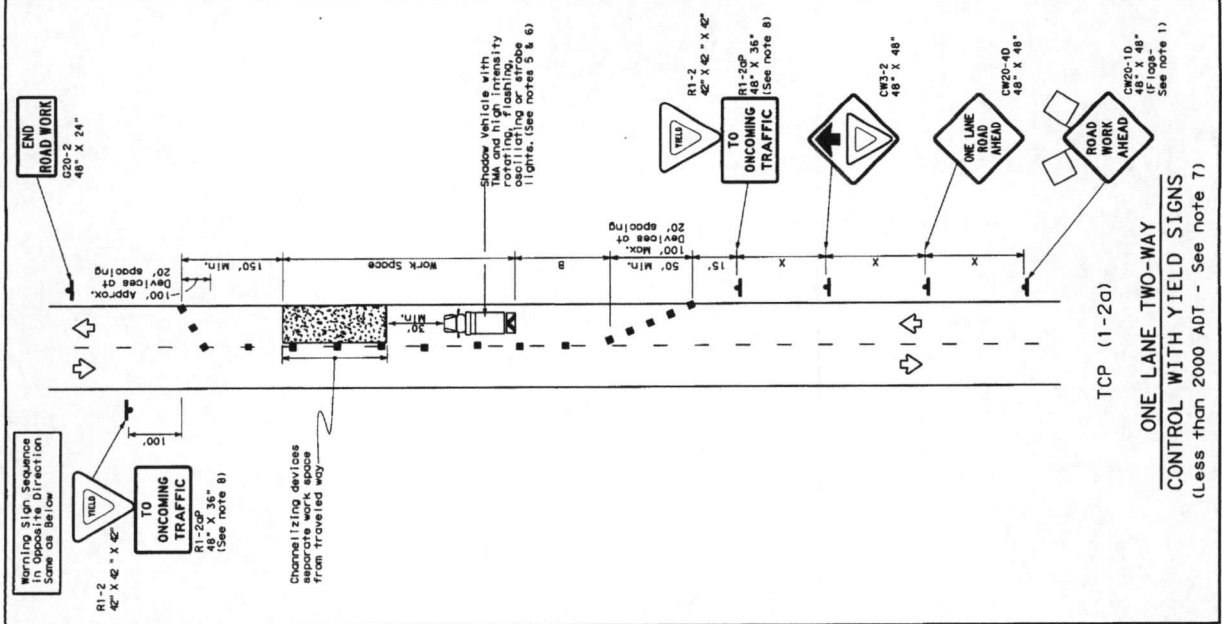
Page: 9

Of: 9

LEGEND

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

DISCLAIMER: The use of this standard is governed by the "Acceptance Procedures" for 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.



LEGEND

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

Posted Speed *	Formula	Minimum Topographic Spacing (ft)	Minimum Spacing (ft)	Suggested Maximum Spacing of Channelizing Devices (ft)	Minimum Sign Spacing (ft)	Suggested Maximum Spacing of Channelizing Devices (ft)
30	15W ²	10'	10'	10'	120'	90'
35	15W ²	15'	15'	15'	120'	90'
40	15W ²	20'	20'	20'	120'	90'
45	15W ²	25'	25'	25'	120'	90'
50	15W ²	30'	30'	30'	120'	90'
55	15W ²	35'	35'	35'	120'	90'
60	15W ²	40'	40'	40'	120'	90'
65	15W ²	45'	45'	45'	120'	90'
70	15W ²	50'	50'	50'	120'	90'
75	15W ²	55'	55'	55'	120'	90'

* Conventional Roads Only rounded off.
 ** L=Length of Lane (ft) W=Width of Offset (ft) S=Posted Speed (mph)

TYPICAL USAGE

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

GENERAL NOTES

- Flage attached to signs where shown are REQUIRED, except those denoted with the "X".
- All traffic control devices illustrated are REQUIRED, except those denoted with the "X".
- The CW2-4 "BE PREPARED TO STOP" sign may be installed after the CW20-4D "ONE LANE ROAD AHEAD" sign, but proper sign spacing shall be maintained.
- Sign spacing may be increased or an additional CW20-2P "YIELD TO ONCOMING TRAFFIC" sign may be installed in advance of the area of crew exposure without adversely affecting the performance or quality of the work. If workers are no longer present but road or work conditions require the presence of a flagger, the CW20-7 sign and the CW20-4D sign shall be installed for the Shadow Vehicle and TMA.
- Additional Shadow Vehicles with TMA may be positioned off the paved surface, next to those shown in order to protect wider work spaces.

TCP (1-2a)

- 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 one city block.
- R1-2 "YIELD" sign with R1-2P "TO ONCOMING TRAFFIC" plaque 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.
- 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.
- Channelizing devices on the center-line may be omitted when a pilot car is leading traffic and approved by the Engineer.
- Flaggers should use 24" STOP/SLOW paddles to control traffic. Flage should be limited to emergency situations.

Texas Department of Transportation
Traffic Operations Division

TRAFFIC CONTROL PLAN
ONE-LANE TWO-WAY
TRAFFIC CONTROL

TCP (1-2)-12

DATE	12/07	REVISION	1-12
DESIGNED BY	4-90	CHECKED BY	1-37
DRAWN BY	4-98	APPROVED BY	4-98

152

