



**REVIEW BY FORT BEND COUNTY  
COMMISSIONERS COURT**

12G  
**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: 2018-23208

**Applicant:** AT&T Texas/Black & Veatch

**Job Location Site:** 10903 Starling Creek Drive, Richmond, TX 77406

**Bond No.**                      **Date of Bond:** 11/28/2017 **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.
4. This permit applies to work performed within right-of-ways owned and maintained by Fort Bend County only, and it is the responsibility of the applicant to acquire all other necessary permits.

On this 6th day of November, 2018, 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: Sean Eglinton

County Engineer

N/A

By:                     

Drainage District Engineer/Manager

Presented to Commissioners Court and approved.

Date Recorded 11-9-2018 Comm. Court No. 12G

Clerk of Commissioners Court

By: Ronda Wilkins

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@fortbendcountytexas.gov

- ☒ Right of Way Permit  
☐ Commercial Driveway Permit

Permit No: 2018-23208

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: XXXXXXXXXX      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.**

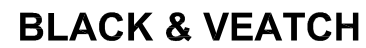
  
\_\_\_\_\_  
Permit Administrator

10/29/2018

\_\_\_\_\_  
Date



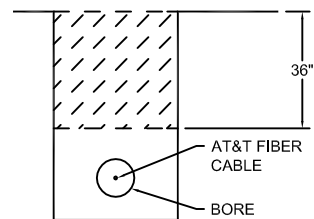




DESIGN ENGINEER CONTACT:  
JALEN GOLPHIN  
BLACK & VEATCH  
(469) 513-3245  
GOLPHINJ@BV.COM

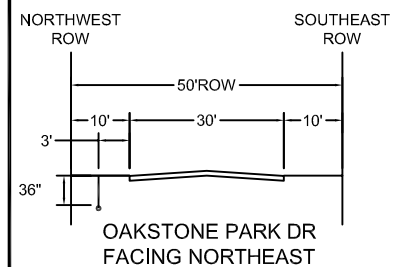
FORT BEND COUNTY  
PERMIT TBD  
SHOWN ON PRINT 19

DESIGN SUMMARY:  
-BORE AND PLACE FIBER



### BORE DETAIL

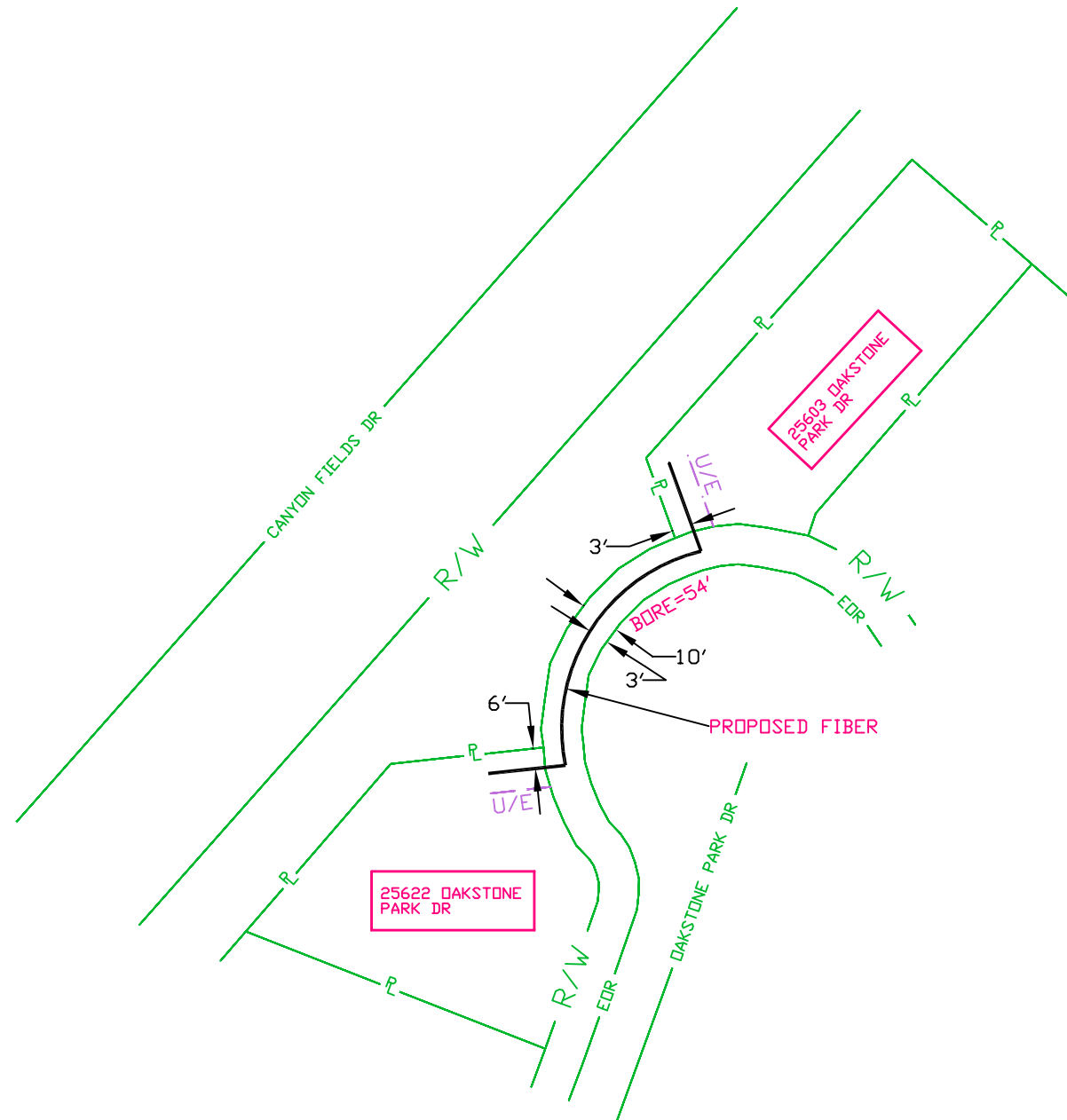
NTS



### TYPICAL CROSS-SECTION

NTS

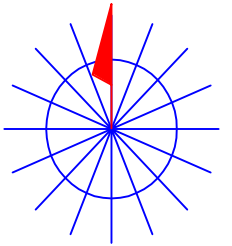
# FORT BEND COUNTY NOTIFICATION



APPROXIMATE LOCATION MAP

WORK DONE IN FORT BEND  
COUNTY RIGHT OF WAY - PRINT  
FOR INFORMATIONAL PURPOSES  
ONLY

SPECIAL CIRCUITS	N
6203 FORWARDED	N
PERMIT REQUIRED	Y



NORTH ARROW

### OPERATING RANGE OF JOB STEPS

TASK \_\_\_\_\_ TO \_\_\_\_\_

MFRC

TRANSMISSION ZONE

RZ 0	CZ 0	TAPER CODE 4150PJ
------	------	-------------------

CAUTION HIGH VOLTAGE  
KV 0.00 AERIAL N BURIED N

HIGHWAY PERMIT NO.

Utility CO		
REP NAME		
REP TEL NO.		
POLE CONTACTS	(+) 0	(-) 0

Utility CO		
REP NAME		
REP TEL NO.		
POLE CONTACTS	(+)0	(-)0

Utility CO		
REP NAME		
REP TEL NO.		
POLE CONTACTS	(+) 0	(-) 0

PROJECT NO A0144QX

TOT.PRINTS 85      PRINT NO. 75

NPA/NNX: 281-232 PRT:281232

EXCH. RICH-ROSE

TAX DIST. FG042

GEO LOC. W89232

ENGR. SK                      DRAWN TS

TELEPHONE NO. (281) 298-5803

REC.	REF.
------	------

MAP REF. 524K

SCALE NONE

ISSUE DATE

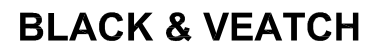
PROJ TITLE LIGHTGIG-4150PJ-DIST-RR

REV. NUMBER

DATE REV.

--Proprietary--

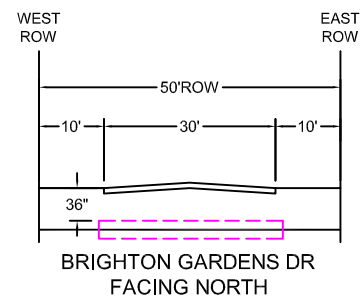
Not for use or disclosure outside the AT&T companies except under written agreement.



FORT BEND COUNTY  
PERMIT TBD  
SHOWN ON PRINT 16 & 17

### BORE DETAIL

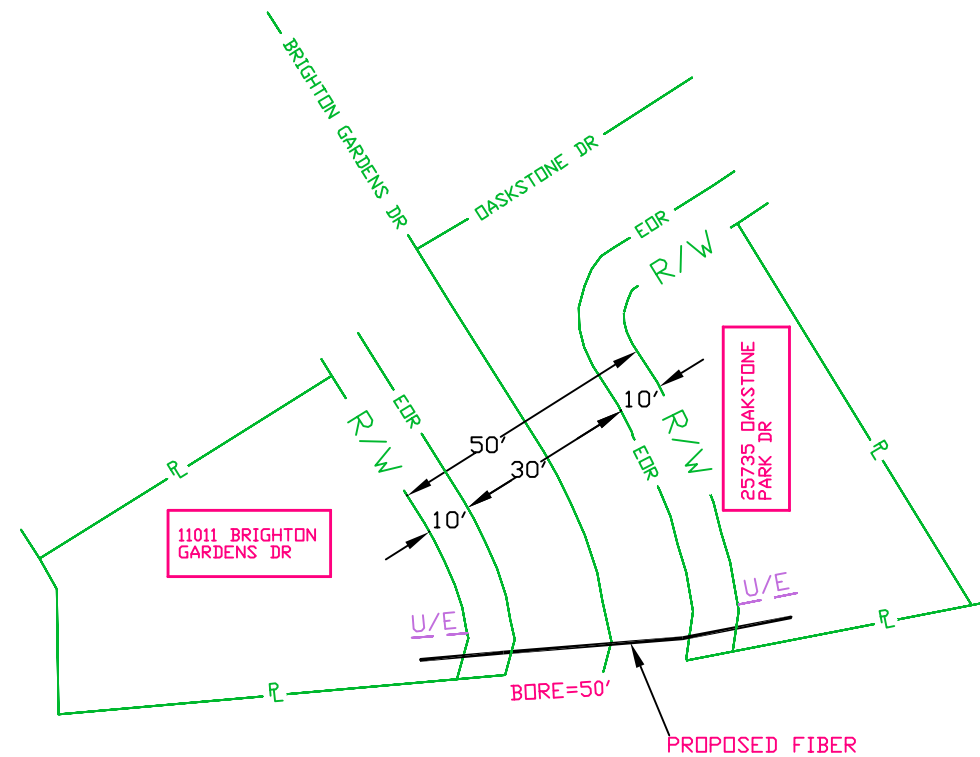
NTS



### TYPICAL BORE CROSS-SECTION

NTS

# FORT BEND COUNTY NOTIFICATION



WORK DONE IN FORT BEND  
COUNTY RIGHT OF WAY - PRINT  
FOR INFORMATIONAL PURPOSES  
ONLY

SPECIAL CIRCUITS	N
6203 FORWARDED	N
PERMIT REQUIRED	Y



### OPERATING RANGE OF JOB STEPS

TASK \_\_\_\_\_ TO \_\_\_\_\_

MFRC

TRANSMISSION ZONE

RZ 0 CZ 0 TAPER CODE 4150PJ

KV 0.00 CAUTION HIGH VOLTAGE  
AERIAL N BURIED N

HIGHWAY PERMIT NO.

Utility CO  
REP NAME  
REP TEL NO.  
POLE CONTACTS (+) 0 (-) 0

Utility CO  
REP NAME  
REP TEL NO.  
POLE CONTACTS (+)0 (-)0

Utility CO  
REP NAME  
REP TEL NO.  
POLE CONTACTS (+) 0 (-) 0

PROJECT NO A0144QX

TOT.PRINTS 85      PRINT NO. 76

NPA/NNX: 281-232 PRT:281232

EXCH. RICH-ROSE

TAX DIST. FG042

GEO LOC. W89232

ENGR. SK                      DRAWN TS

TELEPHONE NO. (281) 298-5803

REC.	REF.
------	------

MAP REF. 524K

SCALE NONE

ISSUE DATE

PROJ TITLE	LIGHTGIG-4150PJ-DIST-RR
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REV. NUMBER

DATE REV.

--Proprietary--

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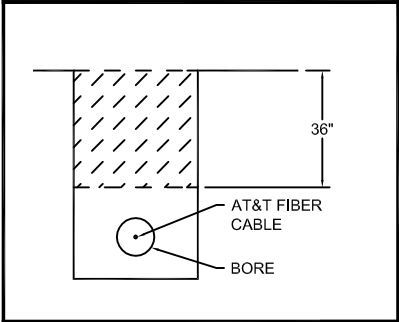


**BLACK & VEATCH**

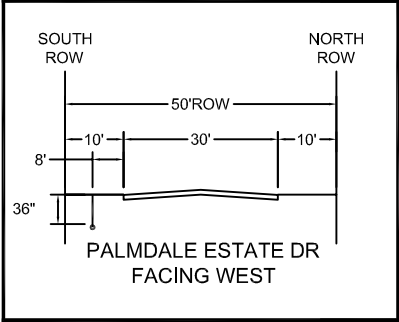
DESIGN ENGINEER CONTACT:  
JALEN GOLPHIN  
BLACK & VEATCH  
(469) 513-3245  
GOLPHINJ@BV.COM

FORT BEND COUNTY  
PERMIT TBD  
SHOWN ON PRINT 24 & 25

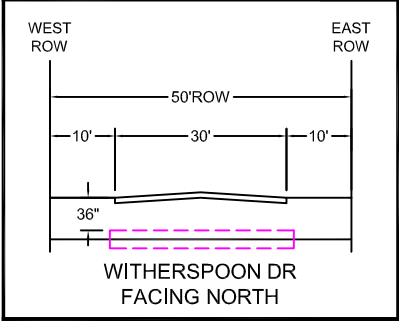
DESIGN SUMMARY:  
-BORE AND PLACE FIBER



BORE DETAIL NTS

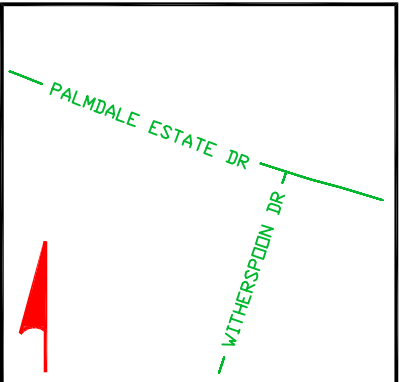
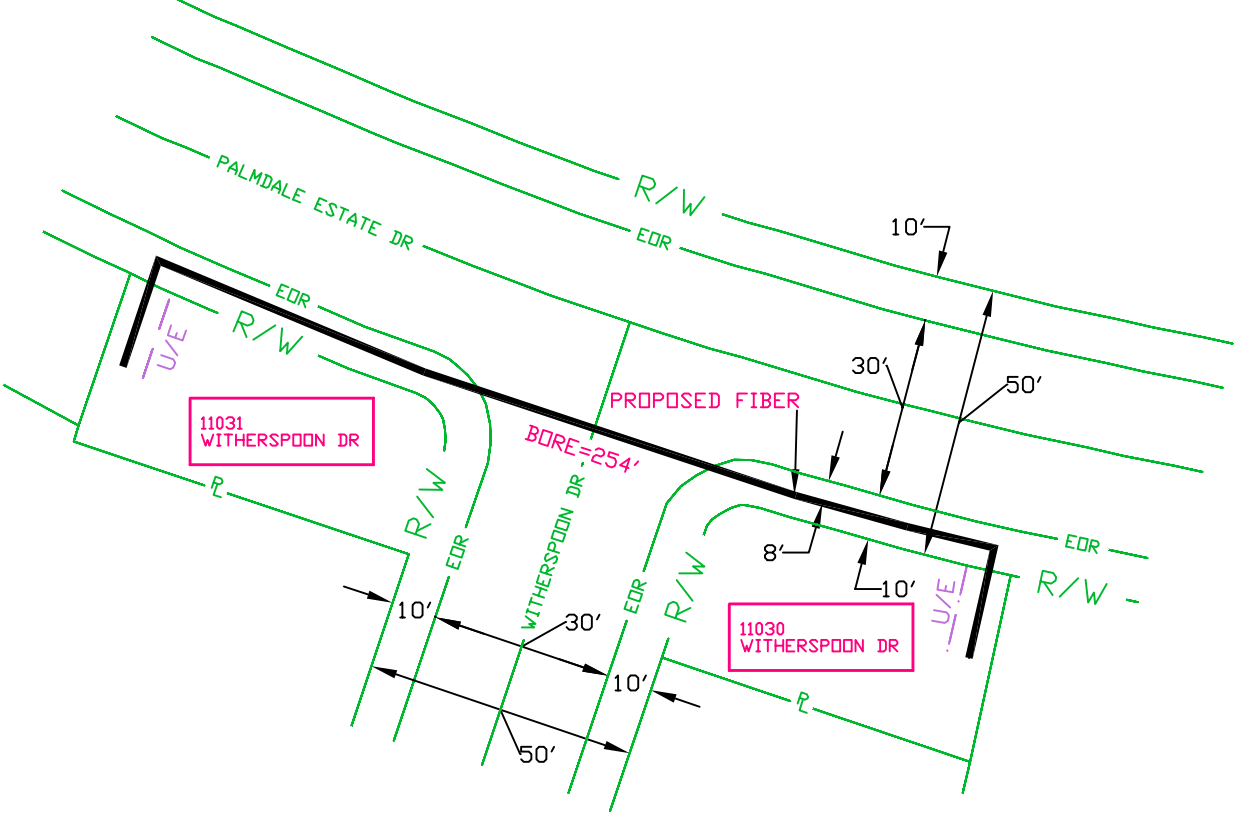


TYPICAL CROSS-SECTION NTS



TYPICAL BORE CROSS-SECTION NTS

FORT BEND COUNTY NOTIFICATION



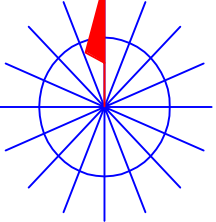
APPROXIMATE LOCATION MAP

WORK DONE IN FORT BEND  
COUNTY RIGHT OF WAY - PRINT  
FOR INFORMATIONAL PURPOSES  
ONLY

SPECIAL  
CIRCUITS N

6203  
FORWARDED N

PERMIT  
REQUIRED Y



NORTH ARROW

OPERATING RANGE OF JOB STEPS

TASK \_\_\_\_\_ TO \_\_\_\_\_

MFRC

TRANSMISSION ZONE

RZ 0 CZ 0 TAPER CODE 4150PJ

CAUTION HIGH VOLTAGE

KV 0.00 AERIAL N BURIED N

HIGHWAY PERMIT NO.

Utility CO  
REP NAME  
REP TEL NO.  
POLE CONTACTS (+) 0 (-) 0


Utility CO  
REP NAME  
REP TEL NO.  
POLE CONTACTS (+) 0 (-) 0

Utility CO  
REP NAME  
REP TEL NO.  
POLE CONTACTS (+) 0 (-) 0

PROJECT NO A0144QX

TOT.PRINTS 85 PRINT NO.77  
NPA/NNX: 281-232 PRT:281232  
EXCH. RICH-ROSE  
TAX DIST. FG042  
GEO LOC. W89232  
ENGR. SK DRAWNTS  
TELEPHONE NO. (281) 298-5803  
REC. REF.  
MAP REF. 524K  
SCALE NONE  
ISSUE DATE  
PROJ TITLE LIGHTGIG-4150PJ-DIST-RR  
REV. NUMBER  
DATE REV.



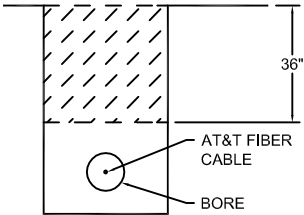


BLACK & VEATCH

DESIGN ENGINEER CONTACT:  
JALEN GOLPHIN  
BLACK & VEATCH  
(469) 513-3245  
GOLPHINJ@BV.COM

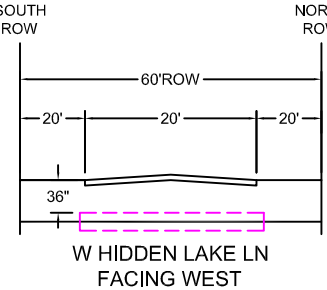
FORT BEND COUNTY  
PERMIT TBD  
SHOWN ON PRINT 39 & 40

DESIGN SUMMARY:  
-BORE AND PLACE CABLE



AT&T FIBER CABLE  
BORE

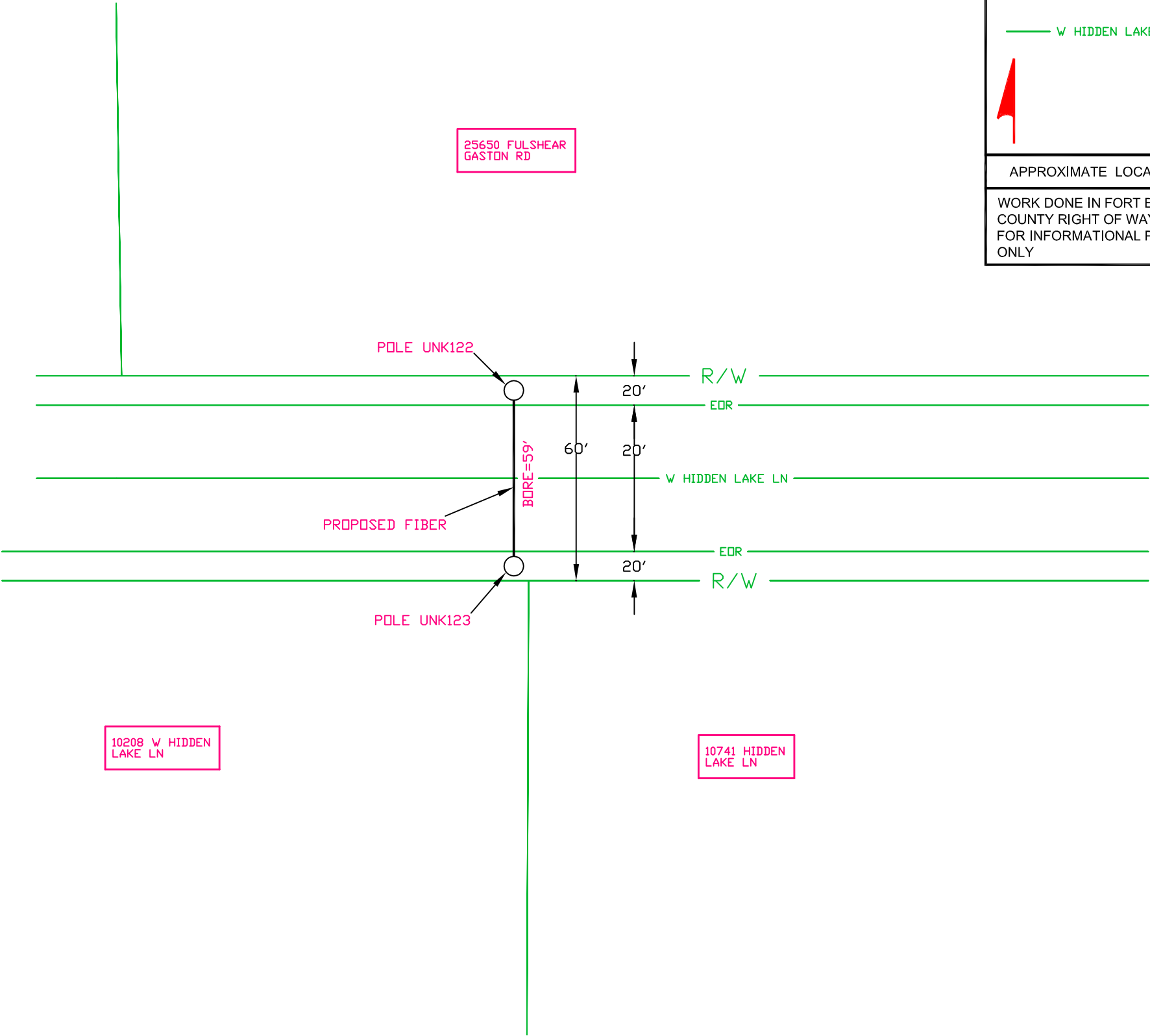
BORE DETAILNTS

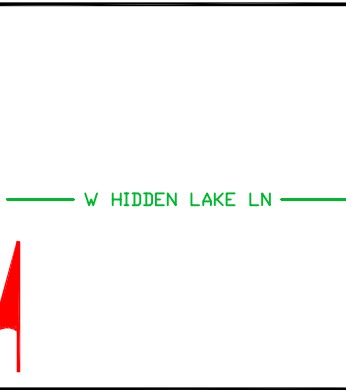


SOUTH ROWNORTH ROW  
60' ROW  
20' 20' 20'  
36"  
W HIDDEN LAKE LN  
FACING WEST

TYPICAL BORE CROSS-SECTIONNTS

FORT BEND COUNTY NOTIFICATION



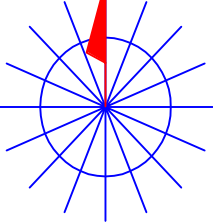


W HIDDEN LAKE LN

APPROXIMATE LOCATION MAP

WORK DONE IN FORT BEND  
COUNTY RIGHT OF WAY - PRINT  
FOR INFORMATIONAL PURPOSES  
ONLY

SPECIAL CIRCUITS N  
6203 FORWARDED N  
PERMIT REQUIRED Y



NORTH ARROW

OPERATING RANGE OF JOB STEPS  
TASK \_\_\_\_ TO \_\_\_\_  
MFRC

TRANSMISSION ZONE  
RZ 0 CZ 0 TAPER CODE 4150PJ

CAUTION HIGH VOLTAGE  
KV 0.00 AERIAL N BURIED N

HIGHWAY PERMIT NO.

Utility CO  
REP NAME  
REP TEL NO.  
POLE CONTACTS (+) 0 (-) 0


Utility CO  
REP NAME  
REP TEL NO.  
POLE CONTACTS (+) 0 (-) 0

Utility CO  
REP NAME  
REP TEL NO.  
POLE CONTACTS (+) 0 (-) 0

PROJECT NO A0144QX

TOT.PRINTS 85 PRINT NO. 78  
NPA/NNX: 281-232 PRT:281232  
EXCH. RICH-ROSE  
TAX DIST. FG042  
GEO LOC. W89232  
ENGR. SK DRAWNTS  
TELEPHONE NO. (281) 298-5803  
REC. REF.  
MAP REF. 524P  
SCALE NONE  
ISSUE DATE  
PROJ TITLE LIGHTGIG-4150PJ-DIST-RR  
REV. NUMBER  
DATE REV.



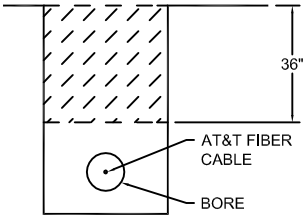


BLACK & VEATCH

DESIGN ENGINEER CONTACT:  
JALEN GOLPHIN  
BLACK & VEATCH  
(469) 513-3245  
GOLPHINJ@BV.COM

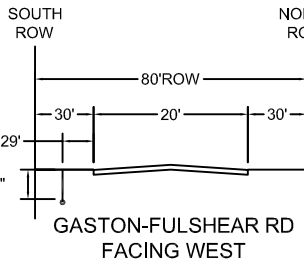
FORT BEND COUNTY  
PERMIT TBD  
SHOWN ON PRINT 66

DESIGN SUMMARY:  
-BORE AND PLACE FIBER



BORE DETAIL


NTS



TYPICAL CROSS-SECTION

NTS

FORT BEND COUNTY NOTIFICATION



GASTON-FULSHEAR RD

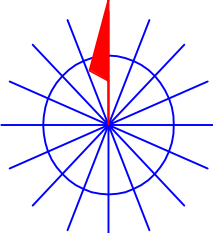
APPROXIMATE LOCATION MAP

WORK DONE IN FORT BEND  
COUNTY RIGHT OF WAY - PRINT  
FOR INFORMATIONAL PURPOSES  
ONLY

SPECIAL  
CIRCUITS N

6203  
FORWARDED N

PERMIT  
REQUIRED Y



NORTH ARROW

OPERATING RANGE OF JOB STEPS  
TASK \_\_\_\_\_ TO \_\_\_\_\_  
MFRC

TRANSMISSION ZONE  
RZ 0 CZ 0 TAPER CODE 4150PJ

CAUTION HIGH VOLTAGE  
KV 0.00 AERIAL N BURIED N

HIGHWAY PERMIT NO.

Utility CO  
REP NAME  
REP TEL NO.  
POLE CONTACTS (+) 0 (-) 0


Utility CO  
REP NAME  
REP TEL NO.  
POLE CONTACTS (+) 0 (-) 0

Utility CO  
REP NAME  
REP TEL NO.  
POLE CONTACTS (+) 0 (-) 0

PROJECT NO A0144QX

TOT.PRINTS 85 PRINT NO. 79  
NPA/NNX: 281-232 PRT:281232  
EXCH. RICH-ROSE  
TAX DIST. FG042  
GEO LOC. W89232  
ENGR. SK DRAWNTS  
TELEPHONE NO. (281) 298-5803  
REC. REF.  
MAP REF. 524Q  
SCALE NONE  
ISSUE DATE  
PROJ TITLE LIGHTGIG-4150PJ-DIST-RR  
REV. NUMBER  
DATE REV.

--Proprietary--  
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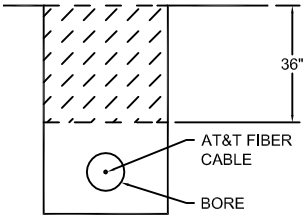


BLACK & VEATCH

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JALEN GOLPHIN  
BLACK & VEATCH  
(469) 513-3245  
GOLPHINJ@BV.COM

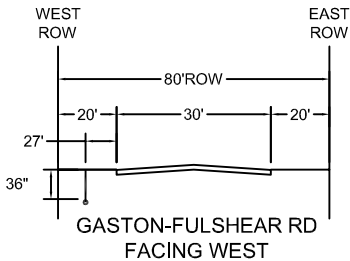
FORT BEND COUNTY  
PERMIT TBD  
SHOWN ON PRINT 69 & 70

DESIGN SUMMARY:  
-BORE AND PLACE FIBER



BORE DETAIL


NTS



TYPICAL CROSS-SECTION

NTS

FORT BEND COUNTY NOTIFICATION



GASTON-FULSHEAR RD

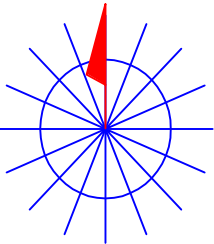
APPROXIMATE LOCATION MAP

WORK DONE IN FORT BEND  
COUNTY RIGHT OF WAY - PRINT  
FOR INFORMATIONAL PURPOSES  
ONLY

SPECIAL  
CIRCUITS N

6203  
FORWARDED N

PERMIT  
REQUIRED Y



NORTH ARROW

OPERATING RANGE OF JOB STEPS  
TASK \_\_\_\_ TO \_\_\_\_  
MFRC

TRANSMISSION ZONE  
RZ 0 CZ 0 TAPER CODE 4150PJ

CAUTION HIGH VOLTAGE  
KV 0.00 AERIAL N BURIED N

HIGHWAY PERMIT NO.

Utility CO  
REP NAME  
REP TEL NO.  
POLE CONTACTS (+) 0 (-) 0

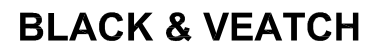
Utility CO  
REP NAME  
REP TEL NO.  
POLE CONTACTS (+) 0 (-) 0

Utility CO  
REP NAME  
REP TEL NO.  
POLE CONTACTS (+) 0 (-) 0

PROJECT NO A0144QX

TOT.PRINTS 85 PRINT NO. 80  
NPA/NNX: 281-232 PRT:281232  
EXCH. RICH-ROSE  
TAX DIST. FG042  
GEO LOC. W89232  
ENGR. SK DRAWNTS  
TELEPHONE NO. (281) 298-5803  
REC. REF.  
MAP REF. 524Q  
SCALE NONE  
ISSUE DATE  
PROJ TITLE LIGHTGIG-4150PJ-DIST-RR  
REV. NUMBER  
DATE REV.

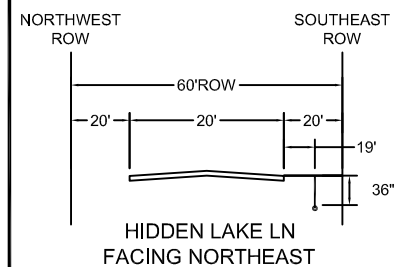
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FORT BEND COUNTY  
PERMIT TBD  
SHOWN ON PRINT 53, 54

BORE DETAIL

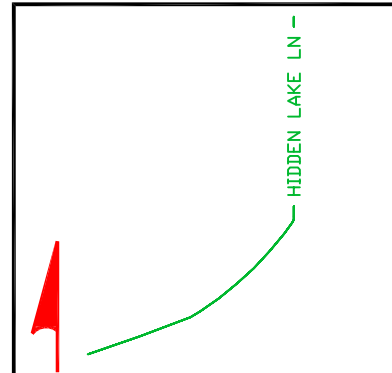
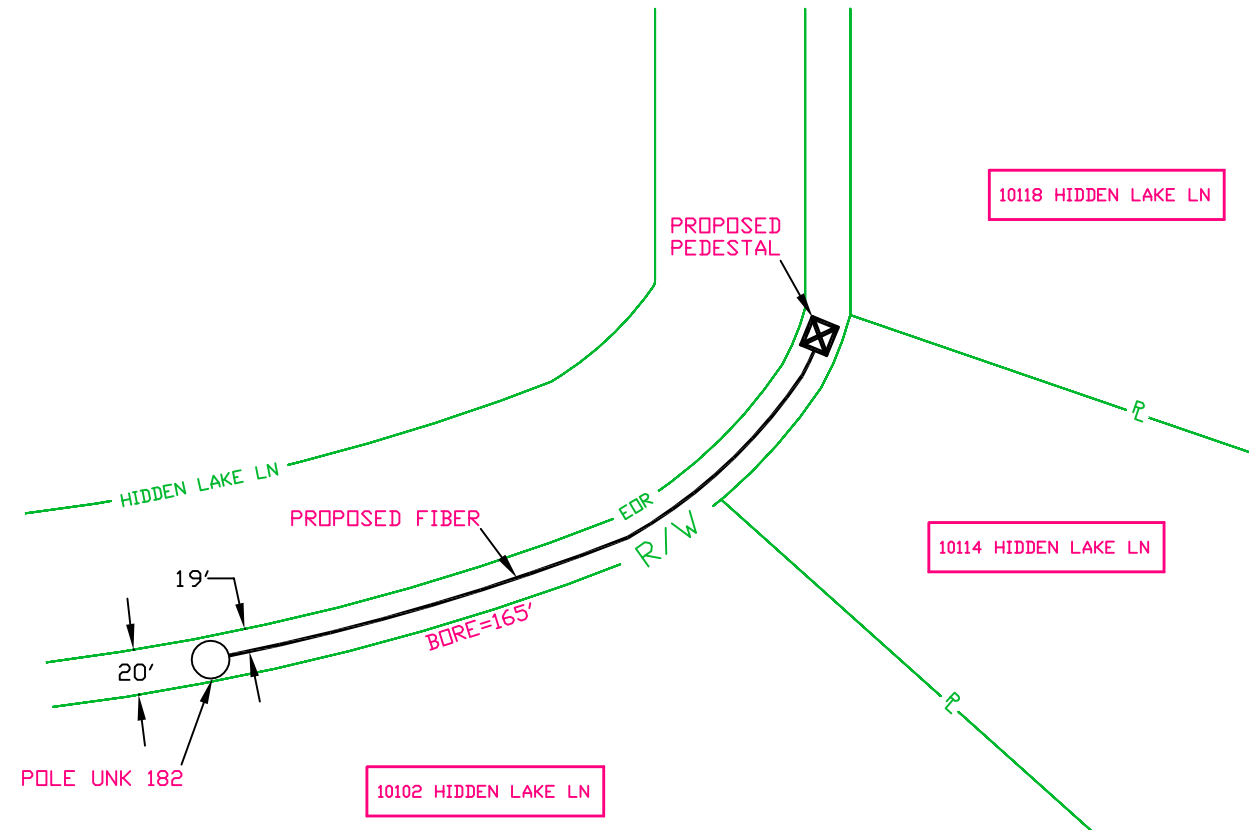
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### TYPICAL CROSS-SECTION

NTS

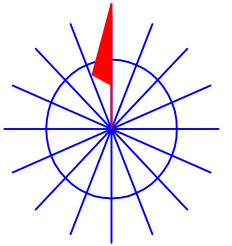
# FORT BEND COUNTY NOTIFICATION



APPROXIMATE LOCATION MAP

WORK DONE IN FORT BEND  
COUNTY RIGHT OF WAY - PRINT  
FOR INFORMATIONAL PURPOSES  
ONLY

SPECIAL	N
CIRCUITS	
6203	N
FORWARDED	
PERMIT	Y
REQUIRED	



NORTH ARROW

### OPERATING RANGE OF JOB STEPS

TASK \_\_\_\_\_ TO \_\_\_\_\_

MFRC

TRANSMISSION ZONE

RZ 0 CZ 0 TAPER CODE 4150PJ

KV 0.00 CAUTION HIGH VOLTAGE  
AERIAL N BURIED N

HIGHWAY PERMIT NO.

Utility CO  
REP NAME  
REP TEL NO.  
POLE CONTACTS (+) 0 (-) 0

Utility CO  
REP NAME  
REP TEL NO.  
POLE CONTACTS (+)0 (-)0

Utility CO  
REP NAME  
REP TEL NO.  
POLE CONTACTS (+) 0 (-) 0

PROJECT NO A0144QX

TOT.PRINTS 85      PRINT NO. 81

NPA/NNX: 281-232 PRT:281232

EXCH. RICH-ROSE

TAX DIST. FG042

GEO LOC. W89232

ENGR. SK                      DRAWN TS

TELEPHONE NO. (281) 298-5803

REC. REF.

MAP REF. 524T & 524U

SCALE NONE

ISSUE DATE


PROJ TITLE LIGHTGIG-4150PJ-DIST-RR

REV. NUMBER

DATE REV.

--Proprietary--

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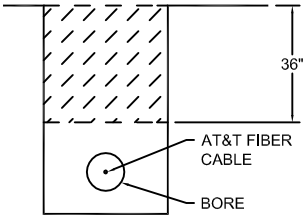


BLACK & VEATCH

DESIGN ENGINEER CONTACT:  
JALEN GOLPHIN  
BLACK & VEATCH  
(469) 513-3245  
GOLPHINJ@BV.COM

FORT BEND COUNTY  
PERMIT TBD  
SHOWN ON PRINT 6

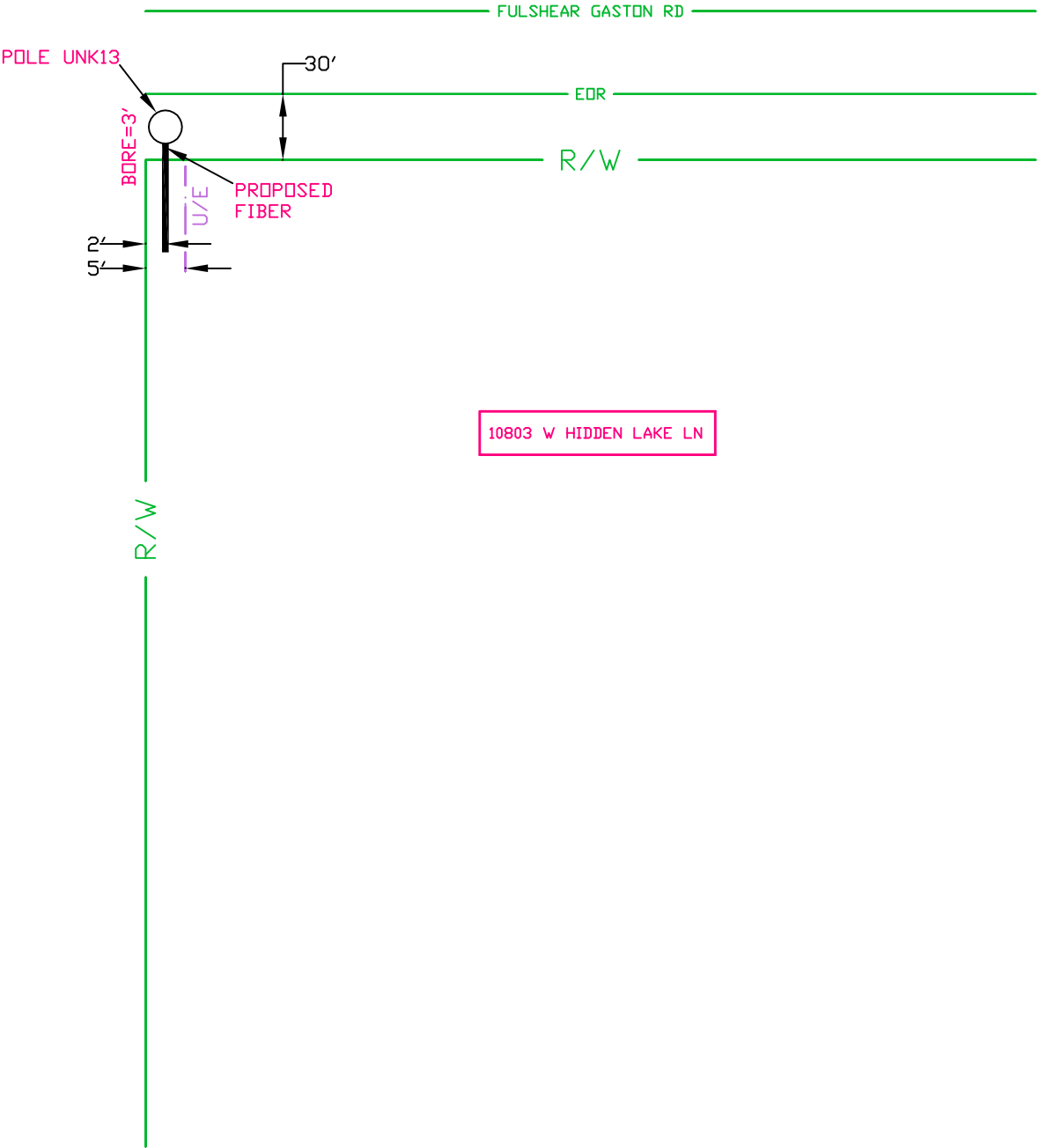
DESIGN SUMMARY:  
-BORE AND PLACE FIBER

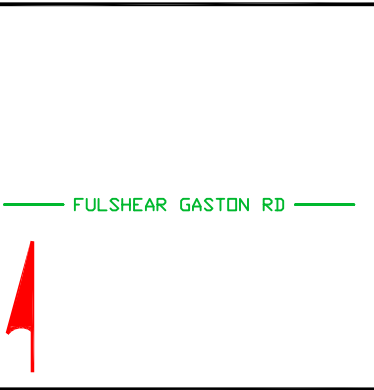


AT&T FIBER  
CABLE  
BORE

BORE DETAILNTS

FORT BEND COUNTY NOTIFICATION





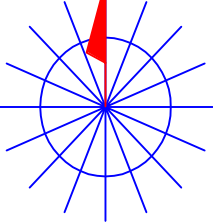
APPROXIMATE LOCATION MAP

WORK DONE IN FORT BEND  
COUNTY RIGHT OF WAY - PRINT  
FOR INFORMATIONAL PURPOSES  
ONLY

SPECIAL  
CIRCUITS N

6203  
FORWARDED N

PERMIT  
REQUIRED Y



NORTH ARROW

OPERATING RANGE OF JOB STEPS

TASK \_\_\_\_\_ TO \_\_\_\_\_

MFRC

TRANSMISSION ZONE

RZ 0CZ 0TAPER CODE 4150PJ

CAUTION HIGH VOLTAGE

KV 0.00AERIAL NBURIED N

HIGHWAY PERMIT NO.

Utility CO  
REP NAME  
REP TEL NO.  
POLE CONTACTS (+) 0 (-) 0

Utility CO  
REP NAME  
REP TEL NO.  
POLE CONTACTS (+) 0 (-) 0

Utility CO  
REP NAME  
REP TEL NO.  
POLE CONTACTS (+) 0 (-) 0

PROJECT NO A0144QX

TOT.PRINTS 85PRINT NO. 82

NPA/NNX: 281-232PRT:281232

EXCH. RICH-ROSE

TAX DIST. FG042

GEO LOC. W89232

ENGR. SKDRAWNTS

TELEPHONE NO. (281) 298-5803

REC. REF.

MAP REF. 524P

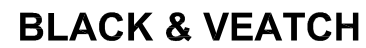
SCALE NONE

ISSUE DATE

PROJ TITLE LIGHTGIG-4150PJ-DIST-RR

REV. NUMBER

DATE REV.



FORT BEND COUNTY  
PERMIT TBD  
SHOWN ON PRINT 7, 8 & 9

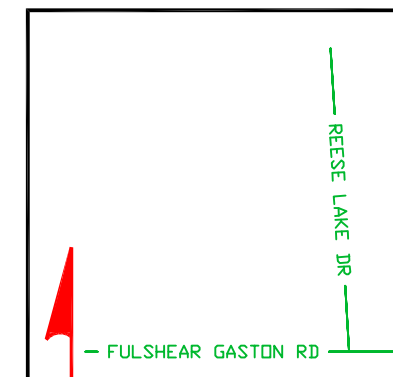
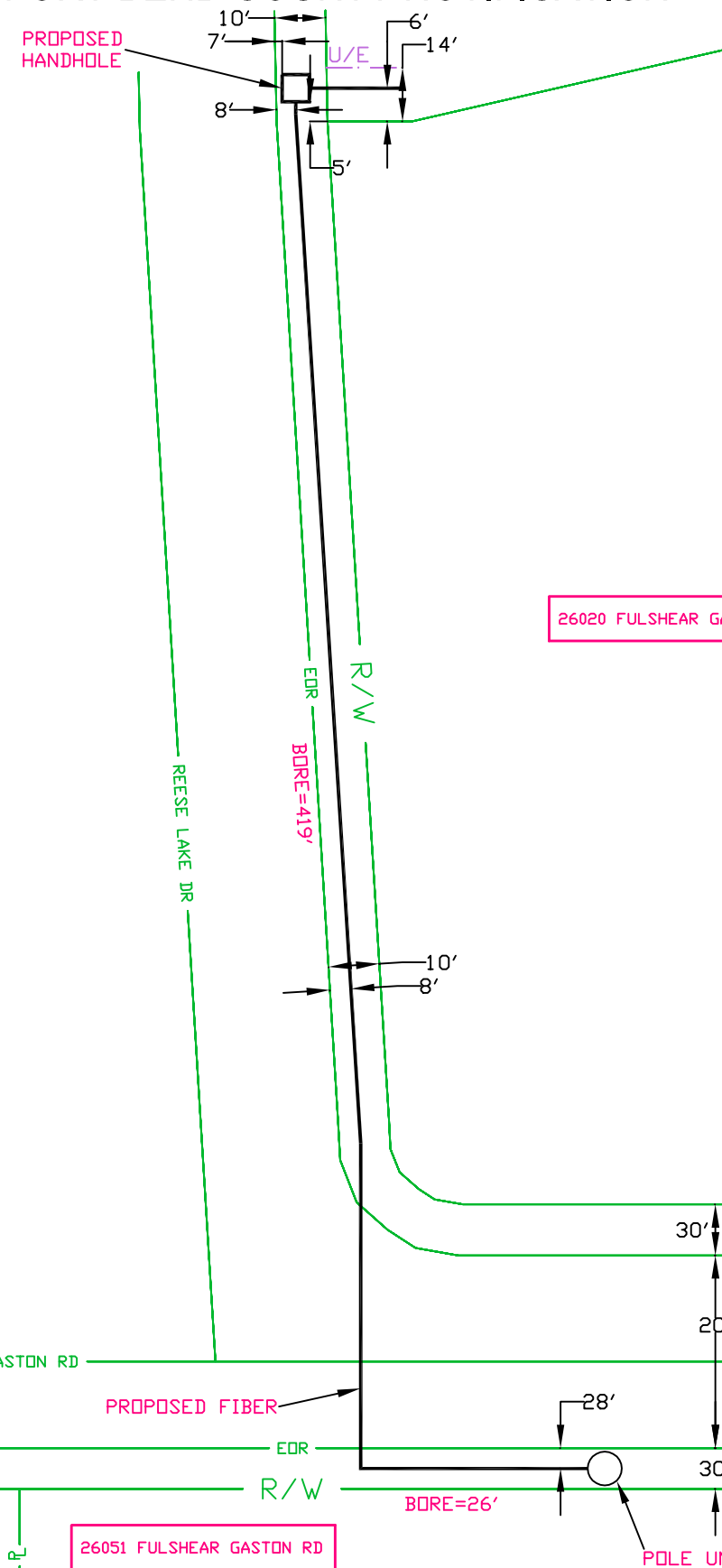
Figure 1 is a detail of the cable tray. It shows a cross-section of the tray with a hatched area representing the tray material. A vertical dimension line on the right indicates a height of 36 inches. A circular feature is labeled 'AT&T FIBER CABLE' and 'BORE'.

NTS

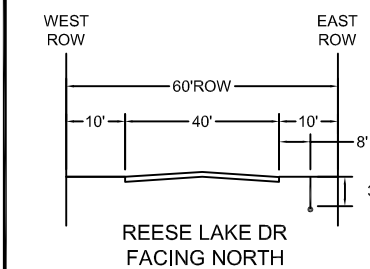
NTS

### TYPICAL BORE CROSS-SECTION

NTS

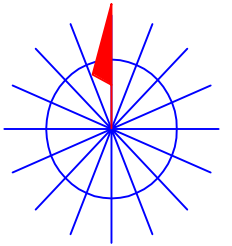


WORK DONE IN FORT BEND  
COUNTY RIGHT OF WAY - PRINT  
FOR INFORMATIONAL PURPOSES  
ONLY



### TYPICAL CROSS-SECTION

	NT
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TASK \_\_\_\_\_ TO \_\_\_\_\_

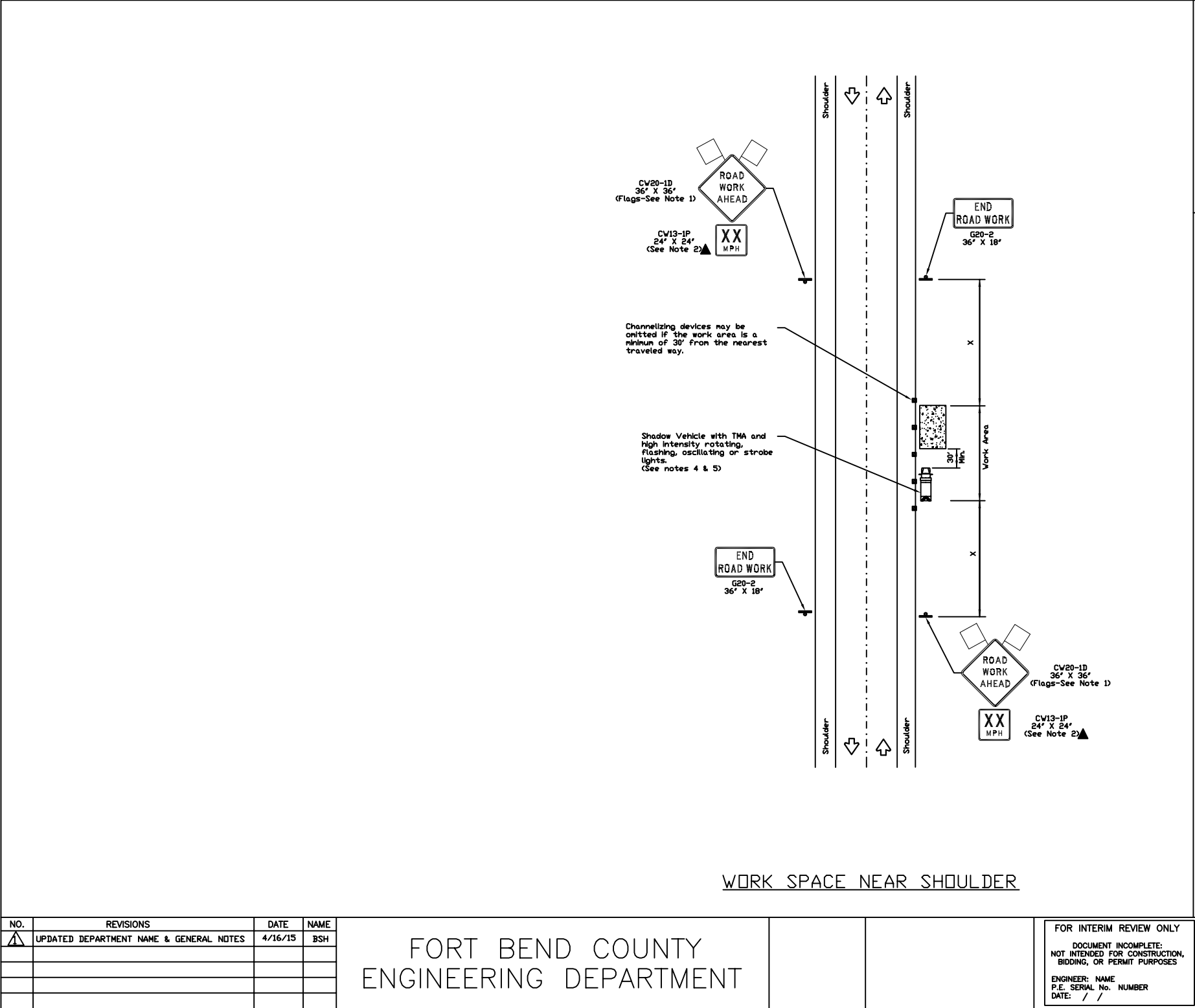
RZ 0 CZ 0 TAPER CODE 4150PJ

HIGHWAY PERMIT NO.

PROJECT NO A0144QX

DATE REV.

Not for use or disclosure outside the AT&T companies except under written agreement.



TRAFFIC CONTROL PLAN SECTION SHALL BE COMPLETED BY ENGINEER

ROADWAY	POSTED SPEED	TAPER LENGTH	SPACING CHANNELIZING DEVICES		SIGN SPACING	BUFFER SPACE
			TAPER	TANGENT		
FULSHEAR-GASTON RD	50	550'	50'	100'	400'	240'
HIDDEN LAKE LN	30	165'	30'	60'	120'	90'
REESE LAKE DR	35	225'	35'	70'	160'	120'

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
Flag	Flagger

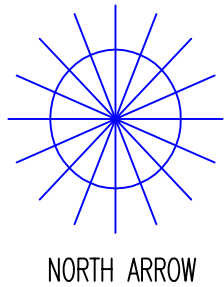
Posted Speed #	Formula	Minimum Desirable Taper Lengths "L"			Suggested Maximum Spacing of Channelizing Devices		Minimum Sign Spacing "x"	Suggested Longitudinal Buffer Space "B"
		10' Offset	11' Offset	12' Offset	On a Taper	On a Tangent		
30	$L = \frac{VS^2}{60}$	150'	165'	180'	30'	60'	120'	90'
35		205'	225'	245'	35'	70'	160'	120'
40		265'	295'	320'	40'	80'	240'	155'
45		450'	495'	540'	45'	90'	320'	195'
50	L=WS	500'	550'	600'	50'	100'	400'	240'
55		550'	605'	660'	55'	110'	500'	295'
60		600'	660'	720'	60'	120'	600'	350'
65		650'	715'	780'	65'	130'	700'	410'
70		700'	770'	840'	70'	140'	800'	475'
75		750'	825'	900'	75'	150'	900'	540'

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

GENERAL NOTES

- Flags attached to signs where shown are OPTIONAL.
- All traffic control devices illustrated are REQUIRED, except those denoted with the triangle symbol are OPTIONAL.
- Inactive work vehicles or other equipment should be parked near the right-of-way line and not parked on the paved shoulder.
- 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 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 Barricades or other channelizing devices may be substituted for the Shadow Vehicle and TMA.
- Additional Shadow Vehicles with TMAs may be positioned off the paved surface, next to those shown in order to protect wider work spaces.
- Contractor 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.
- No lanes shall be blocked during construction.
- If project is within 400 feet from a signalized intersection, the Contractor shall contact Harris County Engineering Department, Traffic Signal Maintenance at (713) 881-3210 five (5) days prior to the start of construction.

SPECIAL CIRCUITS N  
6203 FORWARDED N  
PERMIT REQUIRED N



OPERATING RANGE OF JOB STEPS  
TASK \_\_\_\_\_ TO \_\_\_\_\_  
MFRC

TRANSMISSION ZONE  
RZ 0 CZ 0 TAPER CODE 4150PJ

CAUTION HIGH VOLTAGE  
KV 0.00 AERIAL N BURIED N

HIGHWAY PERMIT NO.

Utility CO  
REP NAME  
REP TEL NO.  
POLE CONTACTS (+) 0 (-) 0

Utility CO  
REP NAME  
REP TEL NO.  
POLE CONTACTS (+) 0 (-) 0

Utility CO  
REP NAME  
REP TEL NO.  
POLE CONTACTS (+) 0 (-) 0

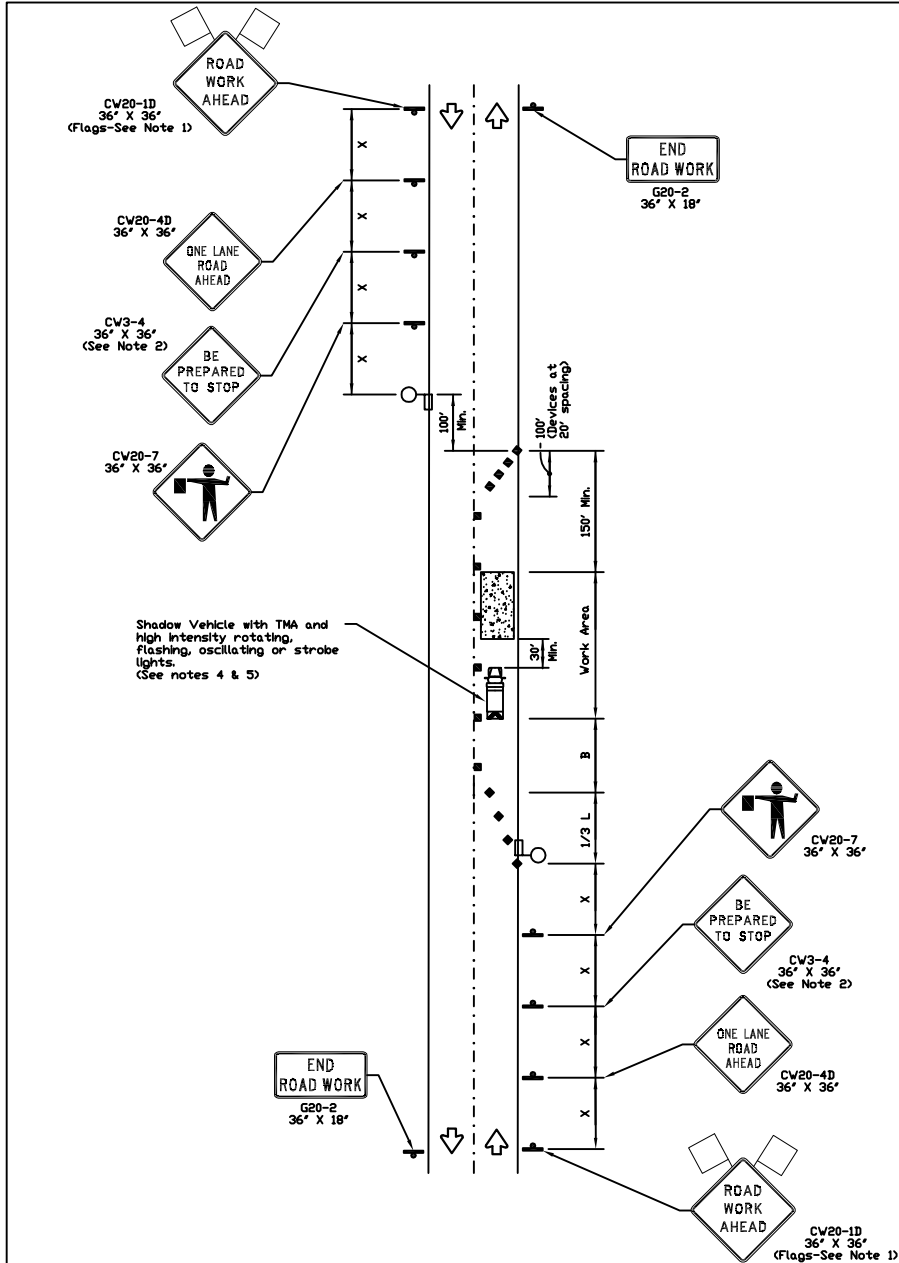
PROJECT NO A0144QX

TOT.PRINTS 85 PRINT NO. 84  
NPA/NNX: 281-232 PRT:281232  
EXCH. RICH-ROSE  
TAX DIST. FG042  
GEO LOC. W89232  
ENGR. SK DRAWNTS  
TELEPHONE NO. (281) 298-5803  
REC. REF.  
MAP REF.  
SCALE NONE  
ISSUE DATE  
PROJ TITLE LIGHTGIG-4150PJ-DIST-RR  
REV. NUMBER  
DATE REV.

FORT BEND COUNTY  
ENGINEERING DEPARTMENT

FOR INTERIM REVIEW ONLY  
DOCUMENT INCOMPLETE:  
NOT INTENDED FOR CONSTRUCTION,  
BIDDING, OR PERMIT PURPOSES  
ENGINEER: NAME  
P.E. SERIAL No. NUMBER  
DATE: / /

PROJECT TITLE:  
DRAWN BY: BSH  
CK'D BY: BSH  
SCALE: N.T.S.  
DATE: 6/26/14  
SHEET DESCRIPTION: TRAFFIC CONTROL PLAN (SHOULDER WORK)  
HCD STANDARD 38  
SHEET NO: /



ONE-LANE TWO-WAY SINGLE LANE CLOSURE  
CONTROL WITH FLAGGERS  
(ON STRAIGHT SECTION OF ROADWAY)

NO.	REVISIONS	DATE	NAME
1	UPDATED DEPARTMENT NAME & GENERAL NOTES	4/16/15	BSH

FORT BEND COUNTY  
ENGINEERING DEPARTMENT

FOR INTERIM REVIEW ONLY  
DOCUMENT INCOMPLETE:  
NOT INTENDED FOR CONSTRUCTION,  
BIDDING, OR PERMIT PURPOSES  
ENGINEER: NAME  
P.E. SERIAL No. NUMBER  
DATE: / /

TRAFFIC CONTROL PLAN SECTION SHALL BE  
COMPLETED BY ENGINEER

ROADWAY	POSTED SPEED	TAPER LENGTH	SPACING CHANNELIZING DEVICES		SIGN SPACING	BUFFER SPACE
			TAPER	TANGENT		
BRIGHTON GARDENS DR	30	165'	30'	60'	120'	90'
PALMDALE ESTATE DR	30	165'	30'	60'	120'	90'
BLUESTONE CANYON DR	30	165'	30'	60'	120'	90'
OAKSTONE PARK DR	30	165'	30'	60'	120'	90'
WITHERSPOON DR	30	165'	30'	60'	120'	90'

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

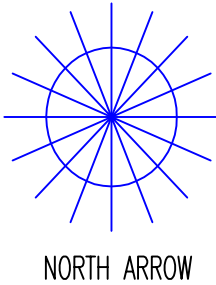
Posted Speed #	Formula	Minimum Desirable Taper Lengths 'L'			Suggested Maximum Spacing of Channelizing Devices		Minimum Sign Spacing 'X' Distance	Suggested Longitudinal Buffer Space 'B'
		10' Offset	11' Offset	12' Offset	On a Taper	On a Tangent		
30	$L = \frac{VS^2}{60}$	150'	165'	180'	30'	60'	120'	90'
35		205'	225'	245'	35'	70'	160'	120'
40		265'	295'	320'	40'	80'	240'	155'
45		450'	495'	540'	45'	90'	320'	195'
50		550'	550'	600'	50'	100'	400'	240'
55	L=VS	550'	605'	660'	55'	110'	500'	295'
60		600'	660'	720'	60'	120'	600'	350'
65		650'	715'	780'	65'	130'	700'	410'
70		700'	770'	840'	70'	140'	800'	475'
75		750'	825'	900'	75'	150'	900'	540'

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

- GENERAL NOTES
- Flags attached to signs where shown are OPTIONAL.
  - All traffic control devices illustrated are REQUIRED, except those denoted with the triangle symbol are OPTIONAL.
  - Inactive work vehicles or other equipment should be parked near the right-of-way line and not parked on the paved shoulder.
  - 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 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 Barricades or other channelizing devices may be substituted for the Shadow Vehicle and TMA.
  - Additional Shadow Vehicles with TMAs may be positioned off the paved surface, next to those shown in order to protect wider work spaces.
  - Contractor 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.
  - 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 horizontal or vertical curve, the buffer distances should be increased in order to maintain adequate stopping sight distances to the flagger and a queue of stopped vehicles (see table above).
  - 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. Flags should be limited to emergency situations.
  - No lanes shall be blocked from 7am to 9am and 4pm to 6:30pm Monday thru Friday.
  - Off duty police officers required to direct traffic when applicable.
  - If project is within 400 feet from a signalized intersection, the Contractor shall contact Harris County Engineering Department, Traffic Signal Maintenance at (713) 881-3210 five (5) days prior to the start of construction.

PROJECT TITLE:	
DRAWN BY: BSH	WCED STANDARD 39
CK'D BY: BSH	SHEET DESCRIPTION: TRAFFIC CONTROL PLAN (ONE-LANE, TWO-WAY OPERATION)
SCALE: N.T.S.	SHEET NO: /
DATE: 6/26/14	APPROVED BY:

SPECIAL  
CIRCUITS N  
6203  
FORWARDED N  
PERMIT  
REQUIRED N



OPERATING RANGE OF JOB STEPS

TASK \_\_\_\_\_ TO \_\_\_\_\_

MFRC

TRANSMISSION ZONE

RZ 0 CZ 0 TAPER CODE 4150PJ

CAUTION HIGH VOLTAGE

KV 0.00 AERIAL N BURIED N

HIGHWAY PERMIT NO.

Utility CO  
REP NAME  
REP TEL NO.  
POLE CONTACTS (+) 0 (-) 0

Utility CO  
REP NAME  
REP TEL NO.  
POLE CONTACTS (+) 0 (-) 0

Utility CO  
REP NAME  
REP TEL NO.  
POLE CONTACTS (+) 0 (-) 0

PROJECT NO A0144QX

TOT.PRINTS 85 PRINT NO. 85

NPA/NNX: 281-232 PRT:281232

EXCH. RICH-ROSE

TAX DIST. FG042

GEO LOC. W89232

ENGR. SK DRAWNTS

TELEPHONE NO. (281) 298-5803

REC. REF.

MAP REF.

SCALE NONE

ISSUE DATE

PROJ TITLE LIGHTGIG-4150PJ-DIST-RR

REV. NUMBER

DATE REV.

--Proprietary--

Not for use or disclosure outside the AT&T companies except under written agreement.



## Velasquez, Courtney

---

**From:** Slawinski, Stacy  
**Sent:** Friday, October 05, 2018 11:00 AM  
**To:** Velasquez, Courtney  
**Cc:** Peterson, Jillian; Eglinton, Sean; Mark Dessens (mdessens@spi-eng.com)  
**Subject:** RE: Permit 2018-23208 - Fulshear Gaston Rd

Courtney,

The permit can be approved with the following comment:

"Fort Bend County is designing the widening of Fulshear Gaston from FM359 to FM723. This project will require additional right-of-way on both sides of the existing roadway. Any facilities installed parallel to the existing ROW will likely require relocation in the next 2-5 years. In addition, any perpendicular crossings should be installed a minimum of 2-feet deeper than the nearest outfall channel. This will prevent conflicts with the future storm sewer system. Expenses associated with the relocation of utilities which conflict with the roadway improvements will be the responsibility of the utility owner."

Let me know if you have any questions.

Thanks,

**Stacy Slawinski**

[stacy.slawinski@fortbendcountytx.gov](mailto:stacy.slawinski@fortbendcountytx.gov)

281-633-7508 office

---

**From:** Velasquez, Courtney  
**Sent:** Friday, October 5, 2018 8:17 AM  
**To:** Slawinski, Stacy <Stacy.Slawinski@fortbendcountytx.gov>  
**Cc:** Peterson, Jillian <Jillian.Peterson@fortbendcountytx.gov>; Eglinton, Sean <Sean.Eglinton@fortbendcountytx.gov>; Mark Dessens (mdessens@spi-eng.com) <mdessens@spi-eng.com>  
**Subject:** FW: Permit 2018-23208 - Fulshear Gaston Rd

To follow up on Mark's comment's..... What does this mean for this permit?

Do we let them build as they will and deal with it when it is funded?

I did not get a definite answer on it.

---

**From:** Mark Dessens <mdessens@spi-eng.com>  
**Sent:** Wednesday, September 26, 2018 2:28 PM  
**To:** Velasquez, Courtney <Courtney.Velasquez@fortbendcountytx.gov>; Slawinski, Stacy <Stacy.Slawinski@fortbendcountytx.gov>  
**Cc:** Peterson, Jillian <Jillian.Peterson@fortbendcountytx.gov>; Eglinton, Sean <Sean.Eglinton@fortbendcountytx.gov>  
**Subject:** RE: Permit 2018-23208 - Fulshear Gaston Rd

**CAUTION:** This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

This is a very difficult one to call, since we don't even have preliminary drawings on the project. I would say there's little doubt that the buried fiber under Fulshear Gaston Road will be in conflict with a proposed storm sewer, but I don't know depths or locations of that sewer yet. Right-of-way might be acquired in some locations, but that hasn't been determined either.

Keep in mind that the Fulshear Gaston mobility project has no funding for right-of-way acquisition or construction, so I would expect it to be at least four years before this project could go to construction unless something changes. With that in mind, do we let them build as they will and deal with it when this project gets funding?

Mark

---

**From:** Velasquez, Courtney [mailto:[Courtney.Velasquez@fortbendcountytexas.gov](mailto:Courtney.Velasquez@fortbendcountytexas.gov)]  
**Sent:** Wednesday, September 26, 2018 1:08 PM  
**To:** Slawinski, Stacy; Mark Dessens ([mdessens@spi-eng.com](mailto:mdessens@spi-eng.com))  
**Cc:** Peterson, Jillian; Eglinton, Sean  
**Subject:** RE: Permit 2018-23208 - Fulshear Gaston Rd

Do we have any update on this permit application?

---

**From:** Slawinski, Stacy  
**Sent:** Tuesday, September 11, 2018 1:29 PM  
**To:** Mark Dessens ([mdessens@spi-eng.com](mailto:mdessens@spi-eng.com)) <[mdessens@spi-eng.com](mailto:mdessens@spi-eng.com)>  
**Cc:** Velasquez, Courtney <[Courtney.Velasquez@fortbendcountytexas.gov](mailto:Courtney.Velasquez@fortbendcountytexas.gov)>  
**Subject:** FW: Permit 2018-23208 - Fulshear Gaston Rd

Please review the locations within the Fulshear Gaston project and identify any future conflicts. Let me know if you have any questions.

Thanks,  
**Stacy Slawinski**  
[stacy.slawinski@fortbendcountytexas.gov](mailto:stacy.slawinski@fortbendcountytexas.gov)  
281-633-7508 office

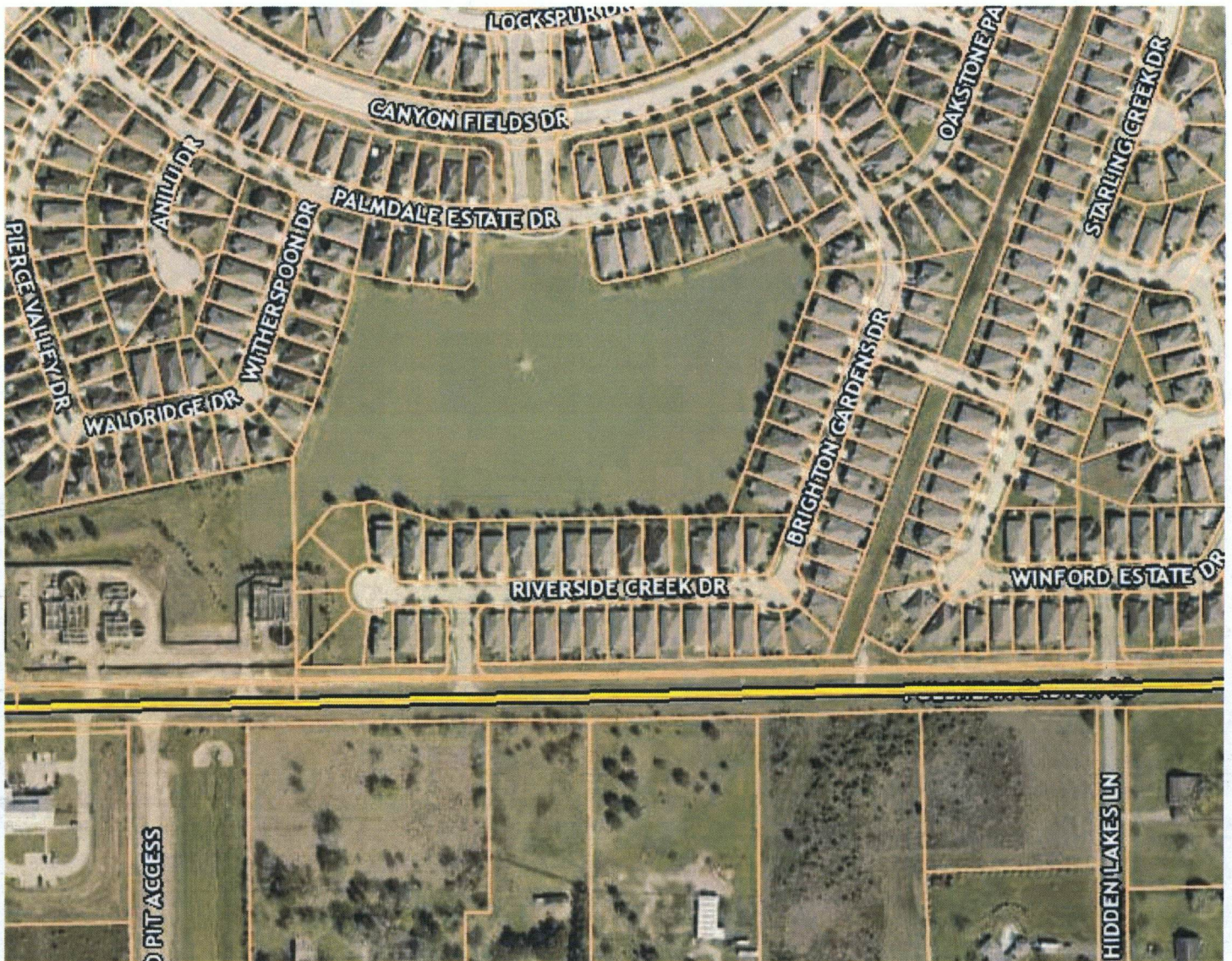
---

**From:** Velasquez, Courtney  
**Sent:** Monday, September 10, 2018 4:16 PM  
**To:** Slawinski, Stacy <[Stacy.Slawinski@fortbendcountytexas.gov](mailto:Stacy.Slawinski@fortbendcountytexas.gov)>  
**Cc:** Peterson, Jillian <[Jillian.Peterson@fortbendcountytexas.gov](mailto:Jillian.Peterson@fortbendcountytexas.gov)>; Eglinton, Sean <[Sean.Eglinton@fortbendcountytexas.gov](mailto:Sean.Eglinton@fortbendcountytexas.gov)>  
**Subject:** Permit 2018-23208 - Fulshear Gaston Rd

Stacy could you check this one out for me it is all over the place in the mobility project area on Fulshear Gaston.

Permit from AT&T to: "Bore and place fiber optical cable according to prints. Bore 2093', place two (2) hand holes, place one (1) pedestal, and place one (1) flower pot."





**Courtney Velasquez**

**Clerk III**

**Fort Bend County Engineering**

301 Jackson St., Suite 401 | Richmond, TX 77469

Email: [Courtney.Velasquez@fortbendcountytexas.gov](mailto:Courtney.Velasquez@fortbendcountytexas.gov)

Phone: 281-633-7516