



**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

- Right of Way Permit**
- Commercial Driveway Permit**

Permit No: 2018-23448

Applicant: MCI MetroAccess Transmisson Services,Corp/Golden Field Services

Job Location Site: Trammel Fresno Road, Missouri, TX 77489

Bond No. **Date of Bond:** 5/1/2017 **Amount:** \$50,000.00

The above applicant came to make use of certain Fort Bend County property subject to, "The Order Regulating the Laying, Construction, Maintenance, and Repair of Buried Cables, Conduits, and Pole Lines, In, Under, Across or Along Roads, Streets, Highways, and Drainage Ditches in Fort Bend County, Texas, Under the Jurisdiction of the Commissioners Court of Fort Bend County, Texas," as passed by the Commissioners Court of Fort Bend County, Texas, of the Minutes of the Commissioners Court of Fort Bend County, Texas, to the extent that such order is not inconsistant with Chapter 181, Vernon's Texas Statutes and Codes Annotated.

Notes:

1. Evidence of review by the Commissioners Court must be kept on the job site and failure to do so constitutes grounds for job shutdown.
2. Written notices are required:
 - a. 48 hours in advance of construction start up, and
 - b. When construction is completed and ready for final inspection, submit notification to Permit Administrator thru MyGovernmentOnline.org portal.
3. This permit expires one (1) year from date of permit if construction has not commenced.
4. This permit applies to work performed within right-of-ways owned and maintained by Fort Bend County only, and it is the responsibility of the applicant to acquire all other necessary permits.

On this 13th day of November, 2018, Upon Motion of Commissioner _____, seconded by Commissioner _____, duly put and carried, it is ORDERED, ADJUDGED AND DECREED that said notice of said above purpose is hereby acknowledged by the Commissioners Court of Fort Bend County, Texas, and that said notice be placed on record according to the regulation order thereof.

Signature

By: 
County Engineer

Presented to Commissioners Court and approved.

Date Recorded _____ Comm. Court No. _____

Clerk of Commissioners Court

By: N/A
Drainage District Engineer/Manager

By: _____
Deputy



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

**Fort Bend County
Engineering Department**
301 Jackson Suite 401
Richmond, Texas 77469
281.633.7500
Permits@fortbendcountytx.gov

- Right of Way Permit**
 Commercial Driveway Permit

Permit No: 2018-23448

The following "Notice of Proposed Cable, Conduit, and/or Pole Line activity in Fort Bend County" and accompanying attachments have been reviewed and the notice conforms to appropriate regulations set by Commissioner's Court of Fort Bend County, Texas.

(1) COMPLETE APPLICATION FORM:

- a. Name of road, street, and/or drainage ditch affected.
 b. Vicinity map showing course of directions
 c. Plans and specifications

(2) BOND:

- County Attorney, approval when applicable.
- Perpetual bond currently posted. Bond No: Amount: \$50,000.00
- Performance bond submitted. Bond No: Amount:
- Cashier's Check Check No: Amount:

(3) DRAINAGE DISTRICT APPROVAL (WHEN APPLICABLE):

Drainage District Approval

Date

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



Permit Administrator

11/2/2018

Date

MCImetro
ACCESS TRANSMISSION SERVICES CORPORATION

OUTSIDE PLANT CONSTRUCTION
FIBER OPTIC CABLE ROUTE

ECC FIBER BUILD: 1706ANAY.014
MISSOURI CITY TO TRAMMELS
MISSOURI CITY, TX

SITE CODE: HODATX

PROJECT STATUS: CONSTRUCTION

DATE: 10/09/18



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

LOCATION MAP

MISSOURI CITY, TX
FORT BEND COUNTY

VZW SITE #260671
TRAMMELS
9555 HWY 6
MISSOURI CITY, TX 77459

MISSOURI CITY TO TRAMMELS
1706ANAY.014



PROJECT: 1706ANAY.014

MISSOURI CITY, TX

MISSOURI CITY TO TRAMMELS

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McImetro
ACCESS TRANSMISSION SERVICES
CORPORATION

OUTSIDE PLANT CONSTRUCTION

TITLE: FIBER OPTIC ROUTE
MISSOURI CITY TO TRAMMELS
MISSOURI CITY, TX

DATE: 10/09/18

ENGINEER: L. STALCUP

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

REVISIONS

No.	DATE	DESCRIPTION	BY
1	10/9/18	FBCTRA REVS	TD

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.

SCALE

HORIZONTAL: 1"= N/A

VERTICAL: 1"= N/A

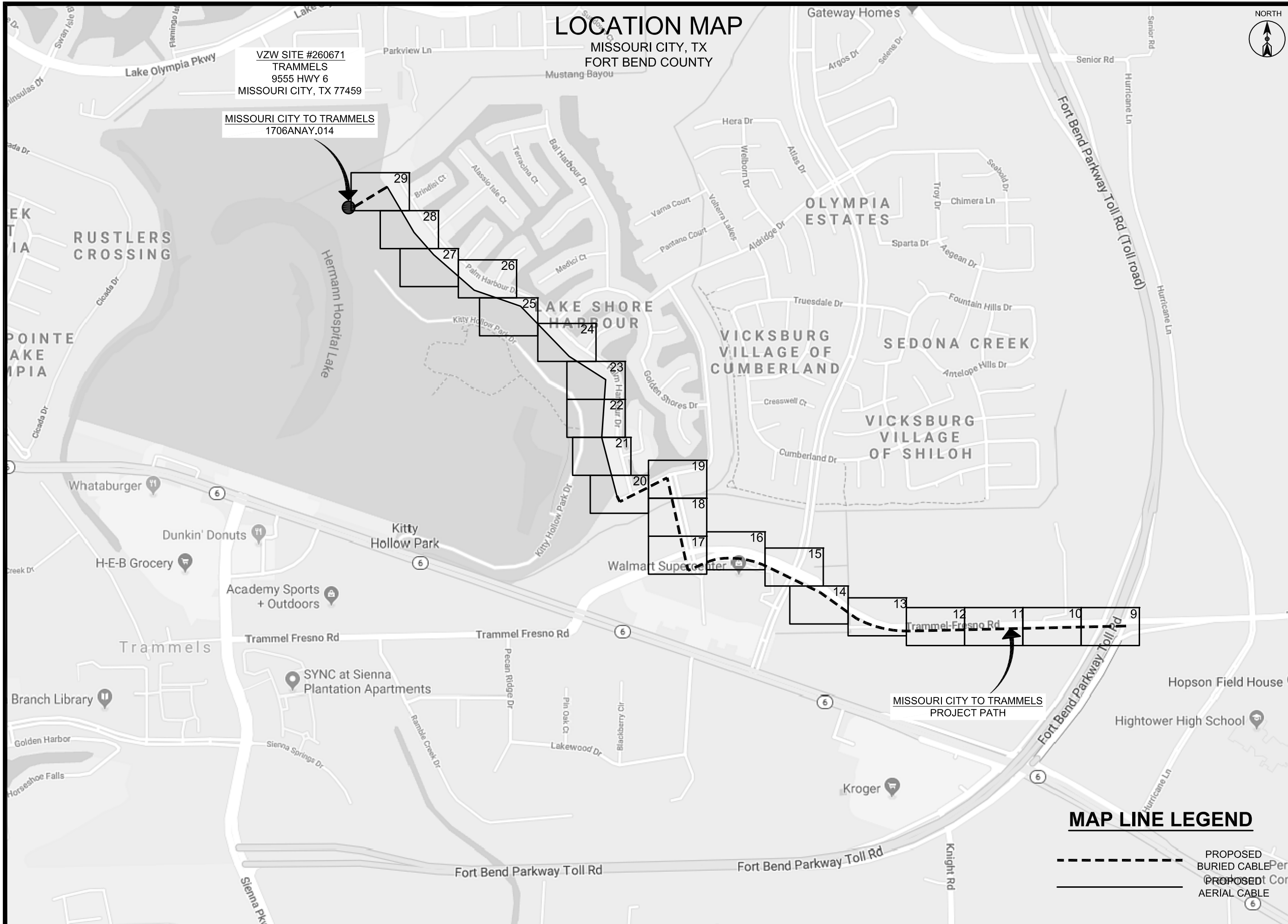
MP TO MP

SHEET 02 OF 29

FILE: ECC-FBRBLD01002.AC.LIN

MAP LINE LEGEND

- PROPOSED BURIED CABLE
- PROPOSED AERIAL CABLE



MISSOURI CITY TO TRAMMELS
PROJECT PATH

CONTACT SHEET



PROJECT: 1706ANAY.014

MISSOURI CITY, TX

MISSOURI CITY TO TRAMMELS

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FIRM # F-8978

MCI metro
ACCESS TRANSMISSION SERVICES
CORPORATION
OUTSIDE PLANT CONSTRUCTION
TITLE: FIBER OPTIC ROUTE
MISSOURI CITY TO TRAMMELS
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VERTICAL: 1"= N/A

MP _____ TO MP _____

SHEET 03 OF 29

FILE: ECC-FBRBLD01003.AC.LIN

MCI

PROJECT ENGINEER:

PROJECT MANAGER:

PROJECT COORDINATOR:

OUTSIDE PLANT CONSTRUCTION:

CONSTRUCTION CONTRACTOR: ERVIN CABLE CONSTRUCTION 1-844-322-2524

CONSTRUCTION MANAGER: AURELIO MALLAMANCE (270) 349-0337

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: OFFICE: (918) 610-0014
10830 EAST 45TH ST. STE. 405 TULSA, OK 74146 FAX: (918) 610-0016

PRESIDENT: JERRY JEFFRIES, SR. OFFICE: (918) 610-0014
CELL: (918) 638-3317
E-MAIL: JJJEFFRIES@GOLDENFIELDSERVICES.COM

PROJECT MANAGER: LARRY STALCUP OFFICE: (918) 610-0014
CELL: (918) 633-2198
E-MAIL: LSTALCUP@GOLDENFIELDSERVICES.COM

NAME OF FIRM:
PROJECT COORDINATOR:
PROJECT SUPERINTENDENT:

RAILROADS

UNION PACIFIC RAILROAD DANIEL PETERS (402) 544-8620

UTILITIES

MCI UTILITY LOCATE 1-800-624-9675

TEXAS ONE CALL SYSTEM (UTILITY LOCATES) 1-800-545-6005

NON MEMBERS:

CITY GOVERNMENT

CITY OF HOUSTON
- SANITARY SEWER

- TRAFFIC
- ROAD & BRIDGE
- STORM QUALITY
- WATER

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

COUNTY GOVERNMENT

HARRIS COUNTY

STATE GOVERNMENT

N/A

FEDERAL GOVERNMENT

N/A

OTHER

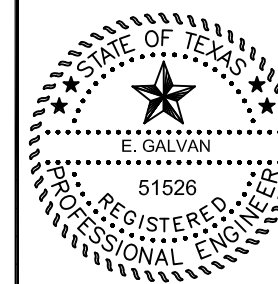
N/A

GENERAL NOTES / CLARIFICATION NOTES



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 MISSOURI CITY, TX
 MISSOURI CITY TO TRAMMELS

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 5510 Community DRIVE
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MCI metro
 ACCESS TRANSMISSION SERVICES
 CORPORATION
 OUTSIDE PLANT CONSTRUCTION
 TITLE: FIBER OPTIC ROUTE
 MISSOURI CITY TO TRAMMELS
 MISSOURI CITY, TX

DATE: 10/09/18
 ENGINEER: L. STALCUP
 DRAWN BY: G.F.S. (JCV)

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 MP _____ TO MP _____
 SHEET 04 OF 29
 FILE: ECC-FBRBLD01004.AC.LIN

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.
3. 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.
7. 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.
9. 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.
11. UNDERGROUND CONDUIT WILL BE PLACED AT 48" MINIMUM COVER UNLESS OTHERWISE SPECIFIED ON THE CONSTRUCTION DRAWINGS.

CLARIFICATION NOTES

- | | |
|----|--|
| 1. | 1. STATION |
| 2. | 2. LOCATION |
| 3. | 3. CLARIFICATION NO. AND MINIMUM COVER |
| 4. | 4. QUANTITY LINEAR FOOTAGE/SQUARE FOOTAGE, SIZE OF MANHOLE/HANDHOLE SIZE OF PULL/SPLICE BOX, DIMENSION OF WALL, HEIGHT/CLASS/TYPER OF POLE |
| 5. | 5. TYPICAL DRAWING NO. AND TYPICAL DETAIL DRAWING NUMBER |
| 6. | 6. PLANT ACCOUNTING CODE |
| 7. | 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 | PLACE CONDUIT |
| | 212 | PLACE HIGH DENSITY POLYETHYLENE (HDPE) |
| | 213 | ROCK ADDER |
| | 214 | SLURRY BACKFILL ADDER |
| | 215 | EXPOSE CONDUIT |
| | 216 | EXPOSE CONDUIT AND RELOCATE |
| | 217 | EXPOSE CONDUIT AND REPLACE/SUBSTITUTE |
| | 218 | EXPOSE AND REMOVE CONDUIT |
| | 219 | EXPOSE AND REMOVE CONDUIT (ABANDONED) |
| | 220 | CONCRETE ENCASE |
| | 221 | REMOVE CONCRETE ENCASMENT |
| | 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 |
| | 315 | DETACH CONDUIT FROM WALL OR STRUCTURE |
| | 320 | CORE BORE |
| | 330 | ATTACH PULL/SPLICE BOX TO WALL OR STRUCTURE |
| 400 | 410 | PULL CABLE |
| | 411 | PULL THROUGH DUCT (INNERDUCT) |
| | 415 | REMOVE CABLE FROM CONDUIT |
| | 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 |

MCI OUTSIDE PLANT FOCUS

FIBER OPTIC CABLE UNCOVERING SYSTEM

1. THE TITLE OF THIS PROGRAM, F.O.C.U.S., AN ACRONYM FOR "FIBER OPTIC CABLE UNCOVERING SYSTEM," 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.
2. 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-CONSTRUCTION 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 POT HOLE 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 POT HOLE (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 POT HOLE 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 POT HOLE THE CABLE A MINIMUM OF EVERY 15 FT.
 - THE CABLE WILL ALSO BE POT HOLED 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, POT HOLED, POSITIVELY IDENTIFIED, CONTINUOUSLY EXPOSED BY HAND DIGGING OR VACUUM EXCAVATION, AND THE FACILITIES 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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 TITLE: FIBER OPTIC ROUTE
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DATE: 10/09/18

ENGINEER: L. STALCUP

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

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SCALE
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 VERTICAL: 1"= N/A
 MP _____ TO MP _____
 SHEET 4A OF 29
 FILE: ECC-FBRBLD01004 BC.LIN

CLARIFICATION SUMMARY SHEET PROJECT SPECIFIC



PROJECT: 1706ANAY.014
MISSOURI CITY, TX
MISSOURI CITY TO TRAMMELS

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FIRM # F-8978



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PROJECT CLARIFICATION SUMMARY		
DESCRIPTION	QUANTITY	UNIT
PLACE (30"x60"x30") HANDHOLE	14	EA
PLACE 1-2" HDPE (SDR 11) CONDUIT	7,075	LF
PULL 1-144F CABLE (7,075' IN NEW CONDUIT, 860' IN EXISTING, 50' IN RISERS & 1230' IN COILS)	9,215	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, & 191' IN GUYS)	4,069	LF
LASH 1-144F CABLE (500' CABLE IN SLACK LOOPS)	5,278	LF
PLACE (BURIED CABLE) MARKER	14	EA

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SYMBOLS KEY

	EXISTING	PROPOSED
DIRECT BURIED CABLE	-----	-----
AERIAL CABLE	----- A -----	----- A -----
SUBMARINE CABLE	----- SUBM -----	----- SUBM -----
FOGWIRE CABLE	----- FOGW -----	----- FOGW -----
DIRECT BURIED HDPE	----- H -----	----- H -----
PVC OR SPLIT PVC CONDUIT	=====	=====
BSP/GSP OR SPLIT BSP/GSP CONDUIT	=====	=====
STEEL CASING	=====	=====
REMOVE AND RESTORE ASPHALT OR CONCRETE (WIDTH AS INDICATED)	48" ↑ =====	48" ↑ =====
CORE BORE	=====	-----
JACK AND BORE	=====	=====
DIRECTIONAL BORE (& PLACE CONDUIT)	----- DB -----	----- DB -----
FUTURE CABLE	----->	----->
REMOVE CABLE	----- X -----	----- X -----
TO BE REMOVED OR ABANDONED (SHOWN FOR HDPE)	----- X H -----	----- H X -----
AERIAL UTILITY (ELECTRIC)	----- E -----	----- E -----
UNDERGROUND UTILITY (TELEPHONE)	----- T -----	----- T -----
MAIN TRACKS	-----+-----	-----+-----
AUXILLARY TRACKS	-----+-----	-----+-----
CENTERLINE	----- C/L -----	----- C/L -----
RIGHT-OF-WAY	----- R/W -----	----- R/W -----
EDGE OF ROADWAY (GENERIC)	-----	-----
EDGE OF PAVEMENT	----- EOP -----	----- EOP -----
BACK OF CURB	----- BOC -----	----- BOC -----
DITCH LINE	-----	-----
TAX, CITY, COUNTY, OR STATE BOUNDARY LINE	-----	-----
PROPERTY LINE	-----	-----
FENCE LINE	F/L --- O --- F/L F/L --- O ---	F/L --- O --- F/L F/L --- O ---
GUARDRAIL	----- I -----	----- I -----
TOP OF SLOPE	-----	-----
TOE OF SLOPE	-----	-----

STEEL MARKER AND SIGN-(A)
ALUMINUM "HUB"-STYLE MARKER-(B)
FLAT MARKER-(C)
TUBULAR MARKER-(D)
TUBULAR MARKER, & ISOLATOR PROTECTOR-(E)

MILE POST MARKER
NOTE:
DASHED = NOT FOUND IN FIELD

PERMIT TRACKING FORM IDENTIFIER

ROCK PROBE (DEPTH AS INDICATED)

UTILITY COVER DEPTH

HANDHOLE, MANHOLE OR PULLBOX

POLE

ANCHOR ONLY

GUY ONLY

OVERHEAD GUY (ARROW IN DIRECTION OF PULL)

ANCHOR AND GUY

FOREIGN ANCHOR AND GUY

PUSH BRACE (EXISTING POLE)

ACCOUNT CODE CHANGE (BURIED TO AERIAL)

RISER ATTACHMENT LOCATION

BOND AND GROUND

CULVERT (SIZE AS INDICATED)

BRIDGE

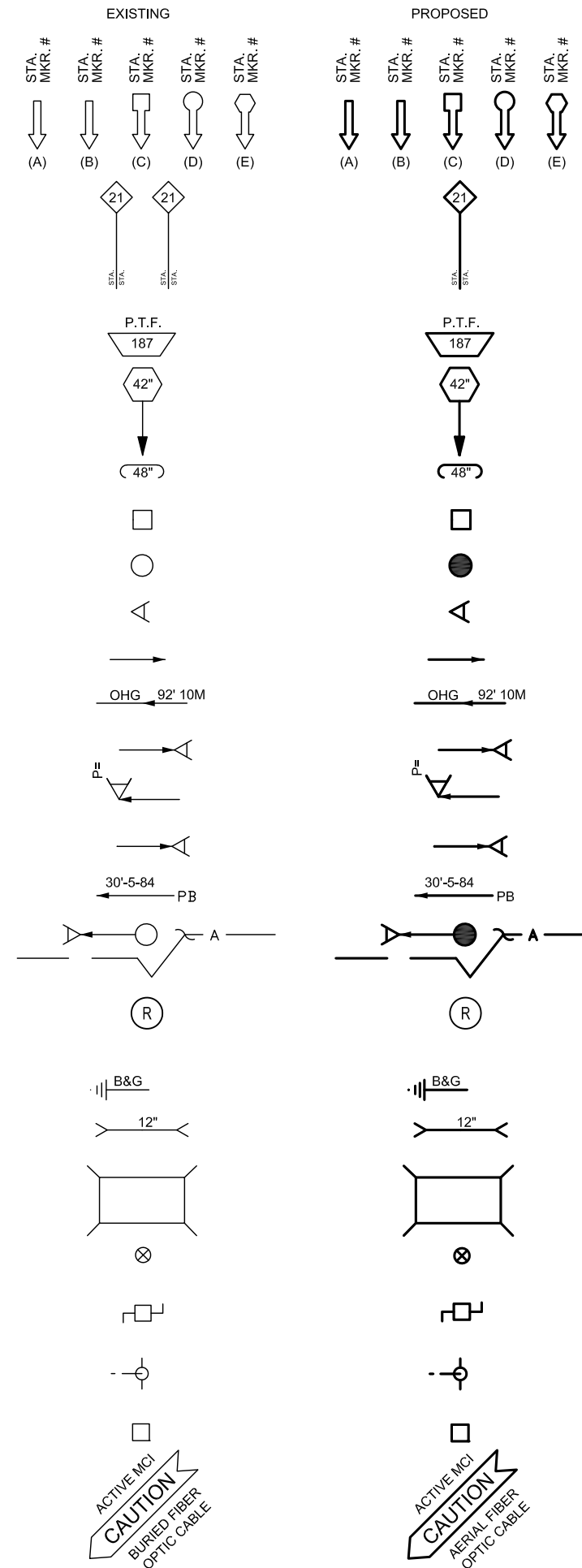
WATER METER

GAS VALVE

FIRE HYDRANT

RAILROAD SIGNAL CONTROL BOX

CAUTION NOTE



PROJECT: 1706ANAY.014

MISSOURI CITY, TX

MISSOURI CITY TO TRAMMELS

TEO, LLC

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



FIRM # F-8978

MCI metro
ACCESS TRANSMISSION SERVICES
CORPORATION

OUTSIDE PLANT CONSTRUCTION

TITLE: FIBER OPTIC ROUTE
MISSOURI CITY TO TRAMMELS
MISSOURI CITY, TX

DATE: 10/09/18

ENGINEER: L. STALCUP

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

REVISIONS

No.	DATE	DESCRIPTION	BY
1	10/9/18	FBC TRA REVS	TD

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SCALE

HORIZONTAL: 1"= N/A

VERTICAL: 1"= N/A

MP _____ TO MP _____

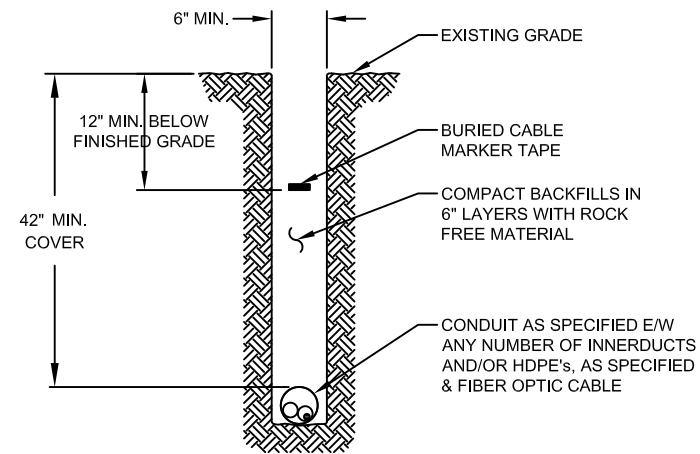
SHEET 05 OF 29

FILE: ECC-FBRBLD01005AC.LIN

CONSTRUCTION DETAILS

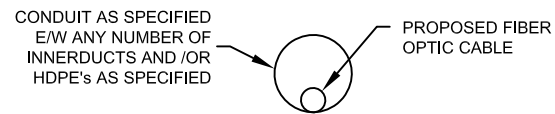
TYPICAL DETAIL "A"

TRENCH & PLACE CONDUIT



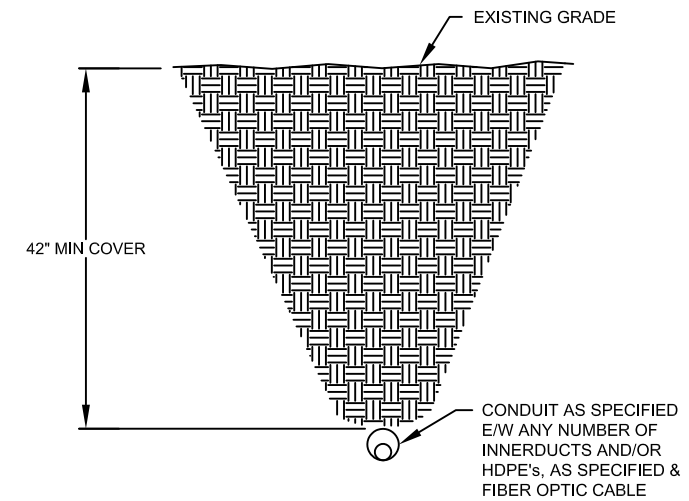
TYPICAL DETAIL "B"

CROSS SECTION OF PROPOSED HDPE



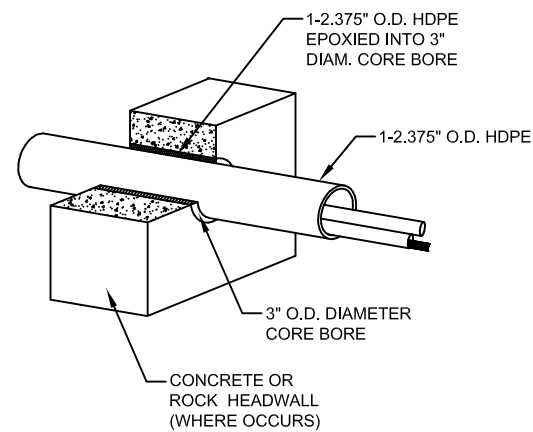
TYPICAL DETAIL "C"

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.



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McImetro
ACCESS TRANSMISSION SERVICES
CORPORATION

OUTSIDE PLANT CONSTRUCTION

TITLE: FIBER OPTIC ROUTE
MISSOURI CITY TO TRAMMELS
MISSOURI CITY, TX

DATE: 10/09/18

ENGINEER: L. STALCUP

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

REVISIONS

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SCALE

HORIZONTAL: 1"= N/A

VERTICAL: 1"= N/A

MP _____ TO MP _____

SHEET 06 OF 29

FILE: ECC-FBRBLD01006.AC.LIN

TYPICAL CROSSING PROFILE DETAILS: UNDERGROUND



PROJECT: 1706ANAY.014

MISSOURI CITY, TX

MISSOURI CITY TO TRAMMELS

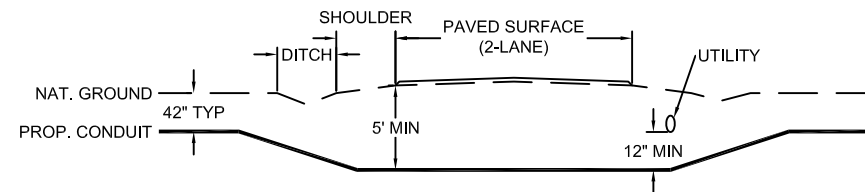
TEO, LLC
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 77005
 281-536-5123 OFFICE
 713-668-6334 FAX
 teo@teo.com
 teo@teo.com
 FIRM # F-8978



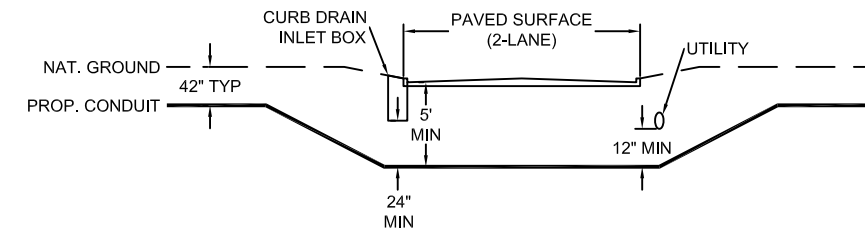
FIRM # F-8978

McImetro
 ACCESS TRANSMISSION SERVICES
 CORPORATION
 OUTSIDE PLANT CONSTRUCTION
 TITLE: FIBER OPTIC ROUTE
 MISSOURI CITY TO TRAMMELS
 MISSOURI CITY, TX

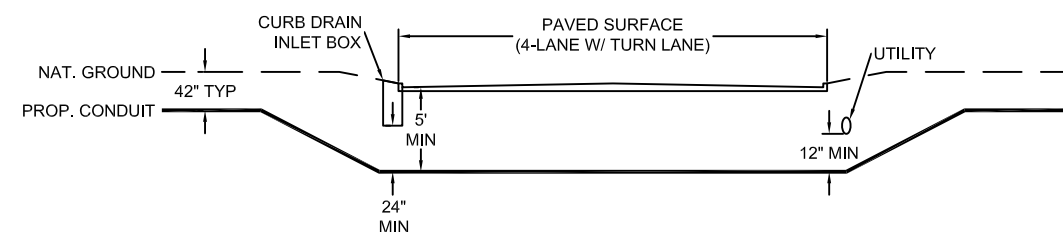
TYPICAL DETAIL "A"
 TWO LANE - ASPHALT ROAD - NO CURB



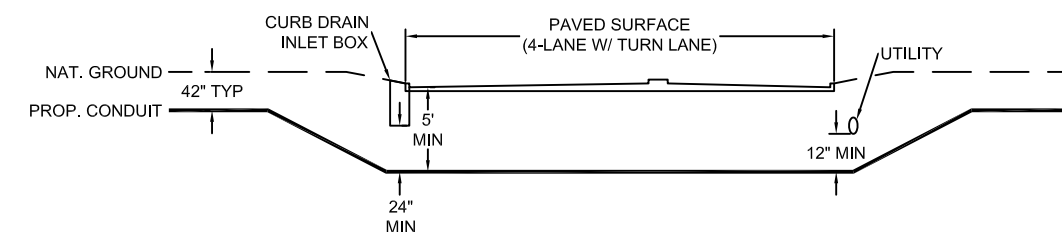
TYPICAL DETAIL "B"
 TWO LANE - CURBED ROAD



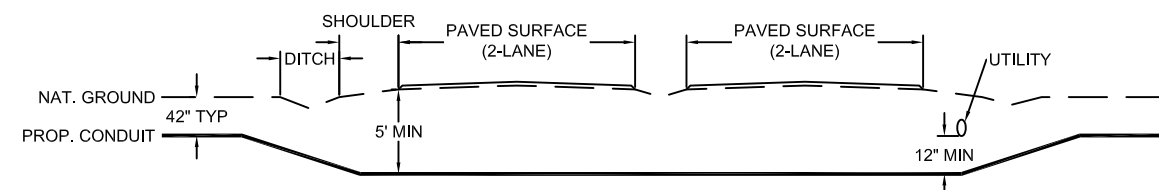
TYPICAL DETAIL "C"
 FOUR LANE (W/ TURN LANE) - CURBED ROAD - NO MEDIAN



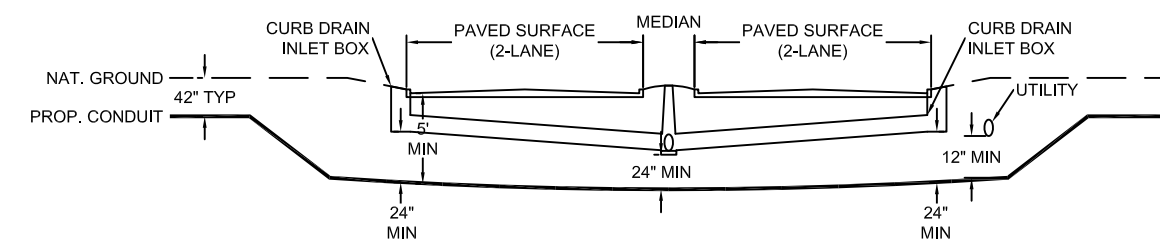
TYPICAL DETAIL "D"
 FOUR LANE (W/ TURN LANE) - CURBED ROAD - WITH MEDIAN



TYPICAL DETAIL "E"
 4 LANE - SPLIT ASPHALT ROAD - NO CURB



TYPICAL DETAIL "F"
 4 LANE - SPLIT CURBED ROAD



DATE: 10/09/18

ENGINEER: L. STALCUP

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

REVISIONS			
No.	DATE	DESCRIPTION	BY
1	10/9/18	FBC TRA REVS	TD

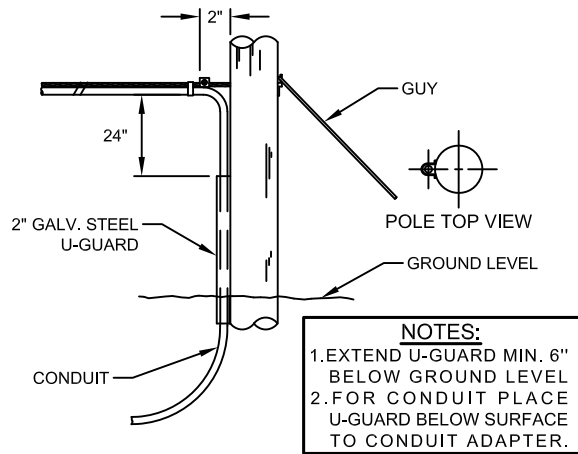
EXCEPT AS MAY BE OTHERWISE PROVIDED BY CONTRACT, THESE DRAWINGS AND SPECIFICATIONS SHALL REMAIN THE PROPERTY OF MCI COMMUNICATIONS SERVICES INC. BOTH BEING ISSUED IN STRICT CONFIDENCE AND SHALL NOT BE REPRODUCED, COPIED, OR USED FOR ANY PURPOSE WITHOUT SPECIFIC WRITTEN PERMISSION.

SCALE
 HORIZONTAL: 1"= N/A
 VERTICAL: 1"= N/A
 MP _____ TO MP _____
 SHEET 6A OF 29
 FILE: ECC-FBRBLD01006BC.LIN

GENERAL AERIAL CONSTRUCTION DETAILS

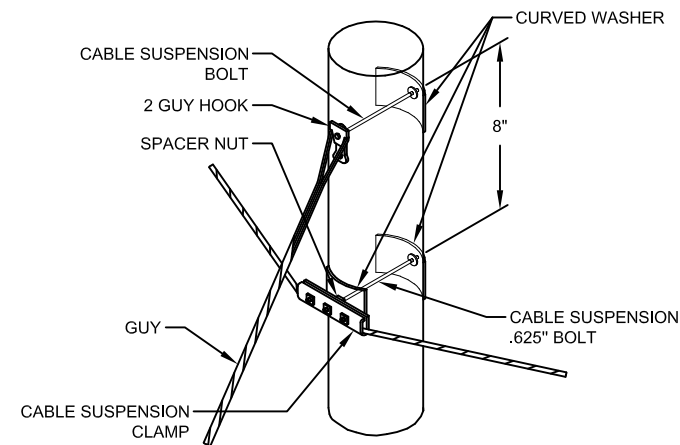
TYPICAL DETAIL "A"

POLE ARRANGEMENT FOR AERIAL TO BURIED



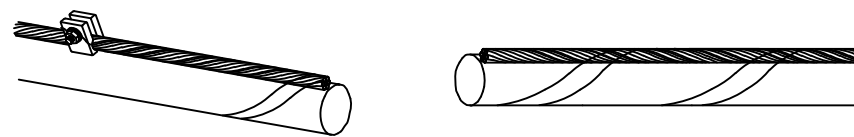
TYPICAL DETAIL "D"

SUSPENSION STRAND - PULL TOWARD POLE - LESS THAN 5 FEET



TYPICAL DETAIL "G"

JOINING 045 LASHING WIRE



FORMING WIRE OVER STUD OF CLAMP

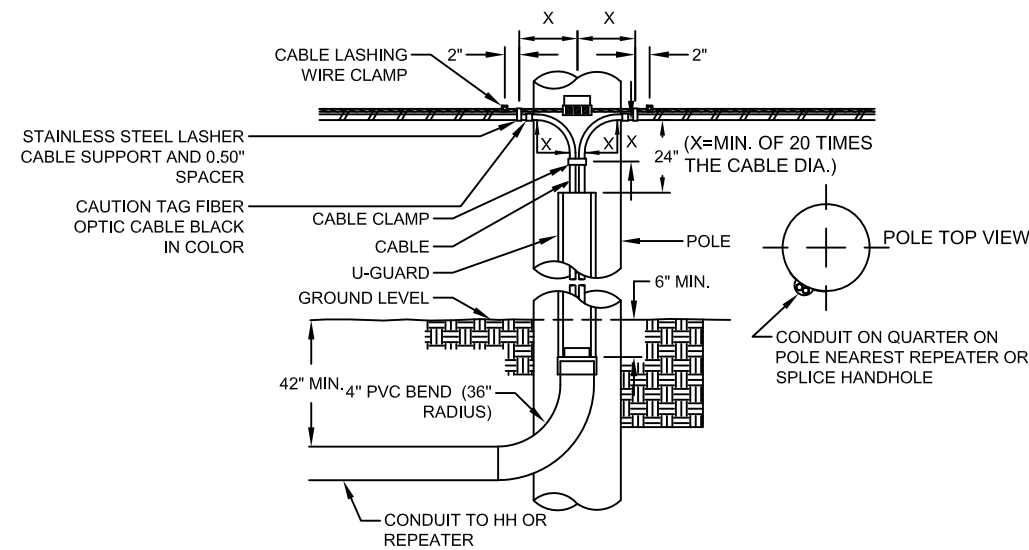
REMOVE ANY SLACK IN THE LASHING WIRE BY MAINTAINING A PULL ON THE WIRE AND TAPPING THE STRAND SHARPLY. THEN FORM THE WIRE OVER THE STUD AND TIGHTEN THE NUT. CUT THE FREE END OF THE LASHING WIRE OFF 0.75" BEYOND THE END OF THE CLAMP.

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.

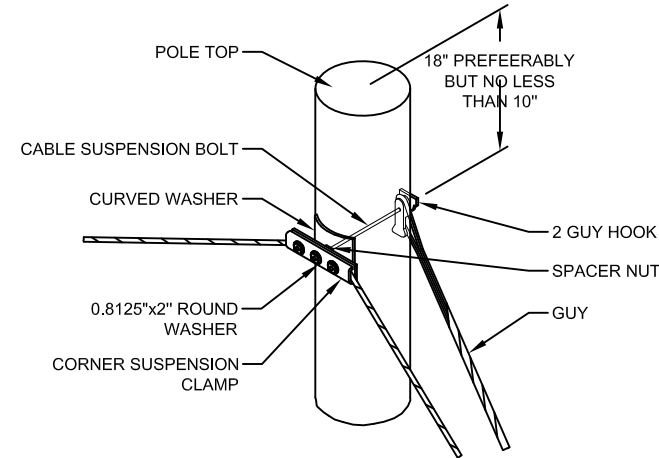
TYPICAL DETAIL "B"

POLE ARRANGEMENT FOR REPEATER OR HANDHOLE LOCATION



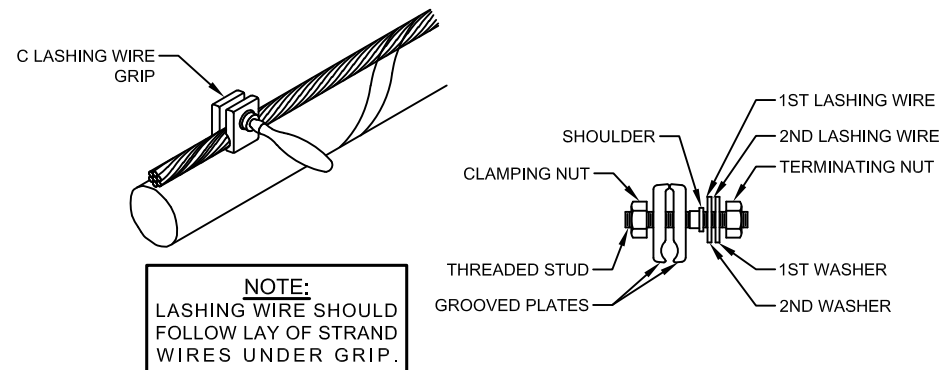
TYPICAL DETAIL "E"

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



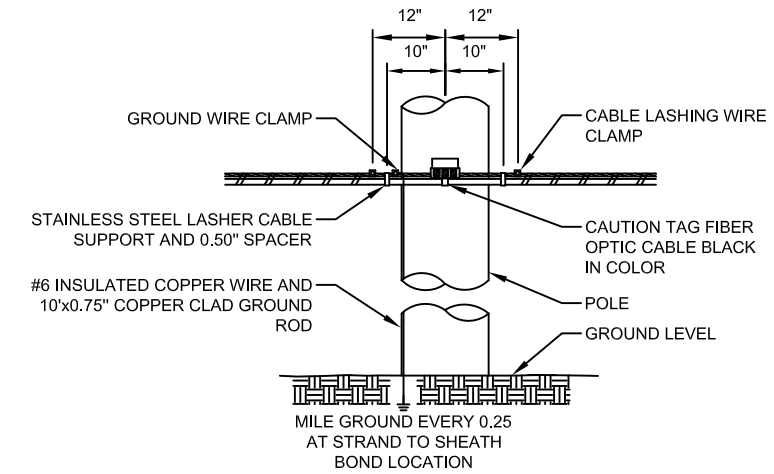
TYPICAL DETAIL "H"

LASHING WIRE GRIP AND CLAMP



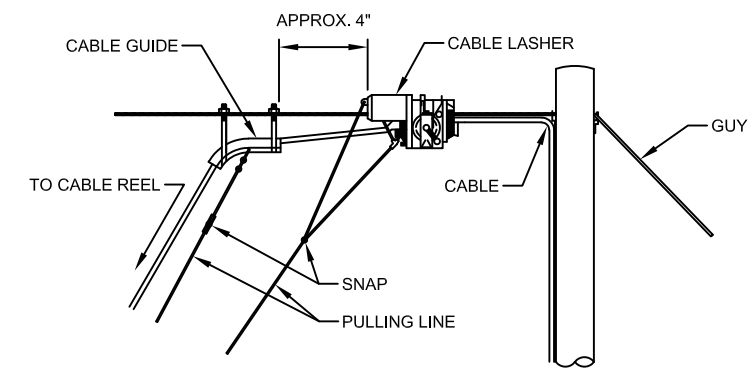
TYPICAL DETAIL "C"

TYPICAL CABLE & HARDWARE INSTALLATION



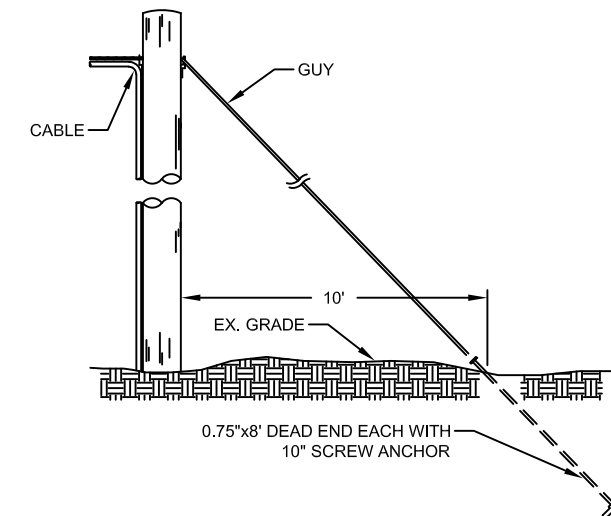
TYPICAL DETAIL "F"

TYPICAL ARRANGEMENT OF CABLE LASHER AND CABLE GUIDE



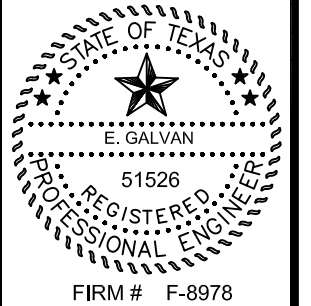
TYPICAL DETAIL "I"

ANCHOR & DOWN GUY



PROJECT: 1706ANAY.014
MISSOURI CITY, TX
MISSOURI CITY TO TRAMMELS

TEO, LLC
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teollc@gmail.com
FIRM # F-8978



McImetro
ACCESS TRANSMISSION SERVICES CORPORATION
OUTSIDE PLANT CONSTRUCTION
TITLE: FIBER OPTIC ROUTE
MISSOURI CITY TO TRAMMELS
MISSOURI CITY, TX

DATE: 10/09/18
ENGINEER: L. STALCUP
DRAWN BY: G.F.S. (JCV)

REVISIONS			
No.	DATE	DESCRIPTION	BY
1	10/9/18	FBCTRA REVS	TD

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SCALE
HORIZONTAL: 1"= N/A
VERTICAL: 1"= N/A
MP _____ TO MP _____
SHEET 6B OF 29
FILE: ECC-FBRBLD01006BC.LIN

AERIAL IN-LINE SLACK STORAGE DETAILS



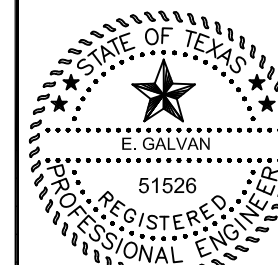
PROJECT: 1706ANAY.014

MISSOURI CITY, TX

MISSOURI CITY TO TRAMMELS

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McImetro
ACCESS TRANSMISSION SERVICES
CORPORATION

OUTSIDE PLANT CONSTRUCTION

TITLE: FIBER OPTIC ROUTE
MISSOURI CITY TO TRAMMELS
MISSOURI CITY, TX

DATE: 10/09/18

ENGINEER: L. STALCUP

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

REVISIONS			
No.	DATE	DESCRIPTION	BY
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SCALE

HORIZONTAL: 1"= N/A

VERTICAL: 1"= N/A

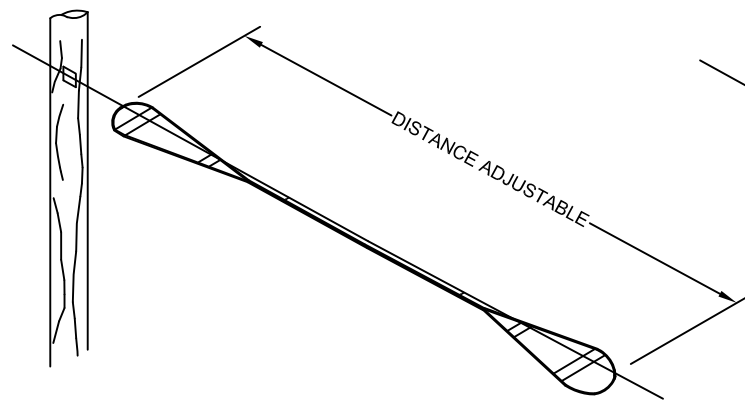
MP _____ TO MP _____

SHEET 6C OF 29

FILE: ECC-FBRBLD01006CC.LIN

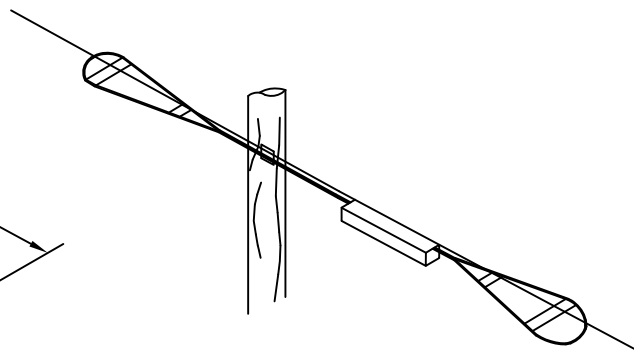
TYPICAL DETAIL "A"

RESERVE CABLE LENGTH
STRAND STORAGE APPLICATION



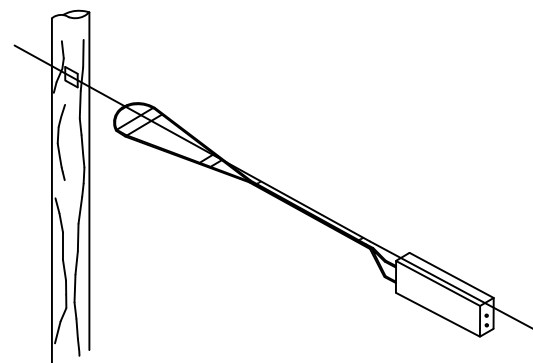
TYPICAL DETAIL "B"

IN-LINE SPLICE APPLICATION



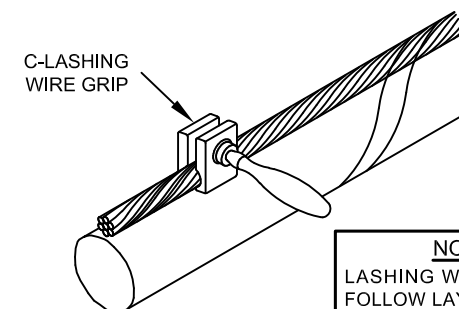
TYPICAL DETAIL "C"

BUTT SPLICE APPLICATION



TYPICAL DETAIL "D"

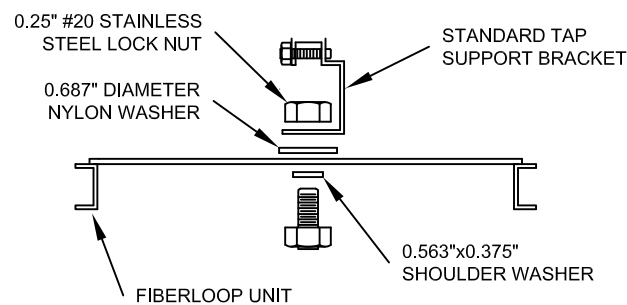
LASHING WIRE GRIP AND CLAMP C-LASHING
WIRE GRIP INSTALLED ON STRAND



NOTE:
LASHING WIRE SHOULD
FOLLOW LAY OF STRAND
WIRES UNDER GRIP.

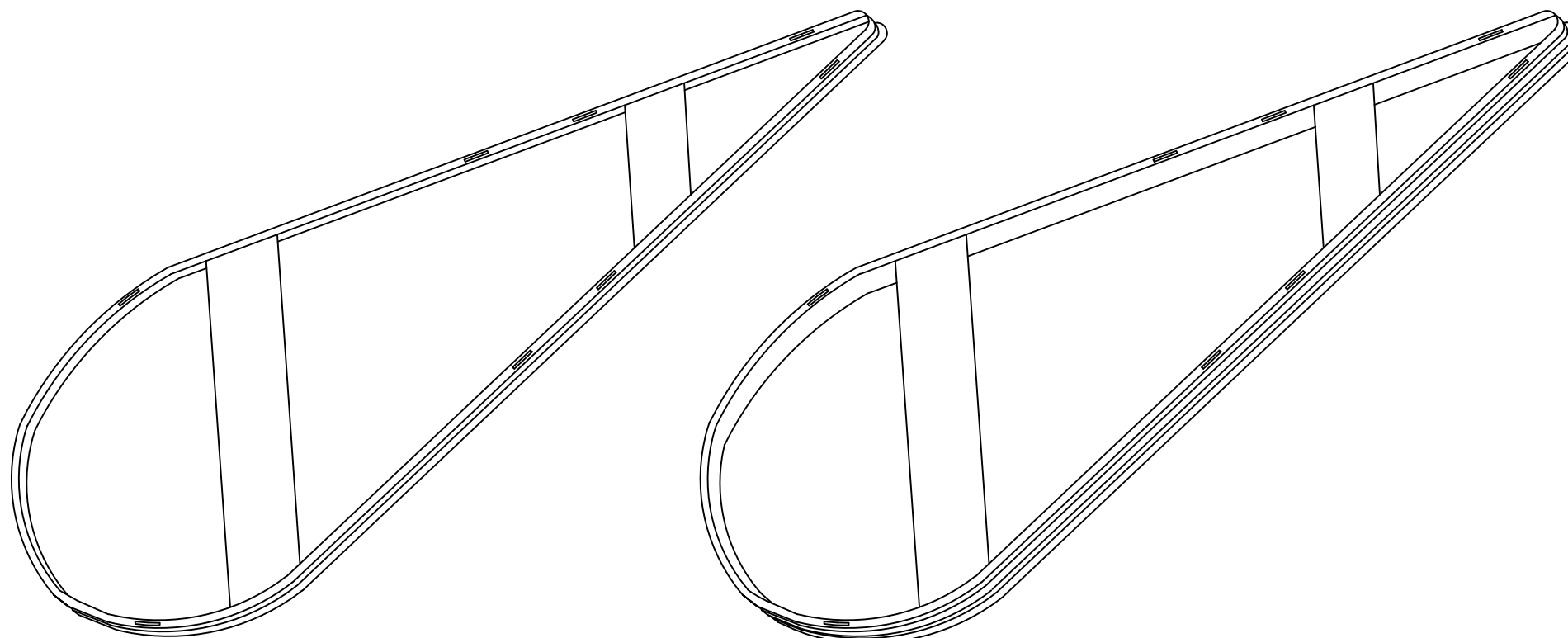
TYPICAL DETAIL "E"

HARDWARE KIT



TYPICAL DETAIL "F"

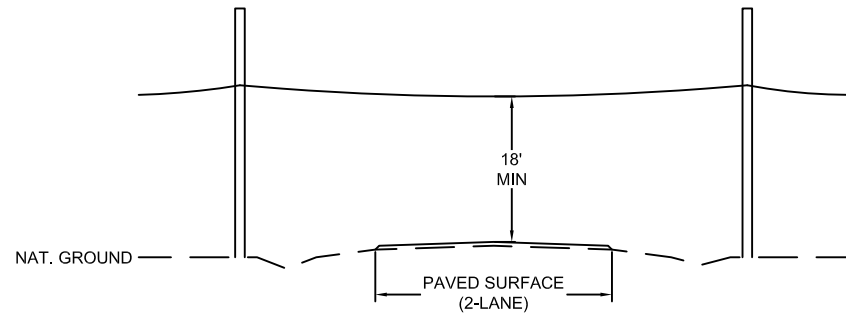
SINGLE & DOUBLE FIBER LOOPS



TYPICAL CROSSING PROFILE DETAILS: AERIAL

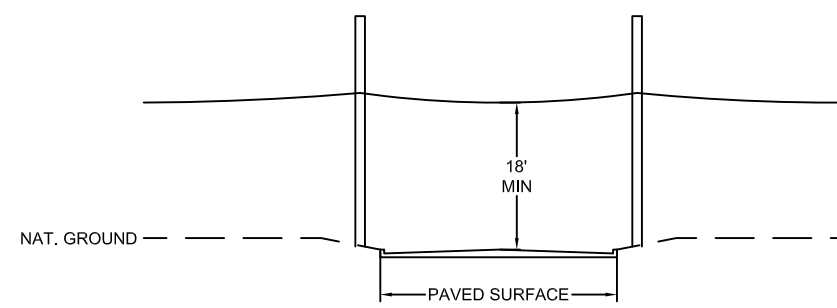
TYPICAL DETAIL "A"

TWO LANE - ASPHALT ROAD - NO CURB



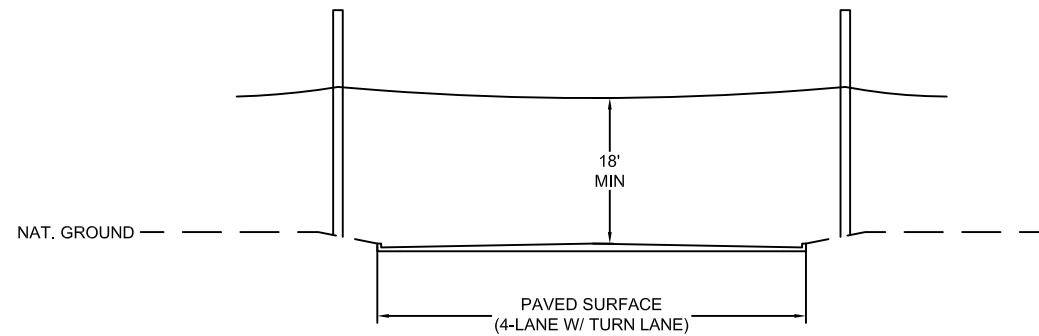
TYPICAL DETAIL "B"

TWO LANE - CURBED ROAD



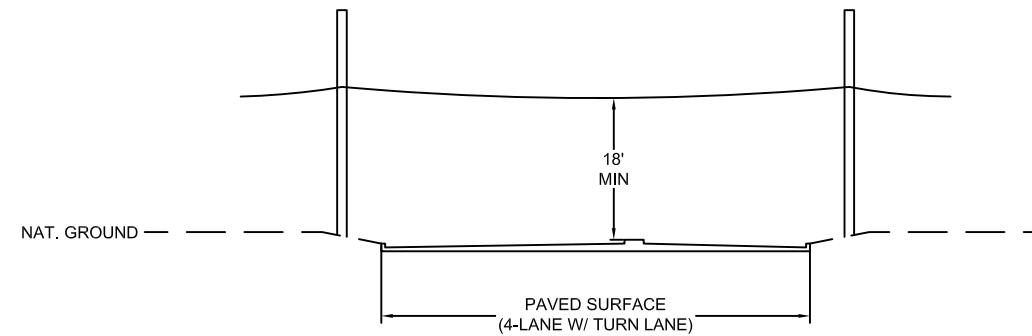
TYPICAL DETAIL "C"

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



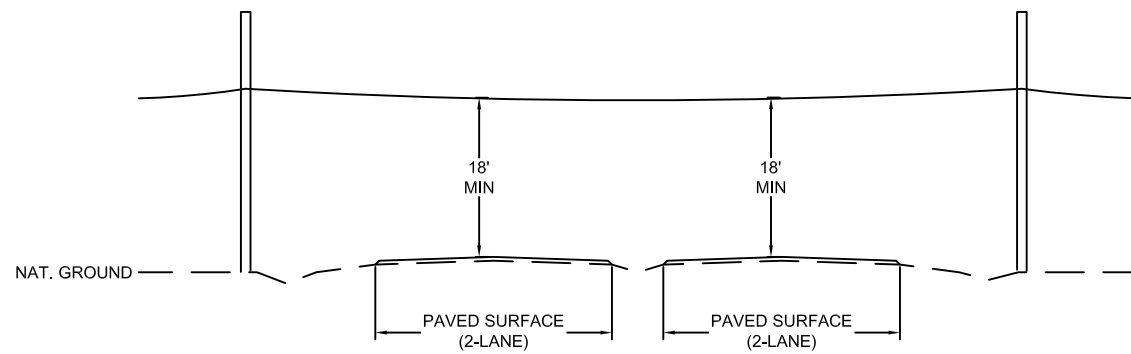
TYPICAL DETAIL "D"

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



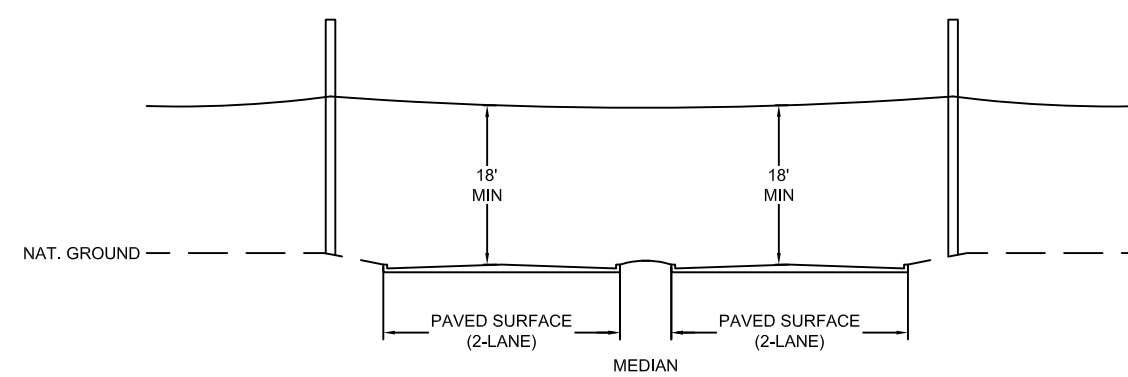
TYPICAL DETAIL "E"

4 LANE - SPLIT ASPHALT ROAD - NO CURB



TYPICAL DETAIL "F"

4 LANE - SPLIT CURBED ROAD



PROJECT: 1706ANAY.014

MISSOURI CITY, TX

MISSOURI CITY TO TRAMMELS

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FIRM # F-8978

McImetro
ACCESS TRANSMISSION SERVICES
CORPORATION

OUTSIDE PLANT CONSTRUCTION

TITLE: FIBER OPTIC ROUTE
MISSOURI CITY TO TRAMMELS
MISSOURI CITY, TX

DATE: 10/09/18

ENGINEER: L. STALCUP

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

REVISIONS

No.	DATE	DESCRIPTION	BY
1	10/9/18	FBCTRA REVS	TD

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SCALE

HORIZONTAL: 1"= N/A

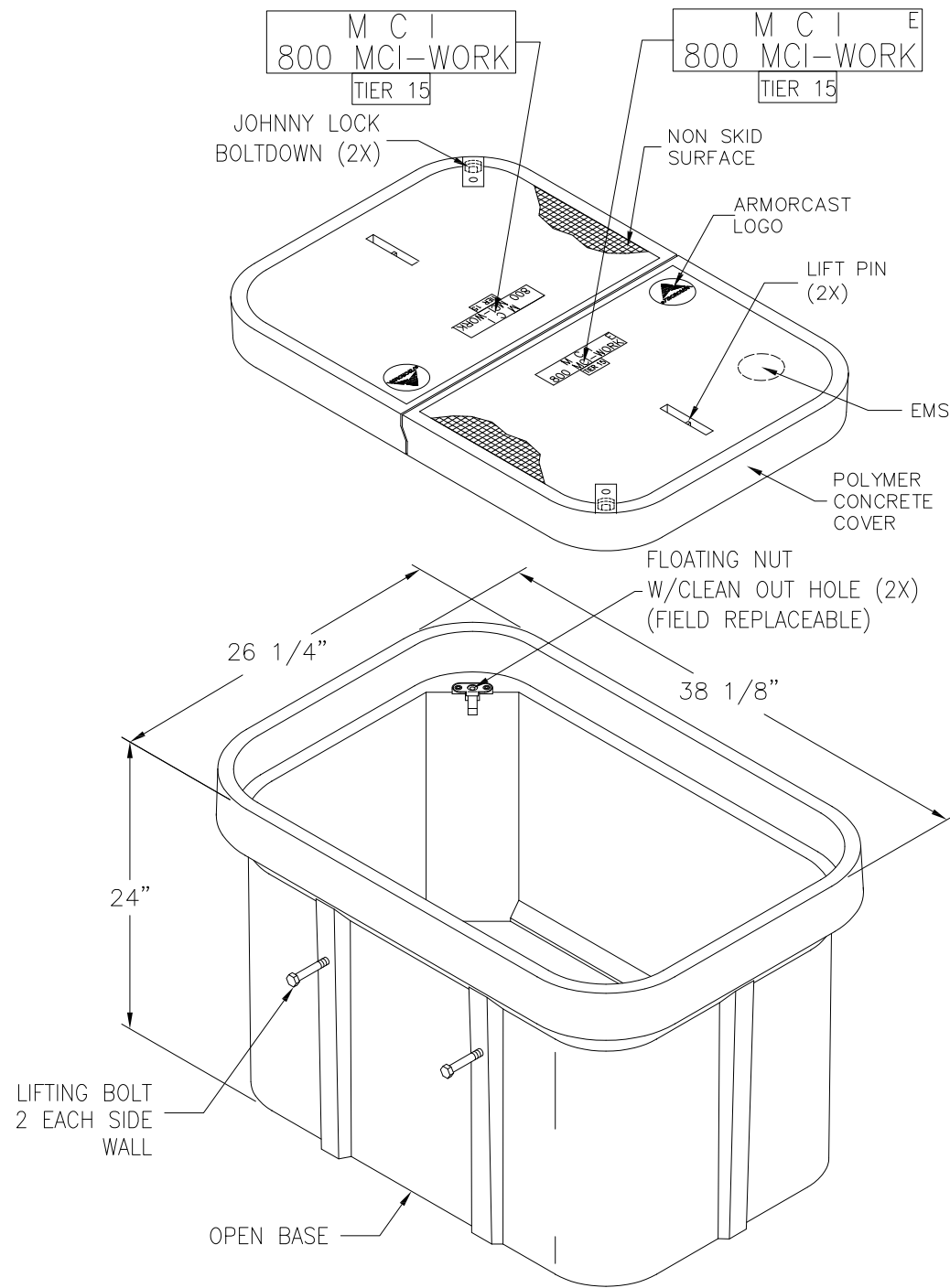
VERTICAL: 1"= N/A

MP _____ TO MP _____


SHEET 6D OF 29

FILE: ECC-FBRBLD01006AC.LIN

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



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

FILE # A6-1974TAPMCI4	 ARMORCAST® PRODUCTS COMPANY 13230 Saticoy Street, North Hollywood, CA 91605 (818) 982-3600	PART DESCRIPTION		
		24" X 36" X 24" POLYMER CONCRETE BOX ASSEMBLY		
		CUSTOMER		
		VERIZON		
DRAWN	DATE	SCALE	MAX. LOAD	
OA	10/17	NONE	TIER 15	
APPROV.	DATE	MATERIAL	DRAWING NUMBER	
WS	10/17	POLYMER CONCRETE	A6001974TAPMCI4	



PROJECT: 1706ANAY.014

MISSOURI CITY, TX

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FIRM # F-8978

MClmetro
 ACCESS TRANSMISSION SERVICES
 CORPORATION
 OUTSIDE PLANT CONSTRUCTION
 TITLE: FIBER OPTIC ROUTE
 MISSOURI CITY TO TRAMMELS
 MISSOURI CITY, TX

DATE: 10/09/18

ENGINEER: L. STALCUP

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

REVISIONS

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SCALE

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VERTICAL: 1"= N/A

MP _____ TO MP _____

SHEET 07 OF 29

FILE: ECC-FBRBLD01007.AC.LIN

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



PROJECT: 1706ANAY_014

MISSOURI CITY, TX

MISSOURI CITY TO TRAMMELS

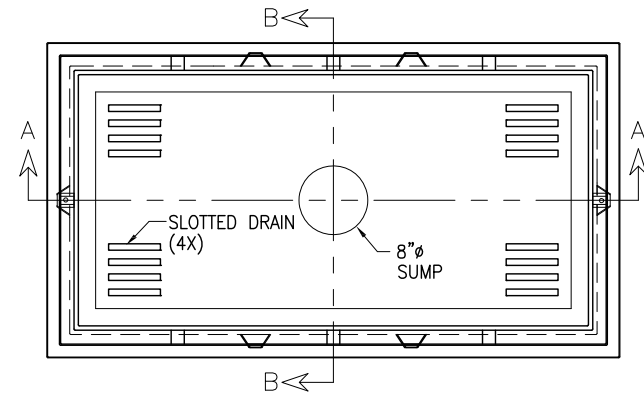
TEO, LLC
 5510 Community Drive
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 FIRM # F-8978



FIRM # F-8978

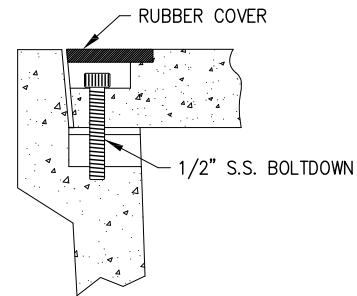
DETAIL "A"

LOCKING DEVICE
CROSS SECTION



DETAIL "B"

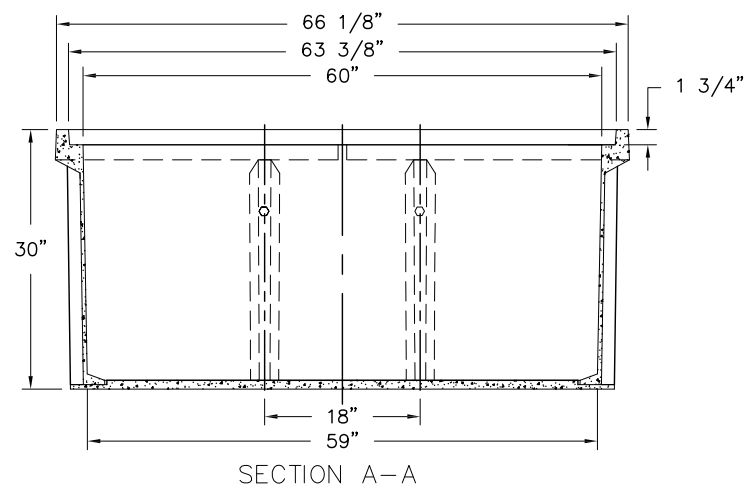
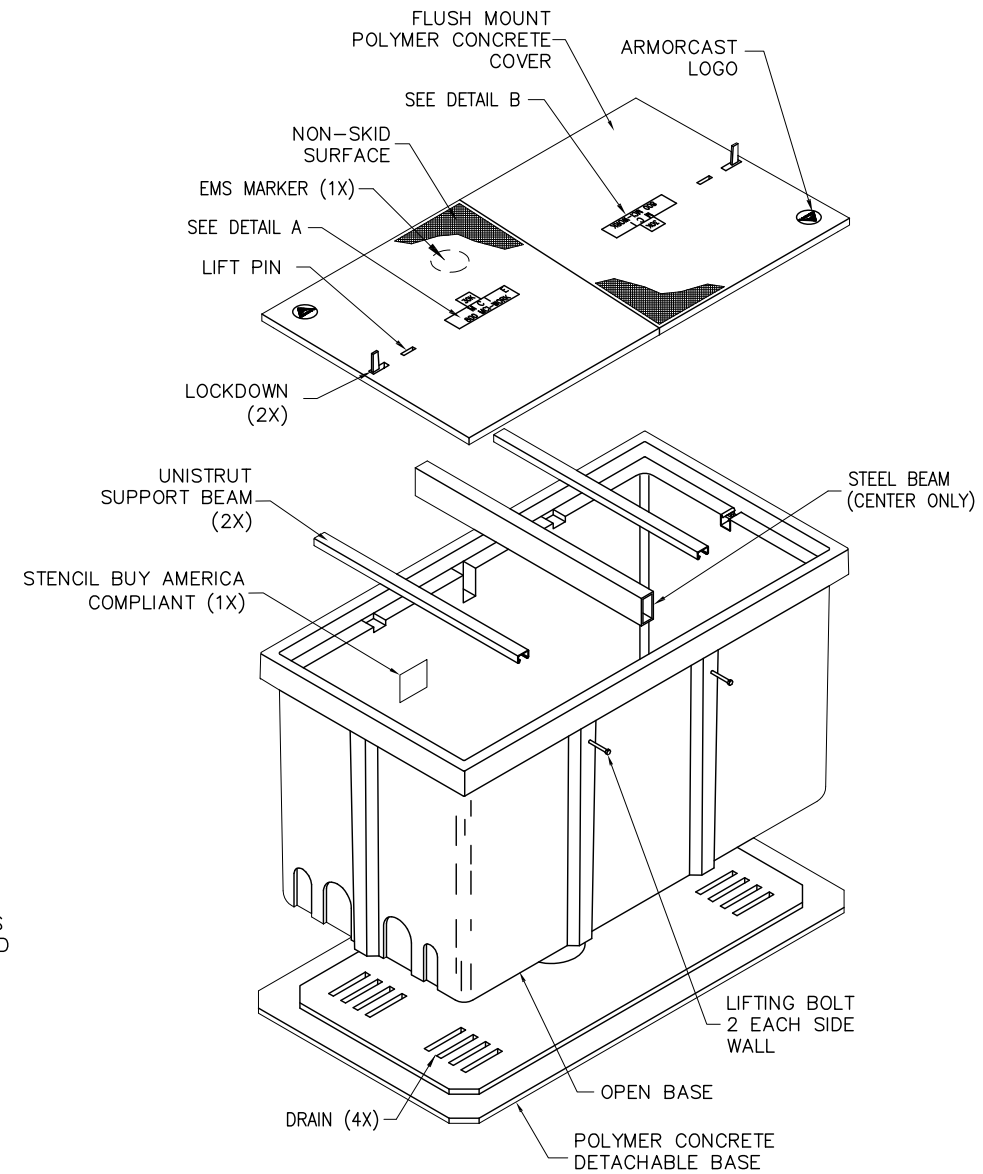
FLUSH MOUNT
COVER DETAIL



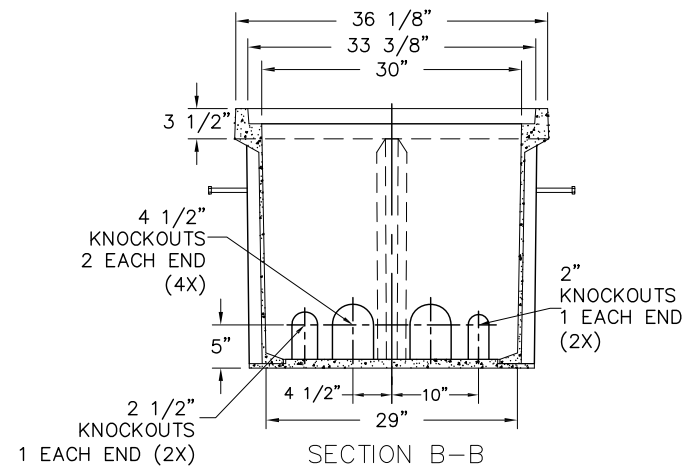
FLUSH MOUNT COVER DETAIL

DETAIL "C"

EXPLODED ISOMETRIC DETAIL



SECTION A-A



SECTION B-B

SEALED PLASTIC BAG PLACED INSIDE VAULT TO CONTAIN

ITEM	QTY	DESCRIPTION
1	(1)	JOHNNY LOCK KEY
2	(2)	S.S. JOHNNY BOLTS W/FLAT WASHER.
3		SHRINK WRAP COVERS TO FRAME FOR PACKAGING.

30K
M C I E
800 MCI-WORK
DETAIL A

30K
M C I
800 MCI-WORK
DETAIL B

30K STANDARD HANDHOLE
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

DATE: 10/09/18

ENGINEER: L. STALCUP

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

REVISIONS

No.	DATE	DESCRIPTION	BY
1	10/9/18	FBCTRA REVS	TD

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.

SCALE

HORIZONTAL: 1"= N/A

VERTICAL: 1"= N/A

MP TO MP

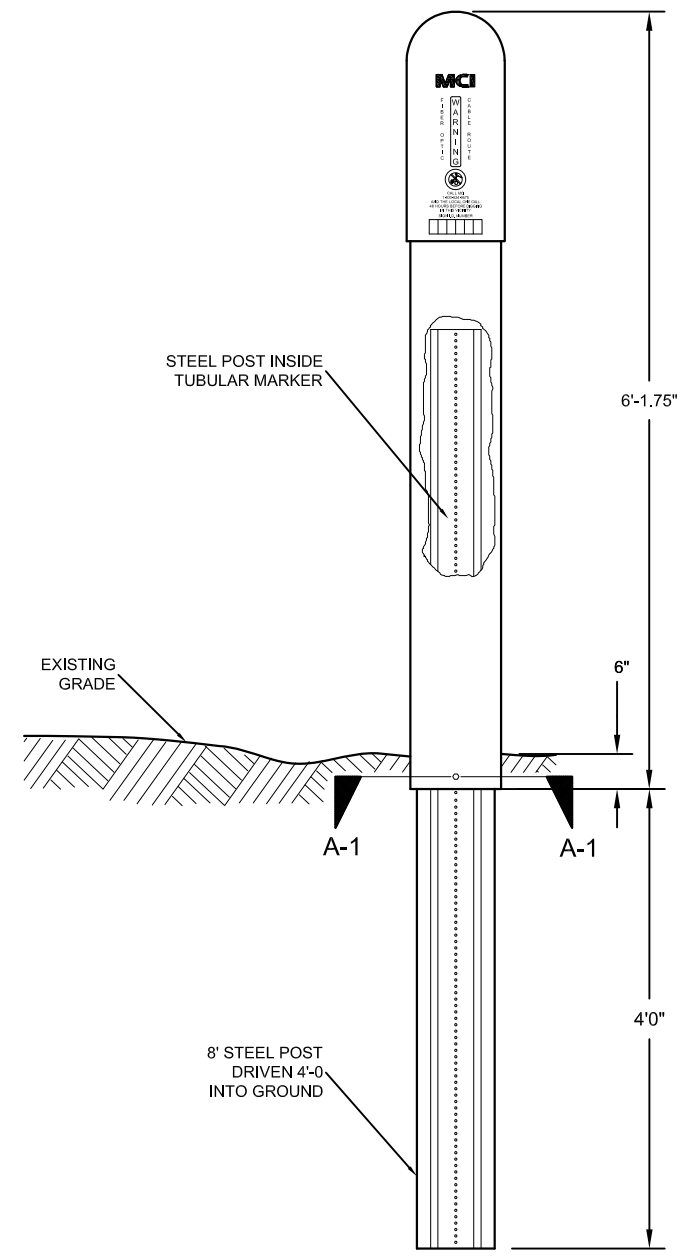
SHEET 07A OF 29

FILE: ECC-FBRBLD01007.AC.LIN

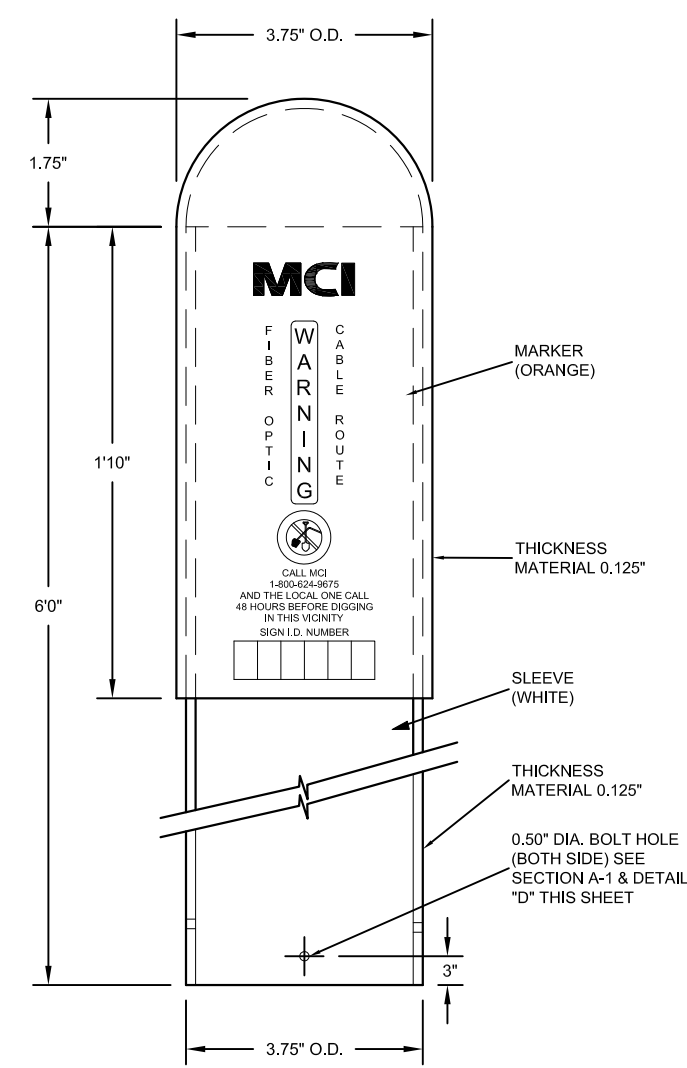
MCI metro
ACCESS TRANSMISSION SERVICES CORPORATION
OUTSIDE PLANT CONSTRUCTION
TITLE: FIBER OPTIC ROUTE
MISSOURI CITY TO TRAMMELS
MISSOURI CITY, TX

TUBULAR MARKER DETAILS

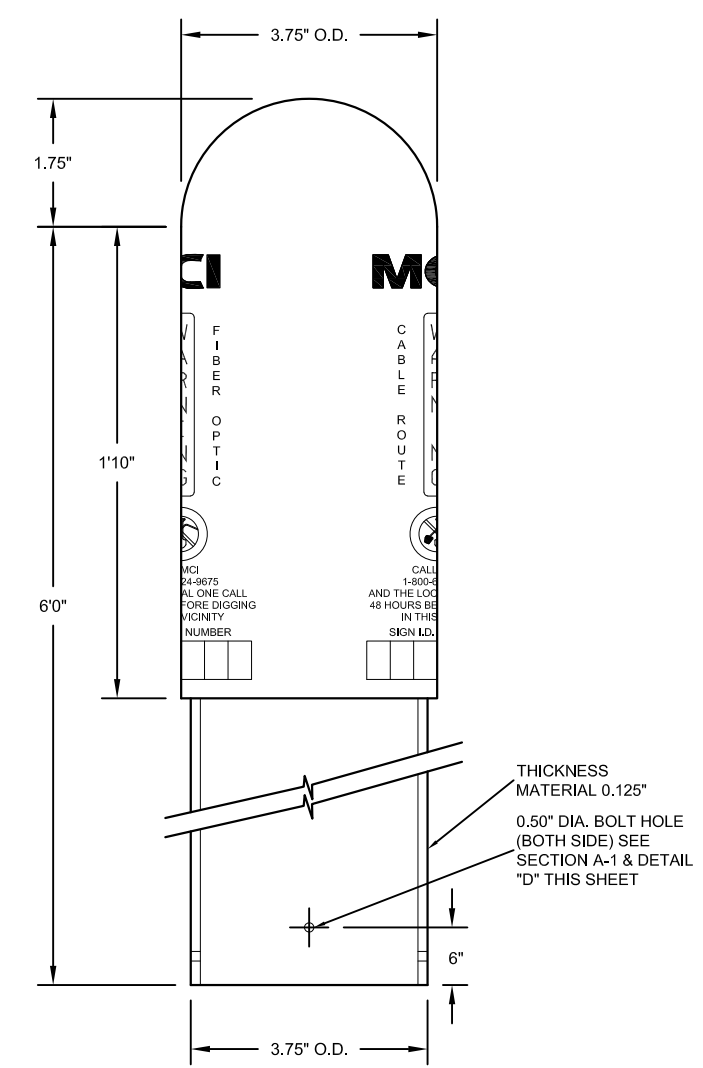
DETAIL "A"
INSTALLATION VIEW



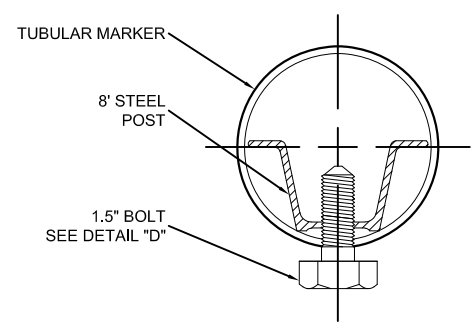
DETAIL "B"
FRONT VIEW



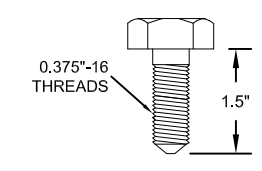
DETAIL "C"
SIDE VIEW



SECTION A-1
TUBULAR MARKER

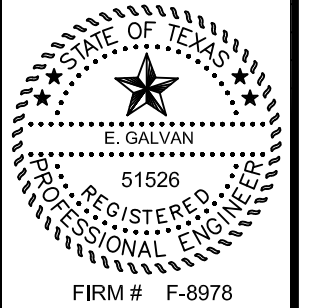


DETAIL "D"
1.5" BOLT



PROJECT: 1706ANAY.014
MISSOURI CITY, TX
MISSOURI CITY TO TRAMMELS

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



McImetro
ACCESS TRANSMISSION SERVICES CORPORATION
OUTSIDE PLANT CONSTRUCTION
TITLE: FIBER OPTIC ROUTE
MISSOURI CITY TO TRAMMELS
MISSOURI CITY, TX

DATE: 10/09/18
ENGINEER: L. STALCUP
DRAWN BY: G.F.S. (JCV)

REVISIONS			
No.	DATE	DESCRIPTION	BY
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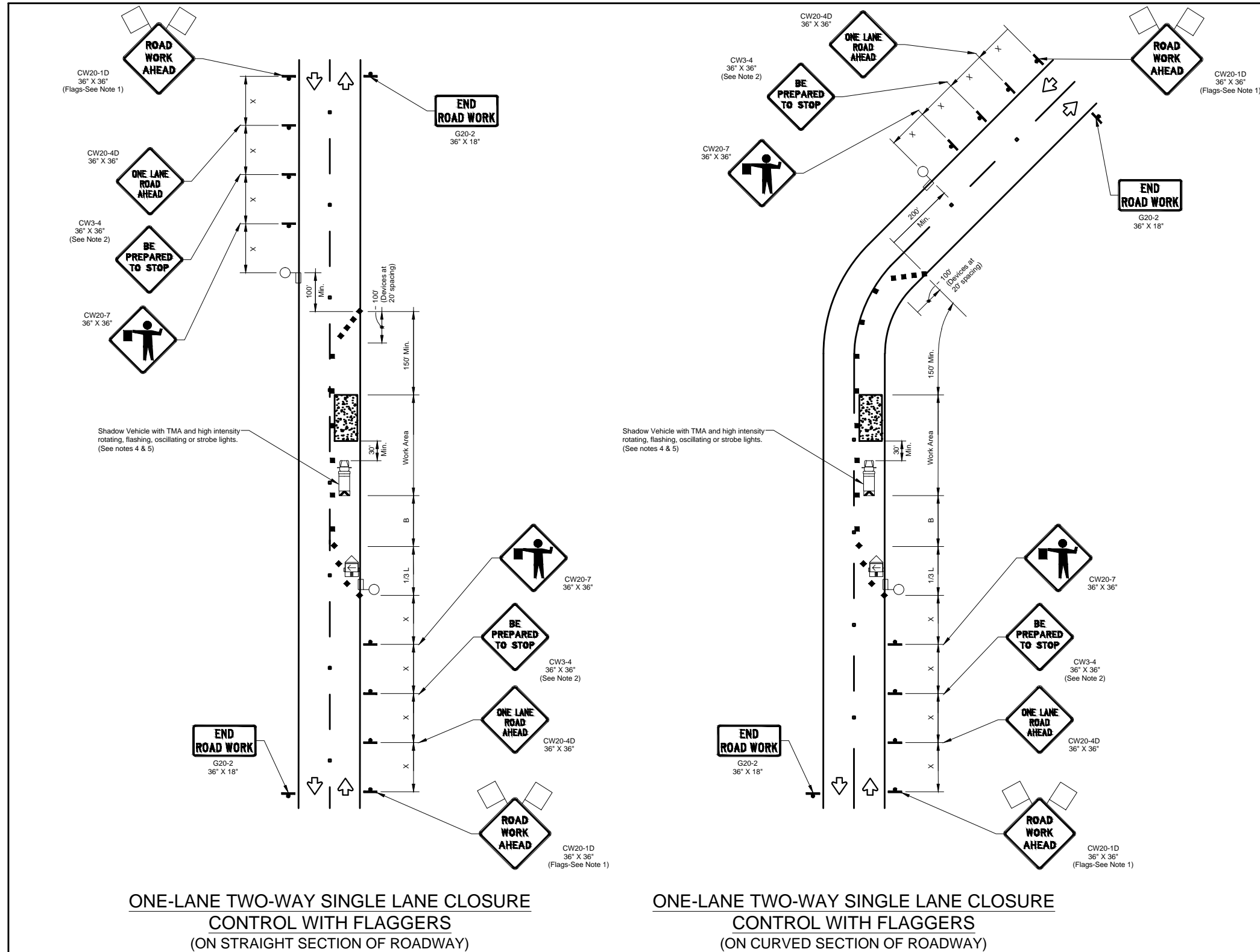
SCALE
HORIZONTAL: 1"= N/A
VERTICAL: 1"= N/A
MP _____ TO MP _____
SHEET 8 OF 29
FILE: ECC-FBRBLD01008.AC.LIN

TRAFFIC CONTROL PLAN DETAILS



PROJECT: 1706ANAY.014

MISSOURI CITY, TX
MISSOURI CITY TO TRAMMELS



TRAFFIC CONTROL PLAN SECTION SHALL BE COMPLETED BY ENGINEER

ROADWAY	POSTED SPEED	TAPER LENGTH	CHANNELIZING DEVICES		SIGN SPACING	BUFFER SPACE
			TAPER	TANGENT		
X30X	30 MPH	180'	30'	60'	120'	90'
X35X	35 MPH	245'	35'	70'	160'	120'
X40X	40 MPH	320'	40'	80'	240'	155'
X45X	45 MPH	540'	45'	90'	320'	195'
X50X	50 MPH	600'	50'	100'	400'	240'
X55X	55 MPH	660'	55'	110'	500'	295'

LEGEND

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

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

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

GENERAL NOTES

- Flags attached to signs where shown are OPTIONAL.
- All traffic control devices illustrated are REQUIRED, except those denoted with the triangle symbol are OPTIONAL.
- Inactive work vehicles or other equipment should be parked near the right-of-way line and not parked on the paved shoulder.
- A Shadow Vehicle with a TMA should be used anytime it can be positioned 30 to 100 feet in advance of the area of crew exposure without adversely affecting the performance or quality of the work. If workers are no longer present but road or work conditions require the traffic control to remain in place, Type 3 Barricades or other channelizing devices may be substituted for the Shadow Vehicle and TMA.
- Additional Shadow Vehicles with TMAs may be positioned off the paved surface, next to those shown in order to protect wider work spaces.
- Contractor shall provide and install traffic control devices in conformance with part VI of Texas Manual on Uniform Traffic Control Devices (TMUTCD - Latest edition with revisions) during construction.
- No lanes shall be blocked from 7am to 9am and 4pm to 6:30pm Monday thru Friday.
- Off duty police officers/flaggers are required to direct traffic when applicable.
- If project is within 400 feet from a signalized intersection, the Contractor shall contact FORT BEND COUNTY Engineering Department, Traffic Signal Maintenance at (713) 881-3210 five (5) days prior to the start of construction.

MClmetro
 ACCESS TRANSMISSION SERVICES
 CORPORATION
 OUTSIDE PLANT CONSTRUCTION
 TITLE: FIBER OPTIC ROUTE
 MISSOURI CITY TO TRAMMELS
 MISSOURI CITY, TX

DATE: 9/7/18

ENGINEER: L. STALCUP

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

REVISIONS

No.	DATE	DESCRIPTION	BY

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SCALE

HORIZONTAL: 1"= N/A

VERTICAL: 1"= N/A

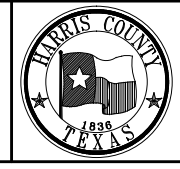
MP TO MP

SHEET 8A OF 29

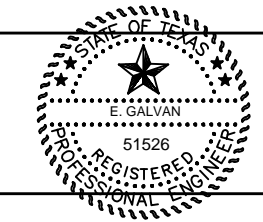
FILE: ECC-FBRBLD01008BC.LIN

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

FORT BEND COUNTY
ENGINEERING DEPARTMENT



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



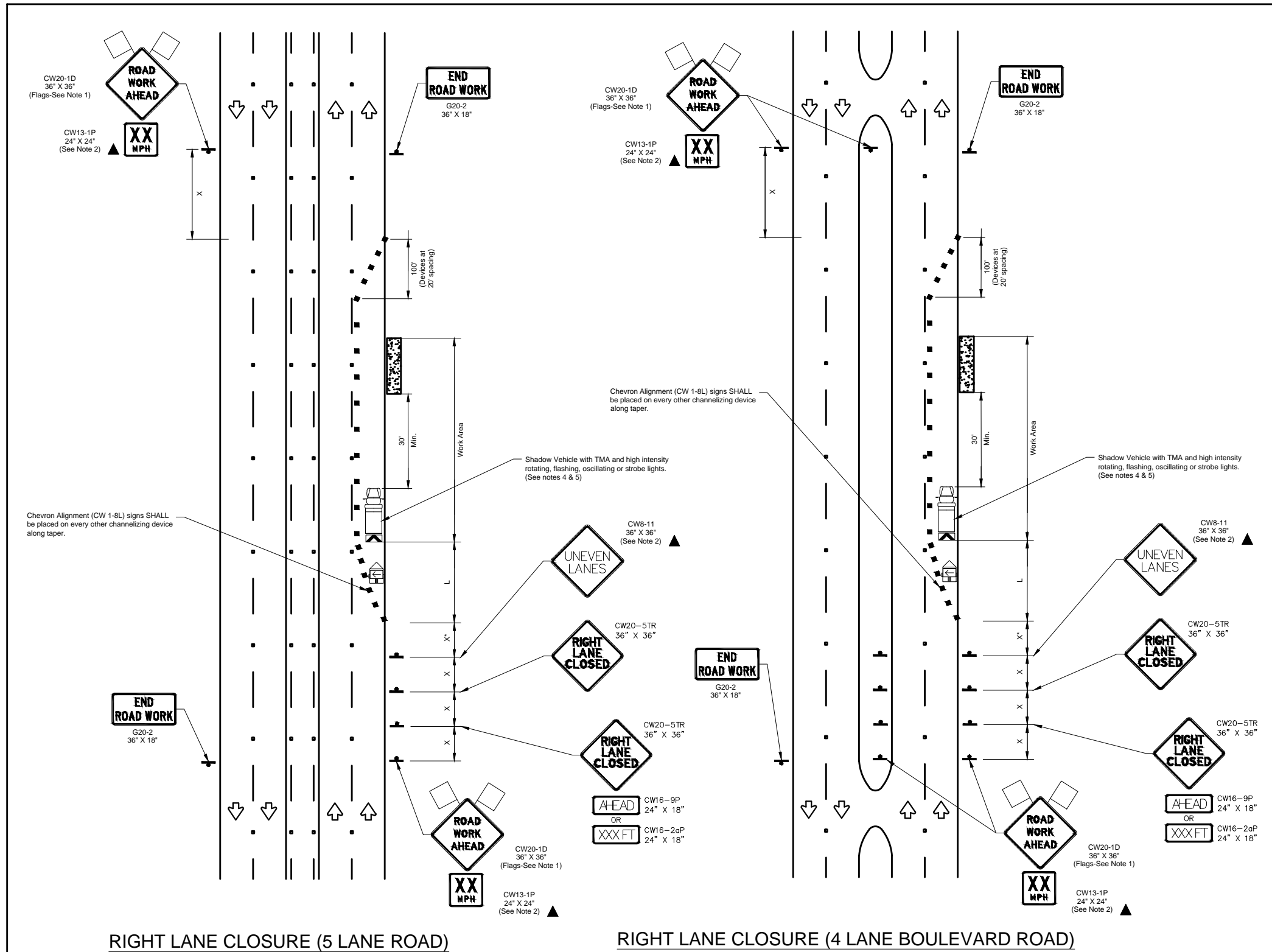
PROJECT TITLE:	1706ANAY.014 MISSOURI CITY TO TRAMMELS	
DRAWN BY:	G.F.S.	ERVIN CABLE CONSTRUCTION
CR'D BY:	G.F.S.	SHEET DESCRIPTION: TRAFFIC CONTROL PLAN (RIGHT LANE CLOSURE)
SCALE:	N.T.S.	HCD STANDARD 39
DATE:	9/7/18	APPROVED BY:
		SHEET NO: 8A [XX]

TRAFFIC CONTROL PLAN DETAILS



PROJECT: 1706ANAY.014

MISSOURI CITY, TX
MISSOURI CITY TO TRAMMELS



TRAFFIC CONTROL PLAN SECTION SHALL BE COMPLETED BY ENGINEER

ROADWAY	POSTED SPEED	TAPER LENGTH	SPACING CHANNELIZING DEVICES		SIGN SPACING	BUFFER SPACE
			TAPER	TANGENT		
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LEGEND

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Posted Speed *	Formula	Minimum Desirable Taper Lengths "L"			Suggested Maximum Spacing of Channelizing Devices		Minimum Sign Spacing "X" Distance	Suggested Longitudinal Buffer Space "B"
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* Conventional Roads Only
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L=Length of Taper(FT) W=Width of Offset(FT) S=Posted Speed(MPH)

- GENERAL NOTES**
- Flags attached to signs where shown are OPTIONAL.
 - All traffic control devices illustrated are REQUIRED, except those denoted with the triangle symbol are OPTIONAL.
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MCimetro
ACCESS TRANSMISSION SERVICES CORPORATION
OUTSIDE PLANT CONSTRUCTION
TITLE: FIBER OPTIC ROUTE
MISSOURI CITY TO TRAMMELS
MISSOURI CITY, TX

DATE: 9/7/18
ENGINEER: L. STALCUP
DRAWN BY: G.F.S. (JCV)

REVISIONS

No.	DATE	DESCRIPTION	BY

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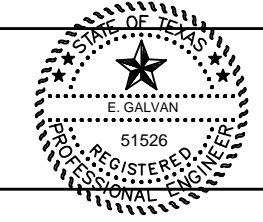
SCALE
HORIZONTAL: 1"= N/A
VERTICAL: 1"= N/A
MP TO MP
SHEET 8B OF 29
FILE: ECC-FBRBLD01008CC.LIN

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

FORT BEND COUNTY
ENGINEERING DEPARTMENT



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



PROJECT TITLE: 1706ANAY.014 MISSOURI CITY TO TRAMMELS

DRAWN BY: GFS	ERVIN CABLE CONSTRUCTION	HCD STANDARD
CK'D BY: GFS	SHEET DESCRIPTION: TRAFFIC CONTROL PLAN (RIGHT LANE CLOSURE)	41
SCALE: N.T.S.		SHEET NO: 8B / XX
DATE: 9/7/18	APPROVED BY:	

PERMIT REQUIREMENTS (May 2018)
FORT BEND GRAND PARKWAY TOLL ROAD AUTHORITY
AND FORT BEND COUNTY TOLL ROAD AUTHORITY
 (collectively known as FBTRA)

- A preconstruction meeting with Authority's staff will be required before commencing work. Contact Phil Martin with FBTRA at (713) 574-5261 office; (832) 907-5726 cell), or philmartin@fbctra.com to schedule the meeting.

- All work within the right-of-way shall be performed in accordance with TxDOT standards and specifications as to the installation and materials used. All materials and mix designs to be placed in TxDOT right-of-way must be obtained from TxDOT approved sources and be of approved TxDOT or FBTRA mix designs.

- At least five (5) working days prior to any excavation, permittee shall request the location of all underground utilities within the work area by calling 811, and contacting local municipalities, utility districts, school districts, or any other utility owners. Do not perform underground work on the project until FBTRA owned facilities have been located and marked. Use caution when working in these areas to avoid damaging or interfering with existing facilities. Permittee shall be responsible for relocating and/or adjusting any utilities within the work area.

- Any work with in the toll road right of way requires a traffic control plan (TCP); even if lanes are not affected. Utility borings that don't require equipment or personnel within the right of way do not require TCP.

- This permit is subject to a separate traffic control plan being approved by the Authority's Engineer. All work must follow the TxDOT Traffic Control Plan Standards, Latest Revision, or if approved, Typical Applications shown in the Texas Manual on Uniform Traffic Control Devices, Latest Revision, Chapter 6-H. The advanced warning signage shown on standards BC (1)-14 thru BC (12)-14 will be required. It is mutually agreed and understood that the implementation and maintenance of the traffic control plan shall be the responsibility of the Permittee. Contractor is required to supply all sub-contractors with a copy of this permit and approved traffic control plan. The person in charge for permittee/contractor on the job site shall have a copy of the permit and approved Traffic Control Plan (TCP) at all times.

- No lane closures permitted during peak hours without authorization from the Authority. Peak hours are weekdays from 5am to 9am, and 3pm to 7pm. No lane closures on holidays or holiday weekends.

- Designate in writing, a Contractor's Responsible Person (CRP) and an alternate to be the representative of the Contractor who is responsible for taking or directing corrective measures regarding the traffic control. CRP or alternate must be accessible by phone 24 hr. per day and able to respond when notified. The CRP and alternate must comply with the requirements of TxDOT Specification, Section 7.2.6.5., "Training."

- Flaggers must be courteous and able to effectively communicate with the public. When directing traffic, flaggers must dress appropriately, wear high-visibility safety apparel, use flags, signs, stop-slow paddles, and other hand-signaling devices, and follow the flagging procedures in the TMUTCD. Comply with the requirements of TxDOT Specification Section 7.2.6.5., "Training."

- Workers involved with traffic control, including the maintenance of the traffic control, must comply with the requirements of TxDOT Specification, Section 7.2.6.5., "Training."

- Provide a copy of the certification of completion to the Engineer, except in the case of Contractor-developed Training. Ensure the certification of completion includes the following:
 - name of provider and course title,
 - name of participant,
 - date of completion, and
 - date of expiration.

- For Contractor developed-Training, maintain a log of attendees. Make the log available upon request. Ensure the log is legible and includes the following:
 - print name and signature of participant,
 - name and title of trainer, and
 - date of training.

- The Permittee shall coordinate the sequence of construction and traffic control plan with any adjacent construction or maintenance projects. No overnight lane closures will be permitted, unless otherwise approved by the Authority's Engineer.

- Work performed within the waterways, such as rivers, creeks, bayous, and drainage ditches, is subject to the concurrence of appropriate regulatory agencies.

- The Permittee certifies that its drainage system meets all storm water quality criteria of the County and/or City where the permit is located.

- All excavations within the right-of-way shall be backfilled according to the TxDOT Standard Specifications for Construction and Maintenance of Highways, Streets, and Bridges (SPECS), Item 400, as currently amended. All surplus material shall be removed from the right-of-way, and the excavation finished flush with surrounding natural ground.

- In no event will an edge drop-off be permitted during the hours of darkness. If the Contractor is unable to complete a section before the end of the work day, base material capable of vehicle support shall be pulled back to the existing edge on a 4:1 or flatter slope, to provide for driver and pedestrian safety.

- The Contractor shall not create a dirt nuisance or safety hazard in any roadway. The pavement shall be cleaned daily.

- All exposed dirt surfaces shall be fully block sodded, unless otherwise approved by the Authority's Engineer. A slope of 4:1, or flatter, shall be required on the ditch front slope. Sod/grass shall be watered until roots have established into soil.

- No valves, meter boxes, cleanouts, ground boxes, handholes, manhole covers, etc. will be allowed in the pavement. These appurtenances shall be relocated elsewhere within the right-of-way, unless otherwise approved by the Authority's Engineer.

- The Texas Universal Triangular Slip Base Sign Supports shall be required for all signage within the right-of-way. Proposed signs, or those which require relocation, shall be done in accordance with the following TxDOT standards: SMD (GEN)-08, SMD (SLIP-1)-08, SMD (SLIP-2)-08, and SMD (SLIP-3)-08.

- All work zone pavement markings shall meet the requirements of TxDOT Specification, Item 662. All permanent pavement markings shall meet the requirements of TxDOT Specification, Item 666, and be placed in accordance with the following standards: PM (1)-12, PM (2)-12, PM (3)-12, and PM (4)-12. All raised pavement markers shall meet the requirements of TxDOT Specification, Item 672.

- Existing pavement markings shall be removed according to the requirements of TxDOT Specification, Item 677, or to the satisfaction of the Authority's Engineer. All pavement surfaces shall be cleaned and prepared in accordance with TxDOT Specification, Item 678.

- The Contractor shall employ at his/her expense, an approved commercial testing laboratory to perform testing on materials (such as concrete, base, lime, and asphalt). Sample and test concrete in accordance with TxDOT Specifications. Certified reports of all test results shall be submitted to the Authority's Engineer. Make at least one set of test specimens for each element cast each day. Cure these specimens under the same conditions as the portion of the structure involved for all stages of construction. Ensure safe handling, curing, and storage of all test specimens.

- Should the existing roadway pavement or other feature be damaged, the permittee shall make repairs as specified by the Authority's Engineer.

- Inlet depressions in concrete pavement must be removed to prevent ponding in the pavement.

- All storm sewer and culvert pipes used shall be Reinforced Concrete Pipe (RCP).

- Culvert crossings within the 30-foot clear zone (parallel culverts) shall be required to have minimum 6:1 sloping ends known as Safety End Treatments (SETs). The culvert shall have sufficient length to allow the 6:1 slope to be achieved from the top edge of pavement to the flowline at the bottom end of the SET. Culverts that exceed 50' in length shall have a junction box for clean out as specified by the Authority's Engineer.

- Culverts larger than single 33-inch diameter, double 30-inch diameter, or three or more 12-inch diameter shall require safety pipe runners.

- Riprap or stabilizing material shall be provided and installed by grantee at time of construction as directed by Area Engineer.

- Full-depth saw cut shall be made to facilitate removal of the concrete within the limits of the required full-depth cuts. Concrete adjacent to the patch shall not be spalled or fractured by the removal procedure.

- Work areas that have been disturbed must be returned to the original condition and may be required to place grass sod and continual watering until roots are established.

- Placement or removal of beautification on right of way shall be under the direction of the Authority, at the permittees expense. This includes but not limited to landscape, bushes, trees, etc.

- The Grantee certifies that its storm water runoff to the right of way (Authority's/County/State) shall not be contaminated by any industrial processes or significant pollutants, and the Authority/County/State shall not be held liable for any pollutants entering the right of way through storm water connections.

- Grantee shall meet all Americans with Disabilities Act (ADA) and Texas Department of Licensing Regulation (TDLR) requirements for items including but not limited to sidewalks and wheelchair ramps.

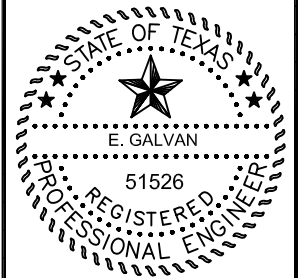


PROJECT: 1706ANAY.014

MISSOURI CITY, TX

MISSOURI CITY TO TRAMMELS

TEO, LLC
 5510 Community Drive
 Houston, Texas
 77005
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 FIRM # F-8978



FIRM # F-8978

MCI metro
 ACCESS TRANSMISSION SERVICES
 CORPORATION
 OUTSIDE PLANT CONSTRUCTION
 TITLE: FIBER OPTIC ROUTE
 MISSOURI CITY TO TRAMMELS
 MISSOURI CITY, TX

DATE: 10/09/18

ENGINEER: L. STALCUP

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

REVISIONS

No.	DATE	DESCRIPTION	BY
1	10/9/18	FBCTRA REVS	TD

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SCALE

HORIZONTAL: 1"= N/A

VERTICAL: 1"= N/A

MP _____ TO MP _____

SHEET 8A OF 29

FILE: ECC-FBRBLD01008.AC.LIN

PERMIT REQUIREMENTS (May 2018)
 FORT BEND GRAND PARKWAY TOLL ROAD AUTHORITY
 AND FORT BEND COUNTY TOLL ROAD AUTHORITY
 (collectively known as FBTRA)

- Grantee shall obtain overall environmental clearance with all appropriate regulatory agencies prior to beginning construction. Approval of this request by the Authority/County does not relieve the Grantee or its agents of this obligation.
- Work performed on railroad right-of-way or easements controlled by others is subject to the concurrence of the owner of said properties. Approval of this request by the Authority/County does not relieve the Grantee of this obligation.
- The complete permit package including TCP shall be on the project site at all times and available for review by Authority/County representatives.
- Upon completion of work, submit CADD/Microstation files and pdf of Record Drawings to Phil Martin with FBTRA.
- The Permittee shall indemnify and save harmless the Authority, County and State from any and all damages or losses that may develop due to this project.
 - All TxDOT standards are available online for free download:
 Statewide <http://www.dot.state.tx.us/business/standardplanfiles.htm>
 Houston District <http://www.dot.state.tx.us/hou/specinfo/specs.htm>
 Additional requirements for utilities:
 - Contact Phil Martin with FBTRA at (713) 574-5261 office; (832) 907-5726 cell), or philmartin@fbctra.com, at least 48 hours prior to starting work within toll road right of way.
 - Access to SH 99/Grand Parkway or Fort Bend Parkway must be coordinated with FBTRA prior to work
 - All work must meet TxDOT/State of Texas utility accommodation requirements
 - Markers must be placed at the right of way line for all underground utilities. Markers must indicate owners name and contact information.
 - Utility owner must provide owner's responsible person's name and contact information (not contractor's contact information). Owner's responsible person must be available 24 hours/day – 7 days/week for emergency contact.
- Bore pits within the right of way must be protected during non-work hours.
- Borings must be cased from right of way line to right of way line, unless other approval is received from the Authority
 The Authority will assist as follows:
 1. Provide inspection of construction.
 2. This permit issued subject to a traffic control plan, which will be prepared, signed/sealed by permittees agent, will approved by the Authority's Engineer. No work within the right of way shall begin until this approval has been granted.



PROJECT: 1706ANAY.014
 MISSOURI CITY, TX
 MISSOURI CITY TO TRAMMELS

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



FIRM # F-8978

MCI metro
 ACCESS TRANSMISSION SERVICES
 CORPORATION
 OUTSIDE PLANT CONSTRUCTION
 TITLE: FIBER OPTIC ROUTE
 MISSOURI CITY TO TRAMMELS
 MISSOURI CITY, TX

DATE: 10/09/18

ENGINEER: L. STALCUP

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

REVISIONS			
No.	DATE	DESCRIPTION	BY
1	10/9/18	FBCTRA REVS	TD

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.

SCALE

HORIZONTAL: 1"= N/A

VERTICAL: 1"= N/A

MP _____ TO MP _____

SHEET 8B OF 29

FILE: ECC-FBRBLD01008.AC.LIN

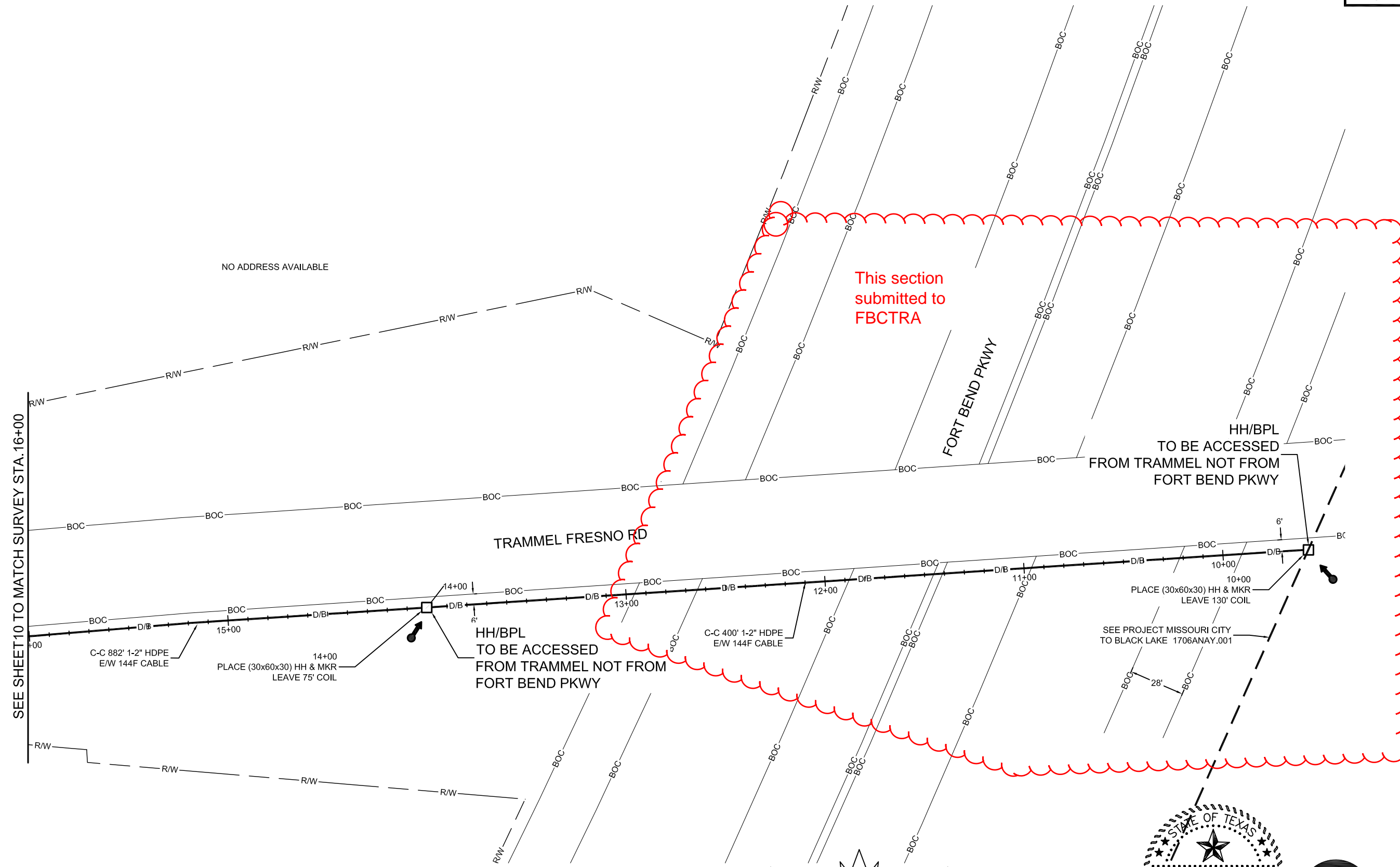
MISSOURI CITY, TX
FORT BEND COUNTY



PROJECT: 1706ANAY.014

MISSOURI CITY, TX
MISSOURI CITY TO TRAMMELS

CLARIFICATION NO.	QUANTITY
PLACE HANDHOLE	2
PROP. 1-2" HDPE	600'
PULL 1-144F CABLE	805'
PLACE MARKER	2



McImetro
ACCESS TRANSMISSION SERVICES CORPORATION

OUTSIDE PLANT CONSTRUCTION

TITLE: FIBER OPTIC ROUTE
MISSOURI CITY TO TRAMMELS
MISSOURI CITY, TX

DATE: 10/09/18

ENGINEER: L. STALCUP

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

REVISIONS

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1	10/9/18	FBCTRA REVS	TD

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SCALE

HORIZONTAL: 1" = 50'

VERTICAL: 1" = N/A

MP _____ TO MP _____

SHEET 09 OF 29

FILE: ECC-FBRBLD01009.AC.LIN

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.

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FIRM # F-8978



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48 HOURS NOTICE REQUIRED

MISSOURI CITY, TX
FORT BEND COUNTY

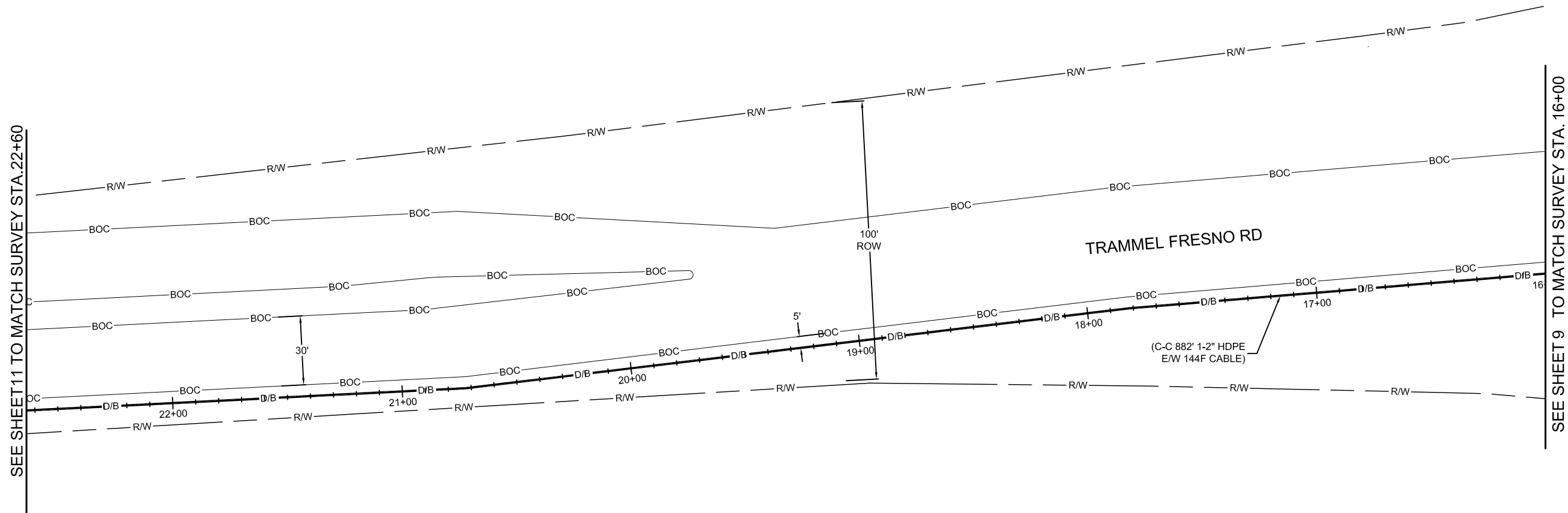


PROJECT: 1706ANAY.014

MISSOURI CITY, TX

MISSOURI CITY TO TRAMMELS

CLARIFICATION NO.	QUANTITY
PROP. 1-2" HDPE	660'
PULL 1-144F CABLE	660'



NO ADDRESS AVAILABLE

DATE: 10/09/18

ENGINEER: L. STALCUP

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

REVISIONS

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1	10/9/18	FBCTRA REVS	TD

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SCALE

HORIZONTAL: 1"= 50'

VERTICAL: 1"= N/A

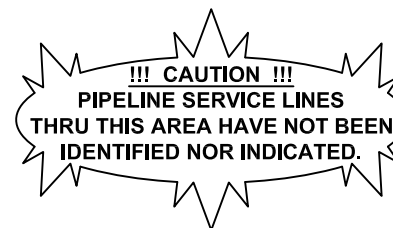
MP _____ TO MP _____

SHEET 10 OF 29

FILE: ECC-FBRBLD01010.AC.LIN

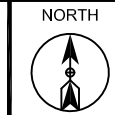
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MISSOURI CITY, TX
FORT BEND COUNTY



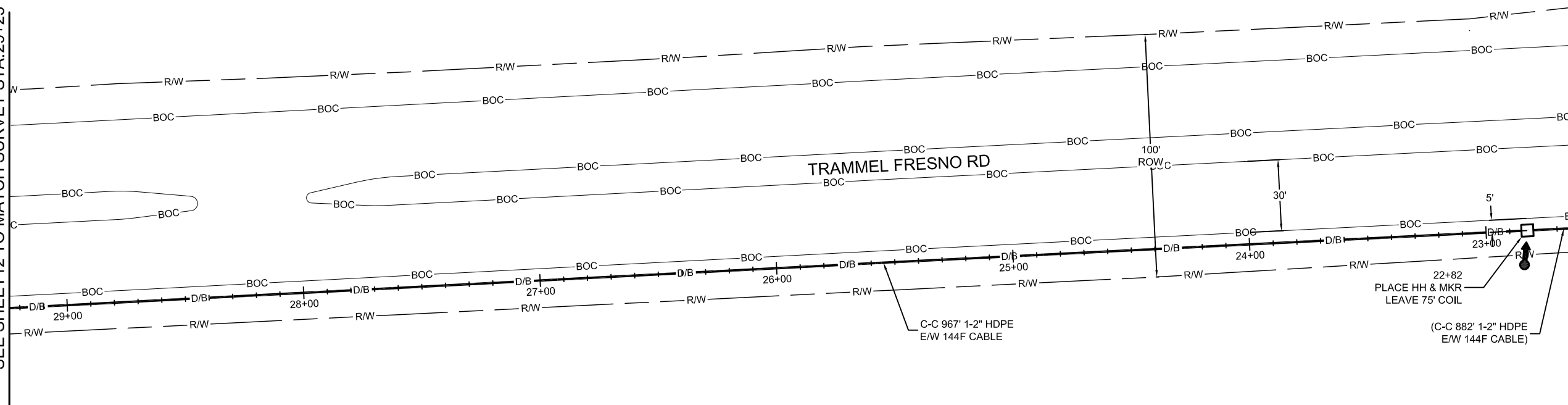
PROJECT: 1706ANAY.014

MISSOURI CITY, TX

MISSOURI CITY TO TRAMMELS

CLARIFICATION NO.	QUANTITY
PLACE HANDHOLE	1
PROP. 1-2" HDPE	665'
PULL 1-144F CABLE	740'
PLACE MARKER	1

SEE SHEET 12 TO MATCH SURVEY STA. 29+25



SEE SHEET 10 TO MATCH SURVEY STA. 22+60

NO ADDRESS AVAILABLE

MCImetro
ACCESS TRANSMISSION SERVICES
CORPORATION
OUTSIDE PLANT CONSTRUCTION
TITLE: FIBER OPTIC ROUTE
MISSOURI CITY TO TRAMMELS
MISSOURI CITY, TX

DATE: 10/09/18
ENGINEER: L. STALCUP
DRAWN BY: G.F.S. (JCV)

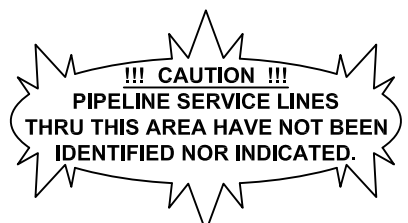
REVISIONS			
No.	DATE	DESCRIPTION	BY
1	10/9/18	FBCTRA REVS	TD

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SCALE
HORIZONTAL: 1"= 50'
VERTICAL: 1"= N/A
MP _____ TO MP _____
SHEET 11 OF 29
FILE: ECC-FBRBLD01011.AC.LIN

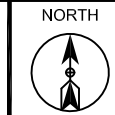
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MISSOURI CITY, TX
FORT BEND COUNTY



PROJECT: 1706ANAY.014

MISSOURI CITY, TX

MISSOURI CITY TO TRAMMELS

CLARIFICATION NO.	QUANTITY
PLACE HANDHOLE	1
PROP. 1-2" HDPE	660'
PULL 1-144F CABLE	735'
PLACE MARKER	1

MCImetro
ACCESS TRANSMISSION SERVICES
CORPORATION

OUTSIDE PLANT CONSTRUCTION

TITLE: FIBER OPTIC ROUTE
MISSOURI CITY TO TRAMMELS
MISSOURI CITY, TX

DATE: 10/09/18

ENGINEER: L. STALCUP

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

REVISIONS

No.	DATE	DESCRIPTION	BY
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SCALE

HORIZONTAL: 1"= 50'

VERTICAL: 1"= N/A

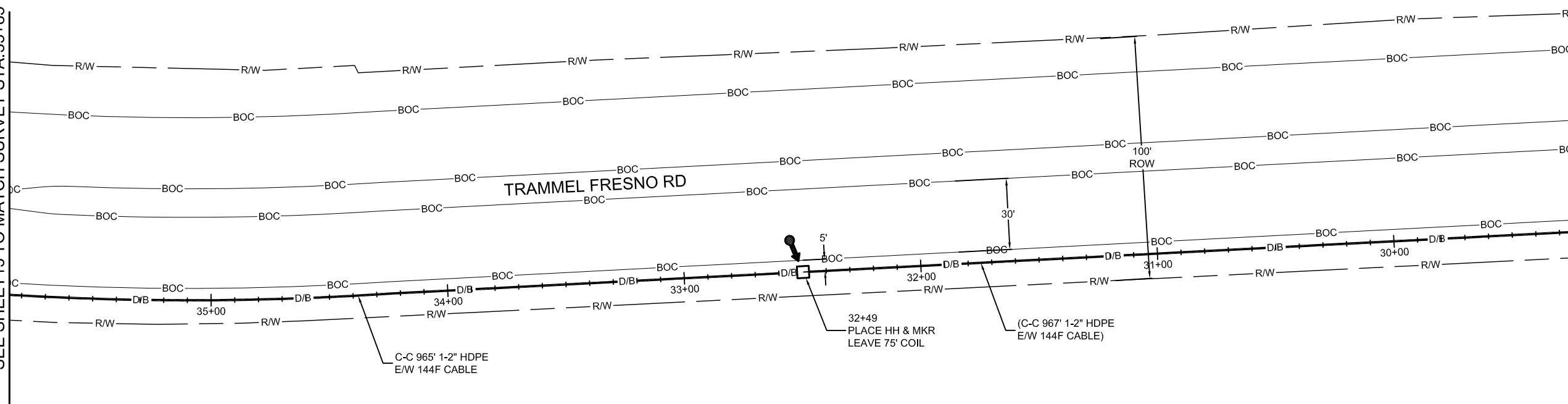
MP _____ TO MP _____

SHEET 12 OF 29

FILE: ECC-FBRBLD01012AC.LIN

SEE SHEET 13 TO MATCH SURVEY STA. 35+85

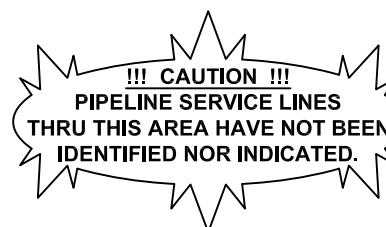
SEE SHEET 11 TO MATCH SURVEY STA. 29+25



NO ADDRESS AVAILABLE

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MISSOURI CITY, TX
FORT BEND COUNTY



PROJECT: 1706ANAY.014

MISSOURI CITY, TX

MISSOURI CITY TO TRAMMELS

CLARIFICATION NO.	QUANTITY
PLACE HANDHOLE	1
PROP. 1-2" HDPE	710'
PULL 1-144F CABLE	785'
PLACE MARKER	1

MCImetro
ACCESS TRANSMISSION SERVICES
CORPORATION

OUTSIDE PLANT CONSTRUCTION

TITLE: FIBER OPTIC ROUTE
MISSOURI CITY TO TRAMMELS
MISSOURI CITY, TX

DATE: 10/09/18

ENGINEER: L. STALCUP

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

REVISIONS

No.	DATE	DESCRIPTION	BY
1	10/9/18	FBCTRA REVS	TD

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SCALE

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VERTICAL: 1" = N/A

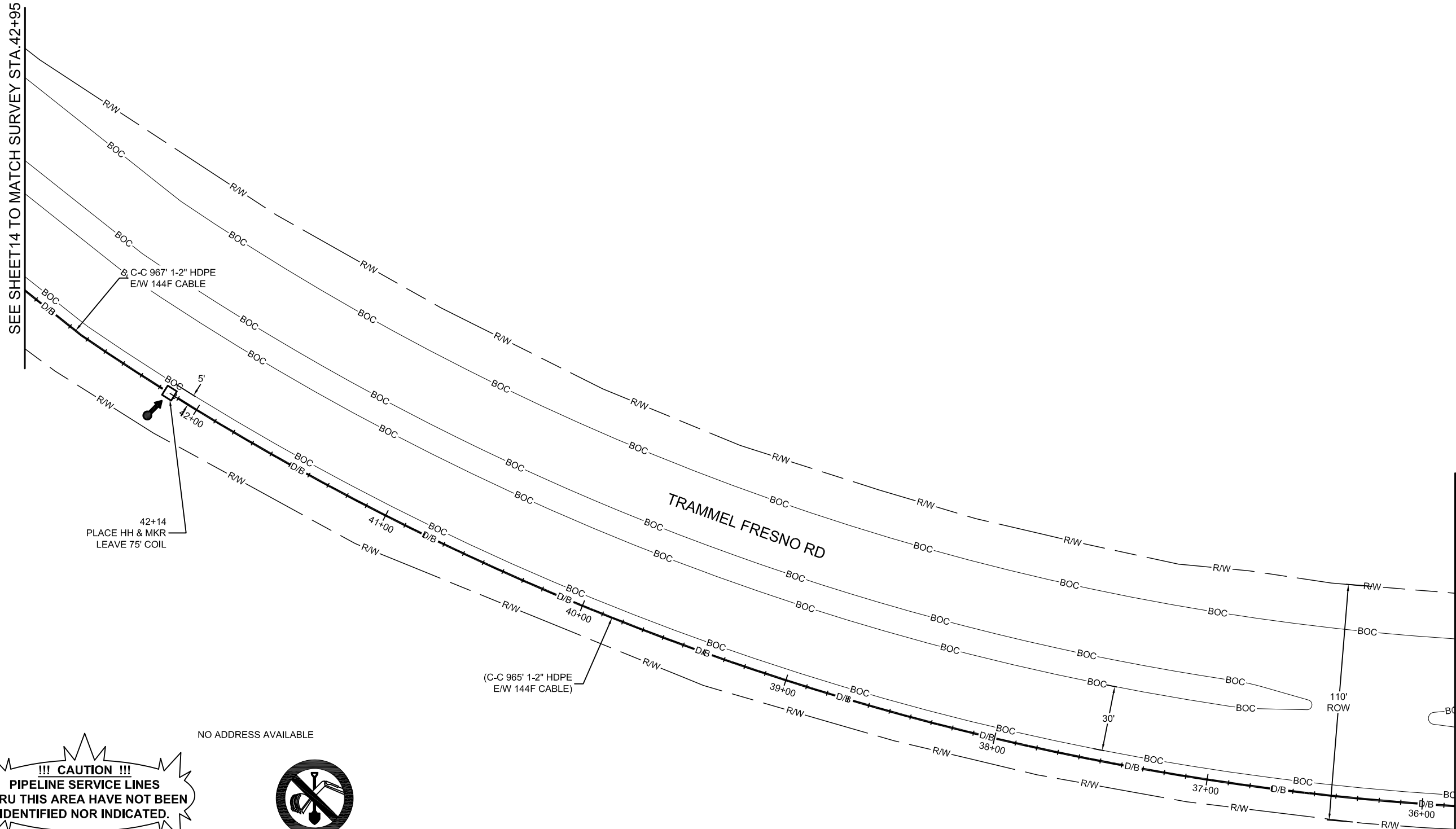
MP _____ TO MP _____

SHEET 13 OF 29

FILE: ECC-FBRBLD01013AC.LIN

SEE SHEET 14 TO MATCH SURVEY STA. 42+95

SEE SHEET 12 TO MATCH SURVEY STA. 35+85



NO ADDRESS AVAILABLE

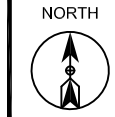


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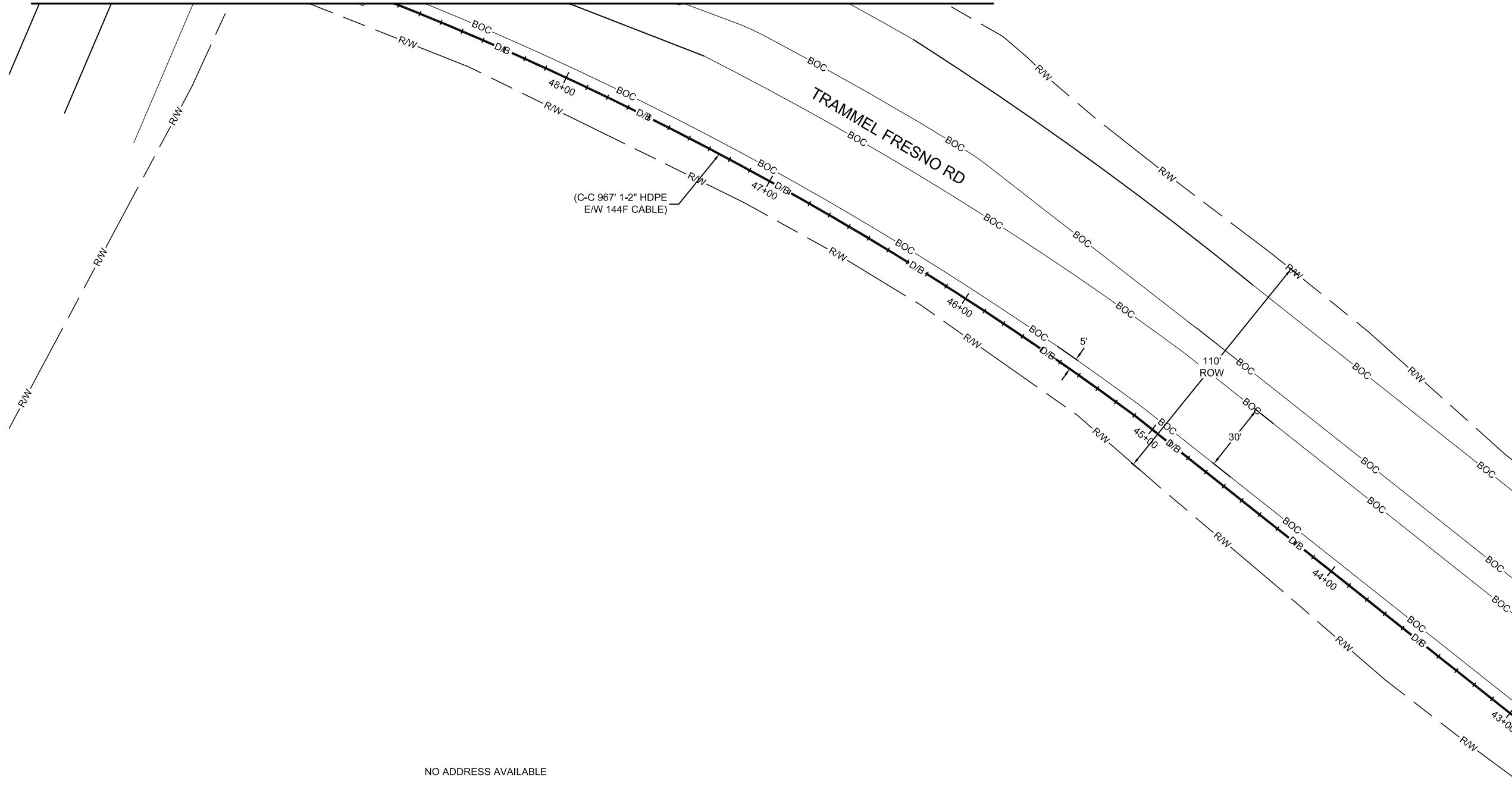
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MISSOURI CITY, TX
FORT BEND COUNTY



SEE SHEET 15 TO MATCH SURVEY STA. 48+80



SEE SHEET 13 TO MATCH SURVEY STA. 42+95

PROJECT: 1706ANAY.014

MISSOURI CITY, TX

MISSOURI CITY TO TRAMMELS

CLARIFICATION NO.	QUANTITY
PROP. 1-2" HDPE	585'
PULL 1-144F CABLE	585'

MCImetro
ACCESS TRANSMISSION SERVICES
CORPORATION

OUTSIDE PLANT CONSTRUCTION

TITLE: FIBER OPTIC ROUTE
MISSOURI CITY TO TRAMMELS
MISSOURI CITY, TX

DATE: 10/09/18

ENGINEER: L. STALCUP

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

REVISIONS

No.	DATE	DESCRIPTION	BY
1	10/9/18	FBCTRA REVS	TD

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SCALE

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VERTICAL: 1"= N/A

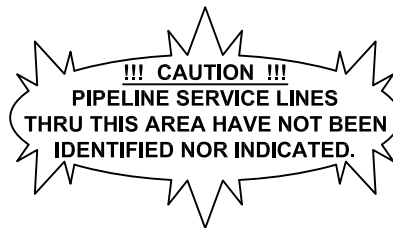
MP _____ TO MP _____

SHEET 14 OF 29

FILE: ECC-FBRBLD01014.AC.LIN

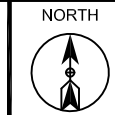
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MISSOURI CITY, TX
FORT BEND COUNTY



PROJECT: 1706ANAY.014

MISSOURI CITY, TX

MISSOURI CITY TO TRAMMELS

CLARIFICATION NO.	QUANTITY
PROP. 1-2" HDPE	685'
PULL 1-144F CABLE	685'

MCI metro
ACCESS TRANSMISSION SERVICES
CORPORATION
OUTSIDE PLANT CONSTRUCTION
TITLE: FIBER OPTIC ROUTE
MISSOURI CITY TO TRAMMELS
MISSOURI CITY, TX

DATE: 10/09/18

ENGINEER: L. STALCUP

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

REVISIONS

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SCALE

HORIZONTAL: 1"= 50'

VERTICAL: 1"= N/A

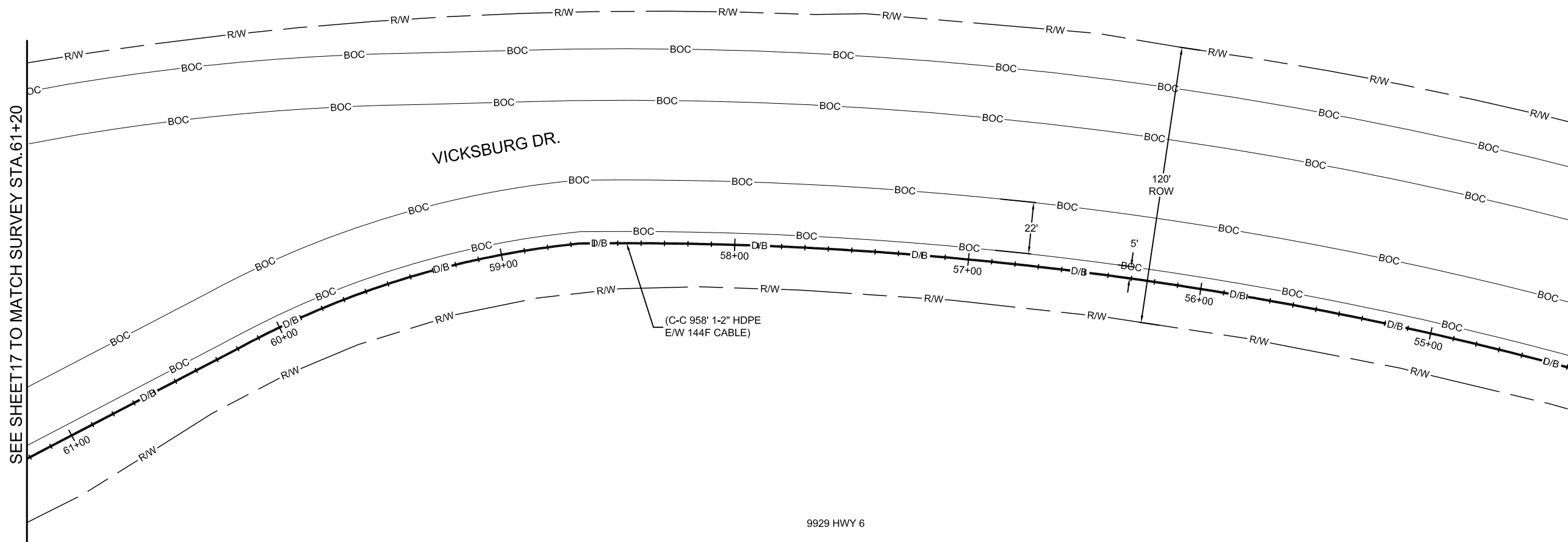
MP _____ TO MP _____

SHEET 16 OF 29

FILE: ECC-FBRBLD01016.AC.LIN

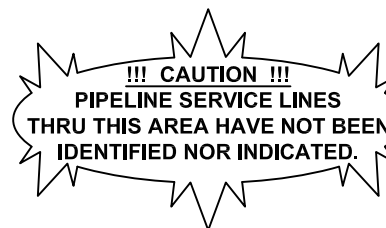
SEE SHEET 17 TO MATCH SURVEY STA. 61+20

SEE SHEET 15 TO MATCH SURVEY STA. 54+35



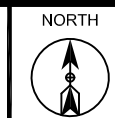
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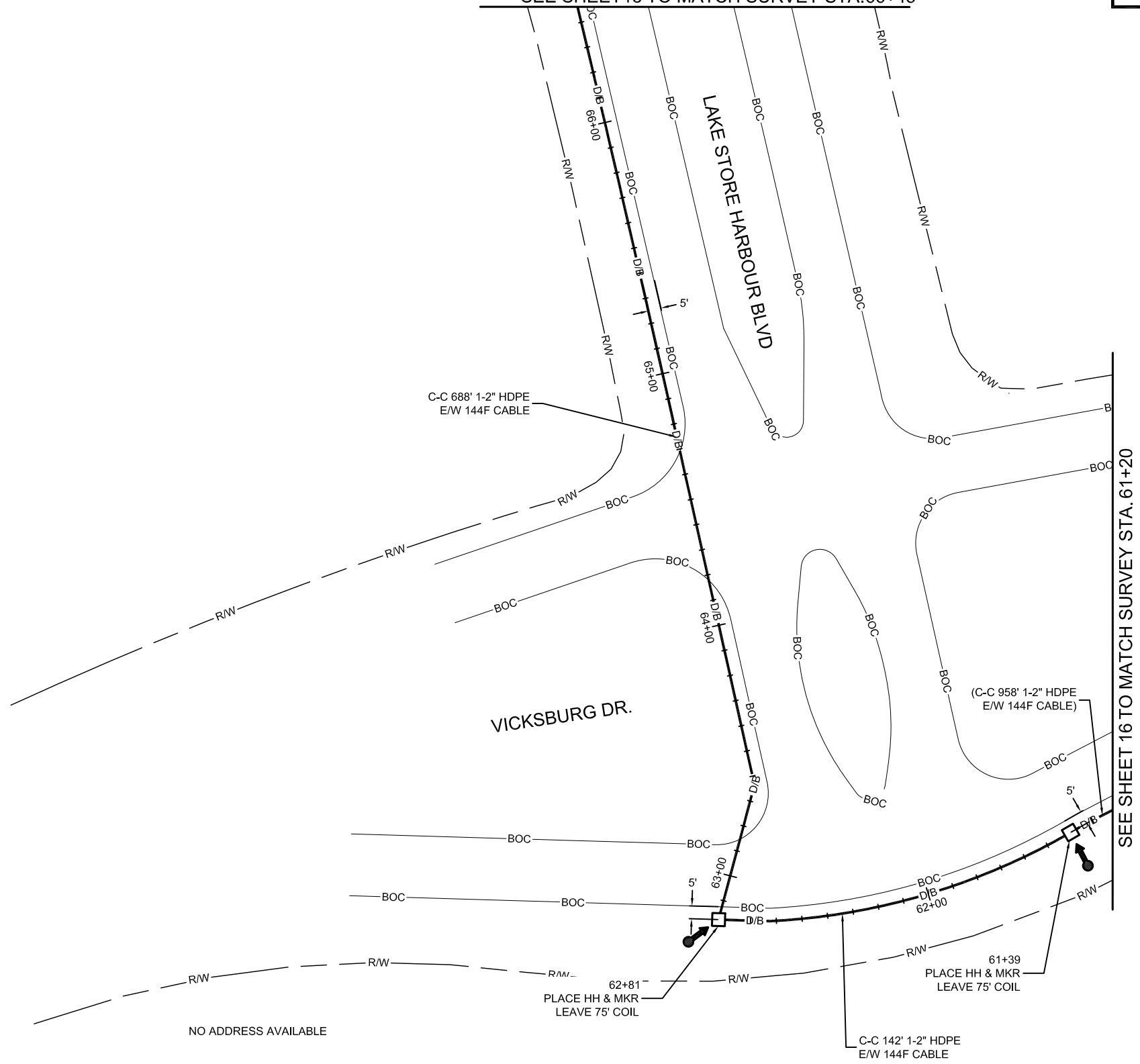


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MISSOURI CITY, TX
FORT BEND COUNTY



SEE SHEET 18 TO MATCH SURVEY STA. 66+45



SEE SHEET 16 TO MATCH SURVEY STA. 61+20

PROJECT: 1706ANAY.014
MISSOURI CITY, TX
MISSOURI CITY TO TRAMMELS

CLARIFICATION NO.	QUANTITY
PLACE HANDHOLE	2
PROP. 1-2" HDPE	525'
PULL 1-144F CABLE	675'
PLACE MARKER	2

MCImetro
ACCESS TRANSMISSION SERVICES CORPORATION
OUTSIDE PLANT CONSTRUCTION
TITLE: FIBER OPTIC ROUTE
MISSOURI CITY TO TRAMMELS
MISSOURI CITY, TX

DATE: 10/09/18
ENGINEER: L. STALCUP
DRAWN BY: G.F.S. (JCV)

REVISIONS			
No.	DATE	DESCRIPTION	BY
1	10/9/18	FBC TRA REVS	TD

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SCALE
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VERTICAL: 1"= N/A
MP _____ TO MP _____
SHEET 17 OF 29
FILE: ECC-FBRBLD01017.AC.LIN

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MISSOURI CITY, TX
FORT BEND COUNTY

SEE SHEET 19 TO MATCH SURVEY STA. 70+90

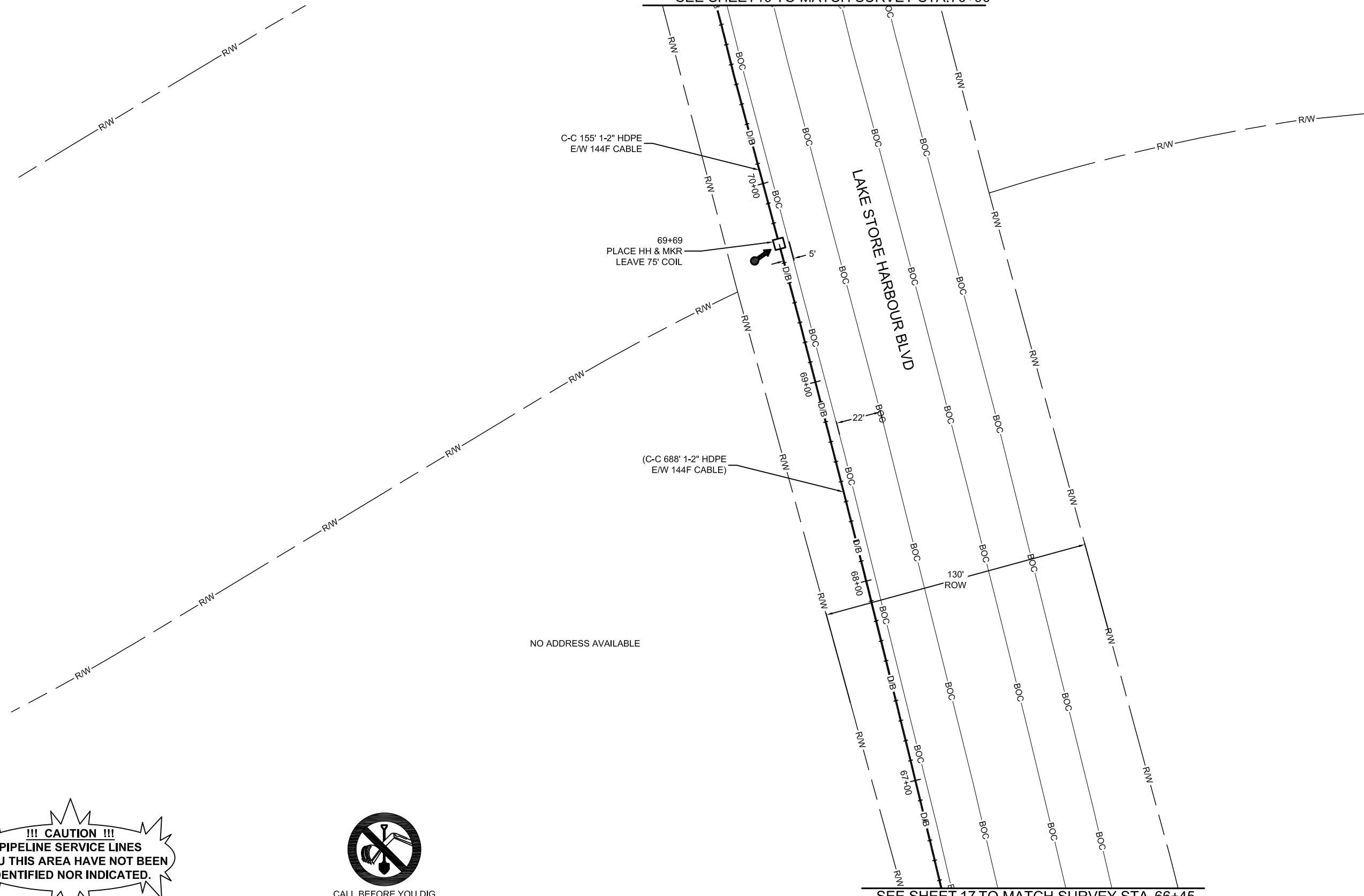


PROJECT: 1706ANAY.014

MISSOURI CITY, TX

MISSOURI CITY TO TRAMMELS

CLARIFICATION NO.	QUANTITY
PLACE HANDHOLE	1
PROP. 1-2" HDPE	445'
PULL 1-144F CABLE	520'
PLACE MARKER	1



SEE SHEET 17 TO MATCH SURVEY STA. 66+45

MCImetro
ACCESS TRANSMISSION SERVICES
CORPORATION

OUTSIDE PLANT CONSTRUCTION

TITLE: FIBER OPTIC ROUTE
MISSOURI CITY TO TRAMMELS
MISSOURI CITY, TX

DATE: 10/09/18

ENGINEER: L. STALCUP

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

REVISIONS

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SCALE

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VERTICAL: 1"= N/A

MP _____ TO MP _____

SHEET 18 OF 29

FILE: ECC-FBRBLD01018.AC.LIN

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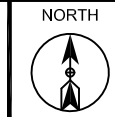


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MISSOURI CITY, TX
FORT BEND COUNTY



PROJECT: 1706ANAY.014

MISSOURI CITY, TX

MISSOURI CITY TO TRAMMELS

CLARIFICATION NO.	QUANTITY
PLACE HANDHOLE	2
PROP. 1-2" HDPE	530'
PULL 1-144F CABLE	680'
PLACE MARKER	2

MCImetro
ACCESS TRANSMISSION SERVICES
CORPORATION

OUTSIDE PLANT CONSTRUCTION

TITLE: FIBER OPTIC ROUTE
MISSOURI CITY TO TRAMMELS
MISSOURI CITY, TX

DATE: 10/09/18

ENGINEER: L. STALCUP

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

REVISIONS

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SCALE

HORIZONTAL: 1"= 50'

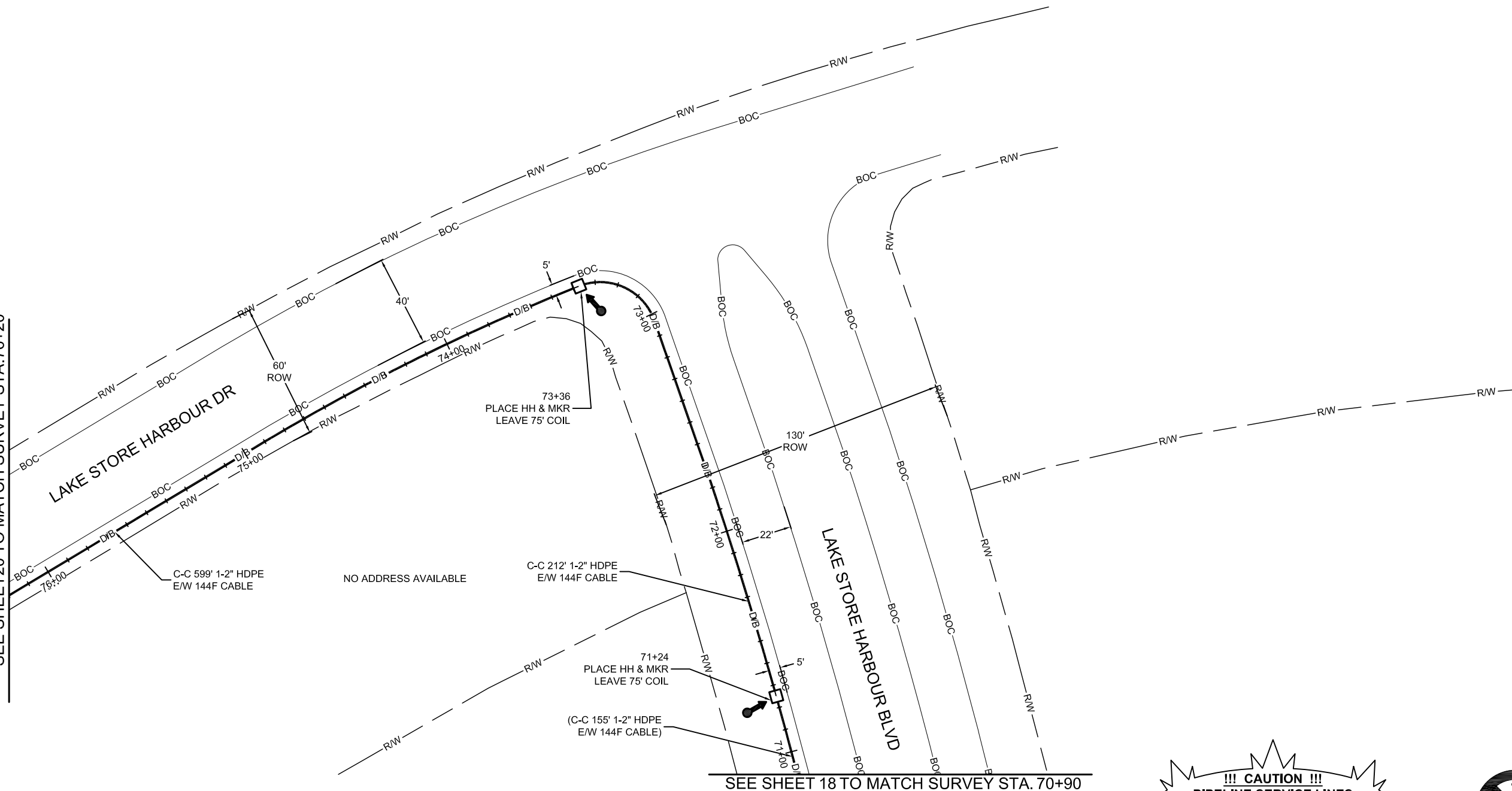
VERTICAL: 1"= N/A

MP _____ TO MP _____

SHEET 19 OF 29

FILE: ECC-FBRBLD01019.AC.LIN

SEE SHEET 20 TO MATCH SURVEY STA. 76+20



SEE SHEET 18 TO MATCH SURVEY STA. 70+90

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



CALL BEFORE YOU DIG
1-800-545-6005
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.

MISSOURI CITY, TX
FORT BEND COUNTY

SEE SHEET 21 TO MATCH SURVEY STA. 83+85



PROJECT: 1706ANAY.014

MISSOURI CITY, TX
MISSOURI CITY TO TRAMMELS

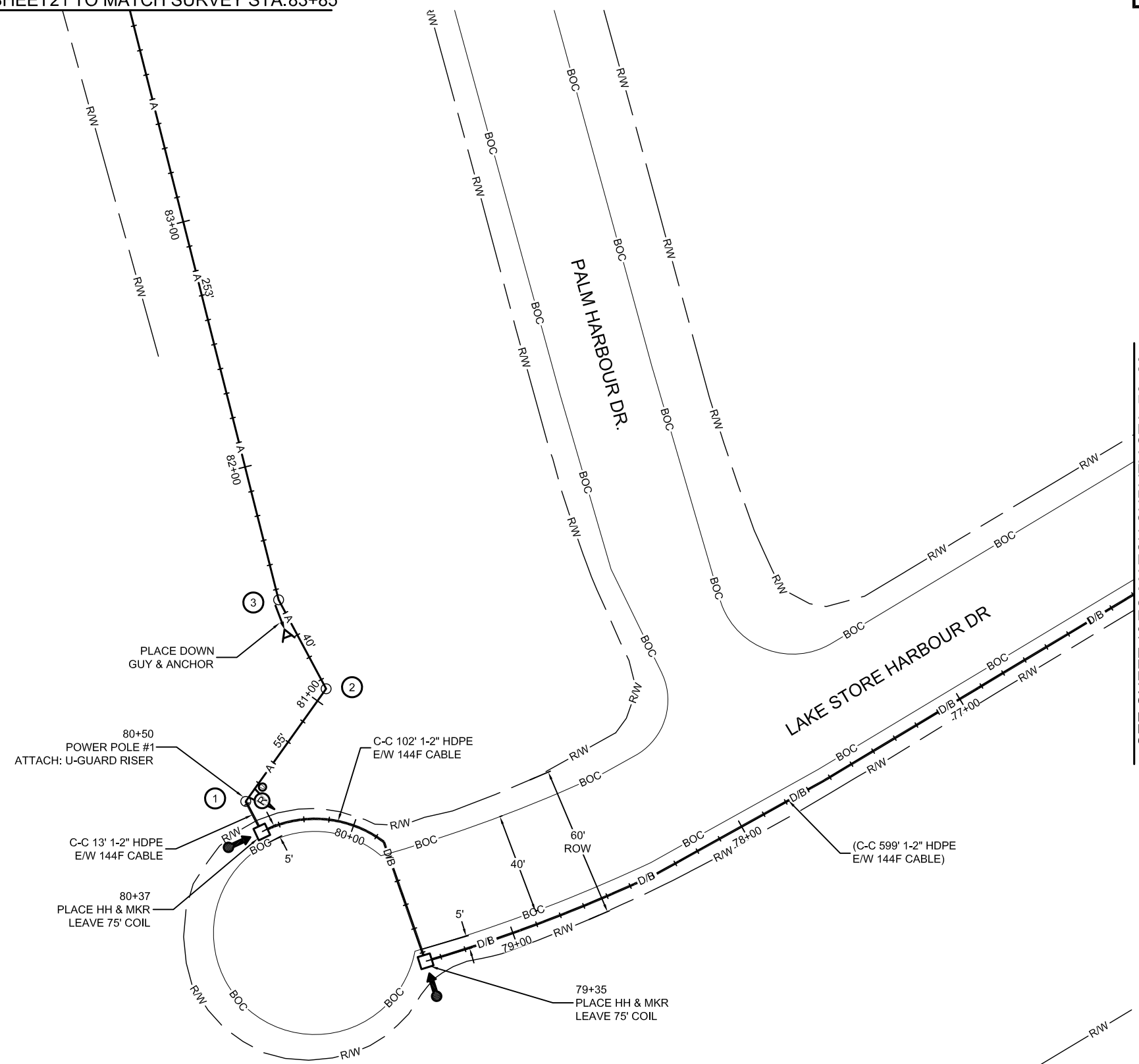
CLARIFICATION NO.	QUANTITY
PLACE HANDHOLE	2
PROP. 1-2" HDPE	430'
PULL 1-144F CABLE	605'
PLACE 6M STRAND	360'
LASH 1-144F CABLE	335'
DOWN GUY & ANCHOR	1
RISER: 2" U GUARD	1
PLACE MARKER	2

SEQ. POLE REF.# 3
(29.539442, -95.520915)
81+42
OWNED BY: NA
POLE # 0
Power Riser HT.: 21'0"
MCI HT: (17'0")

NO ADDRESS AVAILABLE

SEQ. POLE REF.# 2
(29.539343, -95.52087)
81+02
OWNED BY: NA
POLE # 0
Neutral HT.: 28'0"
MCI HT: 18'0" (18'0")

SEQ. POLE REF.# 1
(29.539223, -95.520966)
80+50
OWNED BY: NA
POLE # 0
Primary HT.: 32'0"
MCI HT: (17'0")



SEE SHEET 19 TO MATCH SURVEY STA. 76+20

MCI metro
ACCESS TRANSMISSION SERVICES CORPORATION
OUTSIDE PLANT CONSTRUCTION
TITLE: FIBER OPTIC ROUTE
MISSOURI CITY TO TRAMMELS
MISSOURI CITY, TX

DATE: 10/09/18

ENGINEER: L. STALCUP

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

REVISIONS

No.	DATE	DESCRIPTION	BY
1	10/9/18	FBCTRA REVS	TD

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.

SCALE

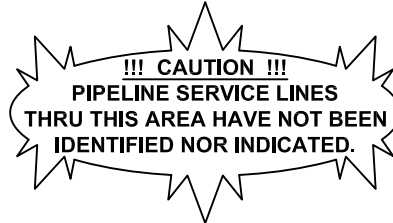
HORIZONTAL: 1"= 50'
VERTICAL: 1"= N/A

MP _____ TO MP _____
SHEET 20 OF 29

FILE: ECC-FBRBLD01020.AC.LIN

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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MISSOURI CITY, TX
FORT BEND COUNTY
SEE SHEET 22 TO MATCH SURVEY STA. 88+30



PROJECT: 1706ANAY.014
MISSOURI CITY, TX
MISSOURI CITY TO TRAMMELS

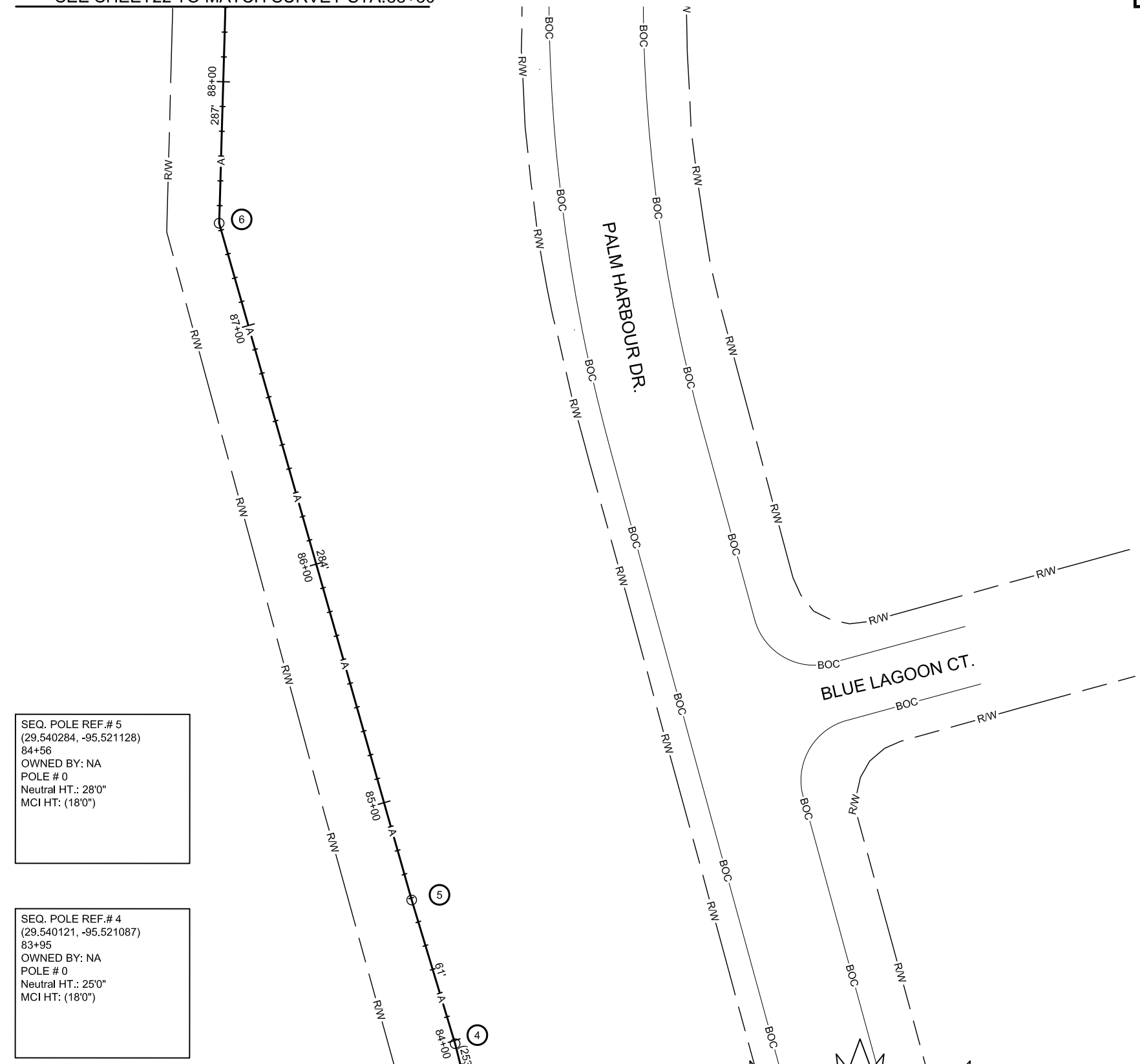
CLARIFICATION NO.	QUANTITY
PLACE 1-6M STRAND	445'
LASH 1-144F CABLE	445'

SEQ. POLE REF.# 6
(29.541119, -95.5213)
87+40
OWNED BY: NA
POLE # 0
Neutral HT.: 28'0"
MCI HT: (18'0")

NO ADDRESS AVAILABLE

SEQ. POLE REF.# 5
(29.540284, -95.521128)
84+56
OWNED BY: NA
POLE # 0
Neutral HT.: 28'0"
MCI HT: (18'0")

SEQ. POLE REF.# 4
(29.540121, -95.521087)
83+95
OWNED BY: NA
POLE # 0
Neutral HT.: 25'0"
MCI HT: (18'0")



SEE SHEET 20 TO MATCH SURVEY STA. 83+85

!!! CAUTION !!!
PIPELINE SERVICE LINES
THRU THIS AREA HAVE NOT BEEN
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MCI metro
ACCESS TRANSMISSION SERVICES
CORPORATION
OUTSIDE PLANT CONSTRUCTION
TITLE: FIBER OPTIC ROUTE
MISSOURI CITY TO TRAMMELS
MISSOURI CITY, TX

DATE: 10/09/18
ENGINEER: L. STALCUP
DRAWN BY: G.F.S. (JCV)

REVISIONS			
No.	DATE	DESCRIPTION	BY
1	10/9/18	FBCTRA REVS	TD

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SCALE
HORIZONTAL: 1"= 50'
VERTICAL: 1"= N/A
MP _____ TO MP _____
SHEET 21 OF 29
FILE: ECC-FBRBLD01021.AC.LIN

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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CALL BEFORE YOU DIG
1-800-545-6005
48 HOURS NOTICE REQUIRED

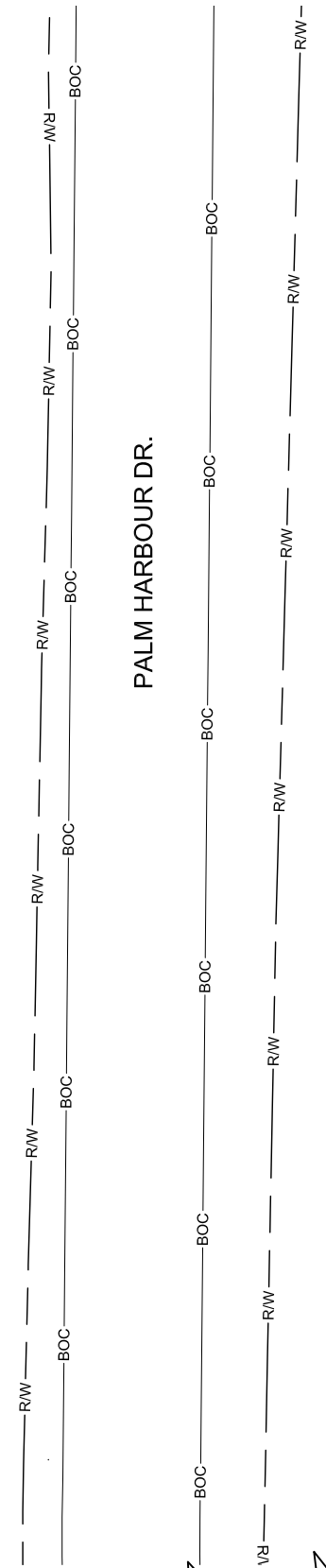
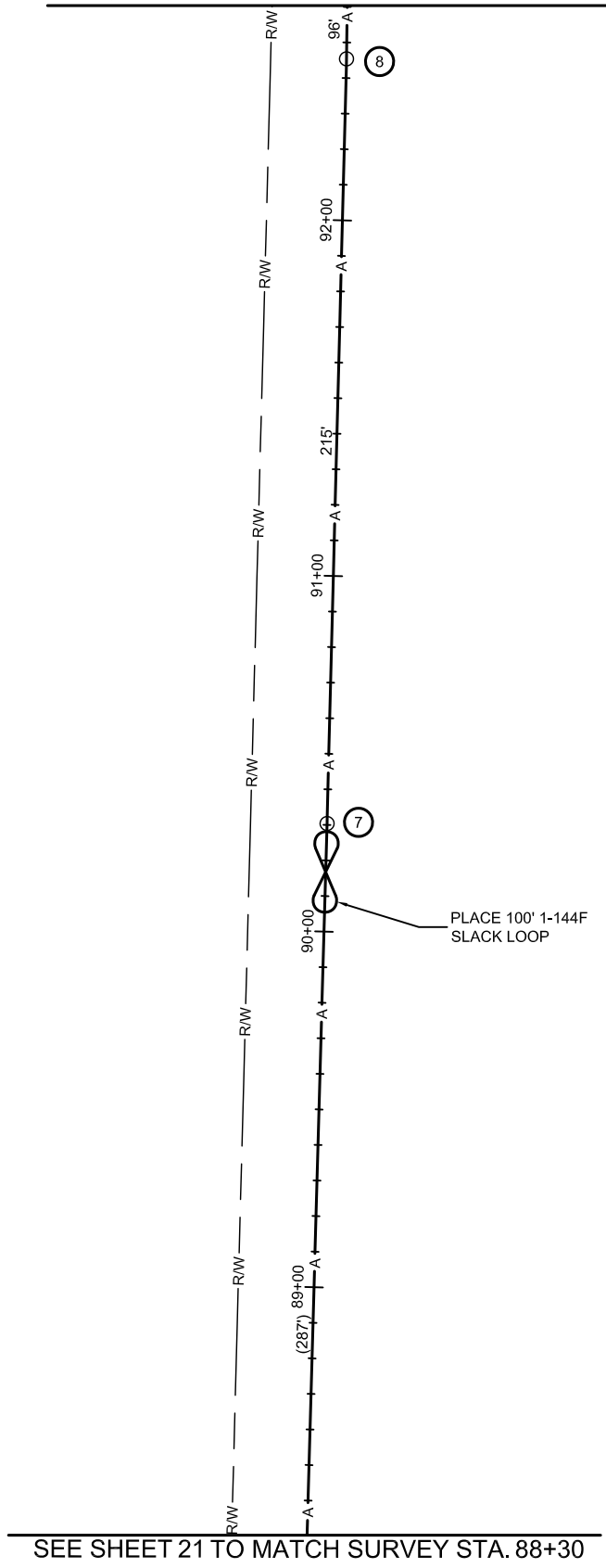
MISSOURI CITY, TX
FORT BEND COUNTY
SEE SHEET 23 TO MATCH SURVEY STA. 92+60



SEQ. POLE REF.# 8
(29.542417, -95.521267)
92+42
OWNED BY: NA
POLE # 0
Power Riser HT.: 21'0"
MCI HT: (17'0")

NO ADDRESS AVAILABLE

SEQ. POLE REF.# 7
(29.541826, -95.521305)
90+27
OWNED BY: NA
POLE # 0
Neutral HT.: 28'0"
MCI HT: (18'0")



PALM HARBOUR DR.

SEE SHEET 21 TO MATCH SURVEY STA. 88+30

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48 HOURS NOTICE REQUIRED

PROJECT: 1706ANAY.014
MISSOURI CITY, TX
MISSOURI CITY TO TRAMMELS

CLARIFICATION NO.	QUANTITY
PLACE 1-6M STRAND	430'
LASH 1-144F CABLE	530'

MCI metro
ACCESS TRANSMISSION SERVICES CORPORATION
OUTSIDE PLANT CONSTRUCTION
TITLE: FIBER OPTIC ROUTE
MISSOURI CITY TO TRAMMELS
MISSOURI CITY, TX

DATE: 10/09/18
ENGINEER: L. STALCUP
DRAWN BY: G.F.S. (JCV)

REVISIONS			
No.	DATE	DESCRIPTION	BY
1	10/9/18	FBCTRA REVS	TD

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SCALE
HORIZONTAL: 1"= 50'
VERTICAL: 1"= N/A
MP _____ TO MP _____
SHEET 22 OF 29
FILE: ECC-FBRBLD01022.AC.LIN

MISSOURI CITY, TX
FORT BEND COUNTY



PROJECT: 1706ANAY.014

MISSOURI CITY, TX

MISSOURI CITY TO TRAMMELS

CLARIFICATION NO.	QUANTITY
PLACE 1-6M STRAND	675'
LASH 1-144F CABLE	775'

MCI metro
ACCESS TRANSMISSION SERVICES CORPORATION
OUTSIDE PLANT CONSTRUCTION
TITLE: FIBER OPTIC ROUTE
MISSOURI CITY TO TRAMMELS
MISSOURI CITY, TX

DATE: 10/09/18

ENGINEER: L. STALCUP

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

REVISIONS

No.	DATE	DESCRIPTION	BY
1	10/9/18	FBC TRA REVS	TD

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SCALE

HORIZONTAL: 1"= 50'

VERTICAL: 1"= N/A

MP _____ TO MP _____

SHEET 25 OF 29

FILE: ECC-FBRBLD01025.AC.LIN

SEE SHEET 26 TO MATCH SURVEY STA. 110+35

SEQ. POLE REF.# 20
(29.545414, -95.52507)
109+62
OWNED BY: NA
POLE # 0
Primary HT.: 28'0"
MCI HT: (18'0")

SEQ. POLE REF.# 19
(29.545142, -95.524309)
107+48
OWNED BY: NA
POLE # 0
Primary HT.: 28'0"
MCI HT: (17'0")

SEQ. POLE REF.# 18
(29.545164, -95.52427)
106+93
OWNED BY: NA
POLE # 0
Primary HT.: 28'0"
MCI HT: (18'0")

SEQ. POLE REF.# 17
(29.545145, -95.52424)
106+45
OWNED BY: NA
POLE # 0
Power Riser HT.: 21'0"
MCI HT: (17'7")

SEQ. POLE REF.# 16
(29.544592, -95.52373)
104+21
OWNED BY: NA
POLE # 0
Power Riser Drip Loo HT.: 21'0"
MCI HT: (17'0")

SEQ. POLE REF.# 15
(29.544477, -95.52363)
103+68
OWNED BY: NA
POLE # 0
Power Riser Drip Loo HT.: 21'0"
MCI HT: (17'0")

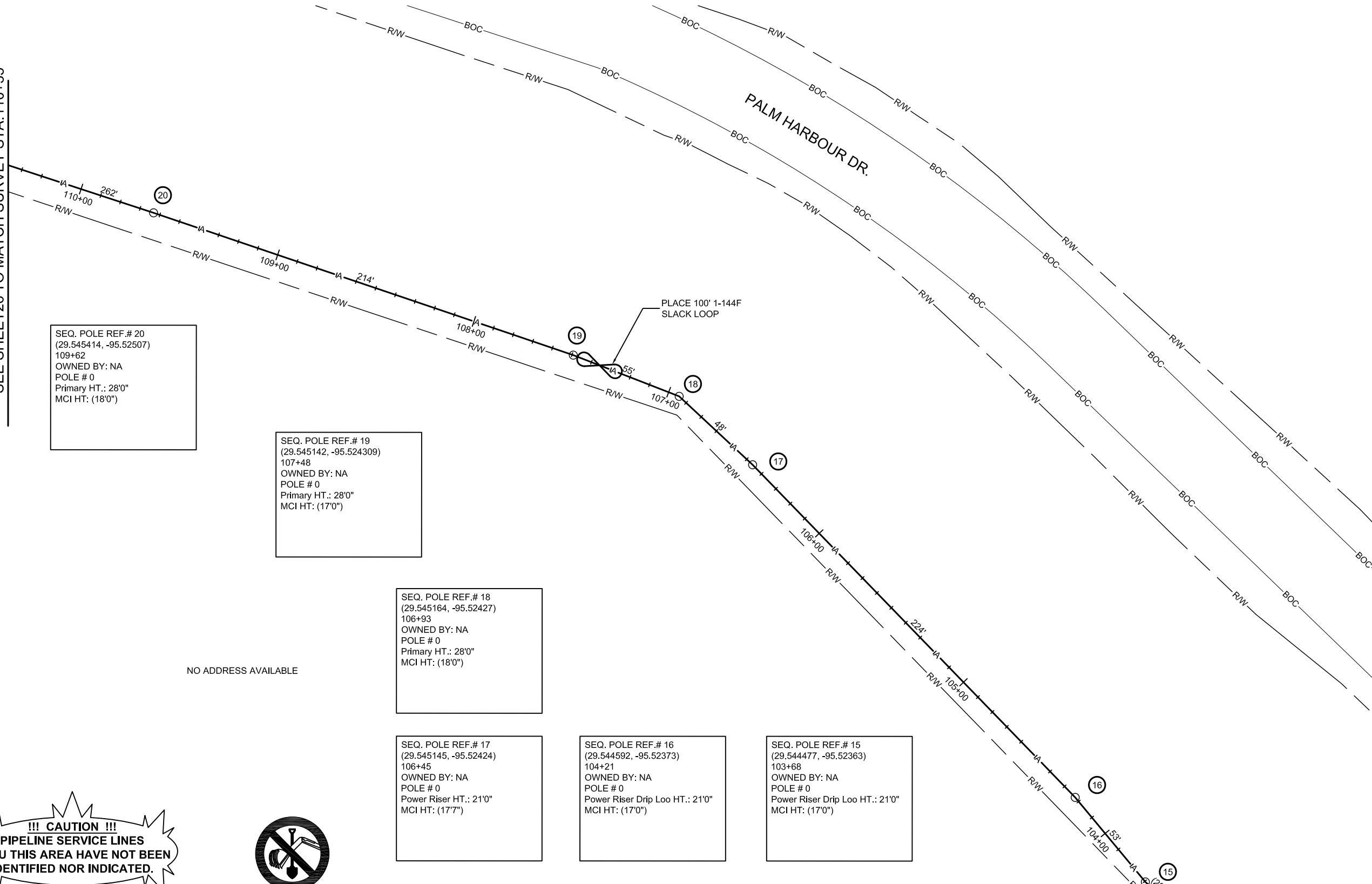
NO ADDRESS AVAILABLE



CALL BEFORE YOU DIG
1-800-545-6005
48 HOURS NOTICE REQUIRED

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SEE SHEET 24 TO MATCH SURVEY STA. 103+60

MISSOURI CITY, TX
FORT BEND COUNTY



SEE SHEET 27 TO MATCH SURVEY STA. 117+10

PROJECT: 1706ANAY.014

MISSOURI CITY, TX

MISSOURI CITY TO TRAMMELS

CLARIFICATION NO.	QUANTITY
PLACE 1-6M STRAND	675'
LASH 1-144F CABLE	775'

SEQ. POLE REF.# 24
(29.546303, -95.5268)
116+06
OWNED BY: NA
POLE # 0
Primary HT.: 28'0"
MCI HT: (18'0")

SEQ. POLE REF.# 23
(29.545797, -95.526132)
113+31
OWNED BY: NA
POLE # 0
Neutral HT.: 28'0"
MCI HT: (18'0")

SEQ. POLE REF.# 22
(29.545702, -95.526024)
112+77
OWNED BY: NA
POLE # 0
Neutral HT.: 28'0"
MCI HT: (18'0")

SEQ. POLE REF.# 21
(29.5457, -95.52593)
112+24
OWNED BY: NA
POLE # 0
Neutral HT.: 28'0"
MCI HT: (18'0")

PLACE 100' 1-144F
SLACK LOOP

PALM HARBOUR DR.

SEE SHEET 25 TO MATCH SURVEY STA. 110+35

MCI metro
ACCESS TRANSMISSION SERVICES
CORPORATION
OUTSIDE PLANT CONSTRUCTION
TITLE: FIBER OPTIC ROUTE
MISSOURI CITY TO TRAMMELS
MISSOURI CITY, TX

DATE: 10/09/18

ENGINEER: L. STALCUP

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

REVISIONS

No.	DATE	DESCRIPTION	BY
1	10/9/18	FBCTRA REVS	TD

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SCALE

HORIZONTAL: 1"= 50'

VERTICAL: 1"= N/A

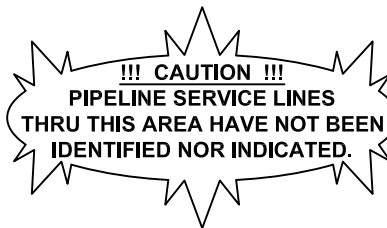
MP _____ TO MP _____

SHEET 26 OF 29

FILE: ECC-FBRBLD01026.AC.LIN

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.

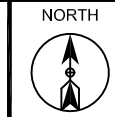
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CALL BEFORE YOU DIG
1-800-545-6005
48 HOURS NOTICE REQUIRED

MISSOURI CITY, TX
FORT BEND COUNTY

SEE SHEET 29 TO MATCH SURVEY STA. 125+05



PROJECT: 1706ANAY.014

MISSOURI CITY, TX
MISSOURI CITY TO TRAMMELS

CLARIFICATION NO.	QUANTITY
PLACE 1-6M STRAND	360'
LASH 1-144F CABLE	460'

MCI metro
ACCESS TRANSMISSION SERVICES CORPORATION
OUTSIDE PLANT CONSTRUCTION
TITLE: FIBER OPTIC ROUTE
MISSOURI CITY TO TRAMMELS
MISSOURI CITY, TX

DATE: 10/09/18

ENGINEER: L. STALCUP

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

REVISIONS

No.	DATE	DESCRIPTION	BY
1	10/9/18	FBCTRA REVS	TD

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SCALE

HORIZONTAL: 1"= 50'

VERTICAL: 1"= N/A

MP _____ TO MP _____

SHEET 28 OF 29

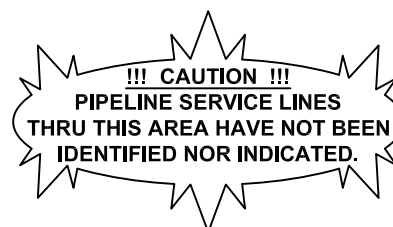
FILE: ECC-FBRBLD01028.AC.LIN

NO ADDRESS AVAILABLE

SEQ. POLE REF.# 27
(29.547596, -95.52825)
122+67
OWNED BY: NA
POLE # 0
Primary HT.: 28'0"
MCI HT: (18'0")

PLACE 100' 1-144F
SLACK LOOP

SEE SHEET 27 TO MATCH SURVEY STA. 121+45

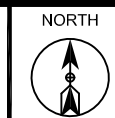


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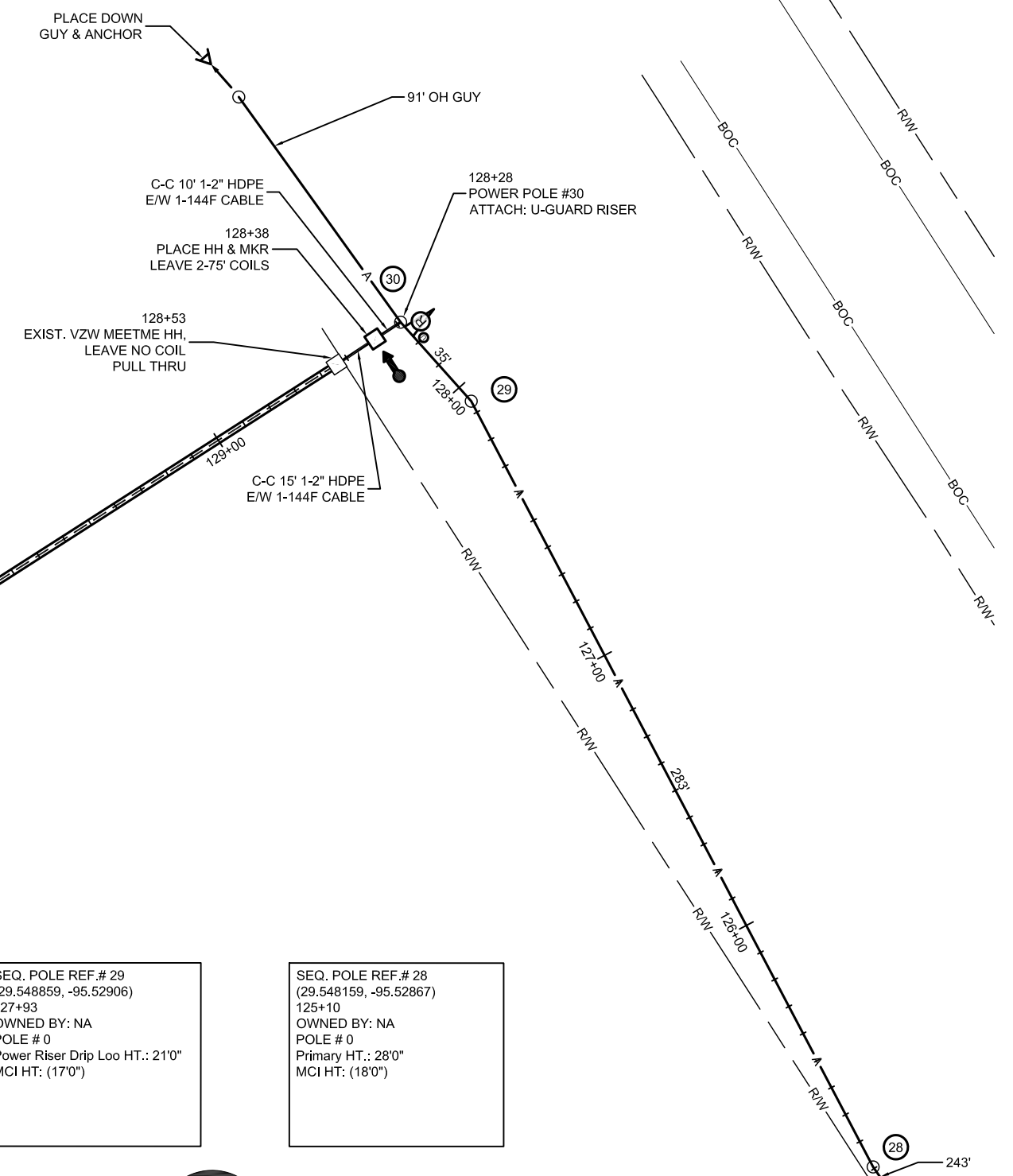
MISSOURI CITY, TX
FORT BEND COUNTY



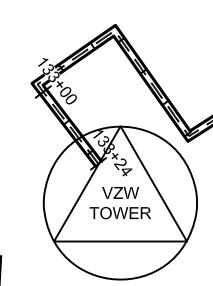
PROJECT: 1706ANAY.014
MISSOURI CITY, TX
MISSOURI CITY TO TRAMMELS

CLARIFICATION NO.	QUANTITY
PLACE HANDHOLE	1
PROP. 1-2" HDPE	25'
PULL 1-144F CABLE	1110'
PLACE 6M STRAND	539'
LASH 1-144F CABLE	423'
DOWN GUY & ANCHOR	1
RISER: 2" U GUARD	1
PLACE MARKER	1

SEQ. POLE REF.# 31
(29.549139, -95.52929)
129+19
OWNED BY: NA
POLE # 0
Primary HT.: 35'0"
MCI HT: (15'0")



EXIST. (860±') VZW CONDUIT.
TO SITE DISTRIBUTION CABINET
SEE TRAMMELS SITE #260671
PLAN SHEET A-1 FOR PULL THRU
EXISTING CONDUIT DETAILS
(COIL 50' CABLE AT SITE)



VZW SITE #260671
TRAMMELS
9555 HWY 6
MISSOURI CITY, TX 77459

SEQ. POLE REF.# 30
(29.548931, -95.52913)
128+28
OWNED BY: NA
POLE # 0
Transformer Drip Loo HT.: 14'0"
MCI HT: (10'8")

SEQ. POLE REF.# 29
(29.548859, -95.52906)
127+93
OWNED BY: NA
POLE # 0
Power Riser Drip Loo HT.: 21'0"
MCI HT: (17'0")

SEQ. POLE REF.# 28
(29.548159, -95.52867)
125+10
OWNED BY: NA
POLE # 0
Primary HT.: 28'0"
MCI HT: (18'0")

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SEE SHEET 28 TO MATCH SURVEY STA. 125+05

MCI metro
ACCESS TRANSMISSION SERVICES
CORPORATION
OUTSIDE PLANT CONSTRUCTION
TITLE: FIBER OPTIC ROUTE
MISSOURI CITY TO TRAMMELS
MISSOURI CITY, TX

DATE: 10/09/18
ENGINEER: L. STALCUP
DRAWN BY: G.F.S. (JCV)

REVISIONS			
No.	DATE	DESCRIPTION	BY
1	10/9/18	FBCTRA REVS	TD

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SCALE
HORIZONTAL: 1"= 50'
VERTICAL: 1"= N/A
MP _____ TO MP _____
SHEET 29 OF 29
FILE: ECC-FBRBLD01029.AC.LIN

Velasquez, Courtney

From: Gary Gehbauer <GGehbauer@bgeinc.com>
Sent: Wednesday, October 31, 2018 11:55 AM
To: Velasquez, Courtney
Subject: FW: Permit 2018-23448 Trammel Fresno
Attachments: Missouri City to Trammels FTBC Plans.pdf

Hi Courtney,

I'm not sure if I responded back either. I was out of the office most of last week, so I apologize for the lateness with this one too. It looks like they incorporated our comments. No objections.

Thanks,

Gary

Gary Gehbauer, PE
BGE
10777 Westheimer, Suite 400
Houston, Texas 77042
(281)558-8700 voice
(281)558-9706 fax
ggehbauer@bgeinc.com

From: Velasquez, Courtney <Courtney.Velasquez@fortbendcountytexas.gov>
Sent: Tuesday, October 23, 2018 1:52 PM
To: Gary Gehbauer <GGehbauer@bgeinc.com>
Cc: Peterson, Jillian <Jillian.Peterson@fortbendcountytexas.gov>; Eglinton, Sean <Sean.Eglinton@fortbendcountytexas.gov>
Subject: FW: Permit 2018-23448 Trammel Fresno

Gary I think I let this one fall through the cracks. I sent the revised plans on 10/10 but I still have it as pending. Did I miss your reply on this one?

To refresh you on 9/18 you sent a list of items they needed to add or change they are at the very end of this email chain.

Please let me know.

From: Velasquez, Courtney
Sent: Wednesday, October 10, 2018 1:32 PM
To: Gary Gehbauer <GGehbauer@bgeinc.com>
Cc: Peterson, Jillian <Jillian.Peterson@fortbendcountytexas.gov>; Eglinton, Sean <Sean.Eglinton@fortbendcountytexas.gov>; 'kcreekmore@goldenfieldservices.com' <kcreekmore@goldenfieldservices.com>; 'Angi Knisley' <aknisley@goldenfieldservices.com>
Subject: disregard the previous on FW: Permit 2018-23448 Trammel Fresno

Gary, these are for the same permit I sent you revised plans for earlier. However this set is from Keith and it has one more page than the other set of plans I believe it is the TCP on page (16).

So these are probably the final plans for review.

Please disregard the previous email. I sent you this morning

From: Keith Creekmore <kcreekmore@goldenfieldservices.com>
Sent: Wednesday, October 10, 2018 12:43 PM
To: Velasquez, Courtney <Courtney.Velasquez@fortbendcountytexas.gov>
Cc: 'brad.creekmore@yahoo.com' <brad.creekmore@yahoo.com>; 'Barry Phillips (barrygphillips@gmail.com)' <barrygphillips@gmail.com>
Subject: RE: Permit 2018-23448 Trammel Fresno

Courtney,

See attached MCI ECC Missouri City to Trammels FTBC revised plans. I was going to upload them in the system but they are still showing in review.

Thanks,
Keith

From: Velasquez, Courtney <Courtney.Velasquez@fortbendcountytexas.gov>
Sent: Friday, October 05, 2018 9:27 AM
To: Keith Creekmore <kcreekmore@goldenfieldservices.com>
Subject: RE: Permit 2018-23448 Trammel Fresno

Perfect I just wanted to make sure you were not waiting on me and that I had not let this fall through the cracks.

Thank you

From: Keith Creekmore <kcreekmore@goldenfieldservices.com>
Sent: Friday, October 05, 2018 9:21 AM
To: Velasquez, Courtney <Courtney.Velasquez@fortbendcountytexas.gov>; marcus.armijo@verizon.com; Warren Hardy (warren.hardy@ervincable.com) <warren.hardy@ervincable.com>
Cc: Ramirez, Jose <Jose.Ramirez@fortbendcountytexas.gov>; Peterson, Jillian <Jillian.Peterson@fortbendcountytexas.gov>; Eglinton, Sean <Sean.Eglinton@fortbendcountytexas.gov>; Dalton, Maggie <Maggie.Dalton@fortbendcountytexas.gov>; Gary Gehbauer <GGehbauer@bgeinc.com>; 'brad.creekmore@yahoo.com' <brad.creekmore@yahoo.com>; 'Barry Phillips (barrygphillips@gmail.com)' <barrygphillips@gmail.com>
Subject: RE: Permit 2018-23448 Trammel Fresno

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.

Courtney,

We are working on the revisions and will resubmit when completed.

Thanks,
Keith

From: Velasquez, Courtney <Courtney.Velasquez@fortbendcountytexas.gov>
Sent: Friday, October 05, 2018 9:12 AM
To: marcus.armijo@verizon.com; Keith Creekmore <kcreekmore@goldenfieldservices.com>; Warren Hardy (warren.hardy@ervincable.com) <warren.hardy@ervincable.com>
Cc: Ramirez, Jose <Jose.Ramirez@fortbendcountytexas.gov>; Peterson, Jillian <Jillian.Peterson@fortbendcountytexas.gov>; Eglinton, Sean <Sean.Eglinton@fortbendcountytexas.gov>; Dalton, Maggie <Maggie.Dalton@fortbendcountytexas.gov>; Gary

Gehbauer <GGehbauer@bgeinc.com>

Subject: RE: Permit 2018-23448 Trammel Fresno

Good morning,

I wanted to follow up on this permit. The last communication I have on it was the email I sent below on 9/18. The Parks department has replied that there will be no conflict so they have given their approval.

I wanted to make sure I had not missed a reply from you on this. Were you able to incorporate the comments below or do you have any questions.

Please let me know.

Thank you,

*Updated platting fees will go into effect **October 3rd, 2018**

*County Clerk plat recordation fees have changed and will go into effect **November 1st, 2018**

*The County Clerk's office will be **closed on Wednesday, October 24th**. Plats approved and recorded on October 23rd will be available for pickup on the 25th.

Courtney Velasquez

Clerk III

Fort Bend County Engineering

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

Email: Courtney.Velasquez@fortbendcountytexas.gov

Phone: 281-633-7516

From: Velasquez, Courtney

Sent: Tuesday, September 18, 2018 2:31 PM

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

Warren Hardy (warren.hardy@ervincable.com) <warren.hardy@ervincable.com>

Cc: Ramirez, Jose <Jose.Ramirez@fortbendcountytexas.gov>; Peterson, Jillian <Jillian.Peterson@fortbendcountytexas.gov>;

Eglinton, Sean <Sean.Eglinton@fortbendcountytexas.gov>; Dalton, Maggie <Maggie.Dalton@fortbendcountytexas.gov>; 'Gary

Gehbauer' <GGehbauer@bgeinc.com>

Subject: Permit 2018-23448 Trammel Fresno

Good Afternoon,

I have comments on the above referenced permit application from the FBTRA. Please see below in yellow. Once you have addressed these comments please let me know.

We have also sent this application to the Parks department for the north section that enters into Kitty Hollow Park. I am currently waiting on their response and will let you know as soon as I hear anything.

If the following comments are incorporated, I believe this one will be okay because it crosses the toll road (not parallel/longitudinal) and can be accessed from Trammel Fresno. I had sent some comments via the toll road authority but here are the ones that I sent that need to be incorporated into the work:

- We need Keith to submit traffic control plans and bore pit information.
- Will the handhole locations be the bore locations?
- Also, the handholes are too close to the back of curb. Prefer that the handholes be outside of the toll road ROW but at least 6 feet behind the curb.
- Access to the handholes will not be permitted from the ramps. Access must be from Trammel Fresno

- What is the plan for fiber on the east side handhole? Will they go south towards SH 6 and Knight Rd?
- Include the FBTRA notes (attached)

Thank you

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: Davis, Michel
Sent: Thursday, September 27, 2018 12:30 PM
To: Velasquez, Courtney
Cc: Dalton, Maggie; Peterson, Jillian; Eglinton, Sean; Ramirez, Jose
Subject: RE: Permit 2018-23448 Trammel Fresno into Kitty Hollow Park

This project will not have any direct issues with the ongoing Kitty Hollow Park activities.

Thanks

From: Velasquez, Courtney
Sent: Wednesday, September 26, 2018 9:36 AM
To: Davis, Michel <Michel.Davis@fortbendcountytexas.gov>
Cc: Dalton, Maggie <Maggie.Dalton@fortbendcountytexas.gov>; Peterson, Jillian <Jillian.Peterson@fortbendcountytexas.gov>; Eglinton, Sean <Sean.Eglinton@fortbendcountytexas.gov>; Ramirez, Jose <Jose.Ramirez@fortbendcountytexas.gov>
Subject: RE: Permit 2018-23448 Trammel Fresno into Kitty Hollow Park

Good Morning,

I wanted to follow up with you on this permit application we received on 9/18/18. If you will please review the attached site plan and let me know if it is ok for us to approve this permit. Because they want to go into Kitty Hollow Park we wanted to run it by you first.

Thank you,

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

From: Velasquez, Courtney
Sent: Tuesday, September 18, 2018 1:36 PM
To: Davis, Michel <Michel.Davis@fortbendcountytexas.gov>
Cc: Dalton, Maggie <Maggie.Dalton@fortbendcountytexas.gov>; Peterson, Jillian <Jillian.Peterson@fortbendcountytexas.gov>; Eglinton, Sean <Sean.Eglinton@fortbendcountytexas.gov>; Ramirez, Jose <Jose.Ramirez@fortbendcountytexas.gov>
Subject: Permit 2018-23448 Trammel Fresno into Kitty Hollow Park

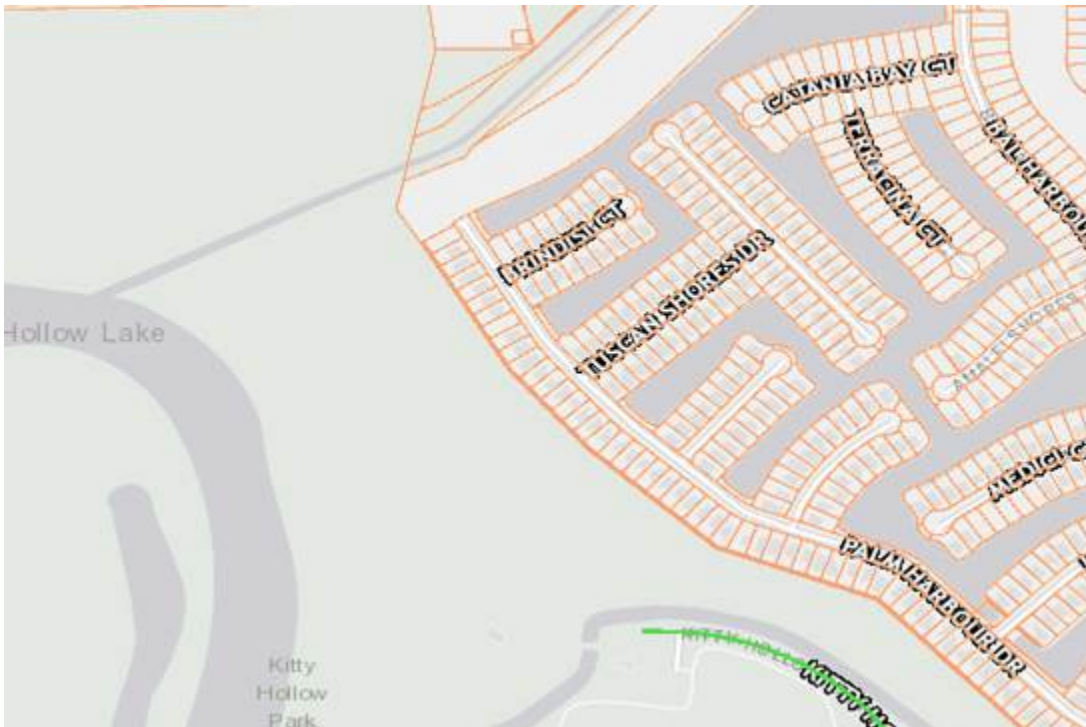
Hello,

I am reaching out to you in referenced to a permit application we have received here from MCI, they are proposing to following:

“Proposed buried and aerial fiber optic cable installation entering FTBC ROW on the Southwest corner of Fort Bend Pkwy and Trammel Fresno Rd. then continue West to the Southwest corner of Vicksburg Dr. and Lake Shore Village Dr then continue North”

It appear that part of their site plan has them going into Kitty Hollow Park at the north end near Brandisi Ct and Palm Harbour Dr. I have attached the site plan and a clip below for your reference. Before we put this permit request through I wanted to get an ok from your department.

Please advise.



Thank you,

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