

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

Х	Right of Way Permit
	Commercial Driveway Permit
Perr	nit No: 2018-21027

	Permit No: 2018-21027						
Appli	icant: Frontie	er Southwest Inc. dba Fronti	ier Communi	cations of Tex	as		
Job Location Site: Star Lake Drive, Missouri City, TX 77459							
Bond	l No.	Date of Bond:	5/8/2018	_Amount:	\$50,000.00	-	
Laying Roads Comr Texas	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 inconsistant with Chapter 181, Vernon's Texas Statutes and Codes Annoted.						
Notes 1. 2.	Evidence of regrounds for jo Written notice a. 4 b. V	view by the Commissioners C b shutdown. es are required: 48 hours in advance of constru When construction is complet Administrator thru MyGovern pires one (1) year from date or	uction start u ed and ready mentOnline.c	p, and for final inspec org portal.	tion, submit notification t		
Comr notice	missioner e of said above	une, 2018, Upon Motion of Co , duly purpose is hereby acknowled aced on record according to t	put and carri ged by the Co	ed, it is ORDERE ommissioners Co	, second ED, ADJUDGED AND DECR purt of Fort Bend County,	EED that said	
Signa	Signature Presented to Commissioners Court and approved.						
Ву:	County Engine	Eghten er	Date	Recorded	Comm. Court No		
	N/A			of Commission	ners Court		
By:		ct Engineer/Manager	By:	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

X	Right of Way Permit				
	Commercial Driveway Permi				
Perr	nit No: 2018-21027				

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:

| X | a. Name of road, street, and/or drainage ditch affected.

X a. Name of road, street, and/or	a. Name of road, street, and/or drainage ditch affected.				
X b. Vicinity map showing course	b. Vicinity map showing course of directions				
X c. Plans and specifications					
(2) BOND:					
County Attorney, approval whe applicable.	n				
X 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 (WHE	N APPLICABLE):				
Drainage District Approval	_	Date			
We have reviewed this project and agree it r	neets minimum req	uirements.			
Lan Estitu		6/1/2018			
Permit Administrator		Date			



STAR LAKE DRIVE MISSOURI CITY, TX

DATE: 5/21/18

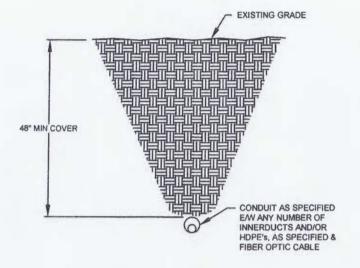
TYPICAL DETAIL "A"

CROSS SECTION OF PROPOSED HDPE

CONDUIT AS SPECIFIED E/W ANY NUMBER OF INNERDUCTS AND /OR PROPOSED FIBER OPTIC CABLE HDPE's AS SPECIFIED

TYPICAL DETAIL "B"

DIRECTIONAL BORE CROSS SECTION FOR CONDUIT





PROJECT:

MISSOURI CITY, TX

STAR LAKE DR

TEO, LLC

5510 Community DRIVE Houston, Texas 77005 281-536-5123 OFFICE 713-668-6334 FAX teollc@gmail.com FIRM # F-8978



OMMUNIC

DATE: 5/21/18

ENGINEER:

DRAWN BY: G.F.S. (CLR)

REVISIONS

No.	DATE	DESCRIPTION	BY
			-
è.			-
			-
			1
		300	
-			1
	0		1

EXCEPT AS MAY BE OTHERWISE PROVIDED CONTRACT, THESE DRAWINGS AND SPECIFICATION SHALL REMAIN THE PROPERTY OF MI COMMUNICATIONS SERVICES INC. BOTH BEIN ISSUED IN STRICT CONFIDENCE AND SHALL NOT B REPRODUCED, COPIED, OR USED FOR AN PURPOSE WITHOUT SPECIFIC WRITTEN PERMISSIO

SCALE

HORIZONTAL: 1"= 50"

VERTICAL: 1"= N/A

TO MP

SHEET 2 OF 7 FILE:

UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND FIELD OBSERVATIONS BUT ARE NOT NECESSARILY EXACT. IT IS THE CONTRACTORS RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES PRIOR TO CONSTRUCTION. COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.

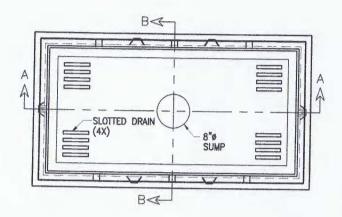


RIGHT OF WAY LINES WERE ESTABLISHED BY RESEARCH OF PUBLIC INFORMATION. NO BOUNDARY SURVEY OR PROPERTY LINE SURVEY WAS ESTABLISHED BY GOLDEN FIELD SERVICES, INC.. RIGHT OF WAY BOUNDARY MUST BE FIELD VERIFIED BY A REGISTERED PROFESSIONAL LAND SURVEYOR TO ACCURATELY VERIFY RIGHT OF WAY AND PROPERTY LINES PRIOR TO CONSTRUCTION.

STANDARD HANDHOLE DETAILS

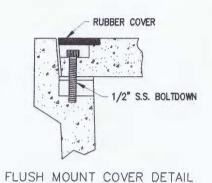
DETAIL "A"

LOCKING DEVICE **CROSS SECTION**



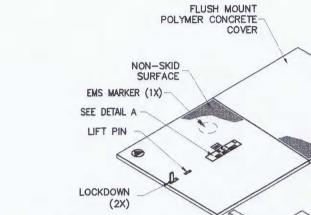
DETAIL "B"

FLUSH MOUNT COVER DETAIL



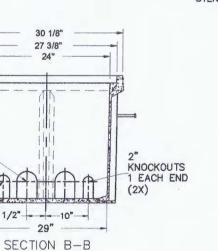
DETAIL "C"

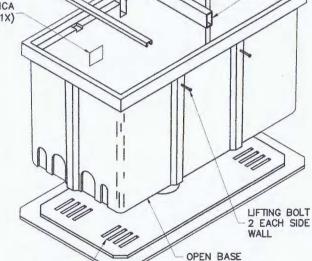
EXPLODED ISOMETRIC DETAIL



UNISTRUT SUPPORT BEAM (2X)

STENCIL BUY AMERICA COMPLIANT (1X)





SEALED PLASTIC BAG PLACED INSIDE VAULT TO CONTAIN

JOHNNY LOCK KEY

3 1/2"

5"

KNOCKOUTS

2 EACH END (4X)

KNOCKOUTS

1 EACH END (2X)

S.S. JOHNNY BOLTS W/FLAT WASHER.

SHRINK WRAP COVERS TO FRAME FOR PACKAGING.

29"

30K STANDARD HANDHOLE

DRAIN (4X)

24"X36"x30" POLYMER CONCRETE FLUSH MOUNT ASSEMBLY MEETS SCTE/ANSI 77-TIER 22 LOADING CRITERIA **ADDITIONAL REQUIREMENTS:** DESIGNED LOAD: 30,000 LBS **MINIMUM FAILURE LOAD: 45,000 LBS**

POLYMER CONCRETE

PROJECT:

MISSOURI CITY, TX

STAR LAKE DR

TEO, LLC 5510 Community DRIVE Houston, Texas 77005 281-536-5123 OFFICE 713-668-6334 FAX teollc@gmail.com FIRM # F-8978



5-22-18

OMMUNIC

DATE: 5/21/18

ENGINEER:

STEEL BEAM

(CENTER ONLY)

DRAWN BY: G.F.S. (CLR)

REVISIONS

DESCRIPTION No. DATE

EXCEPT AS MAY BE OTHERWISE PROVIDED BE CONTRACT, THESE DRAWMORS AND SPECIFICATION SHALL REMAIN THE PROPERTY OF M. COMMUNICATIONS SERVICES INC. BOTH BEING

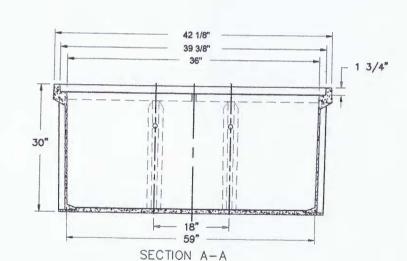
SCALE

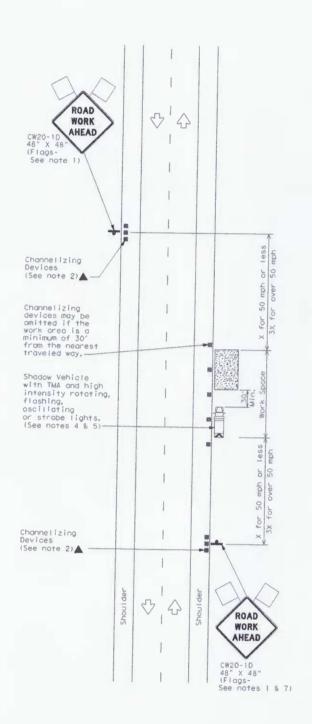
HORIZONTAL: 1"= 50'

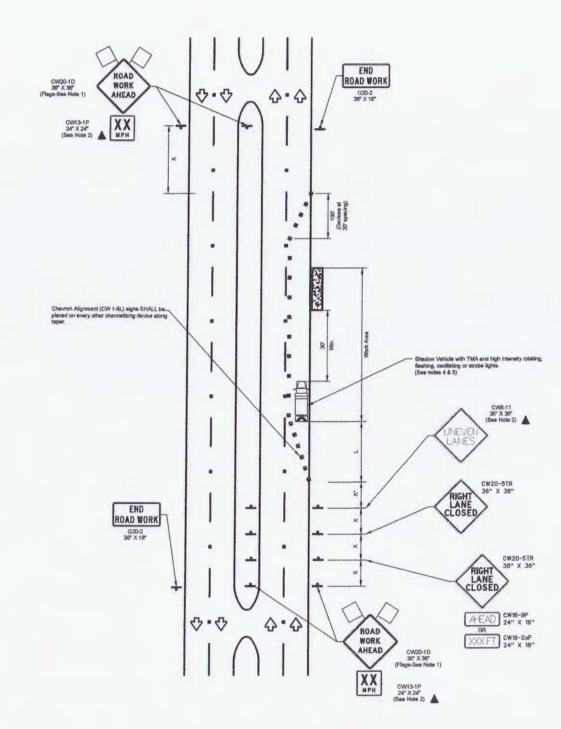
VERTICAL: 1"= N/A

TO MP

SHEET 3 OF FILE:







TCP (1-1a)

WORK SPACE NEAR SHOULDER Conventional Roads

RIGHT LANE CLOSURE (4 LANE BOULEVARD ROAD)

	LEGE	ND	
7777	Type 3 Barricade	9 6	Channelizing Devices
	Heavy Work Vehicle		Truck Mounted Attenuator (TMA)
	Trailer Mounted Flashing Arrow Board	M	Portable Changeable Message Sign (PCMS)
-	Sign	4	Traffic Flow
()	Flag	10	Flagger

Posted Speed	Formula	Minimum Desirable Taper Lengths **		Suggested Maximum Spacing of Channelizing Devices		Minimum Sign Spacing	Suggested Longitudinal Bufter Space	
*		10' Offset	11 Offset	1Z Oftset	On a Taper	On a Tangent	Distance	"B"
30	2	150'	165'	180'	30	60'	120'	90'
35	WS2	205'	225'	245'	35'	70'	160'	120'
40	60	265	295	320'	40'	80'	240'	155'
45	1	450	495	540'	45'	90'-	320	195'
50		500'	550	600'	501	100'	400'	240'
55	L=WS	550'	605'	660'	55'	110'	500'	295'
60	F = 44.2	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.

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

		TYPICAL L	JSAGE	
MOBILE	SHORT DURATION	SHORT TERM STATIONARY	INTERMEDIATE TERM STATIONARY	LONG TERM STATIONARY
	1	1		

GENERAL NOTES

Figs attached to signs where shown are REQUIRED.
 All traffic control devices illustrated are REQUIRED, except those

denoted with the triangle symbol may be omitted when stated elsewhere in the pians, or for routine maintenance work, when approved by the Engineer.

3. Inactive work vehicles or other equipment should be parked near the

right-of-way line and not parked an the poved shoulder.

4. A Shodow 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.

5. Additional Shadow Vehicles with TMAs may be positioned aff the paved

surface, next to those shown in order to protect wider work spaces.

6. See TCP(5-1) for shoulder work an divided highways, expressways and freeways.
7. CW21-5 "SHOULDER WORK" signs may be used in place of CW20-1D

"ROAD WORK AHEAD" signs for shoulder work on conventional roadways.



PROJECT:

MISSOURI CITY, TX STAR LAKE DR

TEO, LLC Houston, Texas 77005 281-536-5123 OFFICE 713-668-6334 FAX teolic@gmail.com FIRM # F-8978



S OMMUNICATION

DATE:	5/21/18

ENGINEER:

DRAWN BY: G.F.S. (CLR)

REVISIONS

0.	DATE	DESCRIPTION	BY				

EXCEPT AS MAY BE OTHERWISE PROVIDED BY EXCEPT AS MAY BE OTHERWISE PROVIDED B CONTRACT, THESE DRAWINGS AND SPECIFICATION S HALL REMAIN THE PROPERTY OF MC COMMUNICATIONS SERVICES INC. BOTH BEIN ISSUED IN STRICT CONFIDENCE AND SHALL NOT B REPRODUCED, COPIED, OR USED FOR AN PURPOSE WITHOUT SPECIFIC WRITTEN PERMISSION

SCALE HORIZONTAL: 1"= 50" VERTICAL: 1"= N/A TO MP MP SHEET 4 OF 7

FILE:

MISSOURI CITY, TX FORT BEND COUNTY 5-12-18 BORE 1.5" HDPE W/ 1-24F CABLE SEE SHEET 6 TO MATCH SURVEY SIENNA POINT--FM 521-

COMMUNICATIONS

PROJECT

MISSOURI CITY, TX

STAR LAKE DR

TEO, LLC 5510 Community DRIVE Houston, Texas

281-536-5123 OFFICE 713-668-6334 FAX teollc@gmail.com FIRM # F-8978



COMMUNICATION

DATE: 5/21/18

ENGINEER:

DRAWN BY: G.F.S. (CLR)

REVISIONS

No. DATE DESCRIPTION

EXCEPT AS MAY BE OTHERWISE PROVIDED BY CONTRACT. THESE DRAWINGS AND SPECIFICATIONS SHALL REMAIN THE PROPERTY OF MCI COMMUNICATIONS SERVICES INC. BOTH BEING ISSUED IN STRICT CONFIDENCE AND SHALL NOT BE REPRODUCED, COPIED, OR USED FOR ANY DURPOSE WITHOUT SPECIFIC WITHTEN PERMISSION.

SCALE

HORIZONTAL: 1"= 50"

VERTICAL: 1"= N/A

TO MP SHEET OF 7

UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND FIELD OBSERVATIONS BUT ARE NOT NECESSARILY EXACT. IT IS THE CONTRACTORS RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES PRIOR TO CONSTRUCTION. COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.



RIGHT OF WAY LINES WERE ESTABLISHED BY RESEARCH OF PUBLIC INFORMATION. NO BOUNDARY SURVEY OR PROPERTY LINE SURVEY WAS ESTABLISHED BY GOLDEN FIELD SERVICES, INC.. RIGHT OF WAY BOUNDARY MUST BE FIELD VERIFIED BY A REGISTERED PROFESSIONAL LAND SURVEYOR TO ACCURATELY VERIFY FILE: RIGHT OF WAY AND PROPERTY LINES PRIOR TO CONSTRUCTION.

MISSOURI CITY, TX FORT BEND COUNTY



PROJECT:

MISSOURI CITY, TX

STAR LAKE DR

TEO, LLC 5510 Community DRIVE Houston, Texas 77005 281-536-5123 OFFICE 713-668-6334 FAX teolic@gmail.com FIRM# F-8978

OMMUNIC

DATE: 5/21/18

DRAWN BY: G.F.S. (CLR) REVISIONS

No. DATE DESCRIPTION

EXCEPT AS MAY BE OTHERWISE PROVIDED BY CONTRACT, THESE DRAWINGS AND SPECIFICATIONS SHALL REMAIN THE PROPERTY OF MCI COMMUNICATIONS SERVICES INC. BOTH BEING SUSUED IN STRICT CONFIDENCE AND SHALL NOT BE REPRODUCED. COPIED. OR USED FOR ANY PURPOSE WITHOUT SPECIFIC WRITTEN PERMISSION

SCALE

HORIZONTAL: 1"= 50"

VERTICAL: 1"= N/A

TO MP OF 7

BORE 1.5" HDPE W/ 1-24F CABLE -STAR LAKE DR -SHEET ENGINEER: SEE SEE SHEET 5 TO MATCH SURVEY STA. 5+00 RIGHT OF WAY LINES WERE ESTABLISHED BY RESEARCH OF PUBLIC INFORMATION. NO BOUNDARY SURVEY OR PROPERTY LINE SURVEY WAS ESTABLISHED BY SHEET GOLDEN FIELD SERVICES, INC.. RIGHT OF WAY BOUNDARY MUST BE FIELD VERIFIED BY A REGISTERED PROFESSIONAL LAND SURVEYOR TO ACCURATELY VERIFY FILE:

ALL O/S EOP

UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND FIELD OBSERVATIONS BUT ARE NOT NECESSARILY EXACT. IT IS THE CONTRACTORS RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES PRIOR TO CONSTRUCTION. COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.

5+67 R/L PI RT @ 18' O/S LT EDGE OF PAVEMENT STAR LAKE DR

5+23 EDGE OF PAVEMENT ROAD CROSSING STAR LAKE DR

5+07 CENTERLINE CULVERT 10' O/S LT EDGE OF PAVEMENT

5+50 EDGE OF PAVEMENT STAR LAKE DR

5+38 CENTERLINE



RIGHT OF WAY AND PROPERTY LINES PRIOR TO CONSTRUCTION.

MISSOURI CITY, TX FORT BEND COUNTY





PROJECT:

MISSOURI CITY, TX

STAR LAKE DR

TEO, LLC 5510 Community DRIVE Houston, Texas

77005 281-536-5123 OFFICE 713-668-6334 FAX teollc@gmail.com FIRM # F-8978



11/5.22-18 OMMUNICATIO

DATE: 5/21/18

ENGINEER:

DRAWN BY: G.F.S. (CLR) REVISIONS

No. DATE DESCRIPTION

CONTRACT, THESE DRAWINGS AND SPECIFICATION: SHALL REMAIN THE PROPERTY OF MC COMMUNICATIONS SERVICES INC. BOTH BEING SOUND IN STRICT CONFIDENCE AND SHALL NOT I TEPRODUCED, COPIED, OR USED FOR AN TURPOSE WITHOUT SPECIFIC WRITTEN PERMISSIO

SCALE

HORIZONTAL: 1"= 50"

VERTICAL: 1"= N/A

TO MP SHEET 7 OF 7

RIGHT OF WAY LINES WERE ESTABLISHED BY RESEARCH OF PUBLIC INFORMATION. NO BOUNDARY SURVEY OR PROPERTY LINE SURVEY WAS ESTABLISHED BY GOLDEN FIELD SERVICES, INC.. RIGHT OF WAY BOUNDARY MUST BE FIELD VERIFIED BY A REGISTERED PROFESSIONAL LAND SURVEYOR TO ACCURATELY VERIFY RIGHT OF WAY AND PROPERTY LINES PRIOR TO CONSTRUCTION.

GTE MARKER & HANDHOLE 20' O/S LT EDGE END FENCE 48' O/S LT EDGE OF PAVEMENT 12+00 PLACE 2X3 HANDHOLE 2' O/S ROW 12+12 CROSS BOX 22' O/S LT EDGE OF PAVEMENT BORE 1.5" HDPE W/ 1-24F CABLE 5 9 SEE SHEET

ALL O/S EOP

UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND FIELD OBSERVATIONS BUT ARE NOT NECESSARILY EXACT. IT IS THE CONTRACTORS RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES PRIOR TO CONSTRUCTION. COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.



