

# REVIEW BY FORT BEND COUNTY COMMISSIONERS COURT

122

On this 02 day of SEPTEMBER, 2014, Commissioners Court came on to be heard and reviewed the accompanying notice of ROCKPORT CONTRACTING, LLC. / FIBERLIGHT, LLC

Job Location SEVERAL COUNTY ROADS [SEE ATTACHMENT]

Dated 08/25/14 BOND NO. CMB-12697-00, Permit No. 84670 to make use of certain Fort Bend County property subject to, "A Revised 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, date the 3<sup>rd</sup> day of August, 1987, recorded in Volume \_\_\_\_\_ of the Minutes of the Commissioners Court of Fort Bend County, Texas, to the extent that such order is not inconsistent with Article 1436a, Vernon's Texas Civil Statutes. Upon Motion of Commissioner Meyers, seconded by Commissioner Patterson, duly put and carried, it is ORDERED, ADJUGED 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.

## 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

Mail notices to: Permit Administrator  
Fort Bend County Engineering  
301 JACKSON STREET  
RICHMOND, Texas 77469  
281-633-7500

3. This permit expires one (1) year from date of permit if construction has not commenced.

By [Signature]  
County Engineer

By N/A  
Drainage District Engineer/Manager

Presented to Commissioners Court and approved.

Recorded in Volume 9-2-14  
Minutes of Commissioners Court.

Clerk of Commissioners Court

By [Signature]  
Deputy

**PERFORMANCE BOND COVERING ALL CABLE, CONDUIT AND/OR POLE LINE  
ACTIVITY IN, UNDER, ACROSS OR ALONG FORT BEND COUNTY ROADS**

AUTHORIZED

BOND NO CMB-12697-00

THE STATE OF TEXAS           §  
                                  KNOW  
COUNTY OF FORT BEND       §

ALL MEN BY THESE PRESENTS:

          THAT WE, Rockport Contracting, LLC whose  
address is 1 Sugar Creek Center Blvd, Suite 1000 Sugar Land, TX, Texas hereinafter called the Principal,  
and Insurors Indemnity Company, a Corporation existing under and by virtue of  
the laws of the State of Texas and authorized to do an indemnifying business in the State of  
Texas, and whose principal office is located at 225 South 5th Street Waco, TX 76701, whose  
officer residing in the State of Texas, authorized to accept service in all suits and actions brought  
within said State is Texas and whose address is 225 South 5th Street Waco, TX 76701,  
hereinafter called the Surety, and held and firmly bound unto, Robert E. Hebert, County Judge  
of Fort Bend County, Texas, or his successors in office, in the full sum of Forty Thousand Dollars  
Dollars (\$ 40,000.00) current, lawful money of the United States of America, to be paid to said  
Robert E. Hebert, County Judge of Fort Bend County, Texas, or his successors in office, to which  
payment well and truly to be made and done, we, the undersigned, bind ourselves and each of us,  
our heirs, executors, administrators, successors, assigns, and legal representatives, jointly and  
severally, by these presents.

THE CONDITION OF THIS BOND IS SUCH THAT, WHEREAS, the above bounden  
principal contemplates laying, constructing, maintaining a nd/or repairing one or more cables,  
conduits, and/or pole lines in, un der, across and/or along roads, streets and highways in the  
County of Fort Bend, and the State of Texas, und er the jurisdiction of the Commissioners' Court  
of Fort Bend County, Texas, pursuant to the Commissioners' Court order adopted on the 1st day  
of December, A.D. 1980, recorded in Volume 13, of the Commis sioners' Court Minutes of Fort  
Bend County, Texas, regulating same, w hich Commissioners' Court order is hereby referred to  
and made a part hereof for all purposes as though fully set out herein;

AND WHEREAS, the principal desires to provide Fort Bend County with a performance  
bond covering all such cable, conduit and/or pole line activity;

NOW, THEREFORE, if the above bounden principal shall faithfully perform all its cable,  
conduit and/or pole line activity (including, but not limited to the laying, construction,  
maintenance and/or repair of cables, conduits and/or pole lines) in, under, across and/or along  
roads, streets and highways in the County of Fort Bend and State of Texas, under the  
jurisdiction of the Commissioners Court of Fort Bend County, Texas, pursuant to and in  
accordance with minimum requirements and conditions of the above mentioned Commissioners'  
Court order set forth and specified to be by said principal done and performed, at the time and  
in the manner therein specified, and shall pay over and make good and reimburse Fort Bend  
County, all loss and damages which Fort Bend Co unty may sustain by reason of any failure or  
default on the part of said principal, then this obligation shall be null and void, otherwise to  
remain in full force and effect.

This bond is payable at the County Courthouse in the County of Fort Bend and State of  
Texas.

It is understood that at any time Fort Bend County deems itself insecure under this bond,  
it may require further and/or additional bonds of the principal.

EXECUTED this 20th day of August, 2014.

Rockport Contracting, LLC  
PRINCIPAL

BY 

Insurors Indemnity Company  
SURETY

BY 

Justin McQuain, Attorney-In-Fact



# INSURORS INDEMNITY *Companies*

## POWER OF ATTORNEY of INSURORS INDEMNITY COMPANY Waco, Texas

KNOW ALL PERSONS BY THESE PRESENTS:

Number: CMB-12697-00

That INSURORS INDEMNITY COMPANY, Waco, Texas, organized and existing under the laws of the State of Texas, and authorized and licensed to do business in the State of Texas and the United States of America, does hereby make, constitute and appoint

Justin McQuain of the City of The Woodlands, State of TX

as Attorney In Fact, with full power and authority hereby conferred upon him to sign, execute, acknowledge and deliver for and on its behalf as Surety and as its act and deed, all of the following classes of document, to-wit:

Indemnity, Surety and Undertakings that may be desired by contract, or may be given in any action or proceeding in any court of law or equity; Indemnity in all cases where indemnity may be lawfully given and with full power and authority to execute consents and waivers to modify or change or extend any bond or document executed for this Company.

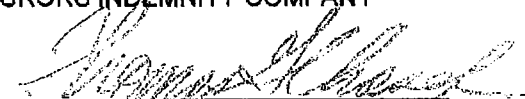
INSURORS INDEMNITY COMPANY

Attest:



Tammy Tieperman, Secretary

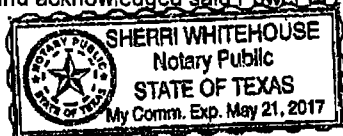
By:

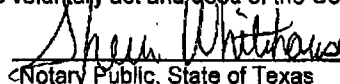


Thomas G. Chase, Jr, Chairman and CEO

State of Texas  
County of McLennan

On the 22nd day of January, 2014, before me a Notary Public in the State of Texas, personally appeared Thomas G. Chase, Jr. and Tammy Tieperman, who being by me duly sworn, acknowledged that they executed the above Power of Attorney in their capacities as Chairman and Chief Executive Officer, and Corporate Secretary, respectively, of Insurors Indemnity Company, and acknowledged said Power of Attorney to be the voluntary act and deed of the Company.



  
Notary Public, State of Texas

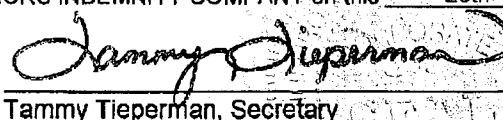
Insurors Indemnity Company certifies that this Power of Attorney is granted under and by authority of the following resolutions of the Company adopted by the Board of Directors on July 8, 2009:

RESOLVED, that all bonds, undertakings, contracts or other obligations may be executed in the name of the Company by persons appointed as Attorney in Fact pursuant to a Power of Attorney issued in accordance with these Resolutions. Said Power of Attorney shall be executed in the name and on behalf of the Company either by the Chairman and CEO or the President, under their respective designation. The signature of such officer and the seal of the Company may be affixed by facsimile to any Power of Attorney, and, unless subsequently revoked and subject to any limitation set forth therein, any such Power of Attorney or certificate bearing such facsimile signature and seal shall be valid and binding upon the Company and any such power so executed and certified by facsimile signature and seal shall be valid and binding upon the Company with respect to any bond or undertaking to which it is validly attached.

RESOLVED, that Attorneys In Fact shall have the power and authority, subject to the terms and limitations of the Power of Attorney issued to them, to execute and deliver on behalf of the Company and to attach the seal of the Company to any and all bonds and undertakings, and any such instrument executed by such Attorneys In Fact shall be binding upon the Company as if signed by an Executive Officer and sealed and attested to by the Secretary or Assistant Secretary of the Company.

I, Tammy Tieperman, Secretary of Insurors Indemnity Company, do hereby certify that the foregoing is a true excerpt from the Resolutions of the said Company as adopted by its Board of Directors on July 8, 2009, and that this Resolution is in full force and effect. I certify that the foregoing Power of Attorney is in full force and effect and has not been revoked.

In Witness Whereof, I have set my hand and the seal of INSURORS INDEMNITY COMPANY on this 20th day of August, 2014.

  
Tammy Tieperman, Secretary

NOTE: IF YOU HAVE ANY QUESTION REGARDING THE VALIDITY OR WORDING OF THIS POWER OF ATTORNEY, PLEASE CALL 800 933 7444 OR WRITE TO US AT P. O. BOX 2683, WACO, TEXAS 76702-2683 OR EMAIL US AT [CONFIRMATION@INSURORS.COM](mailto:CONFIRMATION@INSURORS.COM).

## IMPORTANT NOTICE - AVISO IMPORTANTE

To obtain information or make a complaint:

You may call Insurors Indemnity Company's toll-free telephone number for information or to make a complaint at:

1-800-933-7444

You may also write to Insurors Indemnity Company at:

P.O. Box 2683  
Waco, TX 76702-2683  
Or  
225 South Fifth Street  
Waco, TX 76701

You may contact the Texas Department of Insurance to obtain information on companies, coverages, rights or complaints at

1-800-252-3439

You may write the Texas Department of Insurance at:

P.O. Box 149104  
Austin, TX 78714-9104  
Fax: 512-475-1771

Web: <http://www.tdi.state.tx.us>

E-mail: [ConsumerProtection@tdi.state.tx.us](mailto:ConsumerProtection@tdi.state.tx.us)

### PREMIUM OR CLAIM DISPUTES:

Should you have a dispute concerning your premium or about a claim, you should contact the agent or the company first. If the dispute is not resolved, you may contact the Texas Department of Insurance.

### ATTACH THIS NOTICE TO YOUR POLICY:

This notice is for information only and does not become a part or condition of the attached document.

Para obtener informacion o para someter una queja:

Usted puede llamar al numero de telefono gratis de Insurors Indemnity Company's para informacion o para someter una queja al

1-800-933-7444

Usted tambien puede escribir a Insurors Indemnity Company:

P.O. Box 2683  
Waco, TX 76702-2683  
O  
225 South Fifth Street  
Waco, TX 76701

Puede comunicarse con el Departamento de Seguros de Texas para obtener informacion acerca de companias, coberturas, derechos o quejas al

1-800-252-3439

Puede escribir al Departamento de Seguros de Texas:

P.O. Box 149104  
Austin, TX 78714-9104  
Fax: 512-475-1771

Web: <http://www.tdi.state.tx.us>

E-mail: [ConsumerProtection@tdi.state.tx.us](mailto:ConsumerProtection@tdi.state.tx.us)

### DISPUTAS SOBRE PRIMAS O RECLAMOS:

Si tiene una disputa conceniente a su prima o a un reclamo, debe comunicarse con el agente o la compania primero. Si no se resuelve la disputa, puede entonces comunicarse con el departamento (TDI).

### UNA ESTE AVISO A SU POLIZA:

Este aviso es solo para proposito de informacion y no se convierte en parte o condicion del documento adjunto y esta dado para acatar con Section 2253.021 Government Code y Section 53.202, Property Code efectivo, Septiembre 1, 2001.

# COUNTY OF FORT BEND

## Engineering Department

301 JACKSON STREET  
RICHMOND, Texas 77469

Johnny Ortega  
Permit Administrator

1124 Blume Road  
Phone: (281) 633-7500

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

PERMIT NO. 084670

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.

- X (1) Complete Application Form.
- X a. Name of road, street, and/or drainage ditch affected.
- X b. Vicinity map showing course of direction.
- X c. Plans and specifications.

- X (2) Bond:
- District Attorney, approval when applicable.
- Perpetual bond currently posted.
- No.
- Amount
- X Performance bond submitted.
- No. CMB-12697-00
- Amount \$40,000.00
- Cashier's Check.
- No.
- Amount

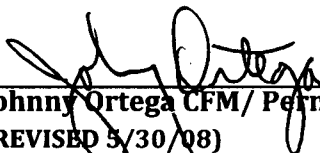
- (3) Verbal permission given for emergencies, to start construction before approved in Commissioner's Court.

         Precinct Engineer Acknowledgment          Date         

         Precinct Commissioner Acknowledgment          Date         

- (4)
- Drainage District Approval when applicable

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

  
Johnny Ortega CFM/ Permit Administrator  
(REVISED 5/30/08)

08/25/2014  
Date

**NOTICE OF PROPOSED CABLE, CONDUIT AND/OR POLE LINE ACTIVITY  
IN, UNDER, ACROSS OR ALONG ROADS, STREETS, HIGHWAYS AND DRAINAGE DITCHES  
IN FORT BEND COUNTY**

APPLICANT'S JOB NO. MTC2668  
 PERMIT No. 54670 PCT. No. 1  
 BOND No. CMB-12697-00

Formal notice is hereby given that Fiberlight, LLC  
 proposes to lay, construct, maintain and/or repair cable, conduit and/or pole line, in, under,  
 across, or along roads, streets, highways and drainage ditches in Fort Bend County, as follows:

**In, Under, or Across Roads and/or Drainage Ditches**

Road or Ditch Name	Distance & Direction From Nearest Intersection	Length of Crossing	Type of Construction Bored: Jacked: Driven: Cased

**Along Roads and/or Drainage Ditches**

Road or Ditch Name	Distance & Direction From Nearest Intersection	To	Distance
Beard RD/CR9	WolfGang RD	Brazoria County Line	Approx: 6,100 LF

**General Description**

Install underground Fiberoptic communications cable, from the intersection of Wolfgang RD and Beard R/CR9, east to the Brazoria County Line.

The Location and description of the proposed installation and appurtenances is more fully shown on the attached detail drawings. The laying, construction, maintenance and/or repair of the proposed installation shall be subject to "A Revised Order Regulating the Laying, Construction, Maintenance and/or Repair of Cables, Conduits, and/or 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 Commissioners Court of Fort Bend County, Texas, dated the 3rd. day of August, 1987, recorded in Volume 639 of the Minutes of the Commissioners Court of Fort Bend County, Texas.

Written notices are required: 1) 48 hours in advance of start of construction and  
 2) when construction is complete and ready for final inspection.

Mail to: Permit Administrator/Fort Bend County Engineering  
 P.O. Box 1449, Rosenberg, TX 77471.

Violation of requirements shall constitute grounds for job shut down.

Does project  
 comply with Fort  
 Bend County  
 Outdoor Lighting  
 Ordinance?

Yes ( )

No ( )

(NOT APPLICABLE)

COMPANY NAME: Fiberlight, LLC  
 AGENT and/or OWNER  
Ken Browning  
 (Signature)  
 NAME & TITLE Ken Browning  
 (Please Print)  
 DATE August 4, 2014  
 ADDRESS 5750 N. Sam Houston Parkway E  
 (Street/P.O. Box)  
Houston Texas 77032  
 City State Zip  
 TELEPHONE NO: 281-814-6222  
 (accessible 24 hrs/day, 7 days/week)



## **NOTICE OF COMMUNICATION LINE INSTALLATION**

Date: July 28, 2014

TO THE COMMISSIONER'S COURT OF Fort Bend County.

ATTENTION COUNTY JUDGE & COMMISSIONER'S COURT:

Formal notice is hereby given that FiberLight, LLC will construct a communication line within the Right-of -Way of a county road in Fort Bend County, Texas as follows:

Scope of work: The installation is to begin at the intersection of FM442 and Dipple Lehmann RD, installation continues to the north along Dipple Lehmann RD to Rosler RD. The installation continues to the east along Roesler RD, crossing US 36 (TxDOT Approved), continues east along Roesler RD to Padon RD. The installation continues to the south along Padon RD, crossing FM 1994 (TxDOT Approved). The installation continues to the south along Wolfgang RD to Barek RD. The installation continues north along Barek RD to Wolfgang RD. The installation continues east along Wolfgang RD to Beard Rd. The installation continues south along Beard RD to the Brazoria/Ft. Bend County Line.

Ref# MTC2668

The location and description of this line and associated appurtenances is more fully shown by a copy of the drawings attached to this notice. The line will be constructed and maintained on the County Road ROW in accordance with government laws.

Notwithstanding any other provisions contained herein, it is expressly understood that tender of this notice by Fiberlight, LLC does not constitute a waiver, surrender, abandonment or impairment of any property rights, franchise, easement, license, authority, permission, privilege or right now granted by law or which may be granted in the future and any/or provision(s) so constructed shall be null and void.

Construction of the line will begin on or after

Date: August 4, 2014

Fiberlight, LLC  
11700 Great Oaks Way  
Suite 100  
Alpharetta, GA 30022

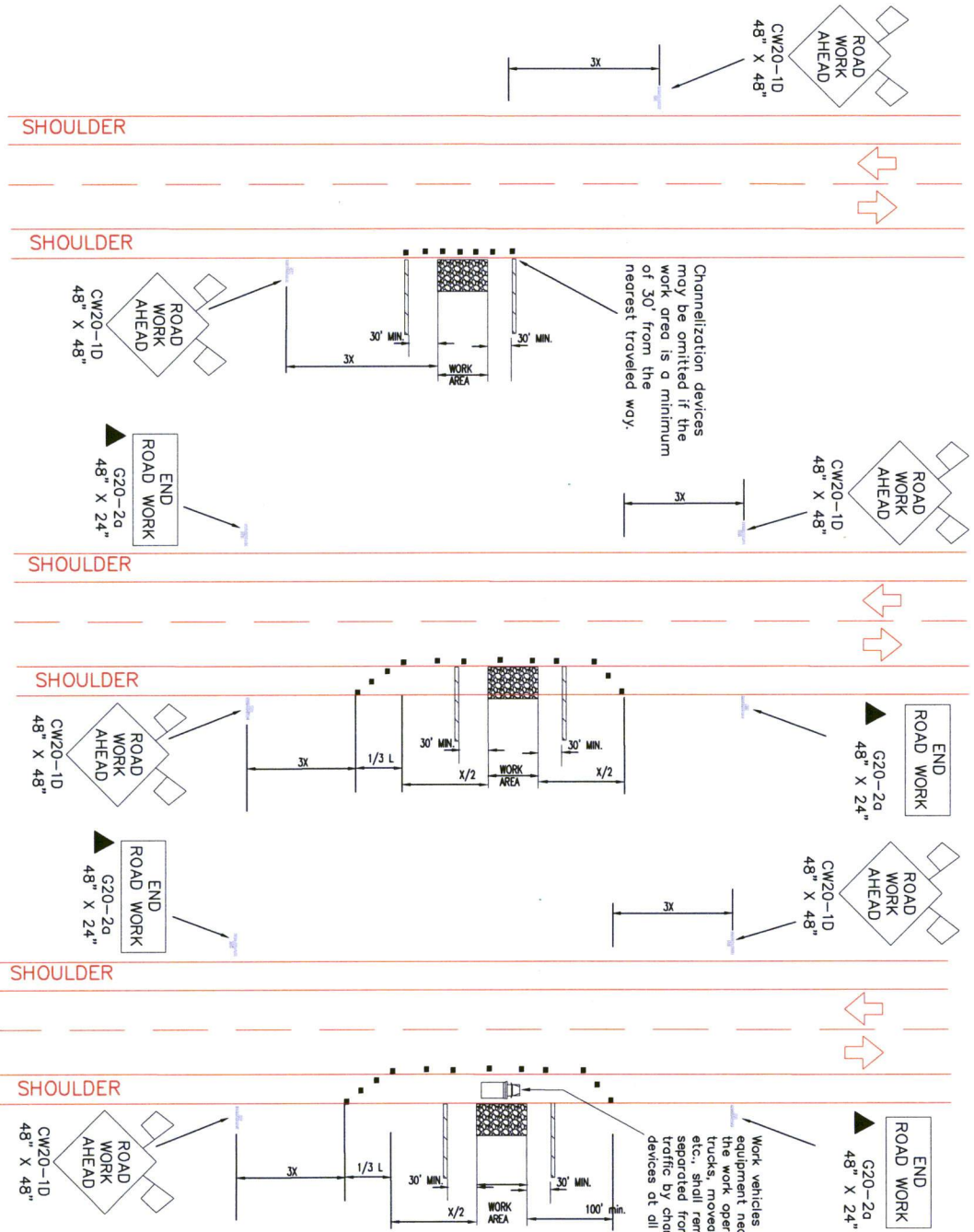
By: Mark Jensen – Sr. Project Manager  
Manweiler Telecom Consulting, Inc.  
(o) 303-805-5414  
(c) 720-300-7828  
(e) [mark@mtc-llc.com](mailto:mark@mtc-llc.com)

# TRAFFIC CONTROL PLAN

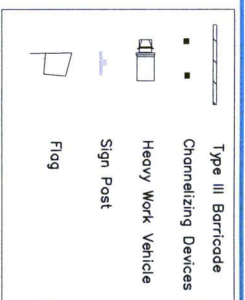
TCP (2-1a)  
Work Area Near Shoulder

TCP (2-1b)  
Work Area on Shoulder

TCP (2-1c)  
Work Vehicles on Shoulder



Posted Speed	Formula	Minimum Desirable Taper Lengths			Suggested Maximum Spacing of Device		Minimum Sign Spacing X Distance
		10' Offset	11' Offset	12' Offset	On a Taper	On a Tangent	
30	$L = \frac{WS^2}{60}$	150'	165'	180'	30'	60' - 75'	120'
35		205'	225'	245'	35'	70' - 90'	160'
40		265'	295'	320'	40'	80' - 100'	240'
45	L = WS	450'	495'	540'	45'	90' - 110'	320'
50		500'	550'	600'	50'	100' - 125'	400'
55		550'	605'	660'	55'	110' - 140'	500'
60		600'	660'	720'	60'	120' - 150'	600'
65		650'	715'	780'	65'	130' - 165'	700'
70		700'	770'	840'	70'	140' - 175'	800'



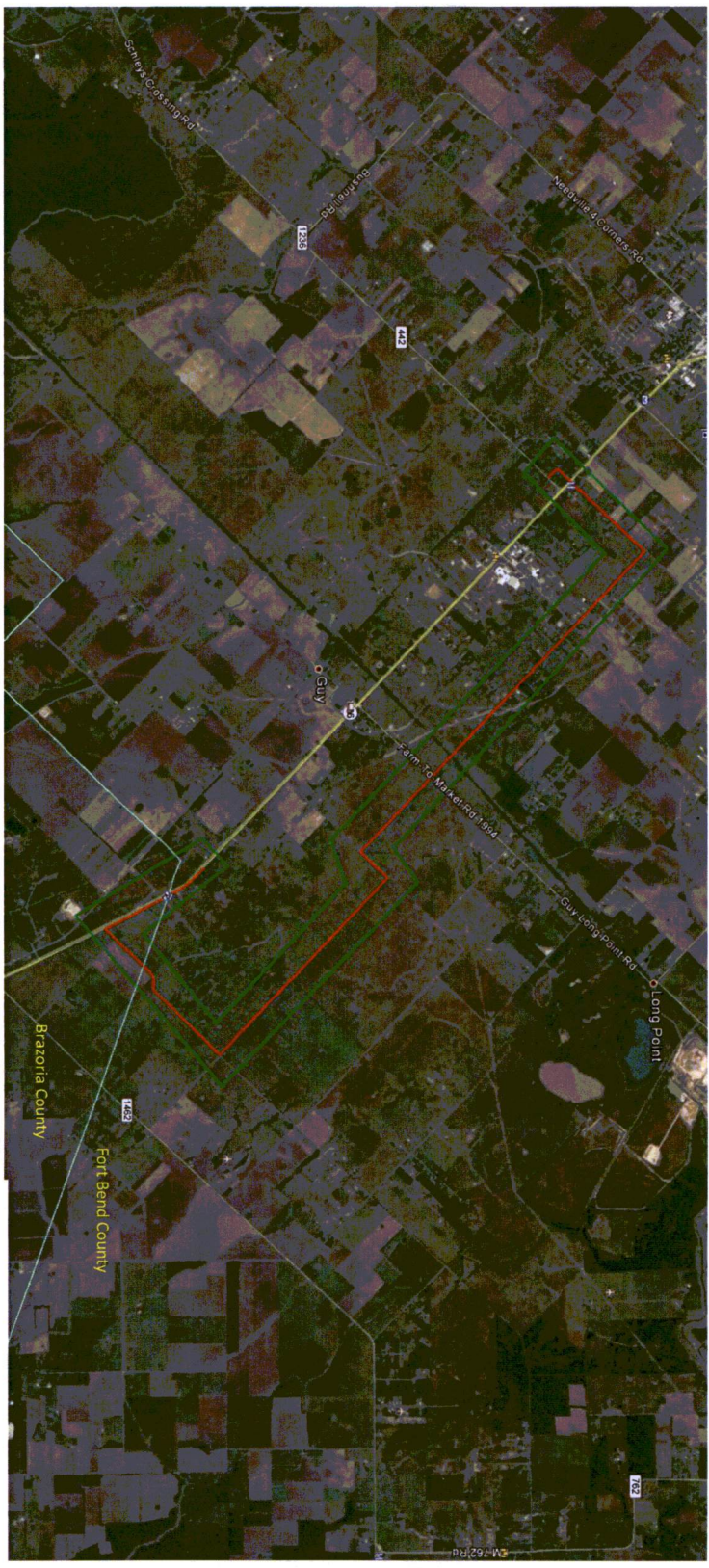
SHEET	OF
ROUTE	
EXCHANGE	
SERVICE AREA	
MAP REFERENCE	
COMPANY	PROJECT
CO.	SEC.
TAX.	TWN.
RNG.	
STKD BY:	DATE:
DATE:	REVISION:
BY:	
NOTES	
REVIEW DRAFT: KM	
FINAL DRAFT: KM	
DATE: 4/15/2014	
DESIGN: SR	
DRAFTED: SR	
CHECKED:	
OAO/C:	
SCALE: 1"=50'	
FiberLight	
ENGINEERING COMPANY:	
MTC MANWEILER	
TELECOM CONSULTING, INC.	
12625 E. Euclid	
Centennial, CO 80111	
Tel: 720-344-5577	



8/14/14



City: Guy, TX      County: Fort Bend; Brazoria  
LATITUDE: N 29.376144°      LONGITUDE: W -95.814334°      SEGMENT: MTC2668



**CONSTRUCTION NOTES:**

1. For underground construction, install two (2) 1.25" HDPE SDR11, and one (1) 144 FOC

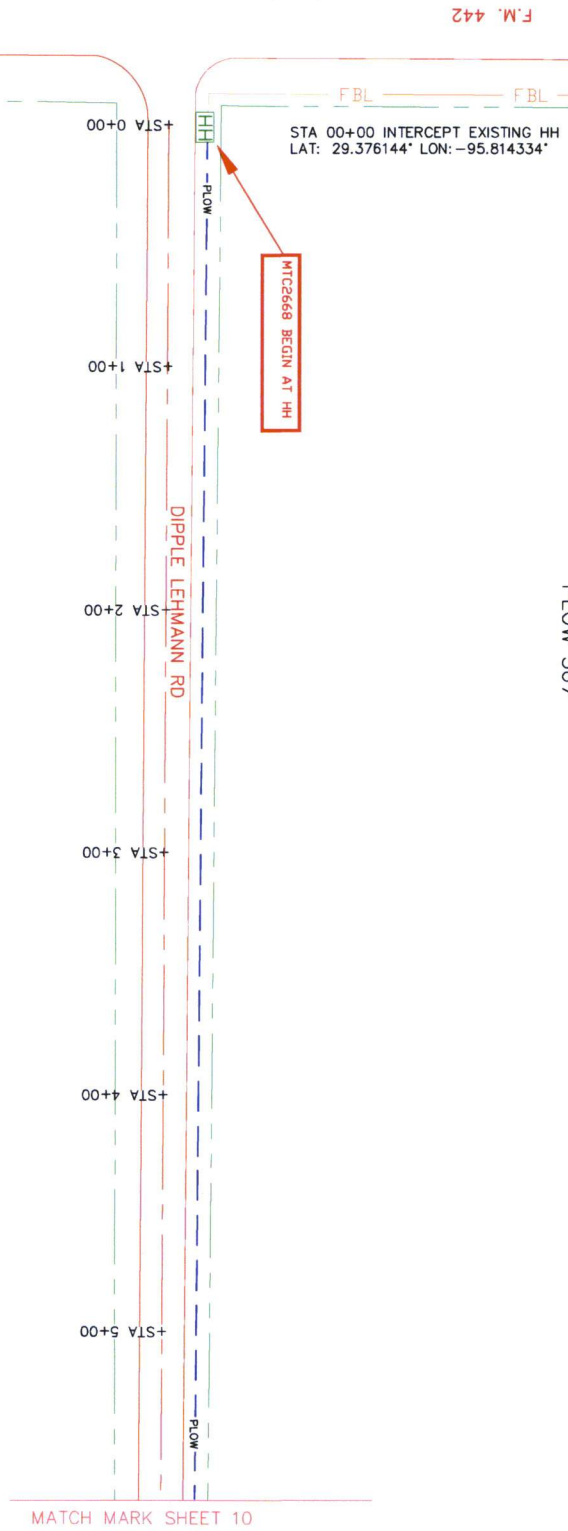
**UNDERGROUND: 57,291 FEET**

**LEGEND**



- GREEN = PROJECT AREA
- BLUE = AERIAL CONSTRUCTION
- RED = UNDERGROUND CONSTRUCTION

**MTC MANWEILER**  
TELECOM CONSULTING, INC.  
Engineering, Design, Consulting, Construction Management  
12625 E. Euclid, Centennial, CO 80111  
Tel: 720-344-5577

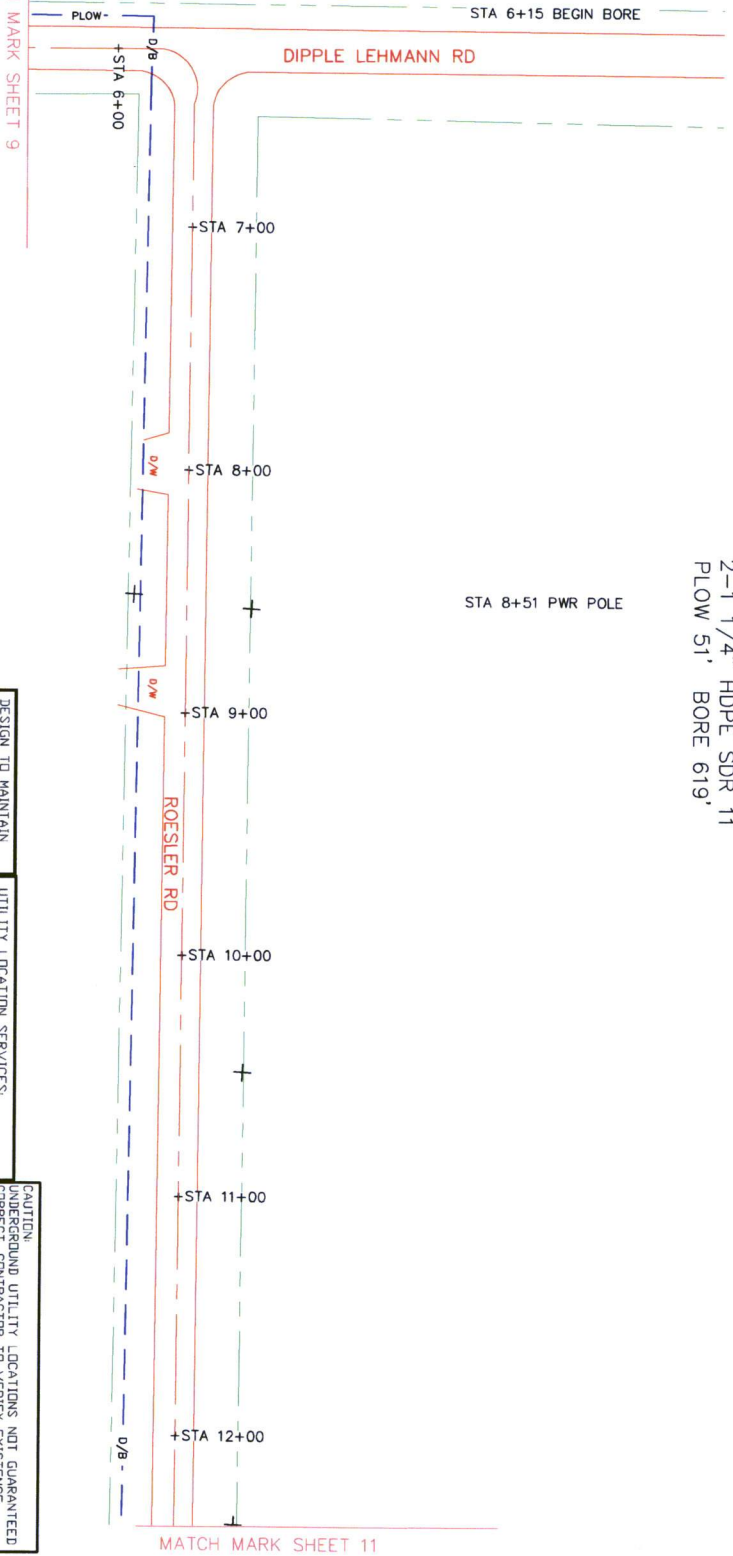
2-1 1/4" HDPE SDR 11  
FLOW 567'

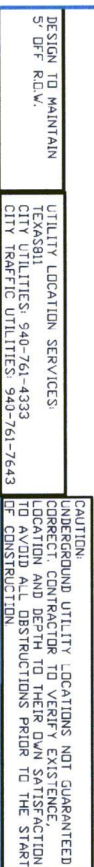


DESIGN TO MAINTAIN 5' OFF R.L.W.		UTILITY LOCATION SERVICES TEXAS811 CITY UTILITIES: 940-761-4333 CITY TRAFFIC UTILITIES: 940-761-7643		CAUTION: UNDERGROUND UTILITY LOCATIONS NOT GUARANTEED CORRECT CONTRACTOR TO VERIFY EXISTENCE, LOCATION AND DEPTH TO THEIR OWN SATISFACTION TO AVOID ALL OBSTRUCTIONS PRIOR TO THE START OF CONSTRUCTION	
DEPTH		PROFILE			
1'-0"					
2'-0"					
3'-0"					
4'-0"					
5'-0"					
TOTAL					

SHEET	9	OF	96
ROUTE EXCHANGE SERVICE AREA MAP REFERENCE COMPANY PROJECT			
		MTC2668 CO. SEC. TOWN. RANG. TAX:	
STKD BY:	DATE:	BY	
DATE	REVISION		
NOTES REVIEW DRAFT: KM FINAL DRAFT: KM			
DATE: 8/14/2014 DESIGN: SR DRAFTER: SR CHECKED: QA/QC:			
SCALE: 1"=50' 			
			
ENGINEERING COMPANY: 12625 E. Euclid Centennial, CO 80111 Tel: 720-344-5577			



[illegible][illegible]



NOTES

REVIEW DRAFT: KM

FINAL DRAFT: KM

DATE: 8/14/2014

DESIGN: SR


DRAFTED: SR


CHECKED:

QA/QC:

SCALE: 1"=50'

ENGINEERING COMPANY:

 FIBERLIGHT

 MTC MANWEILER  
TELECOM CONSULTING, INC.

12625 E. Euclid  
Garden Hill, CO 80111  
Tel: 720-544-5577



INSTALL ONE (1) 144-COUNT FIBER OPTIC CABLE  
2-1 1/4" HDPE SDR 11  
BORE 669'



CAUTION: UNDERGROUND UTILITY LOCATIONS NOT GUARANTEED CORRECT. CONTRACTOR TO VERIFY EXISTENCE, LOCATION AND DEPTH TO THEIR OWN SATISFACTION TO AVOID ALL DESTRUCTIONS PRIOR TO THE START OF CONSTRUCTION.


TOTAL

Tel: 720-344-5577

SEC. . . . .  
TWN. . . . .  
RNG. . . . .  
TAX: . . . . .

STKD BY:	DATE:
DATE	REVISION
	BY

REVIEW DRAFT: KM  
FINAL DRAFT: KM

DESIGN: SR  
DRAFTED: SR

SCALE: 1"=50'






**ITC MANWEILER**  
TELECOM CONSULTING, INC.

12625 E. Euclid  
Centennial, CO 80111  
Tel: 720-344-5577

INSTALL ONE (1) 144-COUNT FIBER OPTIC CABLE  
2-1 1/4" HDPE SDR 11  
BORE 667'






DESIGN TO MAINTAIN 5' OFF R.O.W.		UTILITY LOCATION SERVICES: TEXAS811 CITY UTILITIES: 940-761-4333 CITY TRAFFIC UTILITIES: 940-761-7643	CAUTION: UNDERGROUND UTILITY LOCATIONS NOT GUARANTEED CORRECT. CONTRACTOR TO VERIFY EXISTENCE, LOCATION AND DEPTH TO THEIR OWN SATISFACTION TO AVOID ALL OBSTRUCTIONS PRIOR TO THE START OF CONSTRUCTION
DEPTH		PROFILE	
1'-0"			
2'-0"			
3'-0"			
4'-0"			
5'-0"			
TOTAL			

SHEET	13	OF	96
ROUTE			
EXCHANGE			
SERVICE AREA			
MAP REFERENCE			
COMPANY			
PROJECT	MTC2668		
	CO.		
	SEC.		
	TWN.		
	RNG.		
TAX.			
STKD BY:	DATE:		
DATE	REVISION	BY	
<div>NOTES</div> <div>REVIEW DRAFT: KM</div> <div>FINAL DRAFT: KM</div>			
SCALE: 1"=50'			
			
ENGINEERING COMPANY:			
 <b>MANWEILER</b> TELICOM CONSULTING, INC. 12625E Euclid Centennial, CO 80111 Tel: 720-544-5577			



INSTALL ONE (1) 144-COUNT FIBER OPTIC CABLE  
2-1 1/4" HDPE SDR 11  
BORE 673'



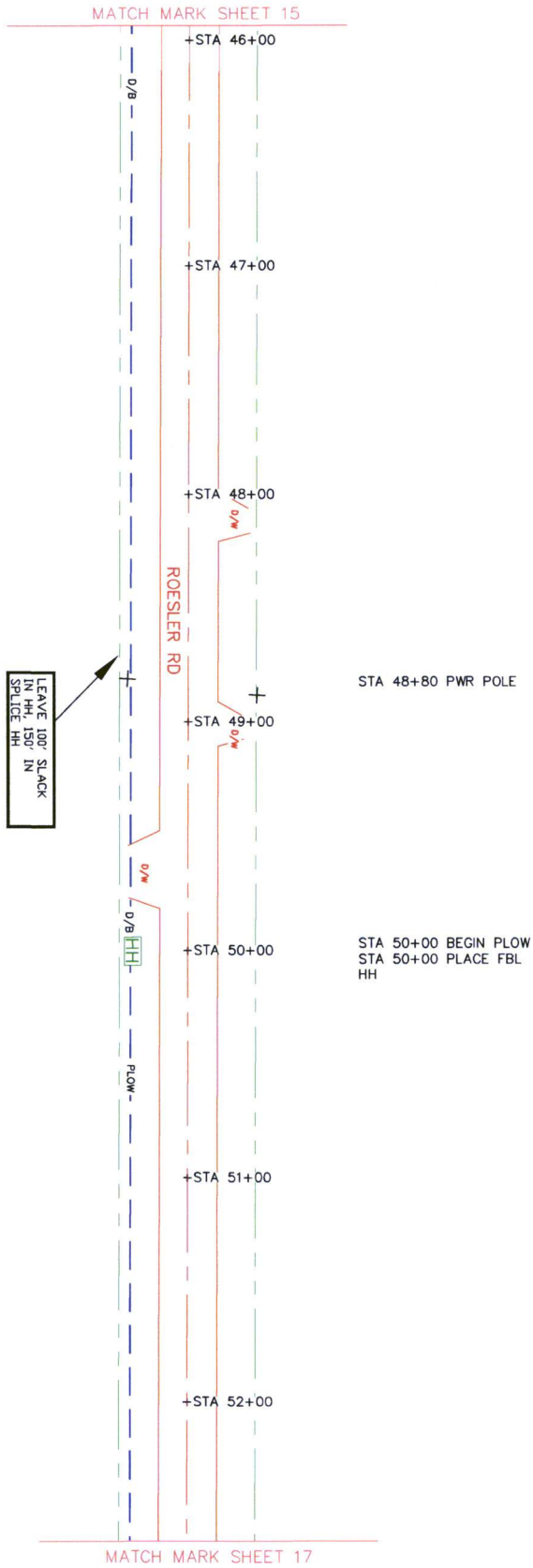
SHEET	14	OF	96
ROUTE			
EXCHANGE			
SERVICE AREA			
MAP REFERENCE			
COMPANY			
PROJECT	MTC2668		
	CO.		
	SEC.		
	TWN.		
	RNG.		
TAX.			
STKD BY:	DATE:	BY	
DATE	REVISION		
NOTES			
REVIEW DRAFT: KM			
FINAL DRAFT: KM			
DATE: 8/14/2014 DESIGN: SR DRAFTED: SR CHECKED: QA/QC:			
SCALE: 1"=50'			
			
ENGINEERING COMPANY:			
			
12625 E. Euclid Centennial, CO 80111 Tel: 720-344-5577			

INSTALL ONE (1) 144-COUNT FIBER OPTIC CABLE  
2-1 1/4" HDPE SDR 11  
BORE 663'



SHEET 15 OF 96	
ROUTE	
EXCHANGE	
SERVICE AREA	
MAP REFERENCE	
COMPANY	
PROJECT	
MTC2668	
CO.	
SEC.	
TMN.	
RNG.	
TAX.	
STKD BY:	DATE:
DATE:	REVISION:
BY:	
NOTES	
REVIEW DRAFT: KM	
FINAL DRAFT: KM	
DATE: 8/14/2014	
DESIGN: SR	
DRAFTED: SR	
CHECKED:	
QA/QC:	
SCALE: 1"=50'	
ENGINEERING COMPANY:	
	
	
TELECOM CONSULTING, INC.	
12625 E. Furdid	
Centennial, CO 80111	
Tel: 720-344-5577	





DESIGN TO MAINTAIN 5' OFF R.C.W.		UTILITY LOCATION SERVICES: TEXAS811 CITY UTILITIES: 940-761-4333 CITY TRAFFIC UTILITIES: 940-761-7643	CAUTION: UNDERGROUND UTILITY LOCATIONS NOT GUARANTEED CORRECT. CONTRACTOR TO VERIFY EXISTENCE, LOCATION AND DEPTH TO THEIR OWN SATISFACTION TO AVOID ALL OBSTRUCTIONS PRIOR TO THE START OF CONSTRUCTION
DEPTH		PROFILE	
1' 0"			
2' 0"			
3' 0"			
4' 0"			
5' 0"			
TOTAL			

INSTALL ONE (1) 144-COUNT FIBER OPTIC CABLE  
2-1 1/4" HDPE SDR 11  
PLOW 667'

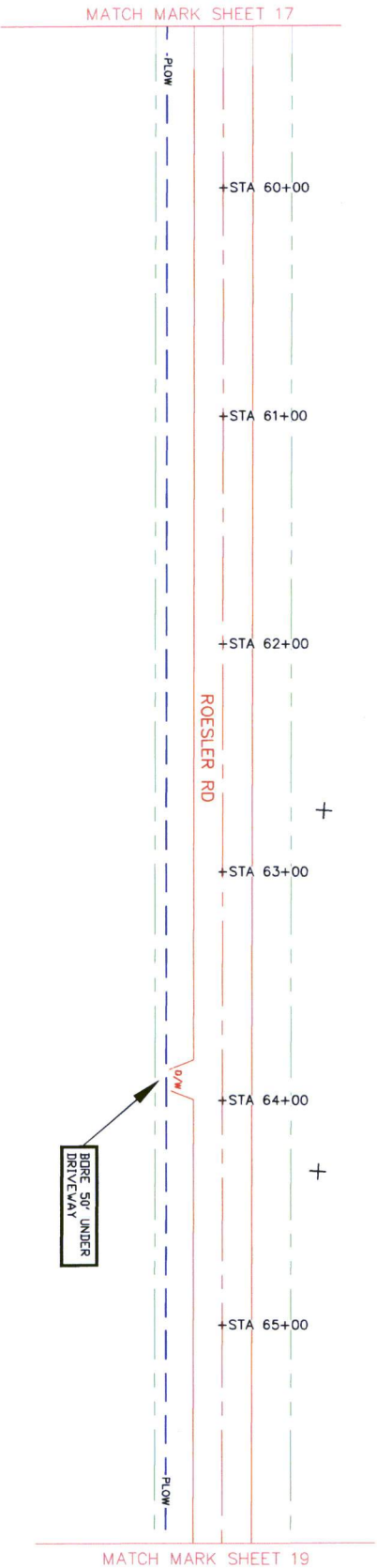


DESIGN TO MAINTAIN S.D.F. R.O.V.		UTILITY LOCATION SERVICES: TEXAS811 CITY UTILITIES: 940-761-4333 CITY TRAFFIC UTILITIES: 940-761-7643		CAUTION: UNDERGROUND UTILITY LOCATIONS NOT GUARANTEED CORRECT CONTRACTOR TO VERIFY EXISTENCE, LOCATION AND DEPTH TO THEIR OWN SATISFACTION TO AVOID ALL OBSTRUCTIONS PRIOR TO THE START OF CONSTRUCTION	
DEPTH					
1' 0"					
2' 0"					
3' 0"					
4' 0"					
5' 0"					
TOTAL					

SHEET		17	OF	96
ROUTE				
EXCHANGE				
SERVICE AREA				
MAP REFERENCE				
COMPANY				
PROJECT	MTG2668			
CO.		SEC.		
TAX.		TMN.		
RNG.				
STD. BY:		DATE:		
DATE:	REVISION	BY		
NOTES				
REVIEW DRAFT: KM				
FINAL DRAFT: KM				
SCALE: 1"=50'				
DATE: 8/14/2014				
DESIGN: SR				
DRAFTED: SR				
CHECKED:				
QA/QC:				
Fiberlight				
ENGINEERING COMPANY:				
				
TELECOM CONSULTING, INC.				
13625 E. Euclid				
Centennial, CO 80111				
Tel: 720-344-5577				



INSTALL ONE (1) 144-COUNT FIBER OPTIC CABLE  
2-1 1/4" HDPE SDR 11  
PLOW 616' BORE 50'

[illegible]

## PROFILE




DESIGN TO MAINTAIN  
5' OFF R.D.W.

UTILITY LOCATION SERVICES:  
TEXAS811  
CITY UTILITIES: 940-761-4333  
CITY TRAFFIC UTILITIES: 940-761-7643

**CAUTION:**

UNDERGROUND UTILITY LOCATIONS NOT GUARANTEED  
CORRECT. CONTRACTOR TO VERIFY EXISTENCE,  
LOCATION AND DEPTH TO THEIR OWN SATISFACTION  
TO AVOID ALL DESTRUCTIONS PRIOR TO THE START  
OF CONSTRUCTION.

BORE 50' UNDER  
DRIVEWAY

SHEET	18	OF	96
ROUTE			
EXCHANGE			
SERVICE AREA			
MAP REFERENCE			
COMPANY			
PROJECT	MTC2668		
	CO.		
	SEC.		
	TWN.		
	RNG.		
TAX:			
STD. BY:	DATE:		BY:
DATE	REVISION		
<div>NOTES</div> <div>REVIEW DRAFT: KM</div> <div>FINAL DRAFT: KM</div>			
<div>DATE: 8/14/2014</div> <div>DESIGN: SR</div> <div>DRAFTED: SR</div> <div>CHECKED:</div> <div>QA/QC:</div>			
SCALE: 1"=50'			
			
			
ENGINEERING COMPANY:			
12625 E. Euclid Centennial, CO 80111 Tel: 720-344-5577			

INSTALL ONE (1) 144-COUNT FIBER OPTIC CABLE  
2-1 1/4" HDPE SDR 11  
PLOW 196' BORE 230'



SHEET	19	OF	96
ROUTE			
EXCHANGE			
SERVICE AREA			
MAP REFERENCE			
COMPANY			
PROJECT			
MTC2668			
			
CO.	SEC.	TWN.	RNG.
TAX:			
STKD BY:	DATE:	BY	
DATE	REVISION		
NOTES			
REVIEW DRAFT: KM			
FINAL DRAFT: KM			
DATE: 8/14/2014			
DESIGN: SR			
DRAFTED: SR			
CHECKED:			
QA/QC:			
SCALE: 1"=50'			
ENGINEERING COMPANY:			
			
12625 E. Tuedi Centennial, CO 80111 Tel: 720-344-5577			




INSTALL ONE (1) 144-COUNT FIBER OPTIC CABLE  
2-1 1/4" HDPE SDR 11  
FLOW 667'




DESIGN TO MAINTAIN S.D.F. R.O.W.		UTILITY LOCATION SERVICES: TEXASBI CITY UTILITIES: 940-761-4333 CITY TRAFFIC UTILITIES: 940-761-7643	
		CAUTION: UNDERGROUND UTILITY LOCATIONS NOT GUARANTEED. CORRECT CONTRACTOR TO VERIFY EXISTENCE, LOCATION AND DEPTH TO THEIR OWN SATISFACTION TO AVOID ALL DESTRUCTIONS PRIOR TO THE START OF CONSTRUCTION	
DEPTH		PROFILE	
1' 0"			
2' 0"			
3' 0"			
4' 0"			
5' 0"			
TOTAL			

DATE: 8/14/2014	
DESIGN: SR	
DRAFTED: SR	
CHECKED:	
QA/QC:	
SCALE: 1"=50'	



ENGINEERING COMPANY:



**MTC MANWEILER**  
TELECOM CONSULTING, INC.

12625 E. Euclid  
Centennial, CO 80111  
Tel: 720-344-5577




INSTALL ONE (1) 144-COUNT FIBER OPTIC CABLE  
2-1 1/4" HDPE SDR 11  
FLOW 667'

[illegible]



INSTALL ONE (1) 144-COUNT FIBER OPTIC CABLE  
2-1 1/4" HDPE SDR 11  
FLOW 671'

[illegible]

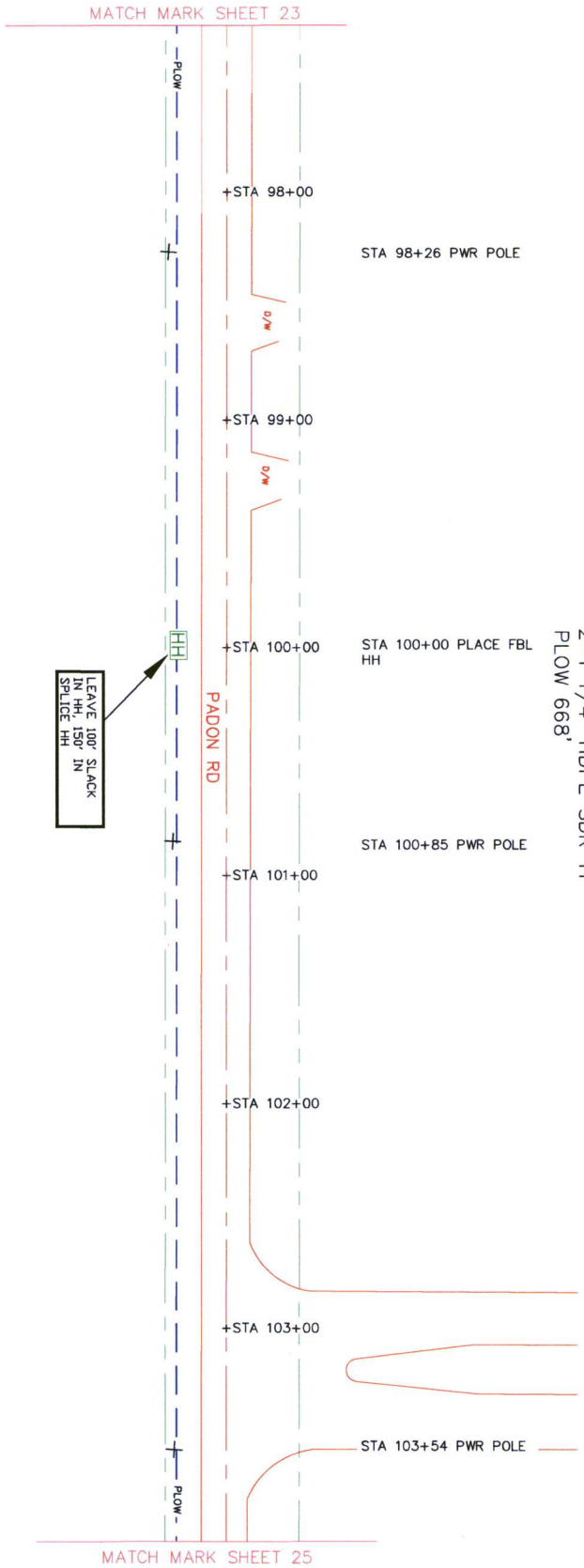
SHEET	22	OF	96
ROUTE	EXCHANGE		
SERVICE AREA			
MAP REFERENCE			
COMPANY	PROJECT		
	MTG2668		
			
CO.	SEC.	TMN.	RNG.
TAX:			
STD BY:	DATE:		
DATE	REVISION	BY	
<div> <div>NOTES</div> <div> REVIEW DRAFT: KM  FINAL DRAFT: KM </div> </div>			
<div> <div>DATE: 8/14/2014</div> <div>DESIGN: SR</div> <div>DRAFTED: SR</div> <div>CHECKED:</div> <div>QA/QC:</div> </div>			
SCALE: 1"=50'			
			
ENGINEERING COMPANY:			
			
12625 E. Euclid Centennial, CO 80111 Tel: 720-344-5577			

INSTALL ONE (1) 144-COUNT FIBER OPTIC CABLE  
2-1 1/4" HDPE SDR 11  
PLOW 617' BORE 50'

[illegible]



INSTALL ONE (1) 144-COUNT FIBER OPTIC CABLE  
2-1 1/4" HDPE SDR 11  
FLOW 668'



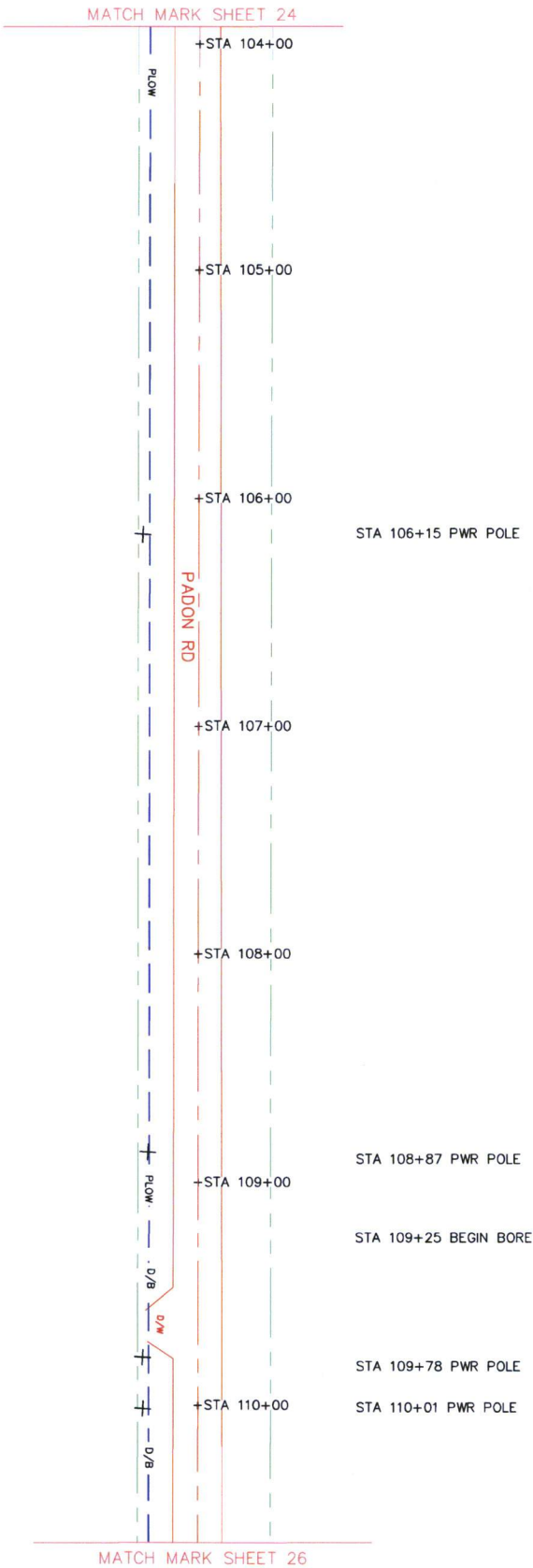
DESIGN TO MAINTAIN 5' DFT R.L.W.	UTILITY LOCATION SERVICES: TEXAS811 CITY UTILITIES: 940-761-4333 CITY TRAFFIC UTILITIES: 940-761-7643	CAUTION: UNDERGROUND UTILITY LOCATIONS NOT GUARANTEED CORRECT. CONTRACTOR TO VERIFY EXISTENCE, LOCATION AND DEPTH TO THEIR OWN SATISFACTION TO AVOID ALL DESTRUCTIONS PRIOR TO THE START OF CONSTRUCTION.
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## PROFILE

	DEPTH
1' 0"	
2' 0"	
3' 0"	
4' 0"	
5' 0"	
TOTAL	

INSTALL ONE (1) 144-COUNT FIBER OPTIC CABLE  
2-1 1/4" HDPE SDR 11  
FLOW 534' BORE 133'

2-1 1/4" HDPE SDR 11  
PLOW 534' BORE 133'



DESIGN TO MAINTAIN 5' OFF R.E.M.	UTILITY LOCATION SERVICES: TEXAS811 CITY UTILITIES: 940-761-4333 CITY TRAFFIC UTILITIES: 940-761-7643	CAUTION: UNDERGROUND UTILITY LOCATIONS NOT GUARANTEED CORRECT. CONTRACTOR TO VERIFY EXISTENCE, LOCATION AND DEPTH TO THEIR OWN SATISFACTION TO AVOID ALL OBSTRUCTIONS PRIOR TO THE START OF CONSTRUCTION
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## PROFILE

[illegible]


SHEET	25	OF	96
ROUTE			
EXCHANGE			
SERVICE AREA			
MAP REFERENCE			
COMPANY			
PROJECT			
MTC2668			
			
CO.			
SEC.			
TWN.			
RNG.			
TAX:			
STKD BY:	DATE:	BY	
DATE	REVISION		
NOTES			
REVIEW DRAFT: KM			
FINAL DRAFT: KM			
DATE: 8/14/2014			
DESIGN: SR			
DRAFTED: SR			
CHECKED:			
QA/QC:			
SCALE: 1"=60'			
FIBERlight			
ENGINEERING COMPANY:			
			
12625 E. Tuclid Centennial, CO 80111 Tel: 720-344-5577			



INSTALL ONE (1) 144-COUNT FIBER OPTIC CABLE  
2-1 1/4" HDPE SDR 11  
BORE 664'




DESIGN TO MAINTAIN S.D.F. R.O.V.		UTILITY LOCATION SERVICES: TEXASBII CITY UTILITIES: 940-761-4333 CITY TRAFFIC UTILITIES: 940-761-7643		CAUTION: UNDERGROUND UTILITY LOCATIONS NOT GUARANTEED CORRECT CONTRACTOR TO VERIFY EXISTENCE, LOCATION AND DEPTH TO THEIR OWN SATISFACTION TO AVOID ALL OBSTRUCTIONS PRIOR TO THE START OF CONSTRUCTION	
DEPTH		PROFILE			
1' 0"					
2' 0"					
3' 0"					
4' 0"					
5' 0"					
TOTAL					



SCALE: 1"=50'

ENGINEERING COMPANY:

**MTC MANWEILER**  
TELECOM CONSULTING, INC.

12625 E. Euclid  
Centennial, CO 80011  
Tel: 720-344-5577

DATE: 8/14/2014

DESIGN: SR

DRAFTED: SR

CHECKED:

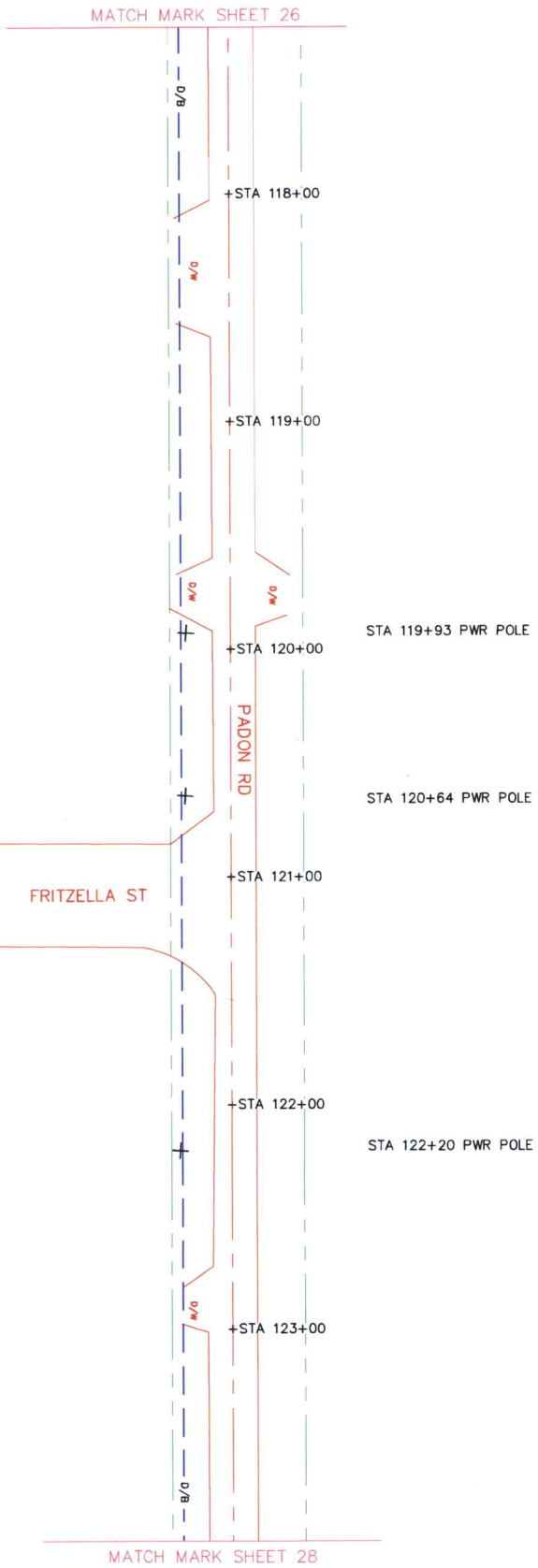
QA/QC:

**ENGINEERING COMPANY:**

**MTC MANWEILER**  
TELECOM CONSULTING, INC.




12625 E. Euclid  
Centennial, CO 80111  
Tel: 720-344-5577

INSTALL ONE (1) 144-COUNT FIBER OPTIC CABLE  
2-1 1/4" HDPE SDR 11  
BORE 669'

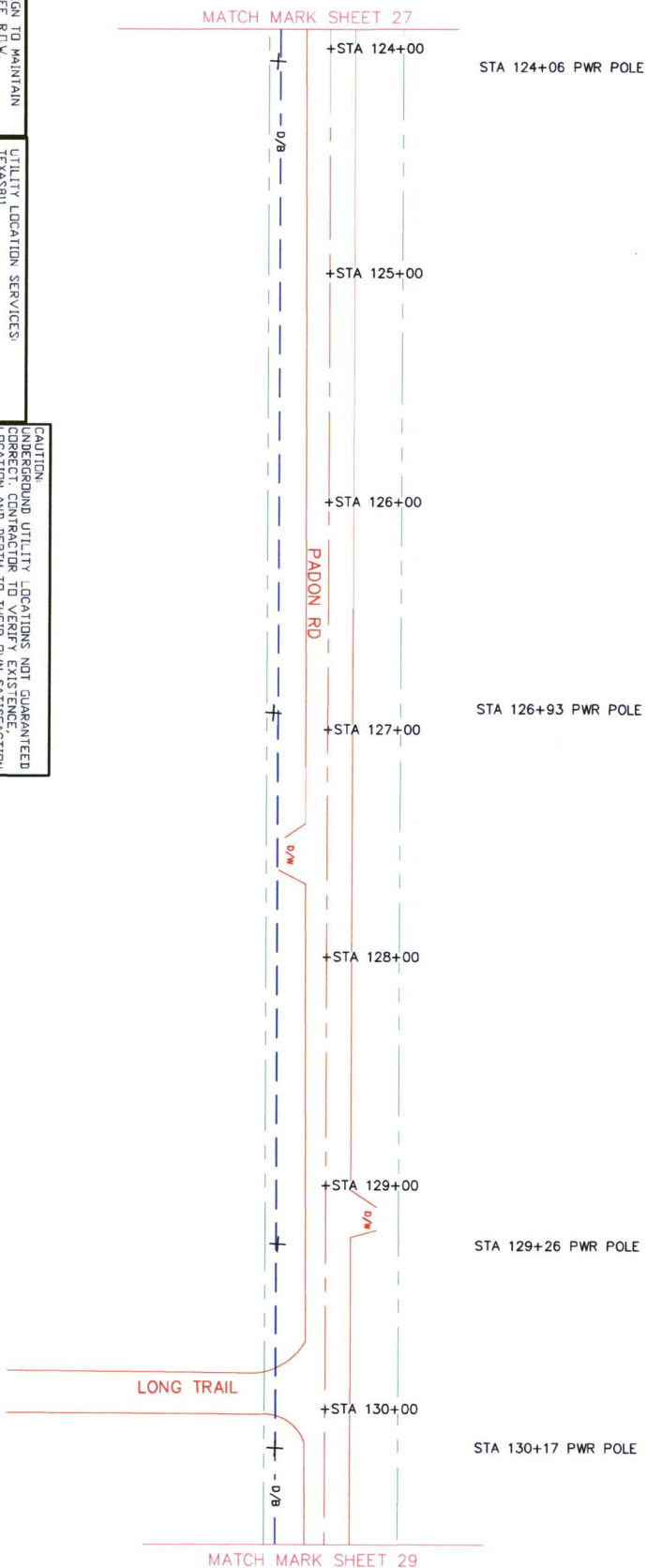


DESIGN TO MAINTAIN 5' DFF R.O.W.		UTILITY LOCATION SERVICES: TEXAS811 CITY UTILITIES: 940-761-4333 CITY TRAFFIC UTILITIES: 940-761-7643		CAUTION: UNDERGROUND UTILITY LOCATIONS NOT GUARANTEED CORRECT CONTRACTOR TO VERIFY EXISTENCE, LOCATION AND DEPTH TO THEIR OWN SATISFACTION TO AVOID ALL OBSTRUCTIONS PRIOR TO THE START OF CONSTRUCTION	
DEPTH					
1' 0"					
2' 0"					
3' 0"					
4' 0"					
5' 0"					
TOTAL					

[illegible]



SHEET	27	OF	96
ROUTE			
EXCHANGE			
SERVICE AREA			
MAP REFERENCE			
COMPANY			
PROJECT	MTC2668		
	CO.		
	SEC.		
	TWN.		
	RNG.		
TAX.			
STKD BY:	DATE:	BY	
DATE:	REVISION		
NOTES			
REVIEW DRAFT: KM			
FINAL DRAFT: KM			
DATE: 8/14/2014			
DESIGN: SR			
DRAFTED: SR			
CHECKED:			
QA/QC:			
SCALE: 1"=50'			
			
ENGINEERING COMPANY:			
			
TELECOM CONSULTING, INC.			
12625 E. Euclid			
Greeley, CO 80111			
Tel: 720-944-5577			





DESIGN TO MAINTAIN 5' OFF R.O.V.		UTILITY LOCATION SERVICES: TEXAS811 CITY UTILITIES: 940-761-4333 CITY TRAFFIC UTILITIES: 940-761-7643		CAUTION: UNDERGROUND UTILITY LOCATIONS NOT GUARANTEED CORRECT. CONTRACTOR TO VERIFY EXISTENCE, LOCATION AND DEPTH TO THEIR OWN SATISFACTION TO AVOID ALL DESTRUCTIONS PRIOR TO THE START OF CONSTRUCTION	
DEPTH					
1' 0"					
2' 0"					
3' 0"					
4' 0"					
5' 0"					
TOTAL					

[illegible]




SHEET		28	OF	96
ROUTE				
EXCHANGE				
SERVICE AREA				
MAP REFERENCE				
COMPANY				
PROJECT		MT2668		
		CO.		
		SEC.		
		TWN.		
		RNG.		
TAX:				
STXD BY:	DATE:			
DATE	REVISION	BY		
<div>NOTES</div> <div>REVIEW DRAFT: KM</div> <div>FINAL DRAFT: KM</div>				
SCALE: 1"=50'				
<div>Fiberlight</div>				
ENGINEERING COMPANY:				
<div> <b>MTC MANWEILER</b> TELECOM CONSULTING, INC.</div>				
12625 E. Euclid Centennial, CO 80111 tel: 720-344-5577				

INSTALL ONE (1) 144-COUNT FIBER OPTIC CABLE  
2-1 1/4" HDPE SDR 11  
BORE 664'



## PROFILE




[illegible]

SHEET	29	OF	96
ROUTE			
EXCHANGE			
SERVICE AREA			
MAP REFERENCE			
COMPANY			
PROJECT	MTC2668		
	CO.		
	SEC.		
	TWN.		
	RNG.		
TAX.			
STXD BY:	DATE:		
DATE	REVISION	BY	
<div>NOTES</div> <div>REVIEW/DRAFT: KM</div> <div>FINAL DRAFT: KM</div>			
<div>DATE: 8/14/2014</div> <div>DESIGN: SR</div> <div>DRAFTED: SR</div> <div>CHECKED:</div> <div>QA/QC:</div>			
SCALE: 1"=60'			
			
ENGINEERING COMPANY:			
			
12625 E. Euclid Centennial, CO 80111 Tel: 720-344-5577			



INSTALL ONE (1) 144-COUNT FIBER OPTIC CABLE  
2-1 1/4" HDPE SDR 11  
BORE 669'



SHEET	30	OF	96
ROUTE			
EXCHANGE			
SERVICE AREA			
MAP REFERENCE			
COMPANY			
PROJECT	MTC2668		
	CO.		
	SEC.		
	TWN.		
	RNG.		
TAX:			
STKD BY:	DATE:	BY:	
DATE	REVISION		
<div>NOTES</div> <div>REVIEW DRAFT: KM</div> <div>FINAL DRAFT: KM</div>			
<div>DATE: 8/14/2014</div> <div>DESIGN: SR</div> <div>DRAFTED: SR</div> <div>CHECKED:</div> <div>QA/QC:</div>			
SCALE: 1"=50'			
			
			
12625 E. Euclid Centennial, CO 80111 Tel: 720-344-5577			





INSTALL ONE (1) 144-COUNT FIBER OPTIC CABLE  
2-1 1/4" HDPE SDR 11  
BORE 591' PLOW 75'



**CAUTION:** UNDERGROUND UTILITY LOCATIONS NOT GUARANTEED CORRECT. CONTRACTOR TO VERIFY EXISTENCE, LOCATION AND DEPTH TO THEIR OWN SATISFACTION TO AVOID ALL OBSTRUCTIONS PRIOR TO THE START OF CONSTRUCTION.

## PROFILE

[illegible]

INSTALL ONE (1) 144-COUNT FIBER OPTIC CABLE  
2-1 1/4" HDPE SDR 11  
PLOW 665'



CO.	
SEC.	
TWN.	
RNG.	
TAX.	

NOTES

REVIEW DRAFT: KM

FINAL DRAFT: KM


DATE: 8/4/2014	ENGINEERING COMPANY:
DESIGN: SR	
DRAFTED: SR	
CHECKED:	
QA/QC:	
SCALE: 1"=50'	
	
	
12625 E. Euclid Ceresentia, CO 80411 Tel: 720-344-5577	



INSTALL ONE (1) 144-COUNT FIBER OPTIC CABLE  
2-1 1/4" HDPE SDR 11  
FLOW 665'





DESIGN TO MAINTAIN 5' DEE R.E.W.		UTILITY LOCATION SERVICES TEXASBUI CITY UTILITIES, 940-761-4333 CITY TRAFFIC UTILITIES, 940-761-7643		CAUTION: UNDERGROUND UTILITY LOCATIONS NOT GUARANTEED CORRECT. CONTRACTOR TO VERIFY EXISTENCE, LOCATION AND DEPTH TO THEIR OWN SATISFACTION TO AVOID ALL OBSTRUCTIONS PRIOR TO THE START OF CONSTRUCTION	
DEPTH		PROFILE			
1'-0"					
2'-0"					
3'-0"					
4'-0"					
5'-0"					
TOTAL					

SHEET	34	OF	96
ROUTE			
EXCHANGE			
SERVICE AREA			
MAP REFERENCE			
COMPANY			
PROJECT	MT22668		
			
CO.	SEC.	TWN.	RNG.
TAX:			
STKD BY:	DATE:	BY	
DATE	REVISION		
NOTES			
REVIEW/DRAFT: KM			
FINAL DRAFT: KM			
DATE: 8/14/2014			
DESIGN: SR			
DRAFTED: SR			
CHECKED:			
QA/QC:			
SCALE: 1"=50'			
FiberLight			
ENGINEERING COMPANY:			
 <b>MTC MANWEILER</b> TELECOM CONSULTING, INC. 12625 E. Euclid Centennial, CO 80111 Tel: 720-344-5577			

INSTALL ONE (1) 144-COUNT FIBER OPTIC CABLE  
2-1 1/4" HDPE SDR 11  
FLOW590' BORE 75'



SHEET	35	OF	96
ROUTE			
EXCHANGE			
SERVICE AREA			
MAP REFERENCE			
COMPANY			
PROJECT	MTC2668		
	CO.		
	SEC.		
	TWN.		
	RNG.		
TAX:			
STD. BY:	DATE:	BY:	
DATE	REVISION		
NOTES			
REVIEW DRAFT: KM			
FINAL DRAFT: KM			
DATE: 8/14/2014			
DESIGN: SR			
DRAFTED: SR			
CHECKED:			
QA/QC:			
SCALE: 1"=50'			
			
ENGINEERING COMPANY:			
			
12625 E. Euclid Centennial, CO 80111 Tel: 720-344-5577			



INSTALL ONE (1) 144-COUNT FIBER OPTIC CABLE  
2-1 1/4" HDPE SDR 11  
FLOW 617' BORE 50'



# PROFILE

**CAUTION:** UNDERGROUND UTILITY LOCATIONS NOT GUARANTEED CORRECT. CONTRACTOR TO VERIFY EXISTENCE, LOCATION AND DEPTH TO THEIR OWN SATISFACTION TO AVOID ALL OBSTRUCTIONS PRIOR TO THE START OF CONSTRUCTION.

[illegible]





INSTALL ONE (1) 144-COUNT FIBER OPTIC CABLE  
2-1 1/4" HDPE SDR 11  
PLOW 618' BORE 50'



## PROFILE

UTILITY LOCATION SERVICES:  
TEXAS811  
CITY UTILITIES: 940-761-4333  
CITY TRAFFIC UTILITIES: 940-761-7643

UNDERGROUND UTILITY LOCATIONS NOT GUARANTEED  
CORRECT. CONTRACTOR TO VERIFY EXISTENCE,  
LOCATION AND DEPTH TO THEIR OWN SATISFACTION  
TO AVOID ALL DESTRUCTIONS PRIOR TO THE START  
OF CONSTRUCTION.

SHEET	37	OF	96
ROUTE			
EXCHANGE			
SERVICE AREA			
MAP REFERENCE			
COMPANY			
PROJECT			
MTG2668			
			
CO.	SEC.	TMN.	RNG.
TAX.			
STD. BY:	DATE:		
DATE	REVISION	BY	
NOTES			
REVIEW DRAFT: KM			
FINAL DRAFT: KM			
DATE: 8/14/2014			
DESIGN: SR			
DRAFTED: SR			
CHECKED:			
QA/QC:			
SCALE: 1"=50'			
FiberLight			
ENGINEERING COMPANY:			
 <b>MTC MANWEILER</b> TELECOM CONSULTING, INC. 12625 E. Euclid Centennial, CO 80111 Tel: 720-344-5577			

INSTALL ONE (1) 144-COUNT FIBER OPTIC CABLE  
2-1 1/4" HDPE SDR 11  
PLOW 488' BORE 175'



DESIGN TO MAINTAIN 5' OFF R.O.V.		UTILITY LOCATION SERVICES: TEXASB1 CITY UTILITIES: 940-761-4333 CITY TRAFFIC UTILITIES: 940-761-7643		CAUTION: UNDERGROUND UTILITY LOCATIONS NOT GUARANTEED CORRECT CONTRACTOR TO VERIFY EXISTENCE, LOCATION AND DEPTH TO THEIR OWN SATISFACTION TO AVOID ALL OBSTRUCTIONS PRIOR TO THE START OF CONSTRUCTION	
DEPTH		PROFILE			
1' 0"					
2' 0"					
3' 0"					
4' 0"					
5' 0"					
TOTAL					

SHEET	38	OF	96
ROUTE	EXCHANGE		
SERVICE AREA	MAP REFERENCE		
COMPANY	PROJECT		
MTC2668		CO.	
		SEC.	
		TMN.	
		RNG.	
		TAX:	
STKD BY:	DATE:	BY	
DATE	REVISION		
NOTES			
REVIEW DRAFT: KM			
FINAL DRAFT: KM			
DATE: 8/14/2014			
DESIGN: SR			
DRAFTED: SR			
CHECKED:			
QA/QC:			
SCALE: 1"=60'			
Fiberlight			
ENGINEERING COMPANY:			
MTC MANWEILER			
TELECOM CONSULTING, INC			
12635 E. Euclid			
Carterville, CO 80111			
Tel: 720-344-5577			






## PROFILE

SHEET	39	OF	96
ROUTE			
EXCHANGE			
SERVICE AREA			
MAP REFERENCE			
COMPANY			
PROJECT		MTC2668	
			
CO.	SEC.	TMN.	RNG.
TAX:			
STD. BY:		DATE:	
DATE	REVISION	BY	
NOTES			
REVIEW DRAFT: KM			
FINAL DRAFT: KM			

DATE: 8/14/2014
DESIGN: SR
DRAFTED: SR
CHECKED:
QA/QC:
SCALE: 1"=50'


ENGINEERING COMPANY:


TELECOM CONSULTING, INC.
12625 E. Euclid
Centennial, CO 80111
tel: 720-344-5577



INSTALL ONE (1) 144-COUNT FIBER OPTIC CABLE  
2-1 1/4" HDPE SDR 11  
FLOW 667'



SHEET	40	OF	96
ROUTE			
EXCHANGE			
SERVICE AREA			
MAP REFERENCE			
COMPANY			
PROJECT	MTC2668		
			
CO.	SEC.		
TAX.	TWN.		
	RNG.		
STD. BY:	DATE:	BY:	
DATE:	REVISION:		
NOTES			
REVIEW DRAFT: KM			
FINAL DRAFT: KM			
<div> <div>DATE: 8/14/2014</div> <div>DESIGN: SR</div> <div>DRAFTED: SR</div> <div>CHECKED:</div> <div>QA/QC:</div> </div>			
SCALE: 1"=50'			
			
ENGINEERING COMPANY:			
 <b>MTC MANWEILER</b> TELECOM CONSULTING, INC. 12625 E. Euclid Centennial, CO 80111 Tel: 720-544-5577			

[illegible][illegible]



INSTALL ONE (1) 14-COUNT FIBER OPTIC CABLE  
2-1 1/4" HDPE SDR 11  
PLOW 615' BORE 50'

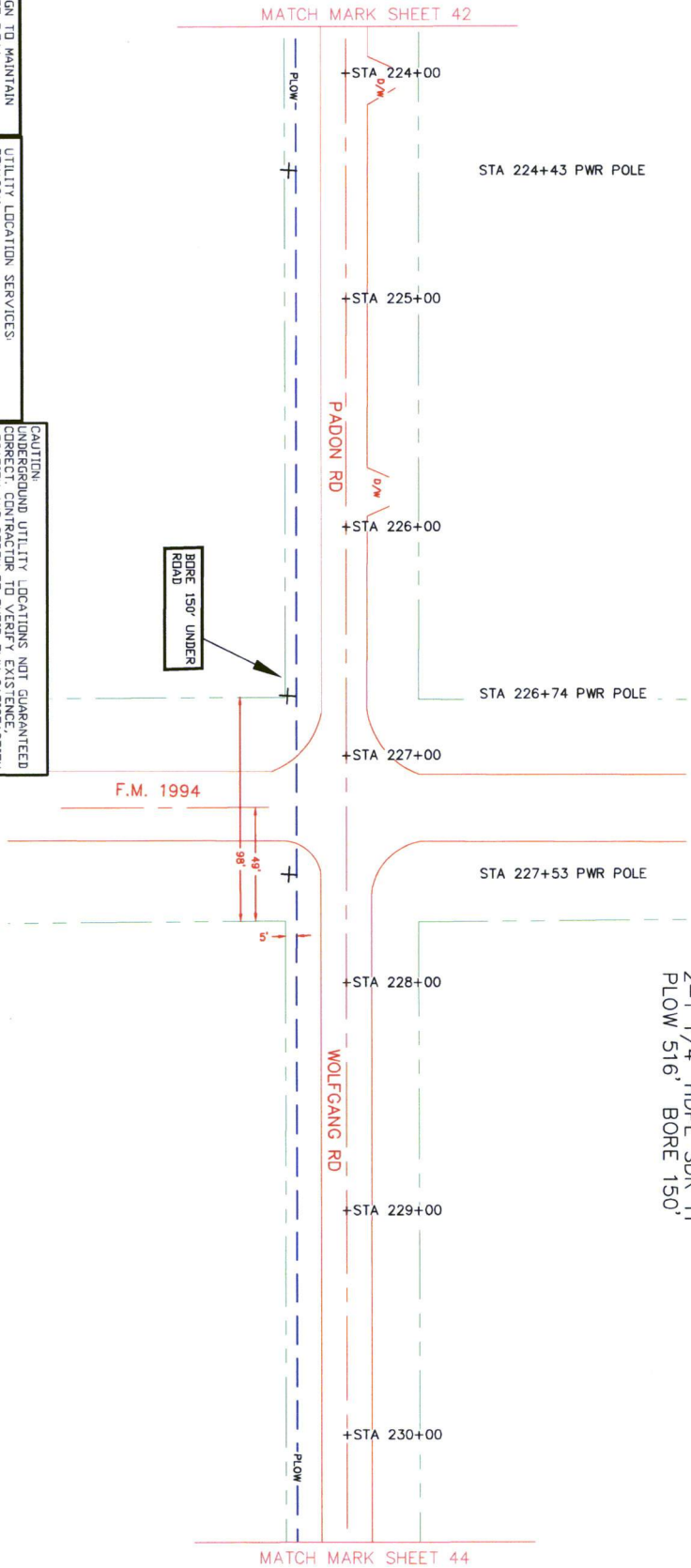


CAUTION: UNDERGROUND UTILITY LOCATIONS NOT GUARANTEED CORRECT. CONTRACTOR TO VERIFY EXISTENCE, LOCATION AND DEPTH TO THEIR OWN SATISFACTION TO AVOID ALL OBSTRUCTIONS PRIOR TO THE START OF CONSTRUCTION.

DEPTH




INSTALL ONE (1) 144-COUNT FIBER OPTIC CABLE  
2-1 1/4" HDPE SDR 11  
FLOW 516' BORE 150'



DESIGN TO MAINTAIN 5' OFF R.O.W.	UTILITY LOCATION SERVICES: TEXAS81 CITY UTILITIES: 940-761-9333 CITY TRAFFIC UTILITIES: 940-761-7643	CAUTION: UNDERGROUND UTILITY LOCATIONS NOT GUARANTEED CORRECT. CONTRACTOR TO VERIFY EXISTENCE, LOCATION AND DEPTH TO THEIR OWN SATISFACTION TO AVOID ALL OBSTRUCTIONS PRIOR TO THE START OF CONSTRUCTION.
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## PROFILE

DEPTH
1' 0"
2' 0"
3' 0"
4' 0"
5' 0"
TOTAL




SHEET	43	OF	96
ROUTE			
EXCHANGE			
SERVICE AREA			
MAP REFERENCE			
COMPANY			
PROJECT	MTC2668		
	CO.		
	SEC.		
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	RNG.		
TAX.			
STD. BY:	DATE:		
DATE:	REVISION	BY	
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REVIEW DRAFT: KM			
FINAL DRAFT: KM			
DATE: 8/14/2014			
DESIGN: SR			
DRAFTED: SR			
CHECKED:			
QA/QC:			
SCALE: 1"=50'			
			
ENGINEERING COMPANY:			
 <b>MTC MANWEILER</b> TELECOM CONSULTING, INC. 12623 E. Euclid Centennial, CO 80111 tel: 720-344-5577			

INSTALL ONE (1) 144-COUNT FIBER OPTIC CABLE  
2-1 1/4" HDPE SDR 11  
PLOW 664'



CAUTION: UNDERGROUND UTILITY LOCATIONS NOT GUARANTEED CORRECT. CONTRACTOR TO VERIFY EXISTENCE, LOCATION AND DEPTH TO THEIR OWN SATISFACTION TO AVOID ALL OBSTRUCTIONS PRIOR TO THE START OF CONSTRUCTION

## PROFILE

SHEET	44	OF	96
ROUTE			
EXCHANGE			
SERVICE AREA			
MAP REFERENCE			
COMPANY			
PROJECT	MTC2668		
	CO.		
	SEC.		
	TWN.		
	RNG.		
TAX:			
STKD BY:	DATE:		
DATE	REVISION	BY	
NOTES			
REVIEW DRAFT: KM			
FINAL DRAFT: KM			
DATE: 8/14/2014			
DESIGN: SR			
DRAFTED: SR			
CHECKED:			
QA/QC:			
SCALE: 1"=50'			
			
ENGINEERING COMPANY:			
			
12625 E. Euclid Centennial, CO 80111 Tel: 720-344-5577			









DESIGN TO MAINTAIN 5' DFF R.O.V.		UTILITY LOCATION SERVICES: TEXAS811 CITY UTILITIES: 940-761-4333 CITY TRAFFIC UTILITIES: 940-761-7643	
		CAUTION: UNDERGROUND UTILITY LOCATIONS NOT GUARANTEED. CORRECT CONTRACTOR TO VERIFY EXISTENCE, LOCATION AND DEPTH TO THEIR OWN SATISFACTION TO AVOID ALL DESTRUCTIONS PRIOR TO THE START OF CONSTRUCTION	
DEPTH		PROFILE	
1' 0"			
2' 0"			
3' 0"			
4' 0"			
5' 0"			
TOTAL			

SHEET	46	OF	96
ROUTE			
EXCHANGE			
SERVICE AREA			
MAP REFERENCE			
COMPANY			
PROJECT	MTC2668		
	CO.		
	SEC.		
	TWN.		
	RNG.		
TAX:			
STD. BY:	DATE:	BY:	
DATE:	REVISION:	BY:	
<div>NOTES</div> <div>REVIEW DRAFT: KM</div> <div>FINAL DRAFT: KM</div>			
<div>DATE: 8/14/2014</div> <div>DESIGN: SR</div> <div>DRAFTED: SR</div> <div>CHECKED:</div> <div>QA/QC:</div>			
SCALE: 1"=50'			
			
ENGINEERING COMPANY:			
 <b>MTC MANWEILER</b> TELECOM CONSULTING, INC. 12625 E. Euclid Centennial, CO 80111 tel: 720-344-5577			

INSTALL ONE (1) 144-COUNT FIBER OPTIC CABLE  
2-1 1/4" HDPE SDR 11  
PLOW 665'



## PROFILE

CAUTION: UNDERGROUND UTILITY LOCATIONS NOT GUARANTEED CORRECT. CONTRACTOR TO VERIFY EXISTENCE, LOCATION AND DEPTH TO THEIR OWN SATISFACTION TO AVOID ALL OBSTRUCTIONS PRIOR TO THE START OF CONSTRUCTION.




[illegible]



INSTALL ONE (1) 144-COUNT FIBER OPTIC CABLE  
2-1 1/4" HDPE SDR 11  
FLOW 6662'



## PROFILE

SHEET	48	OF	96
<b>ROUTE</b>			
<b>EXCHANGE</b>			
<b>SERVICE AREA</b>			
<b>MAP REFERENCE</b>			
<b>COMPANY</b>			
<b>PROJECT</b>	<b>MTG2668</b>		
			
<b>CO.</b>			
<b>SEC.</b>			
<b>TWN.</b>			
<b>RNG.</b>			
<b>TAX.</b>			
<b>STXD BY:</b>	<b>DATE:</b>		
<b>DATE</b>	<b>REVISION</b>	<b>BY</b>	
<b>NOTES</b>			
<b>REVIEW DRAFT: KM</b>			
<b>FINAL DRAFT: KM</b>			
<b>DATE: 8/14/2014</b>			
<b>DESIGN: SR</b>			
<b>DRAFTED: SR</b>			
<b>CHECKED:</b>			
<b>QA/QC:</b>			
<b>SCALE: 1"=50'</b>			
			
<b>ENGINEERING COMPANY:</b>			
 <b>MTC MANWEILER</b> TELECOM CONSULTING, INC. 12625 E. Euclid Centennial, CO 80111 Tel.: 720-344-5577			



INSTALL ONE (1) 144-COUNT FIBER OPTIC CABLE  
2-1 1/4" HDPE SDR 11  
FLOW667'





## PROFILE

SHEET	49	OF	96
ROUTE			
EXCHANGE			
SERVICE AREA			
MAP REFERENCE			
COMPANY			
PROJECT	MTC2668		
CO.	SEC.		
TMN.	RNG.		
TAX:			
STD BY:	DATE:	BY	
DATE	REVISION		
NOTES			
REVIEW DRAFT: KM			
FINAL DRAFT: KM			
SCALE: 1"=50'			
DATE: 8/14/2014			
DESIGN: SR			
DRAFTED: SR			
CHECKED:			
QA/QC:			
SCALE: 1"=50'			
Fiberlight			
ENGINEERING COMPANY:			
MTC MANWEILER			
TELECOM CONSULTING, INC.			
12625 E. Euclid			
Centennial, CO 80011			
Tel: 720-344-5577			

INSTALL ONE (1) 144-COUNT FIBER OPTIC CABLE  
2-1 1/4" HDPE SDR 11  
FLOW 668'



## PROFILE

SHEET	50	OF	96
ROUTE			
EXCHANGE			
SERVICE AREA			
MAP REFERENCE			
COMPANY			
PROJECT	MTC2668		
CO.			
SEC.			
TWN.			
RNG.			
TAX.			
STXD BY:	DATE:	BY	
DATE	REVISION		
NOTES			
REVIEW/DRAFT: KM			
FINAL DRAFT: KM			
DATE: 8/14/2014			
DESIGN: SR			
DRAFTED: SR			
CHECKED:			
QA/QC:			
SCALE: 1"=50'			
ENGINEERING COMPANY:			
 			
12625 E. Iucild Centennial, CO 80111 Tel: 720-344-5577			



SHEET 51 OF 96



CAUTION: UNDERGROUND UTILITY LOCATIONS NOT GUARANTEED. CORRECT CONTRACTOR TO VERIFY EXISTENCE, LOCATION AND DEPTH TO THEIR OWN SATISFACTION TO AVOID ALL OBSTRUCTIONS PRIOR TO THE START OF CONSTRUCTION.

DATE: 8/14/2014  
DESIGN: SR  
DRAFTED: SR  
CHECKED:  
QA/QC:  
SCALE: 1"=60'

ENGINEERING COMPANY:

FIBERlight

 **MTC MANWEILER**  
TELECOM CONSULTING, INC.

12625 E. Euclid  
Centennial, CO 80111  
Tel: 720-344-5577

**ENGINEERING COMPANY:**

 **MTC MANWEILER**  
**TELECOM CONSULTING, INC.**

12625 E. Euclid  
Centennial, CO 80111  
Tel: 720-344-5577



INSTALL ONE (1) 144-COUNT FIBER OPTIC CABLE  
2-1 1/4" HDPE SDR 11  
FLOW615' BORE 50'



## PROFILE

[illegible]










	DEPTH					
1' 0"						
2' 0"						
3' 0"						
4' 0"						
5' 0"						
TOTAL						

[illegible]



INSTALL ONE (1) 144-COUNT FIBER OPTIC CABLE  
2-1 1/4" HDPE SDR 11  
PLOW 667'



SHEET	55	OF	96
ROUTE			
EXCHANGE			
SERVICE AREA			
MAP REFERENCE			
COMPANY		MTC2668	
PROJECT			
CO.	SEC.	TMN.	RNG.
TAX:			
STD. BY:	DATE:	BY:	
DATE	REVISION		
NOTES			
REVIEW DRAFT: KM			
FINAL DRAFT: KM			
DATE: 8/14/2014 DESIGN: SR DRAFTED: SR CHECKED: QA/QC:			
SCALE: 1"=50'			
			
 <b>MTC MANWEILER</b> TELECOM CONSULTING, INC. 12625 E. Euclid Centennial, CO 80111 Tel. 720-344-5577			
ENGINEERING COMPANY:			

INSTALL ONE (1) 144-COUNT FIBER OPTIC CABLE  
2-1 1/4" HDPE SDR 11  
FLOW 660'




SHEET	56	OF	96
ROUTE			
EXCHANGE			
SERVICE AREA			
MAP REFERENCE			
COMPANY			
PROJECT	MTC2668		
	CO.		
	SEC.		
	TWN.		
	RNG.		
TAX:			
STD BY:	DATE:	BY:	
DATE	REVISION		
NOTES			
REVIEW DRAFT: KM			
FINAL DRAFT: KM			
DATE: 8/14/2014			
DESIGN: SR			
DRAFTED: SR			
CHECKED:			
QA/QC:			
SCALE: 1"=50'			
			
 <b>MTC MANWEILER</b> TELCOM CONSULTING, INC. 12625 E. Euclid Centennial, CO 80111 tel. 720-344-5577			



INSTALL ONE (1) 144-COUNT FIBER OPTIC CABLE  
2-1 1/4" HDPE SDR 11  
FLOW 669'



DESIGN TO MAINTAIN 5' OFF R.O.W.		UTILITY LOCATION SERVICES TEXAS81 CITY UTILITIES: 940-761-4333 CITY TRAFFIC UTILITIES: 940-761-7643		CAUTION: UNDERGROUND UTILITY LOCATIONS NOT GUARANTEED CORRECT CONTRACTOR TO VERIFY EXISTENCE, LOCATION AND DEPTH TO THEIR OWN SATISFACTION TO AVOID ALL OBSTRUCTIONS PRIOR TO THE START OF CONSTRUCTION	
DEPTH		PROFILE			
1' 0"					
2' 0"					
3' 0"					
4' 0"					
5' 0"					
TOTAL					



12625 E. Euclid  
Centennial, CO 80111  
Tel: 720-344-5577

DATE: 8/14/2014

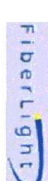
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CHECKED:

QA/QC:

SCALE: 1"=50'








INSTALL ONE (1) 144-COUNT FIBER OPTIC CABLE  
2-1 1/4" HDPE SDR 11  
PLOW 672'



## PROFILE

SHEET	58	OF	96
ROUTE			
EXCHANGE			
SERVICE AREA			
MAP REFERENCE			
COMPANY			
PROJECT	MTC2668		
			
CO.	SEC.	TWN.	RNG.
TAX.			
STAD BY:	DATE:	REVISION	BY
NOTES			
REVIEW DRAFT: KM			
FINAL DRAFT: KM			
DATE: 8/14/2014			
DESIGN: SR			
DRAFTED: SR			
CHECKED:			
QA/QC:			
SCALE: 1"=50'			
			
ENGINEERING COMPANY:			
			
12625 E. Euclid Centennial, CO 80111 tel: 720-344-5577			

INSTALL ONE (1) 144-COUNT FIBER OPTIC CABLE  
2-1 1/4" HDPE SDR 11  
FLOW 667'

2-1 1/4" HDPE SDR 11  
FLOW 667,

SHEET 59 OF 96

## EXCHANGE

## MAP REFERENCE

PROJECT MTC2668

Co.



TAX:

STKD BY:	DATE:
DATE:	REVISION
	BY

[illegible]

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3	3	6	9	12	15	18	21	24	27	30	33	36	39	42	45	48	51	54	57	60	63	66	69	72	75	78	81	84	87	90	93	96	99	102	105	108	111	114	117	120	123	126	129	132	135	138	141	144	147	150	153	156	159	162	165	168	171	174	177	180	183	186	189	192	195	198	201	204	207	210	213	216	219	222	225	228	231	234	237	240	243	246	249	252	255	258	261	264	267	270	273	276	279	282	285	288	291	294	297	300
4	4	8	12	16	20	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80	84	88	92	96	100	104	108	112	116	120	124	128	132	136	140	144	148	152	156	160	164	168	172	176	180	184	188	192	196	200	204	208	212	216	220	224	228	232	236	240	244	248	252	256	260	264	268	272	276	280	284	288	292	296	300																									
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REVIEW DRAFT: KM

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DATE: 8/14/2014

DESIGN: SK  
DRAWN: CP

CHECKED:

Q/A/QC:

SCALE: 1"=50'



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**ENGINEERING COMPANY:**



**MWC** MANWEILER  
TELECOM CONSULTING INC.

**THE**

12625 E. Euclid  
Centennial, CO 80111

Tel: 720-344-5577










## PROFILE

SHEET	61	OF	96
ROUTE			
EXCHANGE			
SERVICE AREA			
MAP REFERENCE			
COMPANY			
PROJECT MTC2668			
			
CO.	SEC.	TWN.	RNG.
TAX:			
STD BY:	DATE:		
DATE	REVISION	BY	
NOTES			
REVIEW DRAFT: KM			
FINAL DRAFT: KM			
SCALE: 1"=50'			
ENGINEERING COMPANY: MTC MANWEILER TELECOM CONSULTING, INC. 12625 E. Euclid Centennial, CO 80111 Tel: 720-344-5577			

INSTALL ONE (1) 144-COUNT FIBER OPTIC CABLE  
2-1 1/4" HDPE SDR 11  
FLOW 664'





## PROFILE

[illegible]





DESIGN TO MAINTAIN S.D.F.F. R.O.V.		CAUTION: UNDERGROUND UTILITY LOCATIONS NOT GUARANTEED CORRECT CONTRACTOR TO VERIFY EXISTENCE, LOCATION AND DEPTH TO THEIR OWN SATISFACTION TO AVOID ALL OBSTRUCTIONS PRIOR TO THE START OF CONSTRUCTION	
UTILITY LOCATION SERVICES: TEXAS811 CITY UTILITIES: 940-761-4333 CITY TRAFFIC UTILITIES: 940-761-7643			
DEPTH		PROFILE	
1' 0"			
2' 0"			
3' 0"			
4' 0"			
5' 0"			
TOTAL			

SHEET	63	OF	96
ROUTE			
EXCHANGE			
SERVICE AREA			
MAP REFERENCE			
COMPANY			
PROJECT	MTC2668		
CO.	SEC.		
TWN.	RNG.		
TAX:			
STKD BY:	DATE:		
DATE	REVISION	BY	
NOTES			
REVIEW DRAFT: KM			
FINAL DRAFT: KM			
SCALE: 1"=50'			
DATE: 8/14/2014			
DESIGN: SR			
CHECKED: SR			
QA/QC:			
ENGINEERING COMPANY:			
			
			
12625 E. Euclid Centennial, CO 80111 Tel: 720-344-5577			



INSTALL ONE (1) 144-COUNT FIBER OPTIC CABLE  
2-1 1/4" HDPE SDR 11  
FLOW 664'

[illegible]

INSTALL ONE (1) 144-COUNT FIBER OPTIC CABLE  
2-1 1/4" HDPE SDR 11  
FLOW 668'



# PROFILE

**CAUTION:** UNDERGROUND UTILITY LOCATIONS NOT GUARANTEED CORRECT. CONTRACTOR TO VERIFY EXISTENCE, LOCATION AND DEPTH TO THEIR OWN SATISFACTION TO AVOID ALL OBSTRUCTIONS PRIOR TO THE START OF CONSTRUCTION.

[illegible]



INSTALL ONE (1) 144-COUNT FIBER OPTIC CABLE  
2-1 1/4" HDPE SDR 11  
FLOW665'



SHEET	66	OF	96
ROUTE			
EXCHANGE			
SERVICE AREA			
MAP REFERENCE			
COMPANY		PROJECT	
MTC		MTC2668	
CO.	SEC.	TMN.	RNG.
TAX:			
STD. BY:		DATE:	
DATE	REVISION	BY	
NOTES			
REVIEW DRAFT: KM			
FINAL DRAFT: KM			
DATE: 8/14/2014			
DESIGN: SR			
DRAFTED: SR			
CHECKED:			
QA/QC:			
SCALE: 1"=50'			
FiberLight			
ENGINEERING COMPANY:			
MTC MANWEILER			
TELECOM CONSULTING, INC			
12625 E. Euclid			
Centennial, CO 80111			
Tel: 720-344-5577			



INSTALL ONE (1) 144-COUNT FIBER OPTIC CABLE  
2-1 1/4" HDPE SDR 11  
PLOW 673'

SHEET 67 OF 96

ROUTE

## EXCHANGE

SERVICE AREA

## MAP REFERENCE

## COMPANY

PROJECT	MTC2668
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SEC. ....  
TWN .....

RNG	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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TAX:

STKD BY:	DATE:
DATE :	REVISION :

[illegible][illegible]

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FINAL DRAFT: KM

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Year	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099
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DATE: 8/14/2014

DESIGN: SR  
DRAWN: CP

**CHECKED:**

QA/QC:

SCALE: 1"=50'

[illegible]

ENGINEERING COMPANY:



**MHC MANWEILER**  
TELECOM CONSULTING

• • • • •

12625 E. Euclid  
Centennial, CO 80111

Tel: 720-344-5577

INSTALL ONE (1) 144-COUNT FIBER OPTIC CABLE  
2-1 1/4" HDPE SDR 11  
FLOW 667'



## PROFILE

UTILITY LOCATION SERVICES:  
TEXAS811  
CITY UTILITIES: 940-761-4333  
CITY TRAFFIC UTILITIES: 940-761-7643

UNDERGROUND UTILITY LOCATIONS NOT GUARANTEED CORRECT. CONTRACTOR TO VERIFY EXISTENCE, LOCATION AND DEPTH TO THEIR OWN SATISFACTION TO AVOID ALL OBSTRUCTIONS PRIOR TO THE START OF CONSTRUCTION.



**MTC MANWEILER**  
TELECOM CONSULTING, INC.


12625 E. Euclid  
Centennial, CO 80111  
Tel: 720-344-5577



INSTALL ONE (1) 144-COUNT FIBER OPTIC CABLE  
2-1 1/4" HDPE SDR 11  
FLOW 664'



# PROFILE

SHEET	69	OF	96
ROUTE			
EXCHANGE			
SERVICE AREA			
MAP REFERENCE			
COMPANY			
PROJECT		MTC2668	
			
CO.	SEC.	TWN.	RNG.
TAX:			
STKD BY:	DATE:	BY	
DATE	REVISION		
NOTES			
REVIEW DRAFT: KM			
FINAL DRAFT: KM			
DATE: 8/14/2014			
DESIGN: SR			
DRAFTED: SR			
CHECKED:			
QA/QC:			
SCALE: 1"=60'			
ENGINEERING COMPANY:			
 <b>MTC MANWEILER</b> TELECOM CONSULTING, INC. 12625 E. Euclid Centennial, CO 80111 Tel.: 720-344-5577			
Fiberlight			



INSTALL ONE (1) 144-COUNT FIBER OPTIC CABLE  
2-1 1/4" HDPE SDR 11  
FLOW 667'

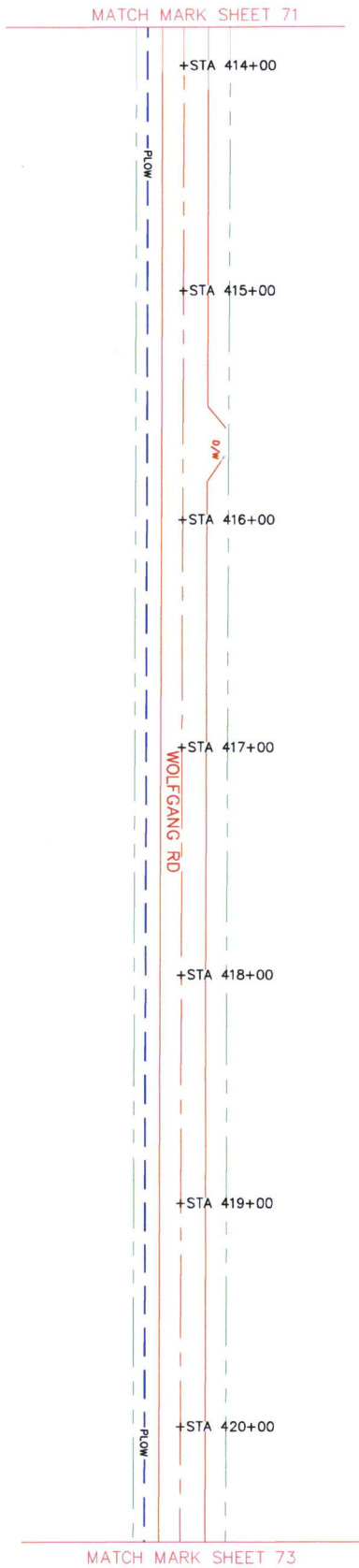


SHEET	70	OF	96
ROUTE			
EXCHANGE			
SERVICE AREA			
MAP REFERENCE			
COMPANY			
PROJECT	MTC2668		
			
CO.	SEC.	TWN.	RNG.
TAX:			
STD. BY:	DATE:	BY	
DATE	REVISION	BY	
NOTES			
REVIEW DRAFT: KM			
FINAL DRAFT: KM			
DATE: 8/14/2014			
DESIGN: SR			
DRAFTED: SR			
CHECKED:			
QA/QC:			
SCALE: 1"=50'			
ENGINEERING COMPANY:			
			
12625 E. Euclid Ceresheim, CO 80111 Tel: 720-344-5577			





INSTALL ONE (1) 144-COUNT FIBER OPTIC CABLE  
2-1 1/4" HDPE SDR 11  
FLOW 669'



DESIGN TO MAINTAIN S.D.D.F. R.O.V.		UTILITY LOCATION SERVICES: TEXAS811 CITY UTILITIES: 940-761-4333 CITY TRAFFIC UTILITIES: 940-761-7643		CAUTION: UNDERGROUND UTILITY LOCATIONS NOT GUARANTEED CORRECT CONTRACTOR TO VERIFY EXISTENCE, LOCATION AND DEPTH TO THEIR OWN SATISFACTION TO AVOID ALL OBSTRUCTIONS PRIOR TO THE START OF CONSTRUCTION	
DEPTH		PROFILE			
1' 0"					
2' 0"					
3' 0"					
4' 0"					
5' 0"					
TOTAL					

[illegible]



FORT BEND COUNTY, TX

INSTALL ONE (1) 144-COUNT FIBER OPTIC CABLE  
2-1 1/4" HDPE SDR 11  
FLOW 472'

MATCH MARK SHEET 72

+ STA 421+00

+ STA 422+00

+ STA 423+00

+ STA 424+00

BEARD RD

WOLFGANG RD

+ STA 425+00

MATCH MARK SHEET 74

PROFILE

DEPTH

1'-0"

2'-0"

3'-0"

4'-0"

5'-0"

TOTAL

DESIGN TO MAINTAIN  
5" OFF R.D.V.

UTILITY LOCATION SERVICES:  
TEXAS811  
CITY UTILITIES: 940-761-4333  
CITY TRAFFIC UTILITIES: 940-761-7643

CAUTION:  
UNDERGROUND UTILITY LOCATIONS NOT GUARANTEED  
CORRECT. CONTRACTOR TO VERIFY EXISTENCE,  
LOCATION AND DEPTH TO THEIR OWN SATISFACTION  
TO AVOID ALL OBSTRUCTIONS PRIOR TO THE START  
OF CONSTRUCTION.

SHEET 73 OF 96

ROUTE

EXCHANGE

SERVICE AREA

MAP REFERENCE

COMPANY

PROJECT MTC2668

CO.

SEC.

TWN.

RNG.

TAX.

STKD BY: DATE: BY

DATE REVISION

NOTES

REVIEW DRAFT: KM

FINAL DRAFT: KM

DATE: 8/14/2014

DESIGN: SR

DRAFTED: SR

CHECKED:

QA/QC:

SCALE: 1"=50'

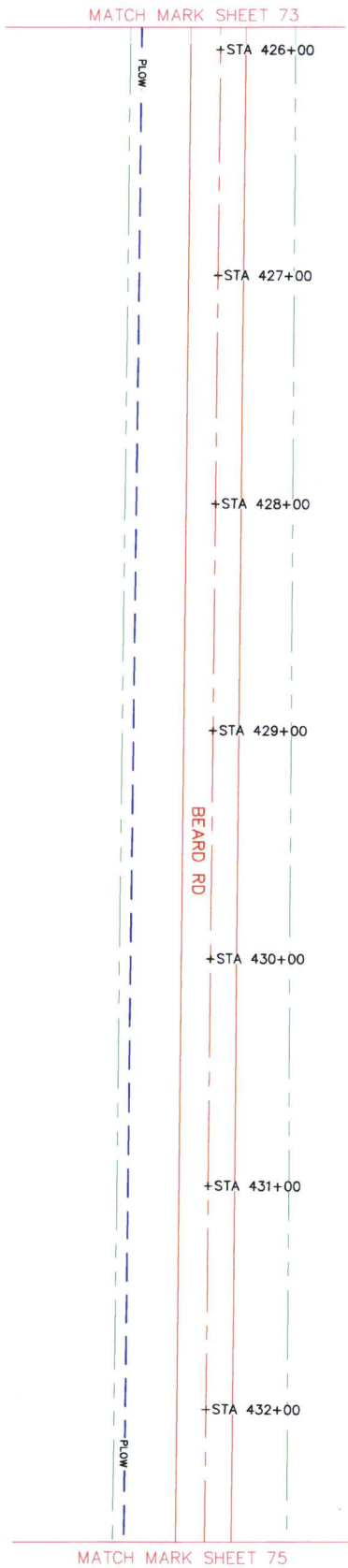


ENGINEERING COMPANY:





12625 E. Euclid  
Greefford, CO 80111  
Tel: 720-344-5577

INSTALL ONE (1) 144-COUNT FIBER OPTIC CABLE  
2-1 1/4" HDPE SDR 11  
PLOW 665'



DESIGN TO MAINTAIN 5' OFF R.O.W.										UTILITY LOCATION SERVICES: TEXAS811 CITY UTILITIES: 940-761-4333 CITY TRAFFIC UTILITIES: 940-761-7643										CAUTION: UNDERGROUND UTILITY LOCATIONS NOT GUARANTEED CORRECT. CONTRACTOR TO VERIFY EXISTENCE, LOCATION AND DEPTH TO THEIR OWN SATISFACTION TO AVOID ALL OBSTRUCTIONS PRIOR TO THE START OF CONSTRUCTION																			
DEPTH										PROFILE																													
1' 0"																																							
2' 0"																																							
3' 0"																																							
4' 0"																																							
5' 0"																																							
TOTAL																																							

DATE: 8/14/2014									
DESIGN: SR									
DRAFTED: SR									
CHECKED:									
QA/QC:									
SCALE: 1"=50'									
									
ENGINEERING COMPANY:									
 <b>MTC MANWEILER</b> TELECOM CONSULTING, INC.									
12625 E. Euclid Centennial, CO 80111 Tel: 720-344-5577									






INSTALL ONE (1) 144-COUNT FIBER OPTIC CABLE  
2-1 1/4" HDPE SDR 11  
PLOW 663'



## PROFILE

UNDERGROUND UTILITY LOCATIONS NOT GUARANTEED  
CORRECT. CONTRACTOR TO VERIFY EXISTENCE,  
LOCATION AND DEPTH TO THEIR OWN SATISFACTION  
TO AVOID ALL OBSTRUCTIONS PRIOR TO THE START  
OF CONSTRUCTION.

SHEET	75	OF	96				
ROUTE							
EXCHANGE							
SERVICE AREA							
MAP REFERENCE							
COMPANY							
PROJECT	MTC02668						
	CO.						
	SEC.						
	TWN.						
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TAX:							
STD. BY:	DATE:						
DATE	REVISION	BY					
NOTES							
REVIEW DRAFT: KM							
FINAL DRAFT: KM							
DATE: 8/14/2014							
DESIGN: SR							
DRAFTED: SR							
CHECKED:							
QA/QC:							
SCALE: 1"=50'							
							
ENGINEERING COMPANY:							
 <b>MTC MANWEILER</b> TELECOM CONSULTING, INC.							
12625 E. Euclid Centennial, CO 80111 Tel: 220-344-5577							



INSTALL ONE (1) 144-COUNT FIBER OPTIC CABLE  
2-1 1/4" HDPE SDR 11  
FLOW 617' BORE 50'



## PROFILE

[illegible]



LEAVE 100' SLACK  
IN HH, 150' IN  
SPLICE HH

DESIGN TO MAINTAIN S' OFF R.O.V.		UTILITY LOCATION SERVICES TEXAS81 CITY UTILITIES: 940-761-4333 CITY TRAFFIC UTILITIES: 940-761-7643		CAUTION: UNDERGROUND UTILITY LOCATIONS NOT GUARANTEED CORRECT. CONTRACTOR TO VERIFY EXISTENCE, LOCATION AND DEPTH TO THEIR OWN SATISFACTION TO AVOID ALL OBSTRUCTIONS PRIOR TO THE START OF CONSTRUCTION	
DEPTH		PROFILE			
1' 0"					
2' 0"					
3' 0"					
4' 0"					
5' 0"					
TOTAL					

[illegible]



INSTALL ONE (1) 144-COUNT FIBER OPTIC CABLE  
2-1 1/4" HDPE SDR 11  
FLOW 667'

2-1 1/4" HDPE SDR 11  
PLOW 667,

SHEET 78 OF 96

ROUTE

## EXCHANGE

SERVICE AREA

## MAP REFERENCE

COMPANY

PROJECT MTC2668

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RNG

TAX:

STKD BY:	DATE:
DATE:	REVISION:

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NOTES

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FINAL DRAFT: KM

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DATE: 8/14/2014

DESIGN: SK  
DRAWN: CB

CHECKED: ☒

QA/QC:

SCALE: 1"=50'

Fiberlight

...

**ENGINEERING COMPANY:**



**MIC MANWEILER**  
TELECOM CONSULTING

... ..

12625 E. Euclid  
Centennial, CO 80111

Tel: 720-344-5577



INSTALL ONE (1) 144-COUNT FIBER OPTIC CABLE  
2-1 1/4" HDPE SDR 11  
FLOW 665'

SHEET 79 OF 96

## ROUTE

## EXCHANGE

SERVICE AREA

## MAP REFERENCE

**COMPANY**

PROJECT MTC2668

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**RNG**

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DATE: 8/14/2014


DESIGN: SR  
DRAFTED: SP

DRAFTED: SK

CHECKED:

QA/QC:

SCALE: 1"=50'



✓

**ENGINEERING COMPANY:**



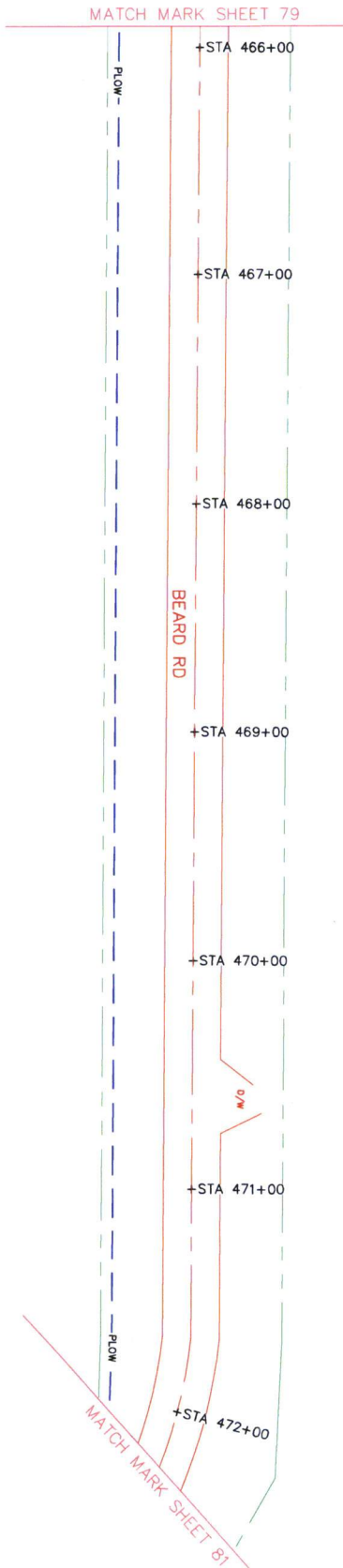
**MANWEILER**  
TELECOM CONSULTING

**TELECOM CONSULTING, INC.**

12625 E. Euclid  
Centennial, CO 80111

Tel: 720-344-5577

INSTALL ONE (1) 144-COUNT FIBER OPTIC CABLE  
2-1 1/4" HDPE SDR 11  
PLOW 60'



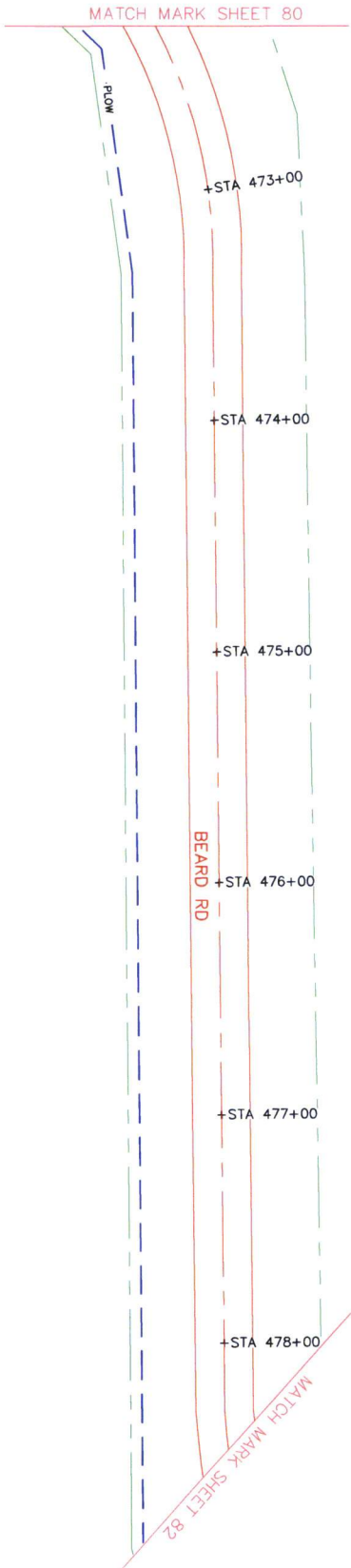
DESIGN TO MAINTAIN 5' OFF R.O.W.	UTILITY LOCATION SERVICES: TEASB81 CITY UTILITIES: 940-761-4333 CITY TRAFFIC UTILITIES: 940-761-7643	CAUTION: UNDERGROUND UTILITY LOCATIONS NOT GUARANTEED CORRECT. CONTRACTOR TO VERIFY EXISTENCE, LOCATION AND DEPTH TO THEIR OWN SATISFACTION TO AVOID ALL DESTRUCTIONS PRIOR TO THE START OF CONSTRUCTION
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## PROFILE

[illegible][illegible]

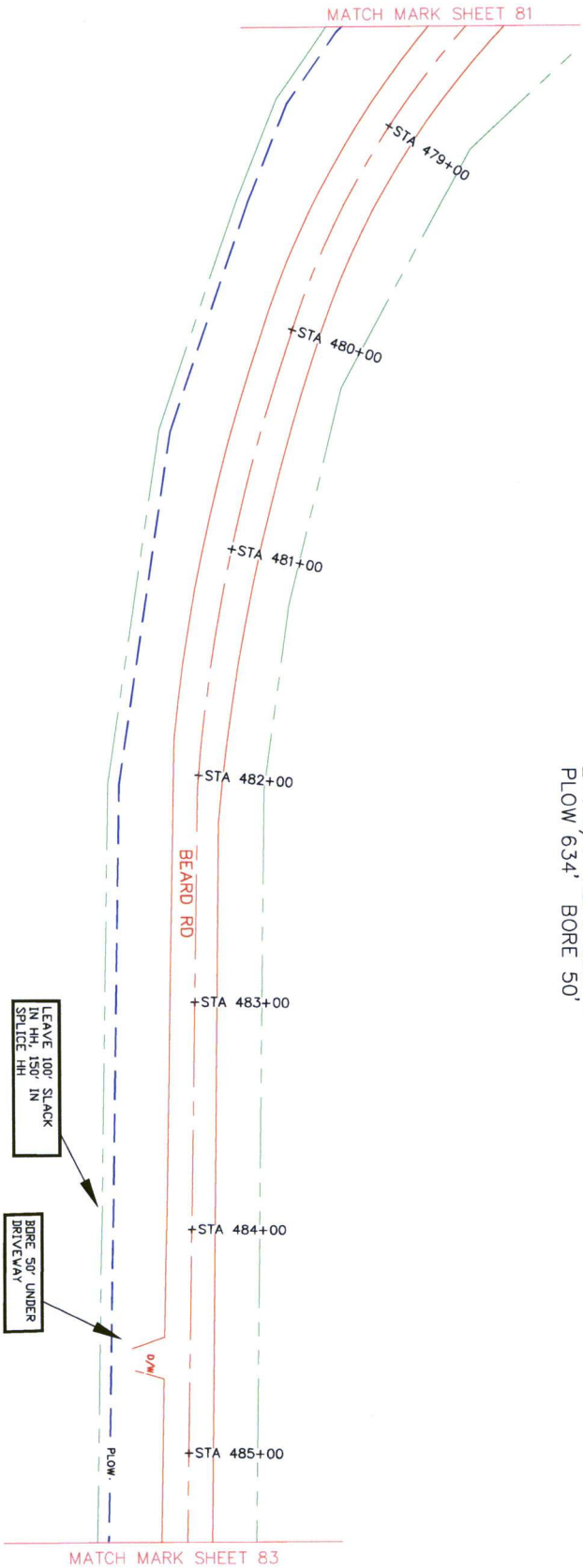


INSTALL ONE (1) 144-COUNT FIBER OPTIC CABLE  
2-1 1/4" HDPE SDR 11  
PLOW 662'

[illegible]

SHEET	81	OF	96
ROUTE			
EXCHANGE			
SERVICE AREA			
MAP REFERENCE			
COMPANY			
PROJECT MTC2668			
			
CO.	SEC.	TWN.	RNG.
TAX.			
STKD BY:	DATE:	BY	
DATE	REVISION		
NOTES			
REVIEW DRAFT: KM			
FINAL DRAFT: KM			
DATE: 8/14/2014			
DESIGN: SR			
DRAFTED: SR			
CHECKED:			
QA/QC:			
SCALE: 1"=50'			
			
ENGINEERING COMPANY:			
			
12625 E. Euclid Centennial, CO 80111 Tel: 720-344-5577			



[illegible]


SHEET	82	OF	96
ROUTE			
EXCHANGE			
SERVICE AREA			
MAP REFERENCE			
COMPANY			
PROJECT		MTC-2668	
		CO.	
		SEC.	
		TWN.	
		RNG.	
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STD BY:	DATE:		
DATE	REVISION	BY	
NOTES			
REVIEW DRAFT: KM			
FINAL DRAFT: KM			
FIBERLIGHT			
DATE: 8/14/2014			
DESIGN: SR			
DRAFTED: SR			
CHECKED:			
QA/QC:			
SCALE: 1"=50'			
ENGINEERING COMPANY:			
 <b>MTC MANWEILER</b> TELECOM CONSULTING, INC. 12625 E. Euclid Centennial, CO 80111 Tel: 720-344-5577			
			

INSTALL ONE (1) 144-COUNT FIBER OPTIC CABLE  
2-1 1/4" HDPE SDR 11  
FLOW 667' BRAZORIA COUNTY, TX



CAUTION: UNDERGROUND UTILITY LOCATIONS NOT GUARANTEED CORRECT. CONTRACTOR TO VERIFY EXISTENCE, LOCATION AND DEPTH TO THEIR OWN SATISFACTION TO AVOID ALL DESTRUCTIONS PRIOR TO THE START OF CONSTRUCTION.




## PROFILE

SHEET	83	OF	96
ROUTE			
EXCHANGE			
SERVICE AREA			
MAP REFERENCE			
COMPANY	MTC2668		
PROJECT	MTC2668		
	CO.		
	SEC.		
	TWN.		
	RNG.		
TAX:			
STKD BY:	DATE:		
DATE	REVISION	BY	
<div>NOTES</div> <div>REVIEW DRAFT: KM</div> <div>FINAL DRAFT: KM</div>			
<div>DATE: 8/14/2014</div> <div>DESIGN: SR</div> <div>CHECKED: SR</div> <div>QA/QC:</div>			
SCALE: 1"=50'			
			
			
ENGINEERING COMPANY:			
12625 E. Euclid Centennial, CO 80111 Tel. 720-344-5577			



INSTALL ONE (1) 144-COUNT FIBER OPTIC CABLE  
2-1 1/4" HDPE SDR 11  
FLOW 672'



SHEET	84	OF	96
ROUTE			
EXCHANGE			
SERVICE AREA			
MAP REFERENCE			
COMPANY			
PROJECT	MT22668		
	CO.		
	SEC.		
	TMN.		
	RNG.		
TAX.			
STO. BY:	DATE:		
DATE	REVISION	BY	
NOTES			
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FINAL DRAFT: KM			
DATE: 8/14/2014			
DESIGN: SR			
DRAFTED: SR			
CHECKED:			
QA/QC:			
SCALE: 1"=60'			
			
ENGINEERING COMPANY:			
			
12625 E. Tuedl Centennial, CO 80111 Tel: 720-344-5577			



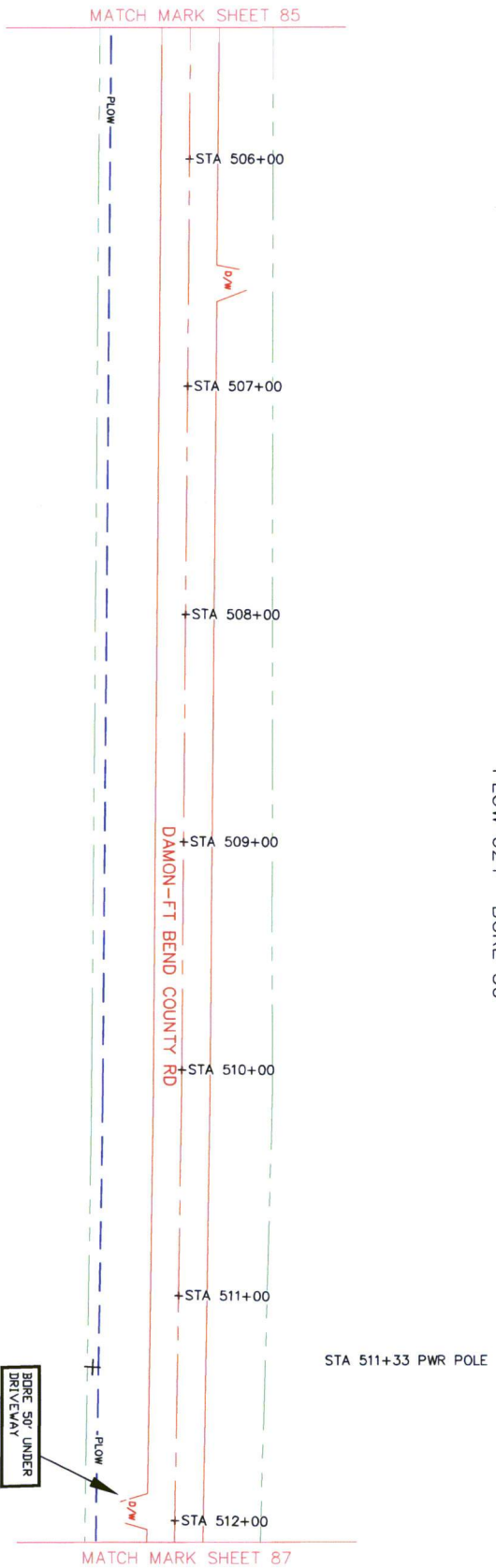
INSTALL ONE (1) 144-COUNT FIBER OPTIC CABLE  
2-1 1/4" HDPE SDR 11  
FLOW 658'



## PROFILE

[illegible]

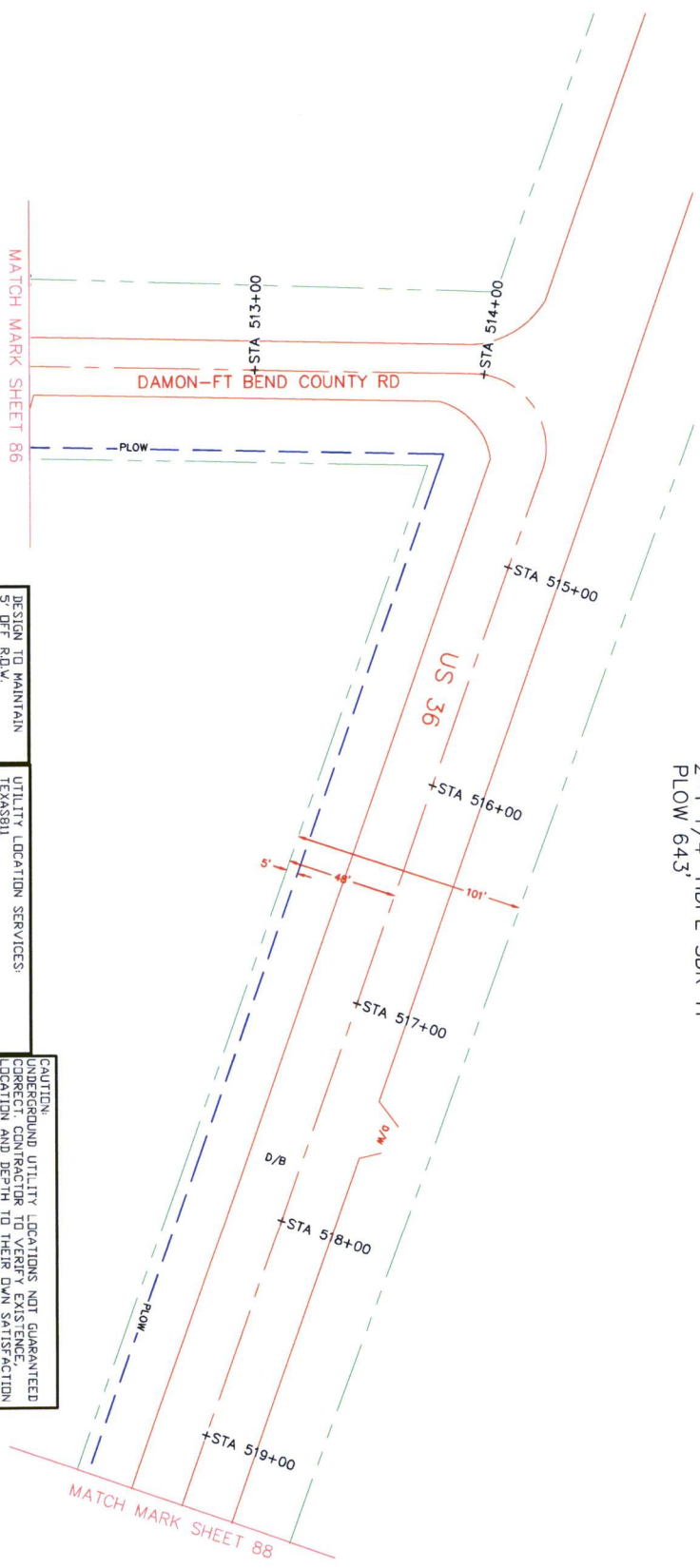
INSTALL ONE (1) 144-COUNT FIBER OPTIC CABLE  
2-1 1/4" HDPE SDR 11  
FLOW 624' BORE 50'



DESIGN TO MAINTAIN 5' OFF R.L.W.		UTILITY LOCATION SERVICES: TEXAS811 CITY UTILITIES: 940-761-4333 CITY TRAFFIC UTILITIES: 940-761-7643		CAUTION: UNDERGROUND UTILITY LOCATIONS NOT GUARANTEED. CORRECT CONTRACTOR TO VERIFY EXISTENCE, LOCATION AND DEPTH TO THEIR OWN SATISFACTION TO AVOID ALL OBSTRUCTIONS PRIOR TO THE START OF CONSTRUCTION.	
DEPTH		PROFILE			
1'-0"					
2'-0"					
3'-0"					
4'-0"					
5'-0"					
TOTAL					

SHEET	86	OF	96
ROUTE			
EXCHANGE			
SERVICE AREA			
MAP REFERENCE			
COMPANY			
PROJECT	MTG2668		
	CO.		
	SEC.		
	TWN.		
	RNG.		
TAX:			
STKD BY:	DATE:		
DATE	REVISION	BY	
NOTES			
REVIEW DRAFT: KM			
FINAL DRAFT: KM			
DATE: 8/14/2014			
DESIGN: SR			
DRAFTED: SR			
CHECKED:			
QA/QC:			
SCALE: 1"=50'			
			
ENGINEERING COMPANY:			
			
12625 E. Euclid Centennial, CO 80111 Tel: 720-344-5577			





DESIGN TO MAINTAIN  
5' OFF R.O.W.

UTILITY LOCATION SERVICES:  
TEXAS811 940-761-4333  
CITY UTILITIES 940-761-7643

CAUTION:  
UNDERGROUND UTILITY LOCATIONS NOT GUARANTEED  
CORRECT. CONTRACTOR TO VERIFY EXISTENCE,  
LOCATION AND DEPTH TO THEIR OWN SATISFACTION  
BEFORE CONSTRUCTION.

PROFILE

DEPTH	
1' 0"	
2' 0"	
3' 0"	
4' 0"	
5' 0"	
TOTAL	

ROUTE  
EXCHANGE  
SERVICE AREA  
MAP REFERENCE  
COMPANY  
PROJECT

CO.  
SEC.  
TWN.  
RNG.  
TAX.

STKD BY: DATE:  
DATE: REVISION BY

NOTES  
REVIEW DRAFT: KM  
FINAL DRAFT: KM

DATE: 8/14/2014  
DESIGN: SR  
DRAFTED: SR  
CHECKED:  
QA/QC:

SCALE: 1"=50'

**MANWEILER**  
TELECOM CONSULTING, INC.

12625 E. Euclid  
Carrollton, CO 80111  
Tel: 720-344-5577





INSTALL ONE (1) 144-COUNT FIBER OPTIC CABLE  
2-1 1/4" HDPE SDR 11  
FLOW 665'



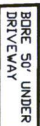
## PROFILE

CAUTION: UNDERGROUND UTILITY LOCATIONS NOT GUARANTEED CORRECT. CONTRACTOR TO VERIFY EXISTENCE, LOCATION AND DEPTH TO THEIR OWN SATISFACTION TO AVOID ALL DESTRUCTIONS PRIOR TO THE START OF CONSTRUCTION.

[illegible]



INSTALL ONE (1) 144-COUNT FIBER OPTIC CABLE  
2-1 1/4" HDPE SDR 11  
FLOW 617' BORE 50'

[illegible][illegible]





CAUTION: UNDERGROUND UTILITY LOCATIONS NOT GUARANTEED CORRECT. CONTRACTOR TO VERIFY EXISTENCE, LOCATION AND DEPTH TO THEIR OWN SATISFACTION TO AVOID ALL OBSTRUCTIONS PRIOR TO THE START OF CONSTRUCTION.

DEPTH

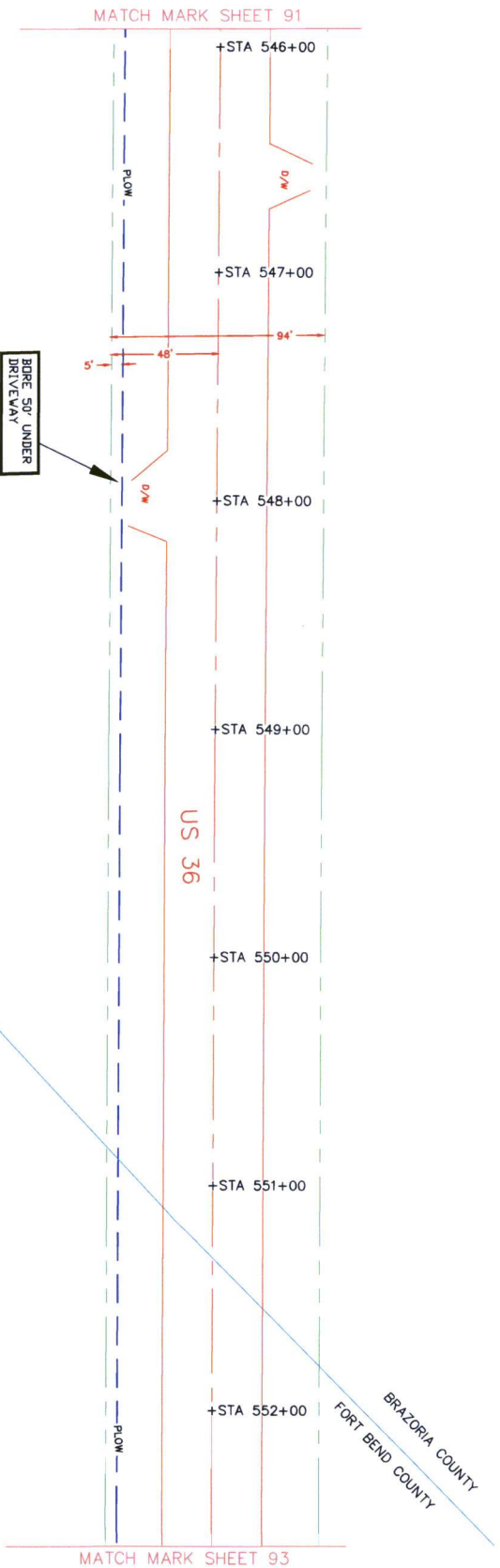
TOTAL

Tel: 720-344-5577

INSTALL ONE (1) 144-COUNT FIBER OPTIC CABLE  
2-1 1/4" HDPE SDR 11  
FLOW 665'

SHEET 92 OF 96

ROUTE



	PROFILE							
DEPTH								
1' 0"								
2' 0"								
3' 0"								
4' 0"								
5' 0"								
TOTAL								

## PROFILE

UTILITY LOCATION SERVICES:  
TEXAS811  
800.875.8747

CAUTION! UNDERGROUND UTILITY LOCATIONS NOT GUARANTEED CORRECT. CONTRACTOR TO VERIFY EXISTENCE, LOCATION AND DEPTH TO THEIR OWN SATISFACTION

CITY UTILITIES: 940-761-4333  
CITY TRAFFIC UTILITIES: 940-761-7643

TO AVOID ALL OBSTRUCTIONS PRIOR TO THE START OF CONSTRUCTION.

**BORE 50' UNDER  
DRIVEWAY**

US 36

BRAZORIA COUNTY  
FORT BEND COUNTY

MATCH MARK SHEET 93

## NOTES

REVIEW DRAFT: KM  
FINAL DRAFT: KM

DATE: 8/14/2014
DESIGN: SR
DRAFTED: SR
CHECKED:
QA/QC:
SCALE: 1"=50'

SCALE: 1"=50'

FiberLight

ENGINEERING COMPANY:



**MTC** MANWEILER  
TELECOM CONSULTING, INC.

12625 E. Euclid  
Centennial, CO 80111  
Tel: 720-344-5577





INSTALL ONE (1) 144-COUNT FIBER OPTIC CABLE  
2-1 1/4" HDPE SDR 11  
PLOW 669'



## PROFİLE

**CAUTION:** UNDERGROUND UTILITY LOCATIONS NOT GUARANTEED CORRECT. CONTRACTOR TO VERIFY EXISTENCE, LOCATION AND DEPTH TO THEIR OWN SATISFACTION TO AVOID ALL OBSTRUCTIONS PRIOR TO THE START OF CONSTRUCTION.

SHEET	93	OF	96
ROUTE			
EXCHANGE			
SERVICE AREA			
MAP REFERENCE			
COMPANY			
PROJECT	MTC52668		
CO.	SEC.		
TMN.	RNG.		
TAX.	BY		
STXD BY:	DATE:	BY	
DATE	REVISION	BY	
NOTES			
REVIEW/DRAFT: KM			
FINAL DRAFT: KM			
DATE: 8/14/2014			
DESIGN: SR			
DRAFTED: SR			
CHECKED:			
QA/QC:			
SCALE: 1"=50'			
ENGINEERING COMPANY:			
			
			
12625 E. Euclid Centennial, CO 80111 Tel: 720-344-5577			



INSTALL ONE (1) 144-COUNT FIBER OPTIC CABLE  
2-1 1/4" HDPE SDR 11  
FLOW 679'



DESIGN TO MAINTAIN 5' DEEP R.O.W.	UTILITY LOCATION SERVICES: TEXAS811 CITY UTILITIES: 940-761-4333 CITY TRAFFIC UTILITIES: 940-761-7643	CAUTION: UNDERGROUND UTILITY LOCATIONS NOT GUARANTEED CORRECT. CONTRACTOR TO VERIFY EXISTENCE, LOCATION AND DEPTH TO THEIR OWN SATISFACTION TO AVOID ALL OBSTRUCTIONS PRIOR TO THE START OF CONSTRUCTION.
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## PROFILE

	DEPTH					
1' 0"						
2' 0"						
3' 0"						
4' 0"						
5' 0"						
TOTAL						

SHEET 94 OF 96

## ROUTE

## EXCHANGE

SERVICE AREA

## MAP REFERENCE

COMPANY \_\_\_\_\_

PROJECT MTC2668

3.8

DEC. 1999

TWN.



RNG.

TAX:

SINL BT:	DATE:
DATE:	REVISION

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## NOTES

REVIEW DRAFT: KM

FINAL DRAFT: KM

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[illegible][illegible][illegible]DATE: 8/14/2014  
DESIGN: CD

DRAFTED: SR

**CHECKED:**

QA/QC:

SCALE: 1"=50'



10

ENGINEERING COMPANY:



**NYC**  
**ADVANCED**



**MAINWEILEN**  
TELECOM CONSULTING

13677 Euclyda

Centennial, CO 80111

11CC-44C-071-131

INSTALL ONE (1) 14-COUNT FIBER OPTIC CABLE  
2-1 1/4" HDPE SDR 11  
FLOW 665'

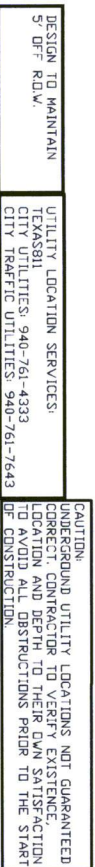
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DESIGN TO MAINTAIN 5' OFF R.O.W.	UTILITY LOCATION SERVICES TEASER1 CITY UTILITIES: 940-761-4333 CITY TRAFFIC UTILITIES: 940-761-7643	CAUTION: UNDERGROUND UTILITY LOCATIONS NOT GUARANTEED CORRECT CONTRACTOR TO VERIFY EXISTENCE, LOCATION, AND DEPTH TO THEIR OWN SATISFACTION TO AVOID ALL OBSTRUCTIONS PRIOR TO THE START OF CONSTRUCTION
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CAUTION: UNDERGROUND UTILITY LOCATIONS NOT GUARANTEED CORRECT. CONTRACTOR TO VERIFY EXISTENCE, LOCATION AND DEPTH TO THEIR OWN SATISFACTION TO AVOID ALL OBSTRUCTIONS PRIOR TO THE START OF CONSTRUCTION.

SHEET		95	OF	96
ROUTE				
EXCHANGE				
SERVICE AREA				
MAP REFERENCE				
COMPANY				
PROJECT		MTC2668		
		CO.		
		SEC.		
		TWN.		
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DATE	REVISION	BY		
<div>NOTES</div> <div>REVIEW DRAFT: KM</div> <div>FINAL DRAFT: KM</div>				
SCALE: 1"=60'				
<div>DATE: 8/14/2014</div> <div>DESIGN: SR</div> <div>DRAFTED: SR</div> <div>CHECKED:</div> <div>QA/QC:</div>				
<div></div>				
<div><b>MTC MANWEILER</b> TELECOM CONSULTING, INC.</div> <div>12625 E. Euclid Centennial, CO 80111 Tel: 720-344-5577</div>				
ENGINEERING COMPANY:				



[illegible]

## PROFILE

DATE: 8/14/2014

DESIGN: SR

DRAFTED: SR

**CHECKED:**

QA/QC:

SCALE: 1"=50'



ENGINEERING COMPANY:



12625 E. Euclid  
Centennial, CO 80111  
Tel: 720-344-5577

SHEET	96	OF	96
ROUTE			
EXCHANGE			
SERVICE AREA			
MAP REFERENCE			
COMPANY			
PROJECT	MTC2668		
	CO.		
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BY

## NOTES

REVIEW DRAFT: KM

FINAL DRAFT: KM