

# 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

	X Right of Way	ay Permit
	Commercial	al Driveway Permit
	Permit No: 2018-2	•
App	Dicant: MCI Metro Access Tranmission Service	es, Corp./Golden Field Services
Job	Location Site: S. University Boulevard, Sugar	r Land, TX 77479
Bor	nd No. Date of Bond: 5/1	/1/2017 Amount: \$50,000.00
Roa Com Texa	ng, Construction, Maintenance, and Repair of Buried ds, Streets, Highways, and Drainage Ditches in Fort E Imissioners Court of Fort Bend County, Texas," as pa	oassed by the Commissioners Court of Fort Bend County, ort Bend County, Texas, to the extent that such order is not
1. 2.	Evidence of review by the Commissioners Court n grounds for job shutdown. Written notices are required: a. 48 hours in advance of construction	
3. 4.	Administrator thru MyGovernment( This permit expires one (1) year from date of perm	rmit if construction has not commenced. ght-of-ways owned and maintained by Fort Bend County only.
0 1		-M
Com notic	his <u>6th</u> day of <u>November</u> , <u>2018</u> , Upon Motion of Conmissioner <u>for the configuration</u> , duly put an ele of said above purpose is hereby acknowledged by said notice be placed on record according to the reg	and carried, it is ORDERED, ADJUDGED AND DECREED that said by the Commissioners Court of Fort Bend County, Texas, and
Signa	ature	Presented to Commissioners Court and approved.
Ву:	County Engineer	Date Recorded 11-13-2018 Comm. Court No. 12L
	N/A	Clerk of Commissioners Court
Ву:		By: Dindy Willis
	Drainage District Engineer/Manager	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 Righ	t of Way Permit	,,,,,,,,	,
Com	mercial Driveway Pe	rmit	
	2018-23058		
T OTTIME TOO	2010 20000		
The following "Notice of Proposed Cable, Condu attachments have been reviewed and the notic of Fort Bend County, Texas.			
(1) COMPLETE APPLICATION FORM:			
X a. Name of road, street, and/or	drainage ditch affecte	d.	
X b. Vicinity map showing course of			
X c. Plans and specifications			
	Anna (m. 2 o E. Alberta and San Anna and San		
(2) BOND:			
County Attorney, approval when applicable.		,	
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 m	neets minimum requi	rements.	
La Efter		10/29/2018	
Permit Administrator		Date	

# MCImetro ACCESS TRANSMISSION SERVICES CORPORATION

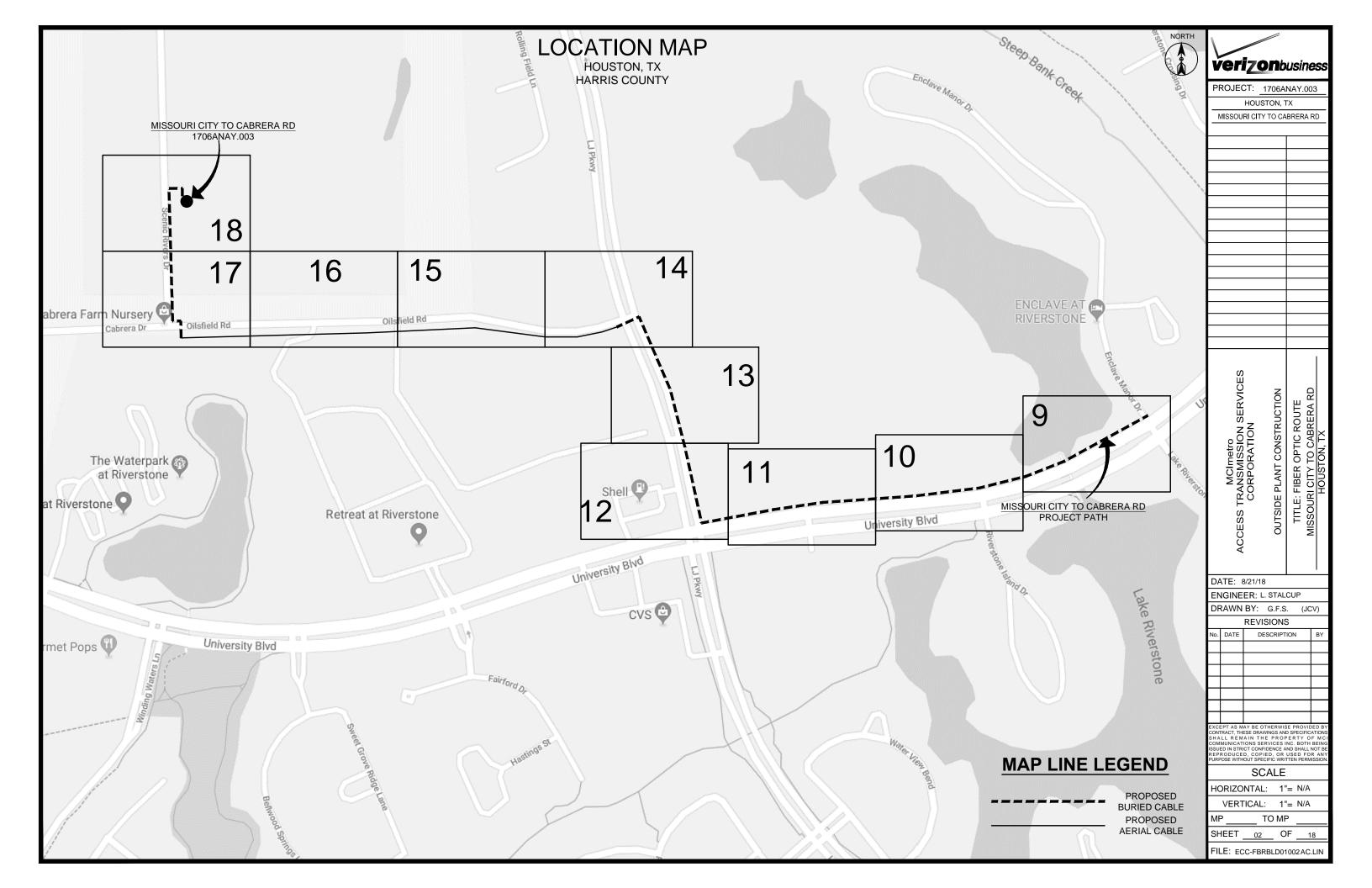
# OUTSIDE PLANT CONSTRUCTION FIBER OPTIC CABLE ROUTE

# ECC FIBER BUILD: 1706ANAY.003 MISSOURI CITY TO CABRERA RD HOUSTON, TX

SITE CODE: HODATX

PROJECT STATUS: CONSTRUCTION

DATE: 8/21/18



## **CONTACT SHEET**

#### MCI

PROJECT ENGINEER:

PROJECT MANAGER:

PROJECT COORDINATOR:

#### **OUTSIDE PLANT CONSTRUCTION:**

CONSTRUCTION CONTRACTOR: ERVIN CABLE CONSTRUCTION 1-844-322-2524 (270) 349-0337 CONSTRUCTION MANAGER: AURELIO MALLAMANCE PROJECT COORDINATOR: BARRY PHILLIPS (918) 688-4168

AGENT: MANAGER:

COORDINATOR: MANAGER:

PROGRAM MANAGER: LIGHTWAVE ENGINEER: CIVIL ENGINEER: TERMINAL CONST. REP.: SPLICING MANAGER: TSO MANAGER:

#### **ENGINEERING CONTRACTOR**

GOLDEN FIELD SERVICES: 10830 EAST 45TH ST. STE. 405 TULSA, OK 74146 OFFICE:

(918) 610-0014 (918) 610-0016

PRESIDENT:

JERRY JEFFRIES, SR.

OFFICE: CELL: E-MAIL

(918) 610-0014 (918) 638-3317 JLJEFFRIES@GOLDENFIELDSERVICES.COM

PROJECT MANAGER:

LARRY STALCUP

OFFICE: CELL:

(918) 610-0014 (918) 633-2198 LSTALCUP@GOLDENFIELDSERVICES.COM E-MAIL

NAME OF FIRM: PROJECT COORDINATOR: PROJECT SUPERINTENDENT:

#### **RAILROADS**

UNION PACIFIC RAILROAD

DANIEL PETERS

(402) 544-8620

1-800-545-6005

#### UTILITIES

MCI UTILITY LOCATE 1-800-624-9675

TEXAS ONE CALL SYSTEM (UTILITY LOCATES)

NON MEMBERS:

#### **CITY GOVERNMENT**

CITY OF HOUSTON
- SANITARY SEWER

TRAFFICROAD & BRIDGESTORM QUALITY

(832) 394-9123 (832) 394-9124 (832) 394-9128 (832) 394-9132 (832) 394-9134 MIKE NOWROOZI SAM HABIBI NAEEM HUSAIN RICK KOVACICH ZIA MOHAMMADI ROBERTO GOMEZ (832) 394-9160 BILL CROUCH (832) 394-9161

#### **COUNTY GOVERNMENT**

HARRIS COUNTY

#### STATE GOVERNMENT

#### FEDERAL GOVERNMENT

N/A

**OTHER** 

N/A



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

SCALE HORIZONTAL: 1"= N/A VERTICAL: 1"= N/A TO MP SHEET \_\_03\_\_ OF \_\_18\_

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#### **GENERAL NOTES / CLARIFICATION NOTES**

#### **GENERAL NOTES**

- 1. VERIZON BUSINESS COMPRISES THE FOLLOWING OPERATING ENTITIES:
  - MCI COMMUNICATIONS SERVICES, INC.
  - MCI METRO COMMUNICATIONS SERVICES, INC.
  - MCI METRO ACCESS TRANSMISSION SERVICES OF VIRGINIA, INC.
  - MCI METRO ACCESS TRANSMISSION SERVICES OF MASSACHUSETTS, INC.
  - METROPOLITAN FIBER SYSTEMS OF NEW YORK, INC.
- 2. ALL WORK TO BE PERFORMED IN STRICT ACCORDANCE WITH THE APPLICABLE CODES OR REQUIREMENTS OF ANY REGULATING GOVERNMENTAL AGENCY, VERIZON BUSINESS AND THE RIGHT-OF-WAY GRANTOR.
- LOCATIONS OF SOME OF THE PHYSICAL FEATURES WERE OBTAINED FROM DATED RAILROAD EVALUATION MAPS OR OTHER DRAWINGS AND MAY NOT BE AS SHOWN OR DEPICTED ON THESE DRAWINGS.
- 4. UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND FIELD OBSERVATIONS BUT ARE NOT NECESSARILY EXACT. THEREFORE, UTILITY LOCATIONS WILL BE VERIFIED AT LEAST 100 FEET IN ADVANCE OF TRENCHING OR PLOWING, SO THAT CHANGES IN CABLE PLACEMENT CAN BE MADE IN THE EVENT OF CONFLICT.
- 5. ALL KNOWN BURIED OBSTRUCTIONS ARE SHOWN ON THE CONSTRUCTION DRAWINGS. ANY AND ALL OTHERS ENCOUNTERED ARE ALSO THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE, PROTECT AND REPAIR IF DAMAGED.
- 6. ANY AND ALL IMPROVEMENTS, SUCH AS ASPHALT OR CONCRETE PAVEMENT, CURBS, GUTTERS, WALKS, DRAINAGE DITCHES, EMBANKMENTS, SHRUBS, TREES, GRASS SOD, ETC., IF DAMAGED, SHALL BE RESTORED TO ORIGINAL CONDITION.
- EQUIPMENT TYPES SPECIFIED HEREIN (IE: "BACKHOE", SWAMP PLOW" ETC.) ARE SUGGESTIONS ONLY AND ARE NOT INTENDED AS REQUIREMENTS. CONTRACTOR WILL BE NOTIFIED AS TO EXPECTATIONS.
- 8. SHORING OF BORE PITS AND TRENCHES IN ACCORDANCE WITH OSHA REGULATIONS IS MANDATORY.
- BURIED CABLE MARKERS WILL BE PLACED AT ALL UNDERGROUND UTILITY LOCATIONS AND ALL OTHER LOCATIONS IN ACCORDANCE WITH THE CONSTRUCTION DRAWINGS AND THE OUTSIDE PLANT HANDBOOK.
- 10. ALL 4" ID CONDUIT WILL BE SCHEDULE 40 (EG.: PVC OR GSP/BSP), OR AS SPECIFIED.
- UNDERGROUND CONDUIT WILL BE PLACED AT 48" MINIMUM COVER UNLESS OTHERWISE SPECIFIED ON THE CONSTRUCTION DRAWINGS.

#### **CLARIFICATION NOTES**

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- 1. STATION
- 2. LOCATION
- . CLARIFICATION NO. AND MINIMUM COVER
- 4. QUANTITY LINEAR FOOTAGE/SQUARE FOOTAGE, SIZE OF MANHOLE/HANDHOLE SIZE OF PULL/SPLICE BOX, DIMENSION OF WALL, HEIGHT/CLASS/TYPE OF POLE
- 5. TYPICAL DRAWING NO. AND TYPICAL DETAIL DRAWING NUMBER
- 6. PLANT ACCOUNTING CODE
- 7. SPECIFIED CONDUIT, HANDHOLE/MANHOLE NO., SPECIFIED PURPOSE AND MATERIAL, BRIDGE NO. AND RAILROAD STATION, MATERIAL, POLE NO.

#### **ADDENDUM NOTES**

#### **CLARIFICATION NOTES (CONTINUED)**

100	110	JACK AND DRY BORE CONDUIT(S)
200	210 212	PLACE CONDUIT PLACE HIGH DENSITY POLYETHYLENE (HDPE)
	212	ROCK ADDER
	214	SLURRY BACKFILL ADDER
	214	EXPOSE CONDUIT
	216	EXPOSE CONDUIT AND RELOCATE
	217	EXPOSE CONDUIT AND RELOCATE  EXPOSE CONDUIT AND REPLACE/SUBSTITUTE
	217	EXPOSE AND REMOVE CONDUIT
	219	EXPOSE AND REMOVE CONDUIT (ABANDONED)
	220	CONCRETE ENCASE
	221	REMOVE CONCRETE ENCASEMENT
	222	REMOVE CONCRETE CAP
	240	PLACE HANDHOLE
	244	REMOVE EXISTING HANDHOLE
	245	RELOCATE HANHOLE
	246	REPLACE/SUBSTITUTE HANDHOLE
	247	EXCAVATE SPLICE PIT
	250	PLACE MANHOLE
	252	REMOVE EXISTING MANHOLE
	255	RELOCATE PRECAST MANHOLE
	256	REPLACE/SUBSTITUTE PRECAST MANHOLE
	180	CONSTRUCT WALL
	270	REMOVE AND RESTORE ASPHALT
	280	REMOVE AND RESTORE CONCRETE
	281	REMOVE AND RESTORE SIDEWALK
	282	REMOVE AND RESTORE CURBING
300	310	ATTACH CONDUIT TO WALL OR STRUCTURE
300	315	DETACH CONDUIT FROM WALL OR STRUCTURE
	320	CORE BORE
	330	ATTACH PULL/SPLICE BOX TO WALL OR STRUCTURE
400	410	PULL CABLE
400	411	PULL THROUGH DUCT (INNERDUCT)
	415	REMOVE CABLE FROM CONDUIT
	420	REPOSITION ACTIVE CABLE SLACK
	420	REPOSITION ACTIVE CABLE SLACK
500	510	DIRECT BURY CABLE
	515	EXPOSE DIRECT BURIED CABLE
	516	EXPOSE DIRECT BURIED CABLE AND RELOCATE
	517	REMOVE AND DISPOSE OF CABLE
	520	PLACE AERIAL CABLE
	525	RELOCATE AERIAL CABLE
	518	DELASH AERIAL CABLE
	527	RELASH AERIAL CABLE
	528	REMOVE AERIAL CABLE
	530	PLACE POLE/PUSH BRACE
	535	REMOVE POLE/PUSH BRACE
600	610	JETTING CONDUIT
	620	EMBEDMENT PLOW
	630	DIRECTIONAL BORE
700	710	PLACE BURIED CABLE MARKERS AND SIGNS/MWCOM
		WATER CROSSING SIGNS
	711	PLACE ISOLATOR/PROTECTION SYSTEM AT EXISTING
	713	HANDHOLES/MANHOLES
	712	REMOVE BURIED CABLE MARKER POST/HARDWARE
	714	REMOVE CONCRETE BURIED CABLE MARKER POST



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#### MCI OUTSIDE PLANT FOCUS

#### FIBER OPTIC CABLE UNCOVERING SYSTEM

- 1. THE TITLE OF THIS PROGRAM, <u>F.O.C.U.S.</u>, AN ACRONYM FOR "<u>FIBER OPTIC CABLE UNCOVERING SYSTEM</u>," WAS SELECTED TO REMIND EVERYONE INVOLVED WITH WORKING NEAR MCI'S ACTIVE FIBER OPTIC SYSTEMS TO FOCUS ON PROTECTING THE FACILITIES. IF, DURING THE COURSE OF THE PROJECT, YOU NOTICE ANY ACTIVITY WHICH MAY JEOPARDIZE THE MCI OSP FACILITIES, IT IS YOUR DUTY TO STOP THE WORK AND RE-F.O.C.U.S.
- F.O.C.U.S. RULES MUST BE FOLLOWED ON ALL MCI PROJECTS INVOLVING WORK ON OR NEAR MCI OSP FACILITIES. SAFETY IS MCI'S NUMBER ONE PRIORITY; EVERYONE MUST REFRAIN FROM UNSAFE AND IMPROPER PRACTICES.
- 3. REVIEW OF F.O.C.U.S. IS MANDATORY AT EVERY PRE-BID, PRE-CONSRUCTION SITE MEETING AND DAILY TAILGATE MEETING. F.O.C.U.S. DISCUSSION MUST INCLUDE SITE-SPECIFIC HISTORY, UNIQUE PROBLEMS, FACILITY CONFIGURATIONS THAT MAY BE ENCOUNTERED, AND PAST ERRORS. "THOSE WHO DO NOT LEARN FROM HISTORY ARE DOOMED TO REPEAT IT." DO NOT LET THIS HAPPEN TO YOU.
- 4. ANY WORK NEAR OR REQUIRING HANDLING OF MCI OUTSIDE PLANT FACILITIES CAN ONLY BE PERFORMED WITH AN MCI EMPLOYEE OR CONTRACT REPRESENTATIVE PRESENT -- THIS MEANS OUT OF HIS OR HER VEHICLE AND DIRECTLY MONITORING THE WORK. THE REPRESENTATIVE MUST HAVE A PROPERLY OPERATING CABLE LOCATOR CHECKED FOR ACCURACY EVERY DAY PRIOR TO COMMENCEMENT OF WORK (COMPARISON OF LINE AND DEPTH READINGS TO ACTUAL LINE AND DEPTH OF THE CABLE).
- 5. LOCATE AND POTHOLE REQUIREMENTS:
  - PRIOR TO ANY EXCAVATION, THE MCI EMPLOYEE OR CONTRACT REPRESENTATIVE MUST VERIFY THE INITIAL LOCATE MARKS COMPLETED BY MCI OPERATIONS. DO NOT TRUST LOCATE RESULTS COMPLETED BY OTHERS THE MCI OR CONTRACT REPRESENTATIVE MUST LOCATE THE CABLE RUNNING LINE BY MAKING AT LEAST ONE PASS IN EACH DIRECTION. LOCATE RESULTS MUST THEN BE COMPARED WITH PREVIOUS MARKS AND THE AS-BUILTS.
  - IF THE PROPOSED WORK INVOLVES DIGGING OR EXCAVATING WITHIN 3 FEET OF THE CABLE, THE CABLE ROUTE WILL BE MARKED CONTINUALLY WITH ORANGE PAINT AND SUPPLEMENTED BY MARKER FLAGS PLACED EVERY 10 FT. THE EXCAVATION CONTRACTOR MUST POTHOLE (ALL POTHOLES MUST BE COMPLETED BY HAND DIGGING OR VACUUM EXCAVATION) A MINIMUM OF EVERY 15 FT., THEN EXPOSE THE ENTIRE LENGTH OF THE CABLE BY HAND DIGGING OR VACUUM EXCAVATION.
  - IF THE PROPOSED WORK INVOLVES DIGGING OR EXCAVATING WITHIN 5 FEET (BUT NOT CLOSER THAN 3 FEET) OF THE CABLE, THE CABLE ROUTE WILL BE MARKED CONTINUALLY WITH ORANGE PAINT AND SUPPLEMENTED BY MARKER FLAGS PLACED EVERY 10 FT. THE EXCAVATION CONTRACTOR MUST POTHOLE THE CABLE A MINIMUM OF EVERY 15 FT.
  - IF THE PROPOSED WORK INVOLVES DIGGING OR EXCAVATING WITHIN 5 FEET (BUT NOT CLOSER THAN 3 FEET) OF THE CABLE, THE CABLE ROUTE WILL BE MARKED CONTINUALLY WITH ORANGE PAINT AND SUPPLEMENTED BY MARKER FLAGS PLACED EVERY 10 FT. THE EXCAVATION CONTRACTOR MUST POTHOLE THE CABLE A MINIMUM OF EVERY 15 FT.
  - THE CABLE WILL ALSO BE POTHOLED AT ANY CHANGE IN THE RUNNING LINE OF MORE THAN 1 FT.
     IN ANY DIRECTION, ANYTIME THE ACCURACY OF THE ELECTRONIC LOCATE IS QUESTIONED, OR
     THE MARKED RUNNING LINE DOES NOT MATCH THE AS-BUILTS.
- 6. EXPOSING REQUIREMENTS:
  - NO MECHANICAL EXCAVATION WITHIN 3 FT. OF OSP FACILITIES WILL BE ALLOWED UNLESS THE FACILITIES HAVE FIRST BEEN PROPERLY LOCATED, POTHOLED, POSITIVELY IDENTIFIED, CONTINUOUSLY EXPOSED BY HAND DIGGING OR VACUUM EXCAVATION, AND THE FACILITES ARE CLEARLY VISIBLE.
  - IN ADDITION, MECHANICAL EXCAVATION WITHIN 3 FT. OF OSP FACILITIES REQUIRES ON-SITE PRIOR APPROVAL FROM MCI'S EMPLOYEE OR CONTRACT REPRESENTATIVE.
- 7. PLEASE REFER TO THE LATEST EDITION OF THE MCI OSP HANDBOOK FOR ADDITIONAL DETAILS. KNOW IT AND FOLLOW IT.

#### MCI OUTSIDE PLANT CONSTRUCTION GENERAL REQUIREMENTS

- ALL FEDERAL, STATE AND LOCAL SAFETY REGULATIONS MUST BE FOLLOWED WITHOUT EXCEPTION.
- PERSONAL PROTECTIVE EQUIPMENT APPROPRIATE FOR THE SPECIFIC WORK SITE SHALL BE USED AT ALL TIMES. AT A MINIMUM, HARD HAT, SAFETY SHOES/STEEL-TOED BOOTS, AND FLORESCENT ORANGE OR GREEN WORK VEST ARE REQUIRED UPON ENTERING ANY MCI WORK SITE.
- USE OF INTOXICANTS, DRUGS, INHALANTS OR ANY OTHER SUBSTANCES THAT MAY IMPAIR ALERTNESS ARE STRICTLY PROHIBITED.
- CONTRACTORS ARE NOT ALLOWED TO CUT ANY CABLE. CABLES SCHEDULED FOR REMOVAL WILL BE CUT BY MCI OPERATIONS PERSONNEL, AND ONLY AFTER VERIFICATION THAT ALL TRAFFIC HAS BEEN OFF-LOADED.
- EXTREME CAUTION MUST BE USED AT ALL TIMES WHEN WORKING ON OR NEAR ACTIVE CABLES. AN MCI EMPLOYEE OR CONTRACT REPRESENTATIVE MUST APPROVE AND BE PRESENT PRIOR TO AND DURING ALL CABLE HANDLING ACTIVITIES.
- TOOLS AND EQUIPMENT SPECIFICALLY DESIGNED FOR THE JOB AT HAND ARE REQUIRED. USE THE PROPER TOOL FOR THE JOB.
- CONDUIT WORK INVOLVING ACTIVE CABLES REQUIRES SPECIALIZED TOOLS SPECIFICALLY DESIGNED TO ACCESS DUCTS WITH ACTIVE CABLES.
- PROTECTING MCI FACILITIES IS EXTREMELY IMPORTANT; HOWEVER, SAFETY REGARDING YOURSELF AND OTHERS IS THE MOST IMPORTANT PART OF ANY PROJECT.

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# CLARIFICATION SUMMARY SHEET PROJECT SPECIFIC

PROJECT CLARIFICATION SUMMARY		
DESCRIPTION	QUANTITY	UNIT
PLACE (24"x36"x24") HANDHOLE	12	EA
PLACE 1-2" HDPE (SDR 11) CONDUIT	4,056	LF
PULL 1-144F CABLE (4,056' IN NEW CONDUIT, 130' IN EXISTING, 50' IN RISERS & 1080' IN COILS)	5,266	LF
ATTACH (25') 2" U-GUARD RISER	2	EA
(PLACE) DOWN GUY & ANCHOR	4	EA
PLACE 1-6M AERIAL STRAND (INCLUDES ALL HARDWARE, LOOP EQUIPMENT, & 100' IN GUYS)	1,863	LF
LASH 1-144F CABLE (100' CABLE IN SLACK LOOPS)	1,863	LF
PLACE (BURIED CABLE) MARKER	6	EA



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

No. DATE DESCRIPTION

**REVISIONS** 

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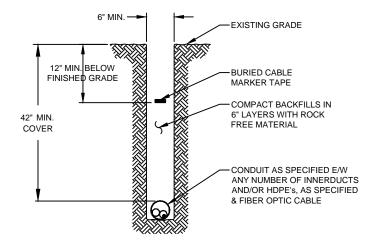
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#### SYMBOLS KEY EXISTING PROPOSED **Veri70n**business **EXISTING PROPOSED** PROJECT: 1706ANAY.003 DIRECT BURIED CABLE STEEL MARKER AND SIGN-(A) ALUMINUM "HUB"-STYLE MARKER-(B) HOUSTON, TX FLAT MARKER-(C) AERIAL CABLE MISSOURI CITY TO CABRERA RD TUBULAR MARKER-(D) (A) (B) (C) (D) (B) (C) (D) TUBULAR MARKER, & ISOLATOR PROTECTOR-(E) - SUBM -(21) SUBMARINE CABLE - SUBM -FOGWIRE CABLE -FOGW--FOGW-MILE POST MARKER NOTE: DASHED = NOT FOUND IN FIELD DIRECT BURIED HDPE PVC OR SPLIT PVC CONDUIT PERMIT TRACKING FORM IDENTIFIER \ 187 , BSP/GSP OR SPLIT BSP/GSP CONDUIT (42") ROCK PROBE (DEPTH AS INDICATED) STEEL CASING XXXXXXXXXXXXXXXXXXXXXXX (48") (48") UTILITY COVER DEPTH REMOVE AND RESTORE ASPHALT OR CONCRETE ..... (WIDTH AS INDICATED) HANDHOLE, MANHOLE OR PULLBOX POLE CORE BORE ANCHOR ONLY JACK AND BORE MCImetro TRANSMISSION SERVICES CORPORATION **GUY ONLY** DIRECTIONAL BORE (& PLACE CONDUIT) CONSTRUCTION OHG 92' 10M OHG \_ 92' 10M OPTIC ROUTE TO CABRERA R TON, TX OVERHEAD GUY (ARROW IN DIRECTION OF PULL) **FUTURE CABLE** ---ANCHOR AND GUY REMOVE CABLE SIDEWALK ANCHOR AND GUY TO BE REMOVED OR ABANDONED (SHOWN FOR HDPE) FIBER ( FOREIGN ANCHOR AND GUY AERIAL UTILITY (ELECTRIC) 30'-5-84 30'-5-84 TITLE: F MISSOURI PUSH BRACE (EXISTING POLE) UNDERGROUND UTILITY (TELEPHONE) ACCOUNT CODE CHANGE (BURIED TO AERIAL) $\overline{\phantom{a}}$ MAIN TRACKS **AUXILLARY TRACKS** (R) $\mathbb{R}$ RISER ATTACHMENT LOCATION DATE: 8/21/18 CENTERLINE BOND AND GROUND ENGINEER: L. STALCUP III B&G B&G DRAWN BY: G.F.S. (JCV) RIGHT-OF-WAY 12" REVISIONS CULVERT (SIZE AS INDICATED) EDGE OF ROADWAY (GENERIC) DESCRIPTION -EOP-**-**EOP **-**EDGE OF PAVEMENT **BRIDGE** BOC -BOC — BACK OF CURB WATER METER $\otimes$ 8 DITCH LINE GAS VALVE TAX, CITY, COUNTY, OR STATE BOUNDARY LINE PROPERTY LINE FIRE HYDRANT SCALE FENCE LINE F/L —O— F/L F/L —O— $\Box$ RAILROAD SIGNAL CONTROL BOX HORIZONTAL: 1"= N/A **GUARDRAIL** VERTICAL: 1"= N/A TO MP TOP OF SLOPE **CAUTION NOTE** SHEET OF 18 05 TOE OF SLOPE FILE: ECC-FBRBLD01005AC.LIN

#### **CONSTRUCTION DETAILS**

#### TYPICAL DETAIL"A"

TRENCH & PLACE CONDUIT



#### TYPICAL DETAIL "B"

CROSS SECTION OF PROPOSED HDPE

CONDUIT AS SPECIFIED

E/W ANY NUMBER OF

INNERDUCTS AND /OR

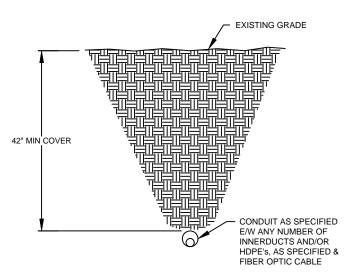
HDPE's AS SPECIFIED

PROPOSED FIBER

OPTIC CABLE

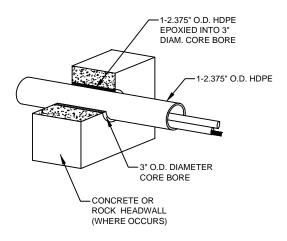
#### TYPICAL DETAIL "C"

## DIRECTIONAL BORE CROSS SECTION FOR CONDUIT



#### TYPICAL DETAIL "D"

3" CORE BORE



#### NOTE

EPOXY GROUT IS USED AT BOTH ENDS OF CORE BORE TO SEAL GAP BETWEEN 2.375" CONDUIT AND PVC SLEEVE.



		NAY.003
HOUS	TON, T	X
MISSOURI CITY	TO CA	BRERA RD
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MCImetro ACCESS TRANSMISSION SERVICES CORPORATION	OUTSIDE PLANT CONSTRUCTION	TITLE: FIBER OPTIC ROUTE MISSOURI CITY TO CABRERA RD HOUSTON, TX
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DATE: 8/21/18		
ENGINEER: L.		
DRAWN BY:		
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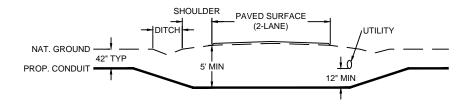
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#### TYPICAL CROSSING PROFILE DETAILS: UNDERGROUND

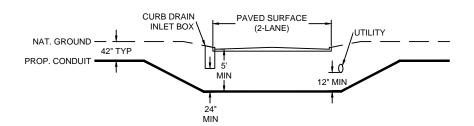
#### TYPICAL DETAIL "A"

TWO LANE - ASPHALT ROAD - NO CURB



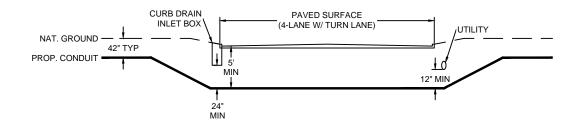
#### TYPICAL DETAIL "B"

TWO LANE - CURBED ROAD



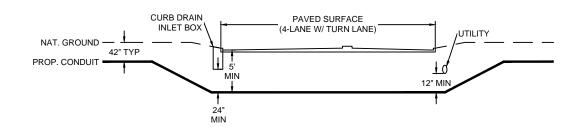
#### TYPICAL DETAIL "C"

FOUR LANE (W/ TURN LANE) - CURBED ROAD - NO MEDIAN



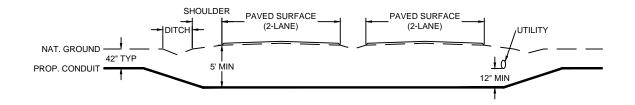
#### TYPICAL DETAIL "D

FOUR LANE (W/ TURN LANE) - CURBED ROAD - WITH MEDIAN



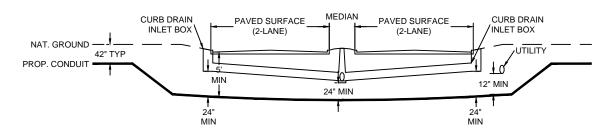
#### TYPICAL DETAIL "E"

4 LANE - SPLIT ASPHALT ROAD - NO CURB



#### TYPICAL DETAIL "F"

4 LANE - SPLIT CURBED ROAD



# verizonbusiness

MCImetro CORPORATION OUTSIDE PLANT CONSTRUCTION TITLE: FIBER OPTIC ROUTE MISSOURI CITY TO CABRERA RD MISSOURI CITY TO CABRERA RD HOUSTON TX HOUSTON TX				
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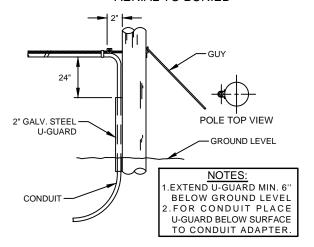
CONTRACT, THESE DRAWINGS AND SPECIFICATION SHALL REMAIN THE PROPERTY OF M COMMUNICATIONS SERVICES INC. BOTH BEIN SSUED IN STRICT CONFIDENCE AND SHALL NOT KEPRODUCED, COPIED, OR USED FOR AN UURPOSE WITHOUT SPECIFIC WRITTEN PERMISSIC

SCALE HORIZONTAL: 1"= N/A VERTICAL: 1"= N/A TO MP OF 18 SHEET 6A FILE: ECC-FBRBLD01006BC.LIN

#### GENERAL AERIAL CONSTRUCTION DETAILS

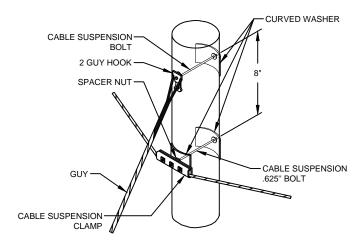
#### TYPICAL DETAIL "A"

#### POLE ARRANGEMENT FOR **AERIAL TO BURIED**



#### TYPICAL DETAIL "D"

#### SUSPENSION STRAND - PULL TOWARD POLE - LESS THAN 5 FEET



#### TYPICAL DETAIL "G"

JOINING 045 LASHING WIRE



#### FORMING WIRE OVER STUD OF CLAMP

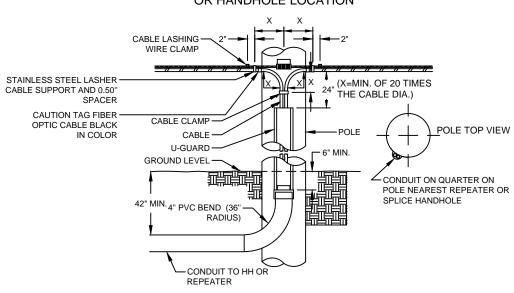
REMOVE ANY SLACK IN THE LASHING WIRE BY MAINTAINING A PULL ON THE WIRE AND TAPPING THE STRAND SHARPLY. THEN FORM THE WIRE OVER THE STUD AND TIGHTEN THE NUT. CUT THE FREE END OF THE LASHING WIRE OFF 0.75" BEYOND THE END OF THE CLAMP.

#### FORMING LASHING WIRE **AROUND STRAND**

FORM THE LASHING WIRE AROUND THE STRAND AND PLACE IT BELOW THE STUD AND BETWEEN THE SECOND WASHER AND STUD SHOULDER

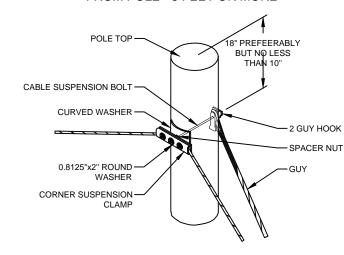
#### TYPICAL DETAIL "B"

#### POLE ARRANGEMENT FOR REPEATER OR HANDHOLE LOCATION



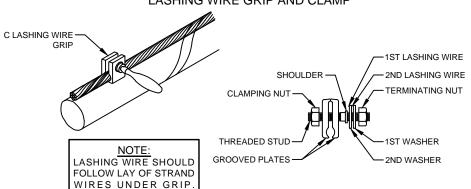
#### TYPICAL DETAIL "E"

#### SUSPENSION STRAND - PULL AWAY FROM POLE - 5 FEET OR MORE



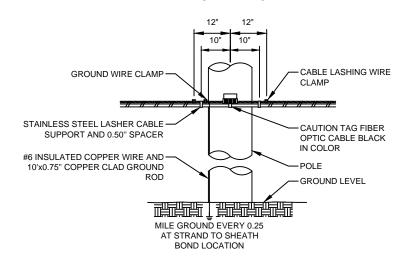
#### TYPICAL DETAIL "H"

#### LASHING WIRE GRIP AND CLAMP



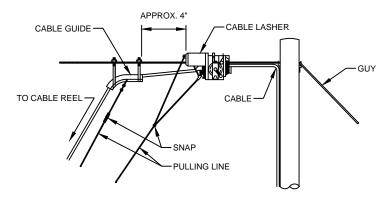
#### TYPICAL DETAIL "C"

#### TYPICAL CABLE & HARDWARE INSTALLATION



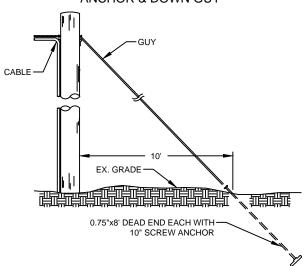
#### TYPICAL DETAIL "F"

#### TYPICAL ARRANGEMENT OF CABLE LASHER AND CABLE GUIDE



#### TYPICAL DETAIL "I'

#### **ANCHOR & DOWN GUY**



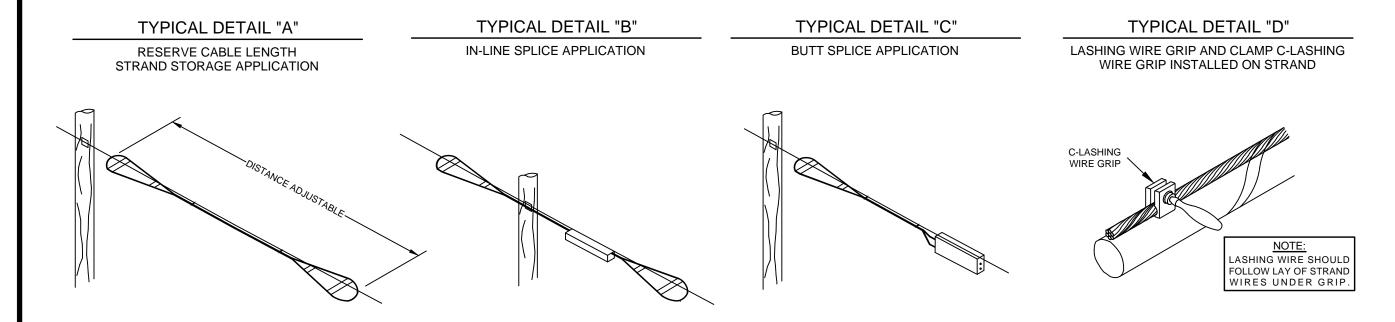
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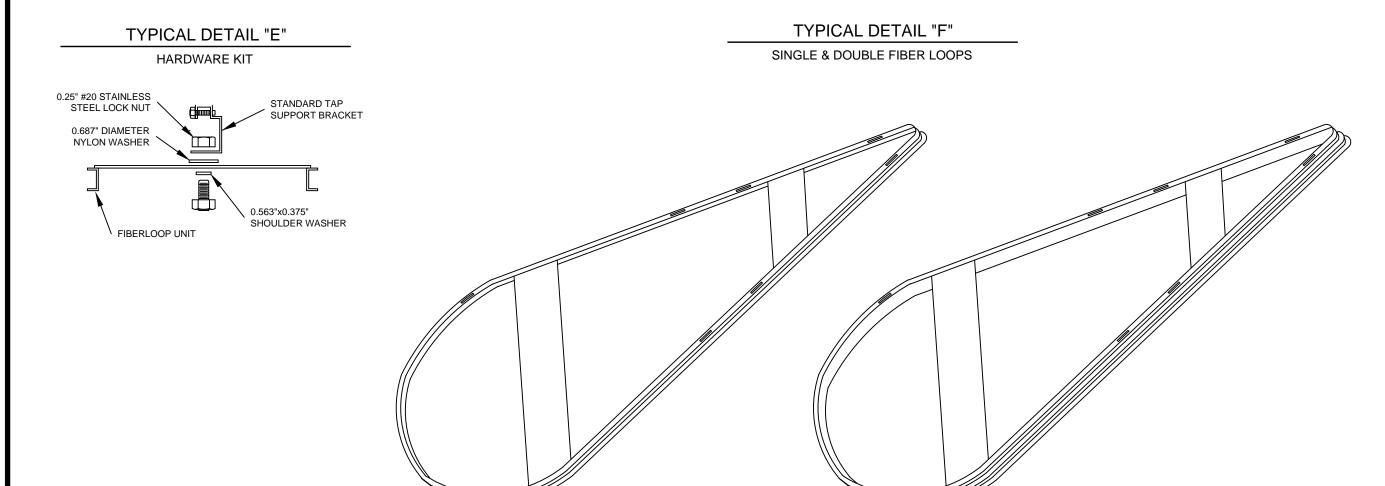
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#### **AERIAL IN-LINE SLACK STORAGE DETAILS**





# verizonbusiness PROJECT: 1706ANAY.003 HOUSTON, TX MISSOURI CITY TO CABRERA RD MCImetro ACCESS TRANSMISSION SERVICES CORPORATION DATE: 8/21/18 ENGINEER: L. STALCUP DRAWN BY: G.F.S. (JCV)

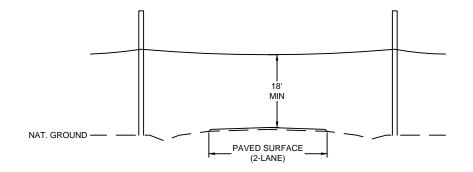
REVISIONS

DESCRIPTION

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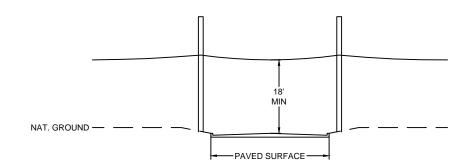
#### TYPICAL CROSSING PROFILE DETAILS: AERIAL

TYPICAL DETAIL "A" TWO LANE - ASPHALT ROAD - NO CURB



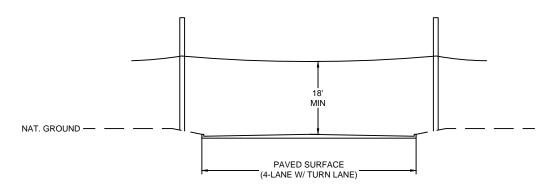
TYPICAL DETAIL "B"

TWO LANE - CURBED ROAD



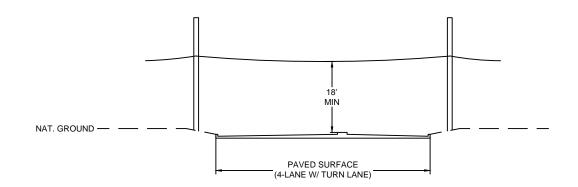
TYPICAL DETAIL "C"

FOUR LANE (W/ TURN LANE) - CURBED ROAD - NO MEDIAN



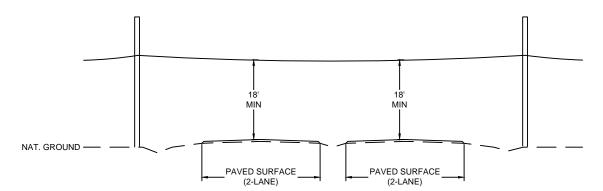
TYPICAL DETAIL "D

FOUR LANE (W/ TURN LANE) - CURBED ROAD - WITH MEDIAN



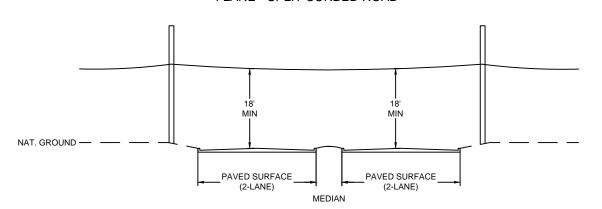
#### TYPICAL DETAIL "E"

4 LANE - SPLIT ASPHALT ROAD - NO CURB



#### TYPICAL DETAIL "F"

4 LANE - SPLIT CURBED ROAD





PROJECT:	1706AI	NAY.	.003
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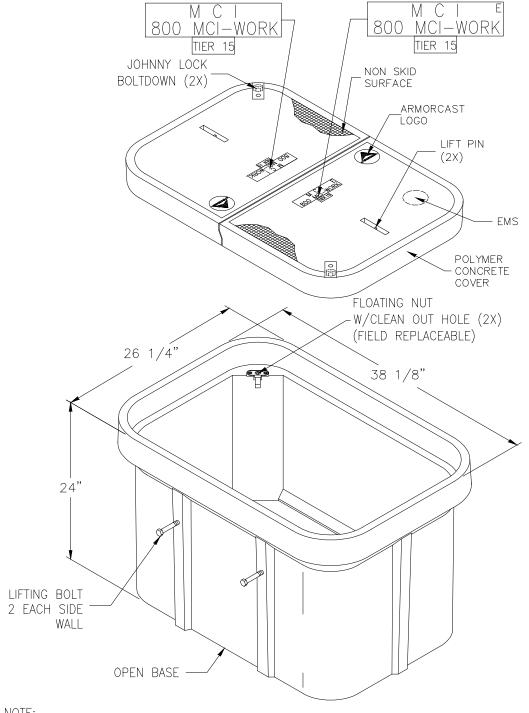
DRAWN BY: G.F.S. (JCV)

REVISIONS

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### 24" x 36" x 24" POLYMER CONCRETE BOX ASSEMBLY



NOTE:
BOX AND COVER ASSEMBLY MEET
ANSI/SCTE 77 TIER 15 LOADING

A6-197	13230 Saticoy Street, North Hollywood, CA 91605 (818) 982-3600  ARMOROSS® PRODUCTS COMPANY  THE INFORMATION IN THIS DRAWING IS CONFIDENTIAL. THE DRAWING IS NOT TO BE		PART DES	X 36"	X 24" POLYM	IER CONCRETE BOX ASSEMBLY
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₹	RMORCAST® PRODUCTS COMPANY		VERIZ	ON		
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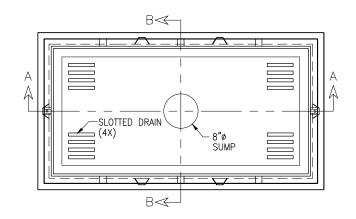
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EXCEPT AS MAY BE OTHERWISE PROVIDED BY CONTRACT, THESE DRAWINGS AND SPECIFICATIONS SHALL REMAIN THE PROPERTY OF MCI COMMUNICATIONS SERVICES INC. BOTH BEING ISSUED IN STRICT CONFIDENCE AND SHALL NOT BE REPRODUCED, COPIED, OR USED FOR ANY PURPOSE WITHOUT SPECIFIC WRITTEN PERMISSION.

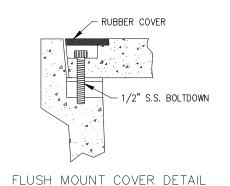
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#### 30" x 60" x 30" 30K STANDARD HANDHOLE DETAILS

#### DETAIL "A" LOCKING DEVICE **CROSS SECTION**



#### DETAIL "B" FLUSH MOUNT **COVER DETAIL**



# EXPLODED ISOMETRIC DETAIL

ARMORCAST

LOGO

LIFTING BOLT - 2 EACH SIDE

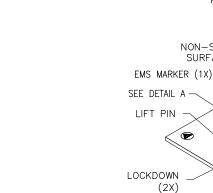
- OPEN BASE

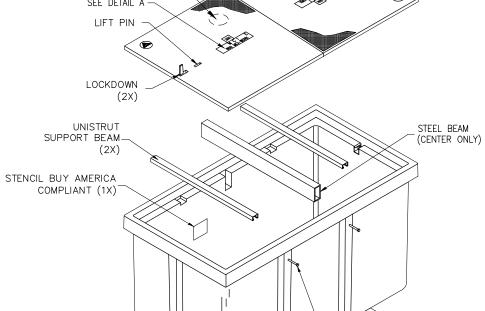
POLYMER CONCRETE DETACHABLE BASE

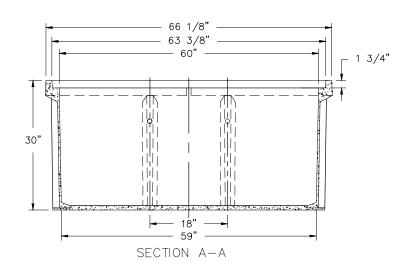
FLUSH MOUNT POLYMER CONCRETE-

SEE DETAIL B

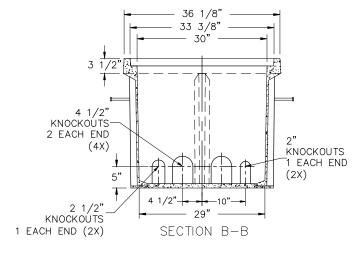
NON-SKID SURFACE DETAIL "C"











SEALED PLASTIC BAG PLACED INSIDE VAULT TO CONTAIN

#### ITEM QTY

(1) JOHNNY LOCK KEY

(2) S.S. JOHNNY BOLTS W/FLAT WASHER.

SHRINK WRAP COVERS TO FRAME FOR PACKAGING.

#### 30K STANDARD HANDHOLE

DRAIN (4X)-

30"x60"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

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<b>verizon</b> business	
PROJECT: 1706ANAY.003	
HOUSTON, TX	
MISSOURI CITY TO CABRERA RD	

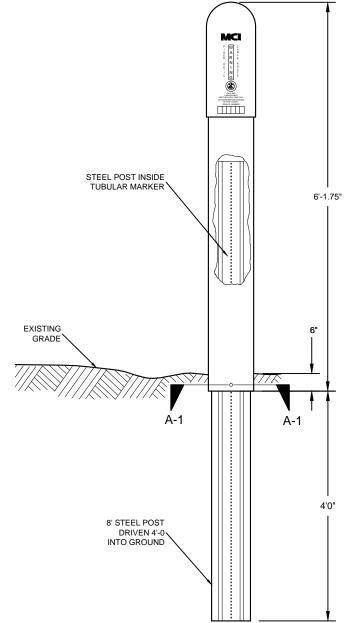
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HORIZONTAL: 1"= N/A

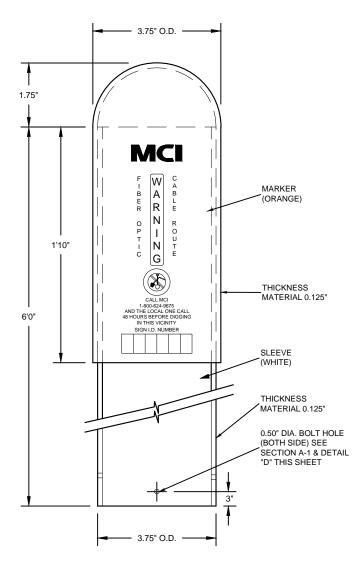
VERTICAL: 1"= N/A TO MP SHEET \_\_07A\_\_ OF \_\_18 FILE: ECC-FBRBLD01007 AC.LIN

## TUBULAR MARKER DETAILS



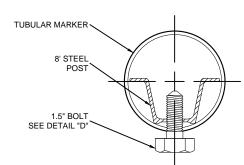


# DETAIL "B" FRONT VIEW



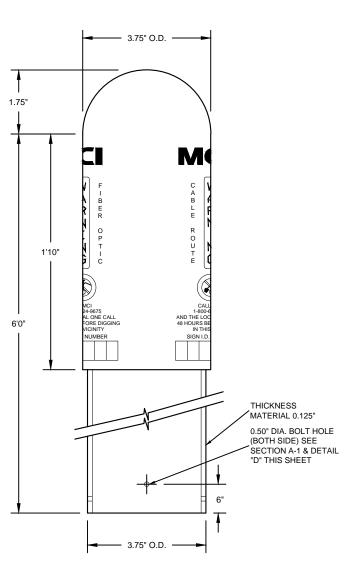
#### SECTION A-1

TUBULAR MARKER



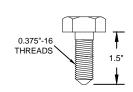
#### DETAIL "C"

SIDE VIEW



#### DETAIL "D"

1.5" BOLT

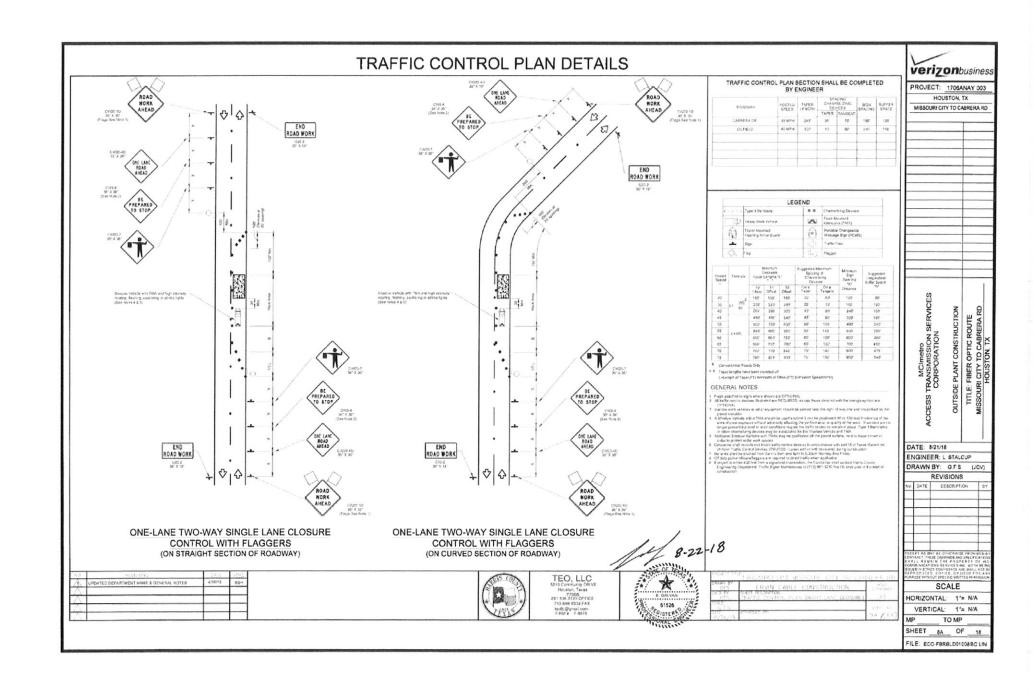


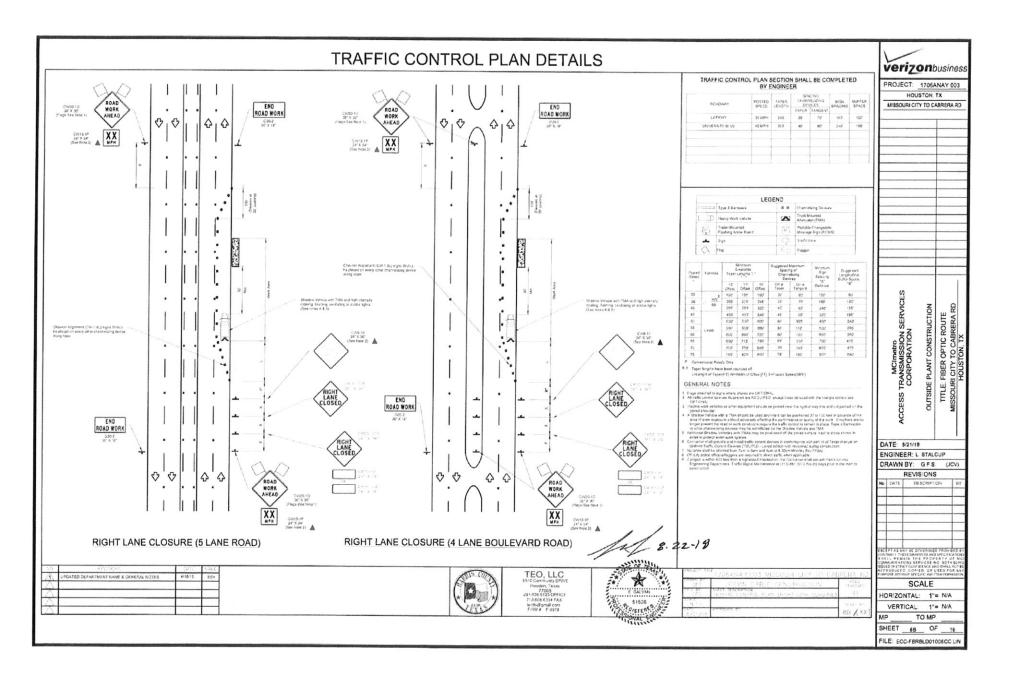
# verizonbusiness

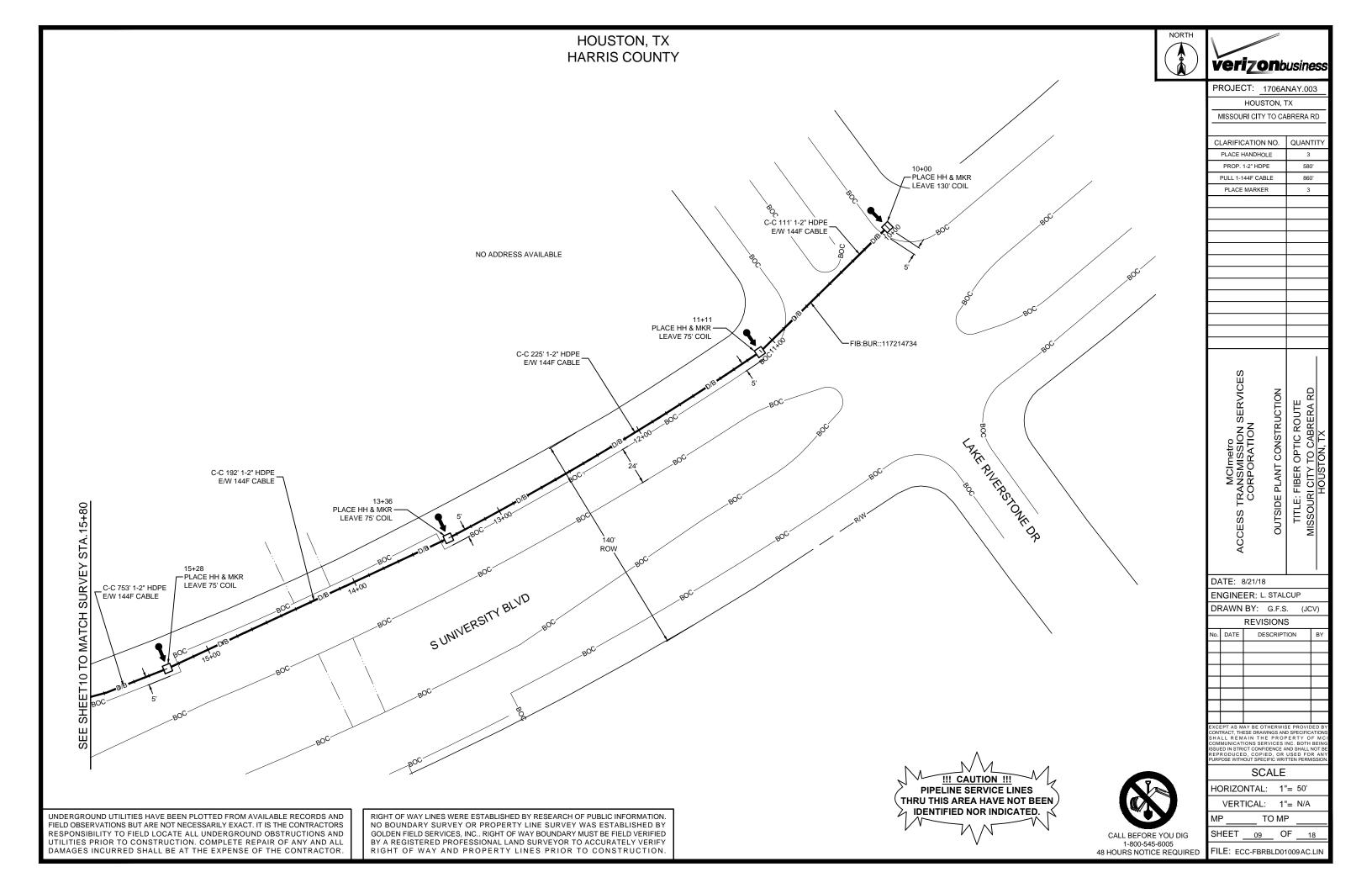
PROJECT:	PROJECT: 1706ANAY.003					
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MCImetro ACCESS TRANSMISSION SERVICES CORPORATION	OUTSIDI	TITLE: FIBER OPTIC ROUTE	HOUSTON, TX			
DATE: 8/2						
ENGINEER: L. STALCUP  DRAWN BY: G.F.S. (JCV)						
	VISIONS					
No. DATE	DESCRIPT	ION	BY			

	EXCEPT AS MAY BE OTHERWISE PROVIDE CONTRACT. THESE DRAWINGS AND SPECIFICA						
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PURPOSE WITHOUT SPECIFIC WRITTEN PERMISSION					
SCALE					
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MP	_ то	MP			
SHEET _	8	OF	18		
FILE: ECC-EBRBI D01008AC LIN					







# HOUSTON, TX HARRIS COUNTY NO ADDRESS AVAILABLE TO MATCH SURVEY (C-C 753' 1-2" HDPE E/W 144F CABLE) SHEET FIB:BUR::117214734 SEE 140' ROW S UNIVERSITY BLVD SHE !!! CAUTION !!! PIPELINE SERVICE LINES THRU THIS AREA HAVE NOT BEEN UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND RIGHT OF WAY LINES WERE ESTABLISHED BY RESEARCH OF PUBLIC INFORMATION. IDENTIFIED NOR INDICATED. FIELD OBSERVATIONS BUT ARE NOT NECESSARILY EXACT. IT IS THE CONTRACTORS NO BOUNDARY SURVEY OR PROPERTY LINE SURVEY WAS ESTABLISHED BY 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. CALL BEFORE YOU DIG

verizonbusiness

PROJECT: 1706ANAY.003 HOUSTON, TX MISSOURI CITY TO CABRERA RD CLARIFICATION NO. QUANTITY PROP. 1-2" HDPE 675' PULL 1-144F CABLE 675' MCImetro ACCESS TRANSMISSION SERVICES CORPORATION :: FIBER OPTIC ROUTE RI CITY TO CABRERA RD HOLISTON TX OUTSIDE PLANT CONSTRUCTION

DATE: 8/21/18

ENGINEER: L. STALCUP

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

REVISIONS

DESCRIPTION

SCALE HORIZONTAL: 1"= 50' VERTICAL: 1"= N/A TO MP SHEET OF \_\_\_18 10

FILE: ECC-FBRBLD01010AC.LIN

1-800-545-6005

48 HOURS NOTICE REQUIRED

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.



(C-C 753' 1-2" HDPE E/W 144F CABLE)



PROJECT: 1706ANAY.003 HOUSTON, TX MISSOURI CITY TO CABRERA RD CLARIFICATION NO. QUANTITY PLACE HANDHOLE PROP. 1-2" HDPE PULL 1-144F CABLE 515' PLACE MARKER MCImetro ACCESS TRANSMISSION SERVICES CORPORATION : FIBER OPTIC ROUTE RI CITY TO CABRERA RD HOUSTON, TX OUTSIDE PLANT CONSTRUCTION DATE: 8/21/18 ENGINEER: L. STALCUP DRAWN BY: G.F.S. (JCV) REVISIONS DESCRIPTION

SCALE

HORIZONTAL: 1"= 50'

VERTICAL: 1"= N/A

SHEET \_\_\_\_11\_\_\_ OF \_\_\_18\_\_

FILE: ECC-FBRBLD01011AC.LIN

TO MP

NO ADDRESS AVAILABLE

22+81 PLACE HH & MKR – LEAVE 75' COIL \_ \_C-C 746' 1-2" HDPE E/W 144F CABLE SURVEY 10 TO MATCH -FIB:BUR::117214734 S UNIVERSITY BLVD SEE

> !!! CAUTION !!! PIPELINE SERVICE LINES THRU THIS AREA HAVE NOT BEEN IDENTIFIED NOR INDICATED.

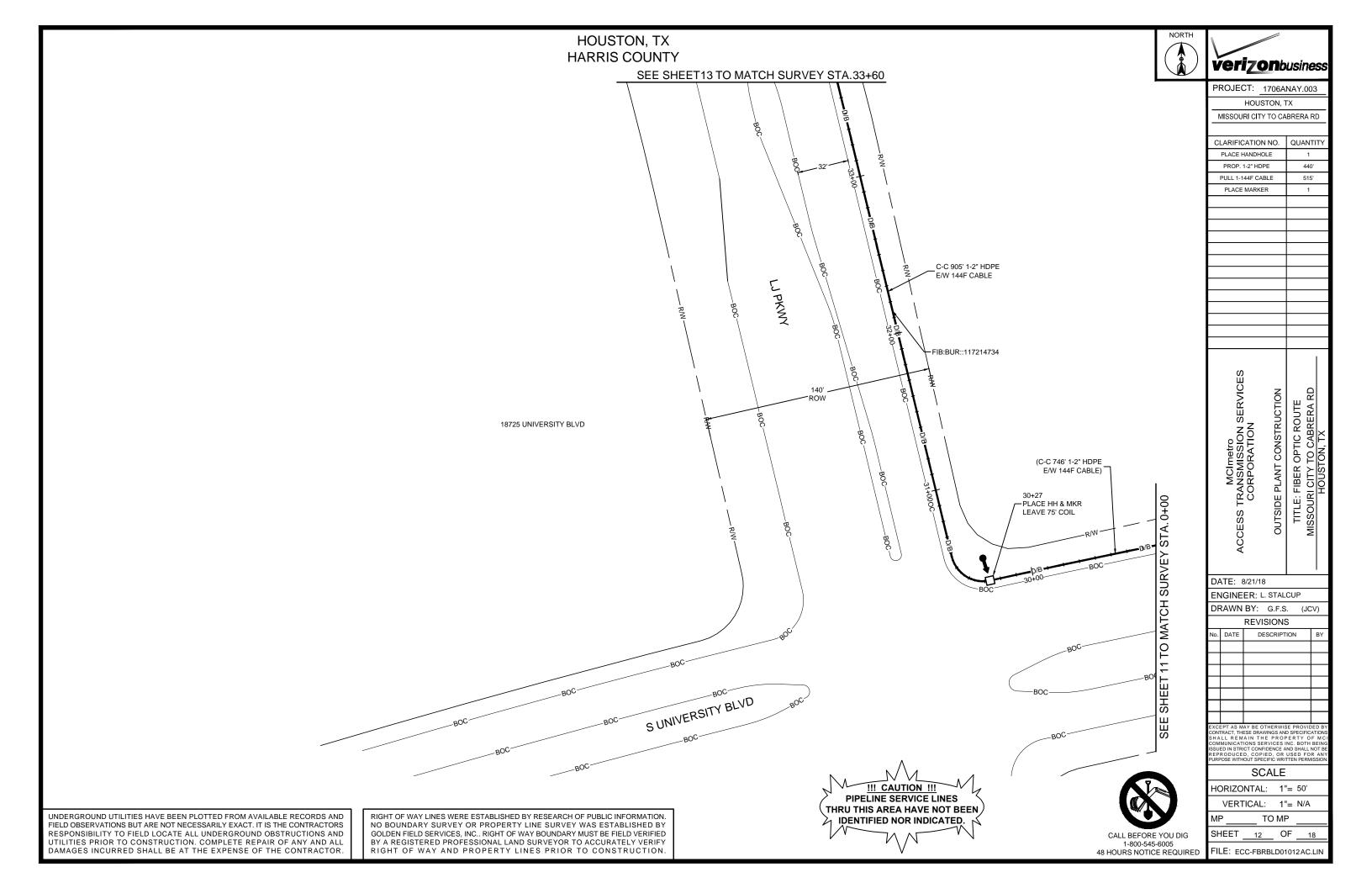


CALL BEFORE YOU DIG

48 HOURS NOTICE REQUIRED

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.







PROJECT: 1706ANAY.003 HOUSTON, TX MISSOURI CITY TO CABRERA RD CLARIFICATION NO. QUANTITY PROP. 1-2" HDPE 455' PULL 1-144F CABLE 455' MCImetro ACCESS TRANSMISSION SERVICES CORPORATION E: FIBER OPTIC ROUTE IRI CITY TO CABRERA RD HOUSTON, TX OUTSIDE PLANT CONSTRUCTION DATE: 8/21/18 ENGINEER: L. STALCUP DRAWN BY: G.F.S. (JCV) REVISIONS DESCRIPTION

SCALE

HORIZONTAL: 1"= 50'

VERTICAL: 1"= N/A

SHEET 13 OF 18

FILE: ECC-FBRBLD01013AC.LIN

TO MP

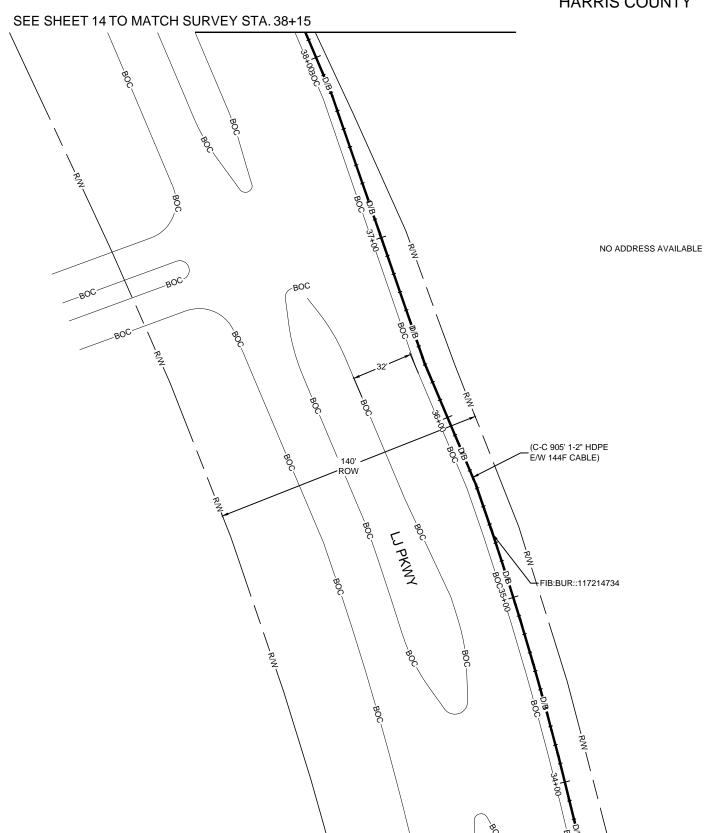
!!! CAUTION !!!

PIPELINE SERVICE LINES

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CALL BEFORE YOU DIG 48 HOURS NOTICE REQUIRED



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SEE SHEET12 TO MATCH SURVEY STA.33+60





PROJECT: 1706ANAY.003 HOUSTON, TX MISSOURI CITY TO CABRERA RD CLARIFICATION NO. QUANTITY PLACE HANDHOLE PROP. 1-2" HDPE PULL 1-144F CABLE PLACE 6M STRAND LASH 1-144F CABLE 276' DOWN GUY & ANCHOR RISER: 2" U GUARD PLACE MARKER MCImetro ACCESS TRANSMISSION SERVICES CORPORATION OUTSIDE PLANT CONSTRUCTION : FIBER OPTIC ROUTE RI CITY TO CABRERA RI HOUSTON, TX DATE: 8/21/18 ENGINEER: L. STALCUP DRAWN BY: G.F.S. (JCV) REVISIONS DESCRIPTION

XCEPT AS MAY BE OTHERWISE PROVIDED BY ONTRACT, THESE DRAWINGS AND SPECIFICATIONS HALL REMAIN THE PROPERTY OF MC OMMUNICATIONS SERVICES INC. BOTH BEING SUBJECT OF MICHAEL PROPERTY OF MICHAEL STRUCT ON SHALL NOT BE SERVICES INC. BOTH BEING WITHOUT SPECIFIC WRITTEN PERMISSION WEROSE WITHOUT SPECIFIC WRITTEN PERMISSION

	SCALE			
	HORIZONTAL: 1"= 50'			
	VERTICAL: 1"= N/A			
	MP TO MP			
CALL BEFORE YOU DIG	SHEET <u>14</u> OF <u>18</u>			
1-800-545-6005 B HOURS NOTICE REQUIRED	FILE: ECC-FBRBLD01014AC.LIN			

SEQ. POLE REF.# 1 SEQ. POLE REF.# 2 40+84 41+69 OWNED BY: NA OWNED BY: NA POLE # 98 POLE # 98 Neutral HT.: 36'6" Power Riser Drip Loop HT.: 18'8" MCI HT: (20'0") MCI HT: (15'2")

SEQ. POLE REF.# 3 41+99 OWNED BY: NA POLE # 96 Power Riser HT.: 27'6" MCI HT: (20'0")

**TO MATCH** 

SEQ. POLE REF.# 4 OWNED BY: NA POLE # 95 Power Riser HT.: 21'7" MCI HT: (17'7")

NO ADDRESS AVAILABLE \_C-C 42' 1-2" HDPE E/W 144F CABLE 0 39+32 -PLACE HH & MKR LEAVE 75' COIL 40+32 -PLACE HH & MKR PLACE DOWN LEAVE 75' COIL **GUY & ANCHOR** ROW CABRERA DR. (C-C 905' 1-2" HDPE E/W 144F CABLE) C-C 100' 1-2" HDPE E/W 144F CABLE 29.551481 -95.58662 (1) 40+74 -PLACE HH & MKR 2 LEAVE 75' COIL 3 40+84 C-C 10' 1-2" HDPE POWER POLE #1-4 E/W 144F CABLE -FIB:AER::117214732 ATTACH: U-GUARD RISER SEE SHEET13 TO MATCH SURVEY STA.38+15

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.

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!!! CAUTION !!! PIPELINE SERVICE LINES THRU THIS AREA HAVE NOT BEEN

IDENTIFIED NOR INDICATED.



SEQ. POLE REF.# 5

Transformer Drip Loop HT.: 21'9" MCI HT: (18'3")

OWNED BY: NA

POLE # 94



PROJECT: 1706ANAY.003 HOUSTON, TX

MISSOURI CITY TO CABRERA RD

CLARIFICATION NO. QUANTITY PLACE 1-6M STRAND 720' LASH 1-144F CABLE 670' DOWN GUY & ANCHOR

MCImetro ACCESS TRANSMISSION SERVICES CORPORATION E: FIBER OPTIC ROUTE IRI CITY TO CABRERA RD HOUSTON, TX OUTSIDE PLANT CONSTRUCTION

DATE: 8/21/18 ENGINEER: L. STALCUP

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

TITLE: F MISSOURI

DESCRIPTION

SCALE HORIZONTAL: 1"= 50' VERTICAL: 1"= N/A TO MP

OF 18

SHEET CALL BEFORE YOU DIG 15 1-800-545-6005 FILE: ECC-FBRBLD01015AC.LIN 48 HOURS NOTICE REQUIRED

SEQ. POLE REF.# 10 OWNED BY: NA POLE # 36 Transformer Drip Loop HT.: 25'3" Comcast HT: 18'6" Phonoscope Lightwave HT: 17'0" MCI HT: (16'0") SEQ. POLE REF.# 9 OWNED BY: NA POLE # 90 Neutral HT.: 30'9" Comcast HT: 19'5" Phonoscope Lightwave HT: 17'5" MCI HT: (16'5")

SEQ. POLE REF.#8 OWNED BY: NA POLE # 91 Neutral HT.: 36'6" Comcast HT: 23'6" Phonoscope Lightwave HT: 20'5" MCI HT: (19'5") SEQ. POLE REF.#7 47+02 OWNED BY: NA POLE # 92 Power Riser HT.: 18'11" MCI HT: (14'11")

SEQ. POLE REF.# 6 46+42 OWNED BY: NA POLE # 93 Neutral HT.: 31'0" MCI HT: (20'0")

!!! CAUTION !!!

PIPELINE SERVICE LINES

THRU THIS AREA HAVE NOT BEEN

IDENTIFIED NOR INDICATED.

SURVEY PLACE DOWN STA. GUY & ANCHOR CABRERA DR. 14 TO MATCH SURVEY PLACE DOWN **GUY & ANCHOR** 60' 6 49+00 (8) 50+00<sub>W</sub> FIB:AER::117214732 10 SEE 44+00 SEE SHEET 5 SLACK SPAN

NO ADDRESS AVAILABLE

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.

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SEQ. POLE REF.# 13

Power Riser HT.: 26'11"

OWNED BY: NA

Comcast HT: 22'9"

MCI HT: (21'9")

POLE # 31

53+39





PROJECT: 1706ANAY.003 HOUSTON, TX

MISSOURI CITY TO CABRERA RD

QUANTITY 660'

CLARIFICATION NO. PLACE 1-6M STRAND LASH 1-144F CABLE

MCImetro ACCESS TRANSMISSION SERVICES CORPORATION

: FIBER OPTIC ROUTE RI CITY TO CABRERA RD HOUSTON. TX OUTSIDE PLANT CONSTRUCTION

DATE: 8/21/18 ENGINEER: L. STALCUP

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

REVISIONS DESCRIPTION

SCALE HORIZONTAL: 1"= 50' VERTICAL: 1"= N/A TO MP SHEET OF 18 16

CALL BEFORE YOU DIG FILE: ECC-FBRBLD01016AC.LIN 48 HOURS NOTICE REQUIRED

50+59 OWNED BY: NA POLE # 35 Transformer HT.: 25'3" Comcast HT: 20'9" Phonoscope Lightwave HT: 19'5" MCI HT: (18'5")

SEQ. POLE REF.# 11

SEQ. POLE REF.# 14 OWNED BY: NA POLE # 30 Power Riser Drip Loop HT.: 23'4" Comcast HT: 21'9" MCI HT: (19'9")

54+91

14

SEQ. POLE REF.# 12 52+33 OWNED BY: NA POLE # 34 Primary HT.: 38'0" Comcast HT: 23'0" MCI HT: (22'0")

ST 26+90 MATCH SURVEY CABRERA DR. 2 **TO MATCH** 15. SEE SHEET (12) 13) FIB:AER::117214732 PLACE 100' 1-144F SLACK LOOP SH

NO ADDRESS AVAILABLE

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.

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15)

SEE

SEQ. POLE REF.# 15

OWNED BY: NA

Neutral HT.: 33'0"

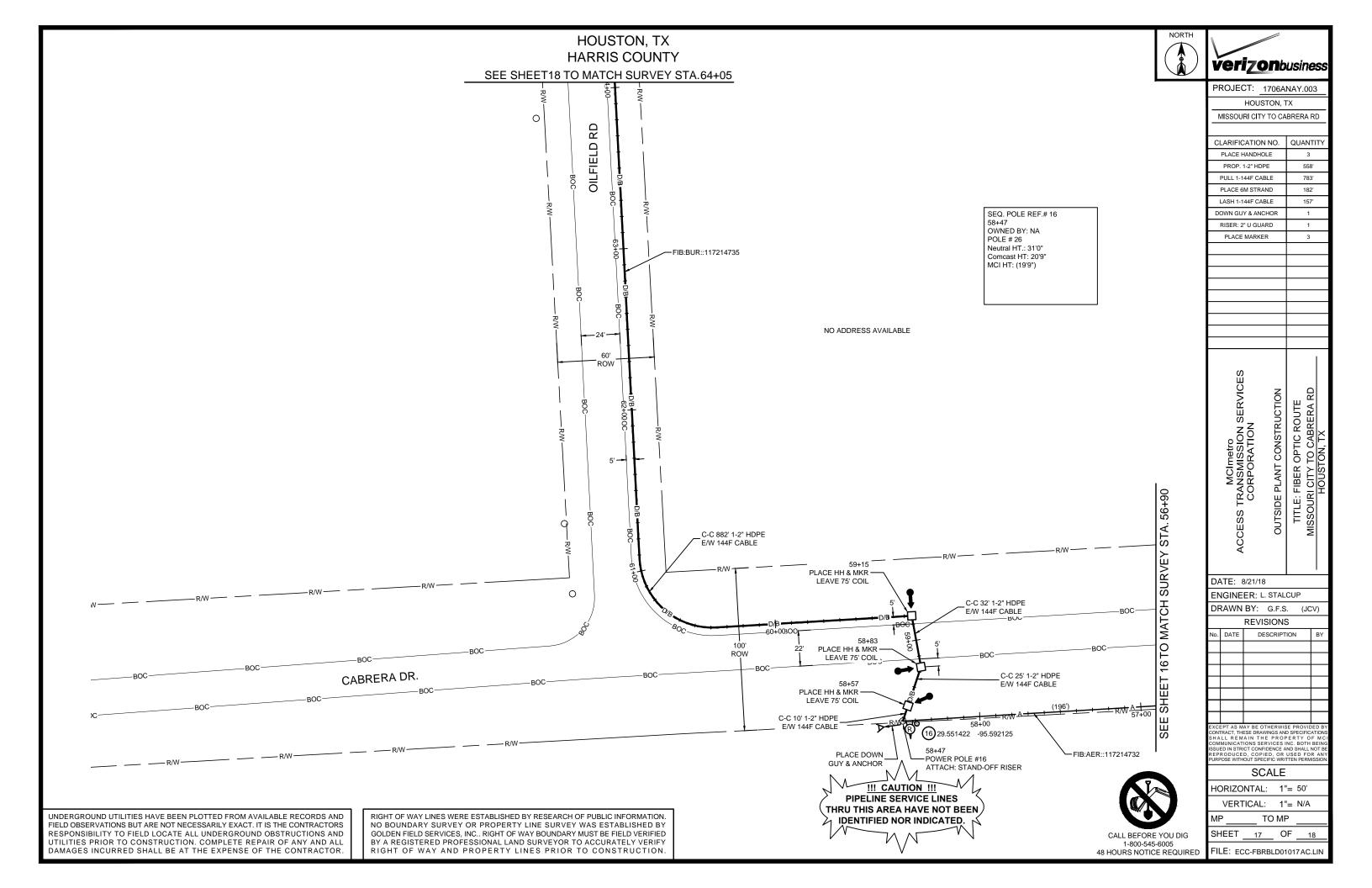
Comcast HT: 19'3"

MCI HT: (18'3")

POLE # 28

56+50









PROJECT: 1706ANAY.003

HOUSTON, TX MISSOURI CITY TO CABRERA RD CLARIFICATION NO. QUANTITY PLACE HANDHOLE PROP. 1-2" HDPE 414' PULL 1-144F CABLE 744' PLACE MARKER MCImetro ACCESS TRANSMISSION SERVICES CORPORATION OUTSIDE PLANT CONSTRUCTION : FIBER OPTIC ROUTE RI CITY TO CABRERA RI HOUSTON, TX TITLE: F MISSOURI DATE: 8/21/18 ENGINEER: L. STALCUP DRAWN BY: G.F.S. (JCV) REVISIONS DESCRIPTION

EXCEPT AS MAY BE OTHERWISE PROVIDED IS CONTRACT, THESE DRAWINGS AND SPECIFICATION SHALL RE MAIN THE PROPERTY OF MISSUED IN STRICT COMPIDENCE AND SHALL NOT IN SECURITY OF MISSUED IN STRICT COMPIDENCE AND SHALL NOT INTERPORT OF THE PRINSIP OF THE P

CALL BEFORE YOU DIG

48 HOURS NOTICE REQUIRED

C-C 22' 1-2" HDPE E/W 144F CABLE EXIST. (130±') VZW CONDUIT. -FIB:BUR::117214733 TO SITE DISTRIBUTION CABINET SEE CABRERA RD SITE # 69+00 PLAN SHEET A-1 FOR PULL THRU EXISTING CONDUIT DETAILS (COIL 50' CABLE AT SITE) PLACE HH & MKR LEAVE 2-75' COILS VZW 0 TOWER \_EXIST. VZW MEETME HH, LEAVE NO COIL **PULL THRU** C-C 882' 1-2" HDPE E/W 144F CABLE OILFIELD RD 0 FIB:BUR::117214735 ROW

SEE SHEET 17 TO MATCH SURVEY STA. 64+05

PIPELINE SERVICE LINES
THRU THIS AREA HAVE NOT BEEN
IDENTIFIED NOR INDICATED.

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#### **Velasquez, Courtney**

From: Slawinski, Stacy

Sent: Thursday, August 30, 2018 4:56 PM

To: Velasquez, Courtney

Cc: Peterson, Jillian; Eglinton, Sean

Subject: RE: Permit 2018-23058

The City of Sugar Land is managing the mobility project, so they will need to review the permit application. Let me know if you have any questions.

Thanks,

#### Stacy Slawinski

stacy.slawinski@fortbendcountytx.gov

281-633-7508 office

From: Velasquez, Courtney

Sent: Thursday, August 30, 2018 11:50 AM

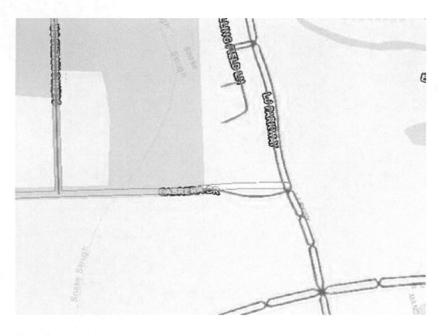
To: Slawinski, Stacy <Stacy.Slawinski@fortbendcountytx.gov>

Cc: Peterson, Jillian < Jillian.Peterson@fortbendcountytx.gov>; Eglinton, Sean < Sean.Eglinton@fortbendcountytx.gov>

Subject: Permit 2018-23058

Stacy can you please look at this Permit for me, it involves a 2013 mobility project.

MCI —" Proposed buried and aerial fiber optic cable installation entering FTBC ROW on the Northeast corner of S. University Blvd and Lake Riverstone Dr. then continue west to the Northeast corner of S. University Blvd and LJ Pkwy then continue North to the Sou"



Thank you,

Plat submittal deadline for the September 11th Commissioners Court agenda is Thursday, August 30th by 5pm.

#### **Courtney Velasquez**

## Clerk III

Fort Bend County Engineering
301 Jackson St., Suite 401 | Richmond, TX 77469
Email: Courtney.Velasquez@fortbendcountytx.gov
Phone: 281-633-7516

#### **Velasquez, Courtney**

From:

Brad Creekmore <brad.creekmore@yahoo.com>

Sent:

Tuesday, October 23, 2018 5:12 PM

To:

Velasquez, Courtney

Subject:

Re: Permit 2018-23058

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.

I approve please proceed.

Sent from my iPhone

On Oct 23, 2018, at 3:01 PM, Velasquez, Courtney < Courtney. Velasquez@fortbendcountytx.gov > wrote:

Brad this is the one that all I need is the reply email stating something to this effect:

"we understand that you are approving this application for the FBC area only. We have applied for the permits/approval from the City of Sugar Land."

From: Velasquez, Courtney

Sent: Friday, August 31, 2018 10:57 AM

To: marcus.armijo@verizon.com; 'kcreekmore@goldenfieldservices.com'

<a href="mailto:kcreekmore@goldenfieldservices.com">kcreekmore@goldenfieldservices.com</a>; Warren Hardy (warren.hardy@ervincable.com)

<warren.hardy@ervincable.com>

Cc: Slawinski, Stacy <Stacy.Slawinski@fortbendcountytx.gov>; Peterson, Jillian

<<u>Jillian.Peterson@fortbendcountytx.gov</u>>; Eglinton, Sean <<u>Sean.Eglinton@fortbendcountytx.gov</u>>

**Subject:** Permit 2018-23058

Hello gentlemen,

I am reviewing the above referenced permit application and I have 2 issues that need to be addressed.

- 1. The section on your site plan (pages 15-18) are inside the City of Sugar Land. (below in tan is the city limits) Which is your section 15,16,17,18 (see below)
- 2. As you see on the first map the yellow line indicates a mobility project. I sent this to our Mobility Engineer and his comments are that this mobility project is being managed by the City of Sugar Land.

<image001.jpg><image002.png>

As we have discussed on previous occasions. Because this section is included in the site map we can't process this permit until you have the permit from The City of Sugar Land anyway.

The information I have included about the mobility in the area was just to make sure you were aware of it (which you may already be)

Of course you can send me a modified site plan that excludes pages 15-18 which is in the city of sugar land or you can send a snip it with the new map example below. And we can process this permit. Otherwise let me know when you get the permit from Sugar Land.

<image003.png>

Plat submittal deadline for the September 11th Commissioners Court agenda is Thursday, August 30th by <u>5pm.</u>

**Courtney Velasquez** Clerk III Fort Bend County Engineering

301 Jackson St., Suite 401 | Richmond, TX 77469 Email: <u>Courtney.Velasquez@fortbendcountytx.gov</u> Phone: 281-633-7516