

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

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

- ☒ Right of Way Permit  
☐ Commercial Driveway Permit

Permit No: 2017-16347

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: [REDACTED]      Amount: \$150,000.00
- ☐ 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.**

*Charles O. AM*

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

\_\_\_\_\_  
Date

MCI metro  
ACCESS TRANSMISSION SERVICES CORPORATION

OUTSIDE PLANT CONSTRUCTION  
FIBER OPTIC CABLE ROUTE

MCI ONE-FIBER  
MISSOURI CITY/SIENNA VILLAGE LATERAL  
MISSOURI CITY, TX

SITE NFID: 1706ANAY.013

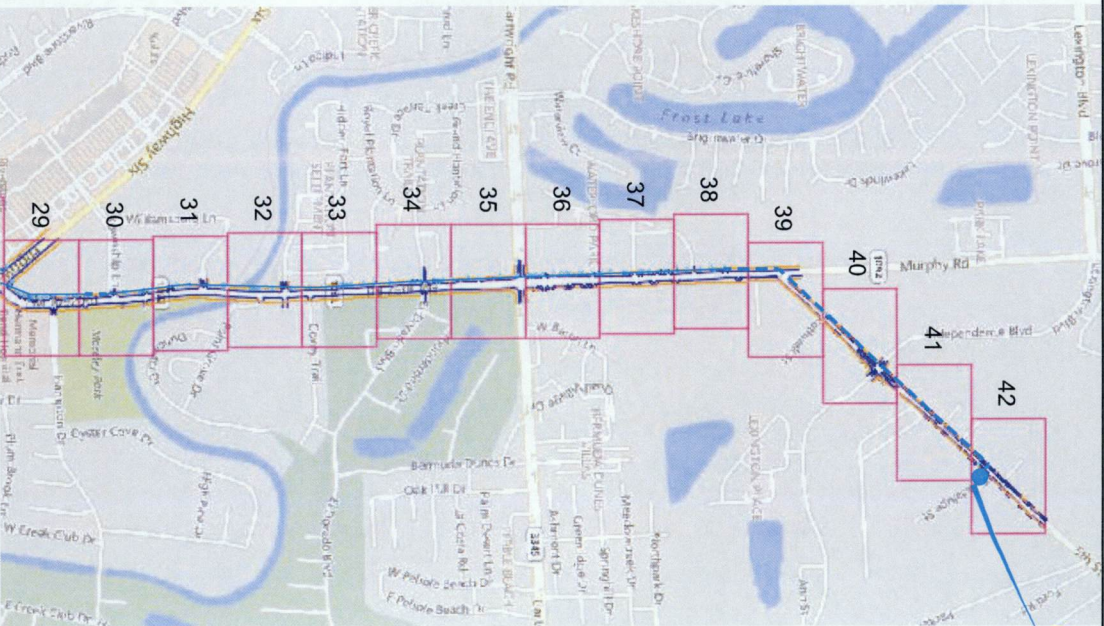
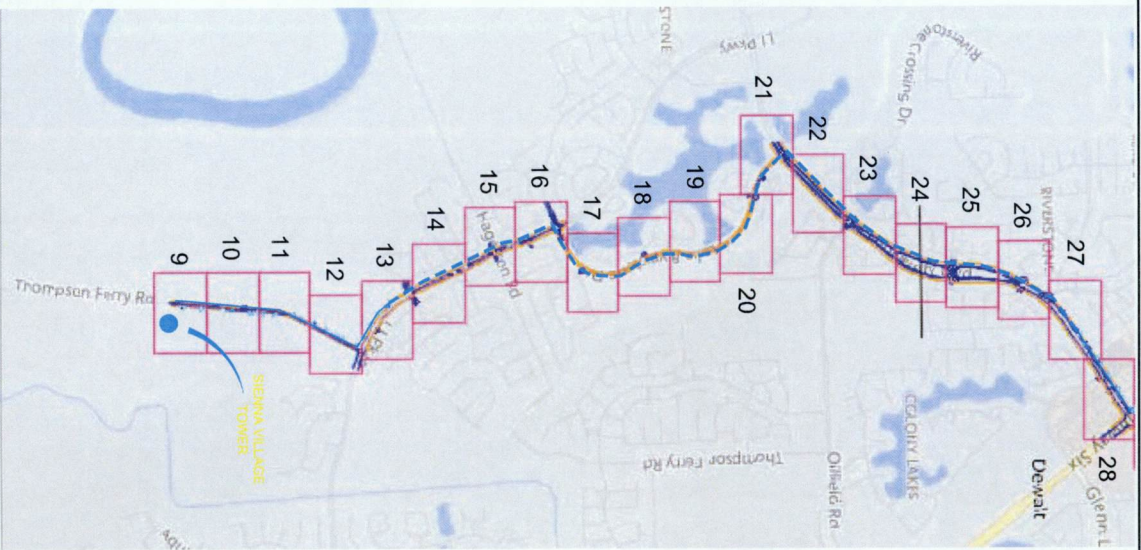
PROJECT STATUS: CONSTRUCTION



# LOCATION MAP MISSOURI CITY, TX FORT BEND COUNTY



**verizonbusiness**  
PROJECT  
MISSOURI CITY, TX  
SIENNA VILLAGE/MISSOURI CITY LATERAL  
NED: T904444.013



## MAP LINE LEGEND

- PROPOSED BURIED CABLE
- PROPOSED AERIAL CABLE

|                                                                                       |                     |
|---------------------------------------------------------------------------------------|---------------------|
| MCI metro<br>ACCESS TRANSMISSION SERVICES<br>CORPORATION                              |                     |
| OUTSIDE PLANT CONSTRUCTION                                                            |                     |
| TITLE: FIBER OPTIC ROUTE<br>SIENNA VILLAGE/MISSOURI CITY LATERAL<br>MISSOURI CITY, TX |                     |
| DATE: 08-25-2017                                                                      | ENGINEER: EAGLE EYE |
| DRAWN BY: ROBERT SANTOS                                                               | REVISIONS           |
| NO. DATE DESCRIPTION BY                                                               |                     |
| 1 8/25/17 1ST REVISION                                                                |                     |
| SCALE                                                                                 |                     |
| HORIZONTAL: 1"= N/A                                                                   | VERTICAL: 1"= N/A   |
| MP TO MP                                                                              |                     |
| SHEET 02 OF 42                                                                        |                     |
| FILE: SIENNA VILLAGE.DWG                                                              |                     |

CONTACT SHEET  
MISSOURI CITY, TX  
FORT BEND COUNTY

MCI

PROJECT ENGINEER:  
PROJECT MANAGER:  
PROJECT COORDINATOR:

OUTSIDE PLANT CONSTRUCTION:

CONSTRUCTION CONTRACTOR: ERVIN CABLE CONSTRUCTION 844-322-5534  
CONSTRUCTION MANAGER: AURELIO WALLAMANCE 270-346-0337  
PROJECT COORDINATOR:

AGENT:  
MANAGER:

COORDINATOR:  
MANAGER:

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

ENGINEERING CONTRACTOR

OFFICE:  
PRESIDENT:  
OFFICE:  
CELL:  
E-MAIL:

PROJECT MANAGER:  
OFFICE:  
CELL:  
E-MAIL:

NAME OF FIRM:  
PROJECT COORDINATOR:  
PROJECT SUPERINTENDENT:

RAILROADS

UNION PACIFIC RAILROAD  
DANIEL PETERS 402-544-8620

UTILITIES

MCI UTILITY LOCATE  
TEXAS ONE CALL SYSTEM (UTILITY LOCATES)  
1-800-624-9675  
1-800-545-6005

NON MEMBERS:

CITY GOVERNMENT

CITY OF HOUSTON  
- SANITARY SEWER  
- TRAFFIC  
- ROAD & BRIDGE  
- STORM QUALITY  
- WATER  
MIKE NOWROOZI 832-394-9123  
SAH HABIBI 832-394-9124  
NABILA HANAFI 832-394-9125  
RICK KOVACH 832-394-9132  
ZIA MOHAMMADI 832-394-9134  
ROBERTO GOMEZ 832-394-9180  
BILL CROUCH 832-394-9181

COUNTY GOVERNMENT

HARRIS COUNTY

STATE GOVERNMENT

TXDOT  
SAMIR GOEL 713-802-5921

FEDERAL GOVERNMENT

N/A

OTHER

N/A



PROJECT: MISSOURI CITY, TX  
SIENNA VILLAGE/MISSOURI CITY LATERAL  
REF: 1706AA.V013

MCI metro  
ACCESS TRANSMISSION SERVICES  
CORPORATION  
OUTSIDE PLANT CONSTRUCTION  
TITLE: FIBER OPTIC ROUTE  
SIENNA VILLAGE/MISSOURI CITY LATERAL  
MISSOURI CITY, TX

|                          |         |
|--------------------------|---------|
| DATE: 08-25-2017         |         |
| ENGINEER: EAGLE EYE      |         |
| DRAWN BY: ROBERT SANTOS  |         |
| REVISIONS                |         |
| NO.                      | DATE    |
| 1                        | 8/25/17 |
| DESCRIPTION              |         |
| 1ST REVISION             |         |
| BY                       |         |
| SCALE                    |         |
| HORIZONTAL: 1"= 1/4"     |         |
| VERTICAL: 1"= 1/4"       |         |
| MP TO MP                 |         |
| SHEET 03 OF 42           |         |
| FILE: SIENNA VILLAGE.DWG |         |

# GENERAL NOTES / CLARIFICATION NOTES

## GENERAL NOTES

1. VERIZON BUSINESS COMPRISES THE FOLLOWING OPERATING ENTITIES:
  - MCI COMMUNICATIONS SERVICES, INC.
  - MCI METRO ACCESS TRANSMISSION SERVICES CORPORATION
  - 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. 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. 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 GSPBSP), OR AS SPECIFIED.
11. UNDERGROUND CONDUIT WILL BE PLACED AT 48" MINIMUM COVER UNLESS OTHERWISE SPECIFIED ON THE CONSTRUCTION DRAWINGS.

## CLARIFICATION NOTES

|    |                                                                                                                                       |
|----|---------------------------------------------------------------------------------------------------------------------------------------|
| 1. | STATION                                                                                                                               |
| 2. | LOCATION                                                                                                                              |
| 3. | CLARIFICATION NO. AND MINIMUM COVER                                                                                                   |
| 4. | QUANTITY LINEAR FOOTAGE/SQUARE FOOTAGE, SIZE OF MANHOLE/HANDHOLE SIZE OF PULL/SPICE BOX, DIMENSION OF WALL, HEIGHT/CLASS/TYPE OF POLE |
| 5. | TYPICAL DRAWING NO. AND TYPICAL DETAIL DRAWING NUMBER                                                                                 |
| 6. | PLANT ACCOUNTING CODE                                                                                                                 |
| 7. | SPECIFIED CONDUIT, HANDHOLE/MANHOLE NO., SPECIFIED PURPOSE AND MATERIAL, BRIDGE NO. AND RAILROAD STATION, MATERIAL, POLE NO.          |

## ADDENDUM NOTES: HARRIS COUNTY - 48 HOUR NOTICE

1. CONTRACTOR SHALL NOTIFY HARRIS COUNTY (48 HOURS) PRIOR TO COMMENCING CONSTRUCTION AND/OR BACKFILLING ANY UTILITIES.
2. CONTRACTOR(S) ARE TO CONTACT HARRIS COUNTY "PUBLIC REVIEW DEPARTMENT" BY PHONE OR EMAIL - [public.review@cityofharris.org](mailto:public.review@cityofharris.org)

## CLARIFICATION NOTES (CONTINUED)

|     |     |                                            |
|-----|-----|--------------------------------------------|
| 100 | 110 | JACK AND DRY BORE CONDUIT(S)               |
| 200 | 210 | PLACE CONDUIT                              |
| 212 | 212 | PLACE HIGH DENSITY POLYETHYLENE (HDPE)     |
| 213 | 213 | REMOVE EXISTING ADDER                      |
| 214 | 214 | SLURRY BACKFILL ADDER                      |
| 215 | 215 | EXPOSE CONDUIT                             |
| 216 | 216 | EXPOSE CONDUIT AND RELOCATE                |
| 217 | 217 | EXPOSE CONDUIT AND REPLACE/SUBSTITUTE      |
| 218 | 218 | EXPOSE AND REMOVE CONDUIT (ABANDONED)      |
| 219 | 219 | EXPOSE AND REMOVE CONDUIT (ABANDONED)      |
| 220 | 220 | CONCRETE ENCASE                            |
| 221 | 221 | REMOVE CONCRETE ENCASEMENT                 |
| 222 | 222 | REMOVE CONCRETE CAP                        |
| 240 | 240 | PLACE HANDHOLE                             |
| 244 | 244 | RELOCATE EXISTING HANDHOLE                 |
| 245 | 245 | RELOCATE EXISTING HANDHOLE                 |
| 246 | 246 | RELOCATE EXISTING HANDHOLE                 |
| 247 | 247 | EXCAVATE SPICE PIT                         |
| 250 | 250 | PLACE MANHOLE                              |
| 252 | 252 | RELOCATE EXISTING MANHOLE                  |
| 255 | 255 | RELOCATE PRECAST MANHOLE                   |
| 256 | 256 | RELOCATE PRECAST MANHOLE                   |
| 180 | 180 | CONSTRUCT WALL                             |
| 270 | 270 | REMOVE AND RESTORE ASPHALT                 |
| 280 | 280 | REMOVE AND RESTORE CONCRETE                |
| 281 | 281 | REMOVE AND RESTORE SIDEWALK                |
| 282 | 282 | REMOVE AND RESTORE CURBING                 |
| 300 | 310 | ATTACH CONDUIT TO WALL OR STRUCTURE        |
| 315 | 315 | DETACH CONDUIT FROM WALL OR STRUCTURE      |
| 320 | 320 | CORE BORE                                  |
| 330 | 330 | ATTACH PULL/SPICE BOX TO WALL OR STRUCTURE |
| 400 | 410 | PULL CABLE                                 |
| 411 | 411 | PULL THROUGH DUCT (INNERDUCT)              |
| 415 | 415 | REMOVE CABLE FROM CONDUIT                  |
| 420 | 420 | REPOSITION ACTIVE CABLE SLACK              |
| 500 | 510 | DIRECT BURY CABLE                          |
| 516 | 516 | EXPOSE DIRECT BURIED CABLE                 |
| 517 | 517 | EXPOSE DIRECT BURIED CABLE AND RELOCATE    |
| 520 | 520 | REMOVE AND DISPOSE OF CABLE                |
| 525 | 525 | PLACE AERIAL CABLE                         |
| 527 | 527 | RELOCATE AERIAL CABLE                      |
| 518 | 518 | RELASH AERIAL CABLE                        |
| 527 | 527 | RELASH AERIAL CABLE                        |
| 528 | 528 | REMOVE AERIAL CABLE                        |
| 530 | 530 | PLACE POLYETHYLENE BRACE                   |
| 535 | 535 | REMOVE POLE/PUSH BRACE                     |
| 600 | 610 | JETTING CONDUIT                            |
| 620 | 620 | EMBEDMENT PLOW                             |
| 630 | 630 | DIRECTIONAL PLOW                           |
| 700 | 710 | PLACE BURIED CABLE MARKERS AND SIGNSWAYCOM |
| 711 | 711 | PLACE CROSSING SIGNS                       |
| 713 | 713 | INSTALL DETECTION SYSTEM AT EXISTING       |
| 712 | 712 | HANDHOLES/MANHOLES                         |
| 714 | 714 | REMOVE BURIED CABLE MARKER POST/HARDWARE   |
|     |     | REMOVE CONCRETE BURIED CABLE MARKER POST   |



PROJECT:

MISSOURI CITY, TX

SIENNA VILLAGE/MISSOURI CITY LATERAL

NFC, 11/26/2013

MCImetro  
ACCESS TRANSMISSION SERVICES  
CORPORATION

OUTSIDE PLANT CONSTRUCTION

TITLE: FIBER OPTIC ROUTE  
SIENNA VILLAGE/MISSOURI CITY LATERAL  
MISSOURI CITY, TX

DATE: 08-25-2017

ENGINEER: EAGLE EYE

DRAWN BY: ROBERT SANTOS

REVISIONS

| REV | DATE    | DESCRIPTION  | BY |
|-----|---------|--------------|----|
| 1   | 8/25/17 | 1ST REVISION |    |

SCALE  
HORIZONTAL: 1" = 50'  
VERTICAL: 1" = 10'

MP TO MP

SHEET 04 OF 42

FILE: SIENNA VILLAGE.DWG

# 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 MCIS 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 MCIS 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 FACILITY 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 POT HOLES 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 MCIS 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.



PROJECT:

MISSOURI CITY, TX

SERIAL VILLAGE/MISSOURI CITY LATERAL

NEB T08ANAY 013

MCImetro  
ACCESS TRANSMISSION SERVICES  
CORPORATION

OUTSIDE PLANT CONSTRUCTION

TITLE: FIBER OPTIC ROUTE  
SIENNA VILLAGE/MISSOURI CITY LATERAL  
MISSOURI CITY, TX

DATE: 06-25-2017

ENGINEER: EAGLE EYE

DRAWN BY: ROBERT SANTOS

REVISIONS:

| NO | DATE    | DESCRIPTION  | BY |
|----|---------|--------------|----|
| 1  | 8/25/17 | 1ST REVISION |    |

SCALE  
HORIZONTAL: 1"= N/A  
VERTICAL: 1"= N/A

SHEET 4A OF 42

FILE: SIENNA VILLAGE.DWG

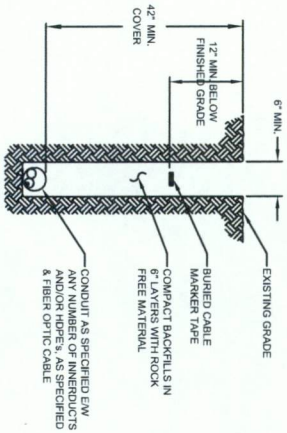




CONSTRUCTION DETAILS

TYPICAL DETAIL "A"

TRENCH & PLACE CONDUIT



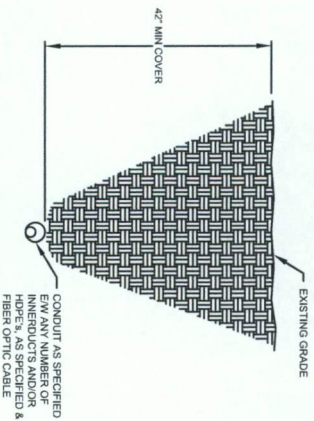
TYPICAL DETAIL "B"

CROSS SECTION OF PROPOSED HOPE



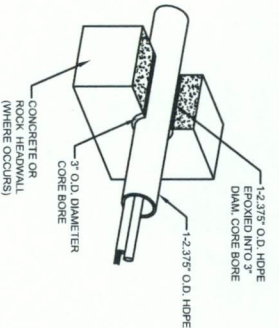
TYPICAL DETAIL "C"

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.



PROJECT:

MISSOURI CITY, TX  
SIENNA VILLAGE/MISSOURI CITY LATERAL  
WEB: TDMANV.JTS

MCImetro  
ACCESS TRANSMISSION SERVICES  
CORPORATION  
OUTSIDE PLANT CONSTRUCTION  
TITLE: FIBER OPTIC ROUTE  
SIENNA VILLAGE/MISSOURI CITY LATERAL  
MISSOURI CITY, TX

DATE: 08-25-2017

ENGINEER: EAGLE EYE

DRAWN BY: ROBERT SANTOS

REVISIONS

| No. | DATE    | DESCRIPTION  | BY |
|-----|---------|--------------|----|
| 1   | 8/25/17 | 1ST REVISION |    |

CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE  
LATEST EDITION OF THE STANDARD SPECIFICATIONS  
FOR HIGHWAY CONSTRUCTION, LATEST EDITION  
OF THE STANDARD SPECIFICATIONS FOR  
CIVIL ENGINEERING, AND THE LATEST EDITION  
OF THE STANDARD SPECIFICATIONS FOR  
ELECTRICAL ENGINEERING, ALL AS  
APPLICABLE. THE CONTRACTOR SHALL BE  
RESPONSIBLE FOR OBTAINING ALL  
NECESSARY PERMITS AND APPROVALS  
BEFORE CONSTRUCTION. THE  
CONTRACTOR SHALL BE RESPONSIBLE  
FOR OBTAINING ALL NECESSARY  
PERMITS AND APPROVALS BEFORE  
CONSTRUCTION. THE CONTRACTOR  
SHALL BE RESPONSIBLE FOR  
OBTAINING ALL NECESSARY  
PERMITS AND APPROVALS BEFORE  
CONSTRUCTION.

SCALE

HORIZONTAL: 1" = N/A

VERTICAL: 1" = N/A

MP TO MP

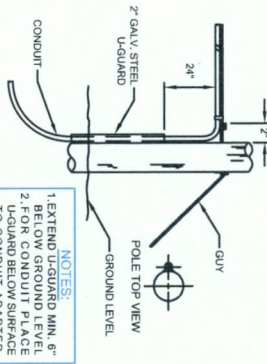
SHEET 06 OF 42

FILE: SIENNA VILLAGE.DWG

# GENERAL AERIAL CONSTRUCTION DETAILS

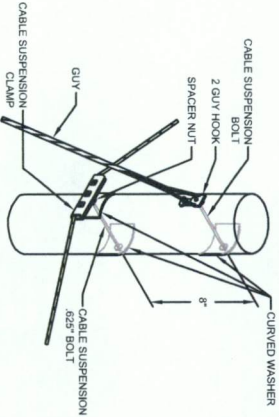
TYPICAL DETAIL "A"

POLE ARRANGEMENT FOR  
AERIAL TO BURIED



TYPICAL DETAIL "D"

SUSPENSION STRAND - PULL TOWARD  
POLE - LESS THAN 5 FEET



TYPICAL DETAIL "G"

JOINING 0045 LASHING WIRE



FORMING WIRE OVER  
STUD OF CLAMP

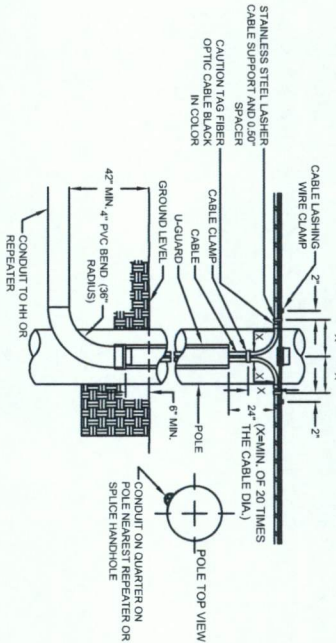
FORMING LASHING WIRE  
AROUND STRAND



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\"/>

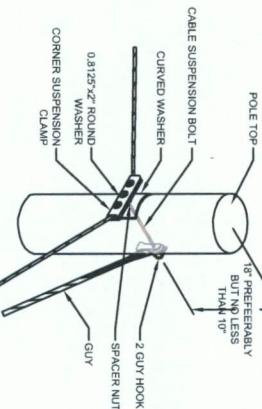
TYPICAL DETAIL "B"

POLE ARRANGEMENT FOR REPEATER  
OR HANDHOLE LOCATION



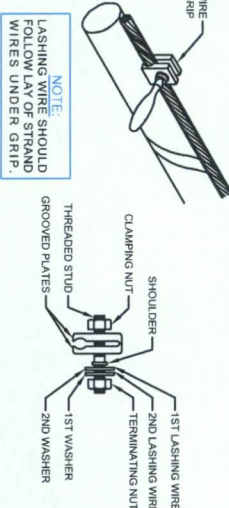
TYPICAL DETAIL "E"

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



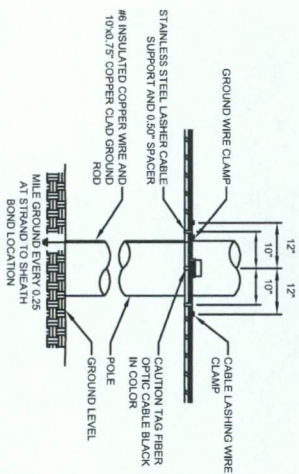
TYPICAL DETAIL "H"

ASHING WIRE GRIP AND CLAMP



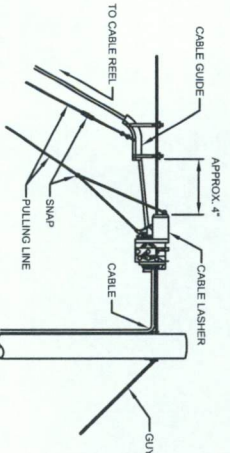
TYPICAL DETAIL "C"

TYPICAL CABLE & HARDWARE  
INSTALLATION



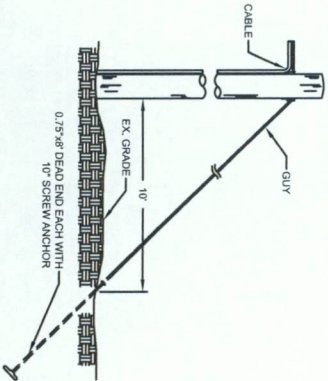
TYPICAL DETAIL "F"

TYPICAL ARRANGEMENT OF  
CABLE LASHER AND CABLE GUIDE



TYPICAL DETAIL "I"

ANCHOR & DOWN GUY



verizonbusiness

PROJECT: MISSOURI CITY, TX

SIENNA VILLAGE/MISSOURI CITY LATERAL

FILE: 17060000.013

McMetro  
ACCESS TRANSMISSION SERVICES  
CORPORATION

OUTSIDE PLANT CONSTRUCTION

TITLE: FIBER OPTIC ROUTE  
SIENNA VILLAGE/MISSOURI CITY LATERAL  
MISSOURI CITY, TX

DATE: 08-25-2017

ENGINEER: DALE EYE

DRAWN BY: ROBERT SANTOS

REVISIONS

| NO. | DATE    | DESCRIPTION  | BY |
|-----|---------|--------------|----|
| 1   | 8/25/17 | 1ST REVISION |    |

EXCEPT AS MAY BE OTHERWISE PROVIDED IN  
THIS SPECIFICATION, THE PROJECT IS TO BE  
CONSTRUCTED IN ACCORDANCE WITH THE  
LATEST EDITIONS OF THE STANDARD SPECIFICATIONS  
FOR HIGHWAY CONSTRUCTION AND SHALL NOT BE  
CONSIDERED A PART OF THE CONTRACT. THE  
CONTRACTOR SHALL BE RESPONSIBLE FOR  
OBTAINING ANY NECESSARY PERMITS AND  
RIGHTS OF WAY WITHOUT DELAYING THE  
PROGRESS OF THE PROJECT.

SCALE

HORIZONTAL: 1" = 100'

VERTICAL: 1" = 10'

MP TO MP

SHEET 60 OF 42

FILE: SIENNA VILLAGE.DWG

AERIAL IN-LINE SLACK STORAGE DETAILS

TYPICAL DETAIL "A"

RESERVE CABLE LENGTH  
STRAND STORAGE APPLICATION



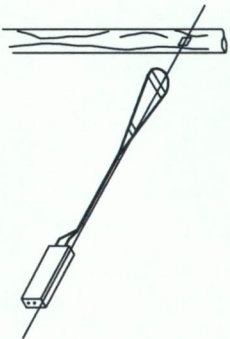
TYPICAL DETAIL "B"

IN-LINE SPLICE APPLICATION



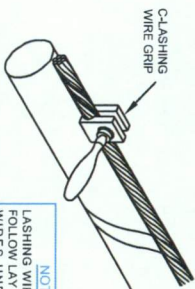
TYPICAL DETAIL "C"

BUTT SPLICE APPLICATION



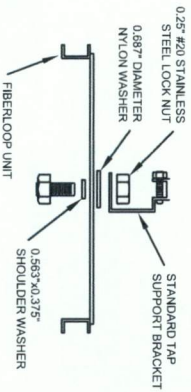
TYPICAL DETAIL "D"

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



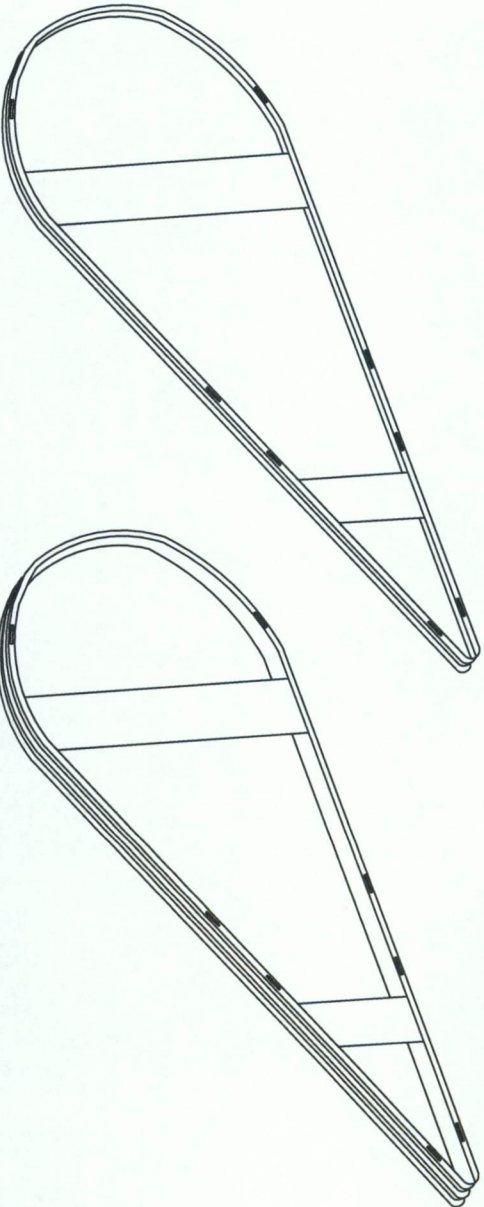
TYPICAL DETAIL "E"

HARDWARE KIT



TYPICAL DETAIL "F"

SINGLE & DOUBLE FIBER LOOPS



PROJECT:

MISSOURI CITY, TX  
SIENNA VILLAGE/MISSOURI CITY LATERAL  
NFO: 770004713

McImetro  
ACCESS TRANSMISSION SERVICES  
CORPORATION

OUTSIDE PLANT CONSTRUCTION

TITLE: FIBER OPTIC ROUTE  
SIENNA VILLAGE/MISSOURI CITY LATERAL  
MISSOURI CITY, TX

DATE: 08-25-2017

ENGINEER: EAGLE EYE

DRAWN BY: ROBERT SANTOS

REVISIONS

| NO. | DATE    | DESCRIPTION  | BY |
|-----|---------|--------------|----|
| 1   | 8/25/17 | 1ST REVISION |    |

NOTES:  
1. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 70B.  
2. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 70B.  
3. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 70B.

SCALE

HORIZONTAL: 1"= N/A

VERTICAL: 1"= N/A

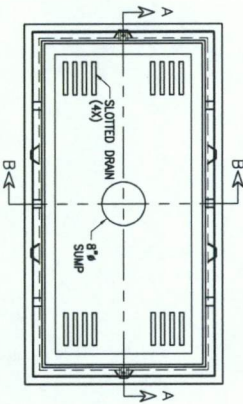
MP TO MP

SHEET 68 OF 42

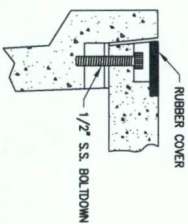
FILE: SIENNA VILLAGE.DWG

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

DETAIL "A"  
LOCKING DEVICE  
CROSS SECTION

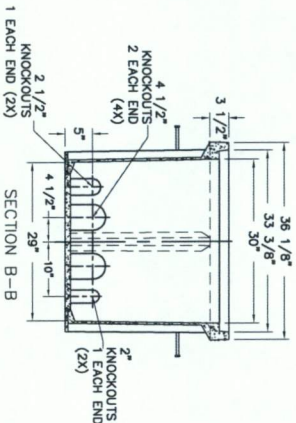
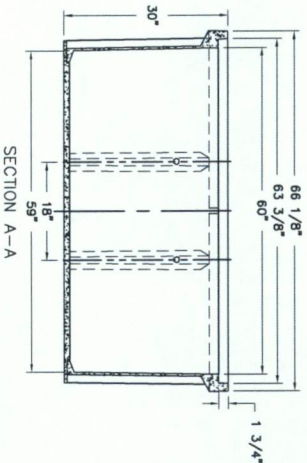
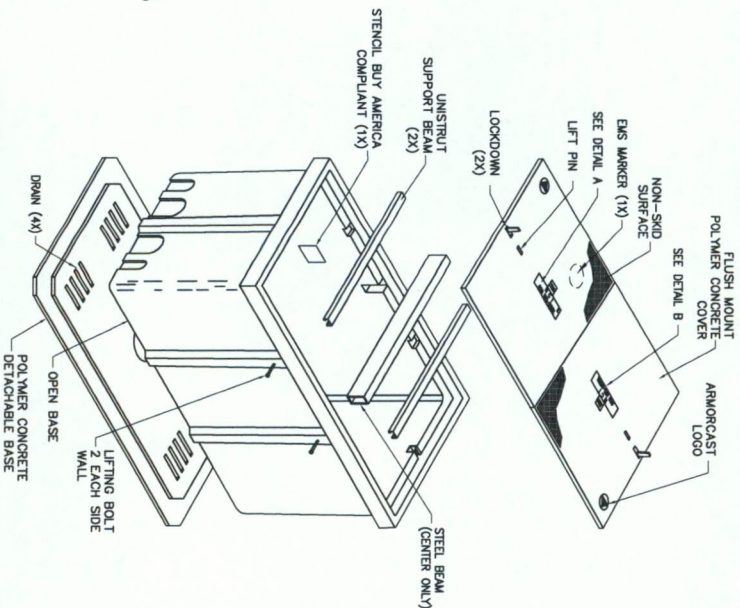


DETAIL "B"  
FLUSH MOUNT  
COVER DETAIL



FLUSH MOUNT COVER DETAIL

DETAIL "C"  
EXPLODED ISOMETRIC DETAIL



SEALED PLASTIC BAG PLACED INSIDE VAULT TO CONTAIN

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

**30K STANDARD HANDHOLE**  
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

|                                                                                       |         |              |    |
|---------------------------------------------------------------------------------------|---------|--------------|----|
|  |         |              |    |
| PROJECT: MISSOURI CITY, TX                                                            |         |              |    |
| SIENNA VILLAGE/MISSOURI CITY LATERAL                                                  |         |              |    |
| NFD: 1706000V 213                                                                     |         |              |    |
| DATE: 08-25-2017                                                                      |         |              |    |
| ENGINEER: EAGLE EYE                                                                   |         |              |    |
| DRAWN BY: ROBERT SANTOS                                                               |         |              |    |
| REVISIONS                                                                             |         |              |    |
| NO.                                                                                   | DATE    | DESCRIPTION  | BY |
| 1                                                                                     | 8/23/17 | 1ST REVISION |    |
| SCALE                                                                                 |         |              |    |
| HORIZONTAL: 1"= 10'                                                                   |         |              |    |
| VERTICAL: 1"= 10'                                                                     |         |              |    |
| SHEET 07 OF 42                                                                        |         |              |    |
| FILE: SIENNA VILLAGE.DWG                                                              |         |              |    |

|                                                                                       |  |
|---------------------------------------------------------------------------------------|--|
| MCImetro<br>ACCESS TRANSMISSION SERVICES<br>CORPORATION                               |  |
| OUTSIDE PLANT CONSTRUCTION                                                            |  |
| TITLE: FIBER OPTIC ROUTE<br>SIENNA VILLAGE/MISSOURI CITY LATERAL<br>MISSOURI CITY, TX |  |

MCImetro  
ACCESS TRANSMISSION SERVICES  
CORPORATION

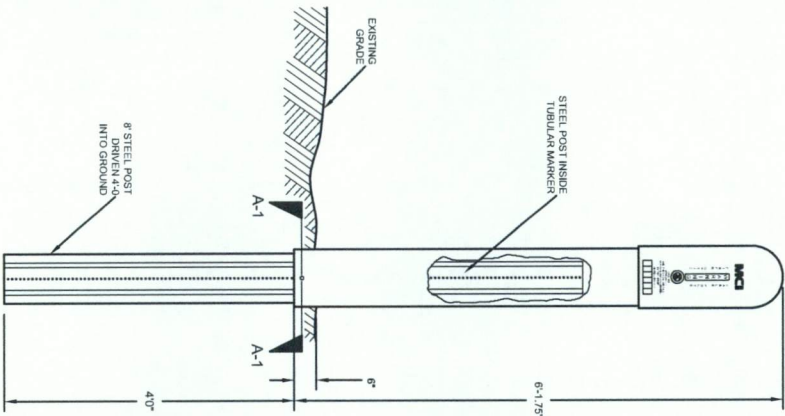
OUTSIDE PLANT CONSTRUCTION

TITLE: FIBER OPTIC ROUTE  
SIENNA VILLAGE/MISSOURI CITY LATERAL  
MISSOURI CITY, TX

# TUBULAR MARKER DETAILS

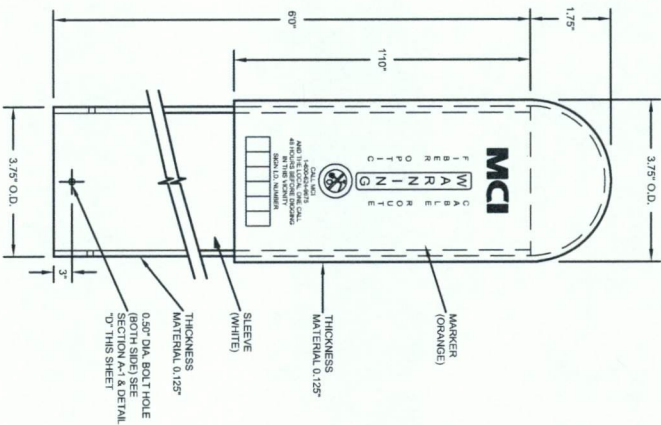
DETAIL "A"

INSTALLATION VIEW



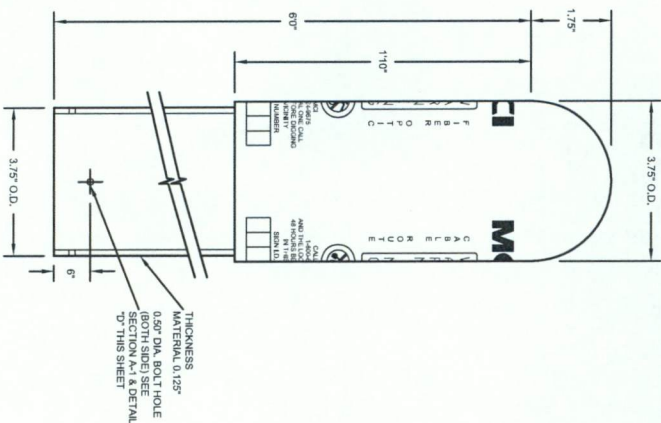
DETAIL "B"

FRONT VIEW



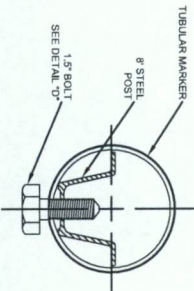
DETAIL "C"

SIDE VIEW



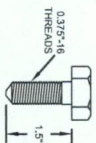
SECTION A-1

TUBULAR MARKER



DETAIL "D"

1.5" BOLT



verizonbusiness

PROJECT

MISSOURI CITY, TX  
SIENNA VILLAGE/MISSOURI CITY LATERAL  
WFE-17060447-013

MCImetro  
ACCESS TRANSMISSION SERVICES  
CORPORATION

OUTSIDE PLANT CONSTRUCTION

TITLE: FIBER OPTIC ROUTE  
SIENNA VILLAGE/MISSOURI CITY LATERAL  
MISSOURI CITY, TX

DATE: 08-25-2017

ENGINEER: EAGLE EYE

DRAWN BY: ROBERT SANTOS

REVISIONS

| No. | DATE     | DESCRIPTION  | BY |
|-----|----------|--------------|----|
| 1   | 10-25-17 | 1ST REVISION |    |

SCALE

HORIZONTAL: 1"= NA

VERTICAL: 1"= NA

MP TO MP

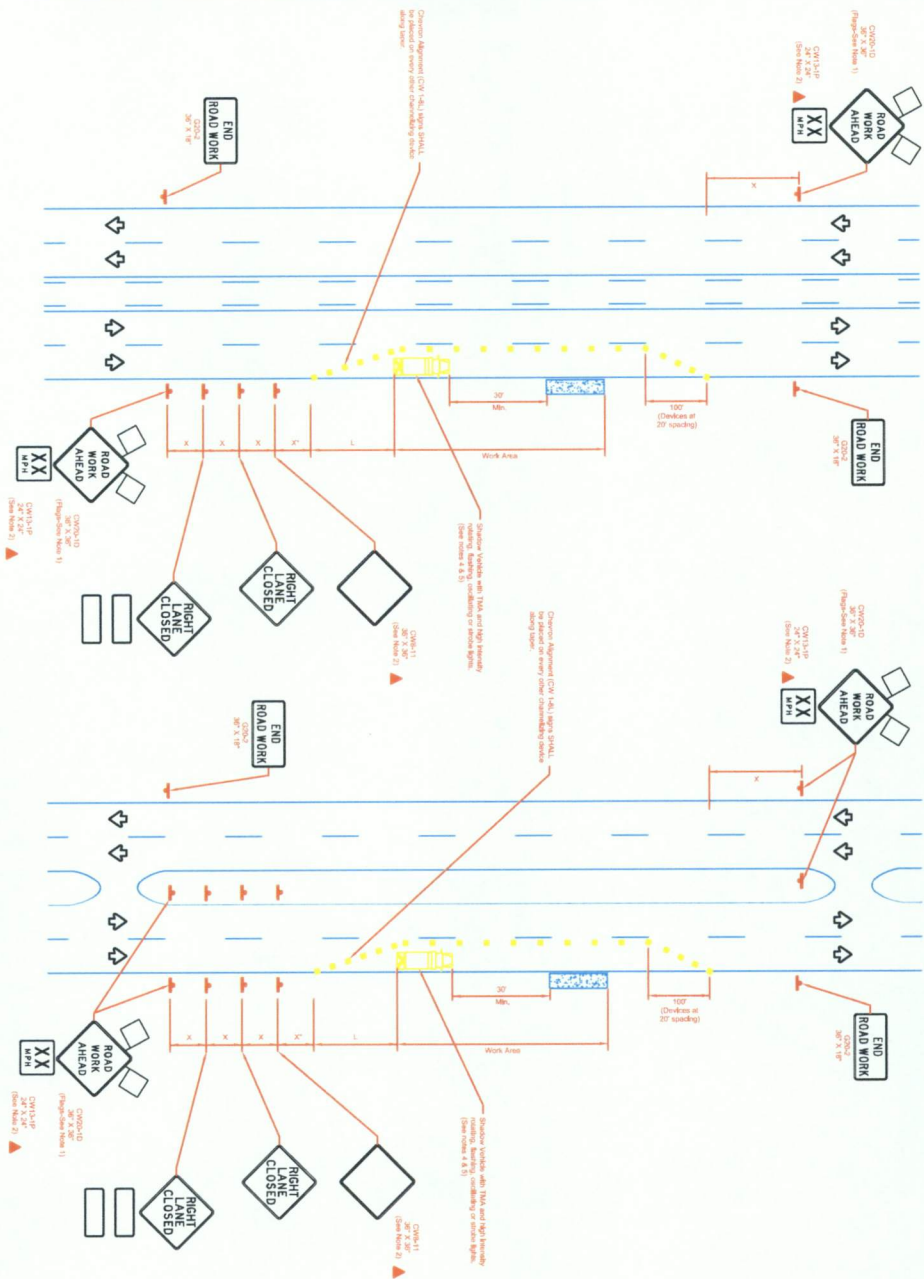
SHEET 7A OF 42

FILE: SIENNA VILLAGE.DWG

# TRAFFIC CONTROL PLAN DETAILS

## RIGHT LANE CLOSURE (5 LANE ROAD)

## RIGHT LANE CLOSURE (4 LANE BOULEVARD ROAD)



### TRAFFIC CONTROL PLAN SECTION SHALL BE COMPLETED BY ENGINEER

| ROADWAY                      | POSTED SPEED | TAKEN SPEED | CHANGING LANE | ROAD | BARREL |
|------------------------------|--------------|-------------|---------------|------|--------|
| WEST LANE INDUSTRIAL PARKWAY | 45 MPH       | 50          | 45            | 90'  | 100'   |
| WEST LANE INDUSTRIAL PARKWAY | 45 MPH       | 50          | 45            | 90'  | 100'   |
| WEST LANE INDUSTRIAL PARKWAY | 45 MPH       | 50          | 45            | 90'  | 100'   |
| WEST LANE INDUSTRIAL PARKWAY | 45 MPH       | 50          | 45            | 90'  | 100'   |
| WEST LANE INDUSTRIAL PARKWAY | 45 MPH       | 50          | 45            | 90'  | 100'   |
| WEST LANE INDUSTRIAL PARKWAY | 45 MPH       | 50          | 45            | 90'  | 100'   |
| WEST LANE INDUSTRIAL PARKWAY | 45 MPH       | 50          | 45            | 90'  | 100'   |
| WEST LANE INDUSTRIAL PARKWAY | 45 MPH       | 50          | 45            | 90'  | 100'   |
| WEST LANE INDUSTRIAL PARKWAY | 45 MPH       | 50          | 45            | 90'  | 100'   |
| WEST LANE INDUSTRIAL PARKWAY | 45 MPH       | 50          | 45            | 90'  | 100'   |

#### LEGEND

| Symbol | Description       |
|--------|-------------------|
| XX     | ROAD WORK AHEAD   |
| XX     | RIGHT LANE CLOSED |
| XX     | END ROAD WORK     |
| XX     | ROAD WORK AHEAD   |
| XX     | RIGHT LANE CLOSED |
| XX     | END ROAD WORK     |
| XX     | ROAD WORK AHEAD   |
| XX     | RIGHT LANE CLOSED |
| XX     | END ROAD WORK     |
| XX     | ROAD WORK AHEAD   |
| XX     | RIGHT LANE CLOSED |
| XX     | END ROAD WORK     |

| Postage | Postage | Postage | Postage | Postage | Postage |
|---------|---------|---------|---------|---------|---------|
| 10      | 10      | 10      | 10      | 10      | 10      |
| 20      | 20      | 20      | 20      | 20      | 20      |
| 30      | 30      | 30      | 30      | 30      | 30      |
| 40      | 40      | 40      | 40      | 40      | 40      |
| 50      | 50      | 50      | 50      | 50      | 50      |
| 60      | 60      | 60      | 60      | 60      | 60      |
| 70      | 70      | 70      | 70      | 70      | 70      |
| 80      | 80      | 80      | 80      | 80      | 80      |
| 90      | 90      | 90      | 90      | 90      | 90      |
| 100     | 100     | 100     | 100     | 100     | 100     |
| 110     | 110     | 110     | 110     | 110     | 110     |
| 120     | 120     | 120     | 120     | 120     | 120     |
| 130     | 130     | 130     | 130     | 130     | 130     |
| 140     | 140     | 140     | 140     | 140     | 140     |
| 150     | 150     | 150     | 150     | 150     | 150     |
| 160     | 160     | 160     | 160     | 160     | 160     |
| 170     | 170     | 170     | 170     | 170     | 170     |
| 180     | 180     | 180     | 180     | 180     | 180     |
| 190     | 190     | 190     | 190     | 190     | 190     |
| 200     | 200     | 200     | 200     | 200     | 200     |

#### GENERAL NOTES

1. All work shall be done in accordance with the plans and specifications.
2. All work shall be done in accordance with the plans and specifications.
3. All work shall be done in accordance with the plans and specifications.
4. All work shall be done in accordance with the plans and specifications.
5. All work shall be done in accordance with the plans and specifications.
6. All work shall be done in accordance with the plans and specifications.
7. All work shall be done in accordance with the plans and specifications.
8. All work shall be done in accordance with the plans and specifications.
9. All work shall be done in accordance with the plans and specifications.
10. All work shall be done in accordance with the plans and specifications.

| NO. | REVISIONS | DATE | NAME |
|-----|-----------|------|------|
| 1   | REVISIONS |      |      |
| 2   | REVISIONS |      |      |
| 3   | REVISIONS |      |      |
| 4   | REVISIONS |      |      |
| 5   | REVISIONS |      |      |
| 6   | REVISIONS |      |      |
| 7   | REVISIONS |      |      |
| 8   | REVISIONS |      |      |
| 9   | REVISIONS |      |      |
| 10  | REVISIONS |      |      |

HARRIS COUNTY  
ENGINEERING DEPARTMENT



TEO LLC  
5501 North Loop West, Suite 200  
Houston, Texas 77037  
281-566-4334 FAX  
713-666-4334 FAX  
P.O. Box 10000  
Houston, Texas 77255



| PROJECT TITLE                | DATE       | BY            | APPROVED BY | REVISIONS |
|------------------------------|------------|---------------|-------------|-----------|
| WEST LANE INDUSTRIAL PARKWAY | 08-25-2017 | ROBERT SANTOS |             |           |
| WEST LANE INDUSTRIAL PARKWAY | 08-25-2017 | ROBERT SANTOS |             |           |
| WEST LANE INDUSTRIAL PARKWAY | 08-25-2017 | ROBERT SANTOS |             |           |
| WEST LANE INDUSTRIAL PARKWAY | 08-25-2017 | ROBERT SANTOS |             |           |
| WEST LANE INDUSTRIAL PARKWAY | 08-25-2017 | ROBERT SANTOS |             |           |
| WEST LANE INDUSTRIAL PARKWAY | 08-25-2017 | ROBERT SANTOS |             |           |
| WEST LANE INDUSTRIAL PARKWAY | 08-25-2017 | ROBERT SANTOS |             |           |
| WEST LANE INDUSTRIAL PARKWAY | 08-25-2017 | ROBERT SANTOS |             |           |
| WEST LANE INDUSTRIAL PARKWAY | 08-25-2017 | ROBERT SANTOS |             |           |
| WEST LANE INDUSTRIAL PARKWAY | 08-25-2017 | ROBERT SANTOS |             |           |

PROJECT: MISSOURI CITY, TX  
SIENNA VILLAGE/MISSOURI CITY LATERAL  
RFD - TOWN 213

McImetro  
ACCESS TRANSMISSION SERVICES  
CORPORATION

OUTSIDE PLANT CONSTRUCTION

TITLE: FIBER OPTIC ROUTE  
SIENNA VILLAGE/MISSOURI CITY LATERAL  
MISSOURI CITY, TX

DATE: 08-25-2017  
ENGINEER: EAGLE EYE  
DRAWN BY: ROBERT SANTOS

REVISIONS

| NO. | DATE     | DESCRIPTION  | BY |
|-----|----------|--------------|----|
| 1   | 08-25-17 | 1ST REVISION | RS |

SCALE

HORIZONTAL: 1" = 100'

VERTICAL: 1" = 10'

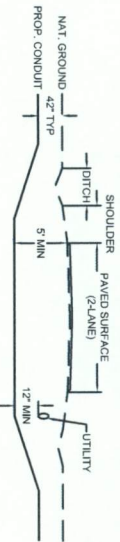
SHEET 08 OF 42

FILE: SIENNA VILLAGE.DWG

# ROAD CROSSING DETAILS

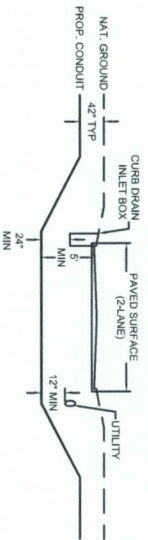
TYPICAL DETAIL "A"

TWO LANE - ASPHALT ROAD - NO CURB



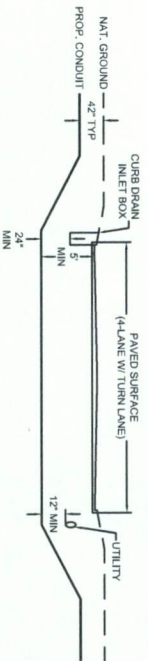
TYPICAL DETAIL "B"

TWO LANE - CURBED ROAD



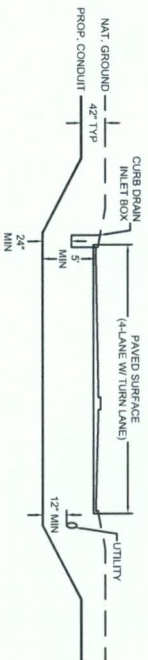
TYPICAL DETAIL "C"

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



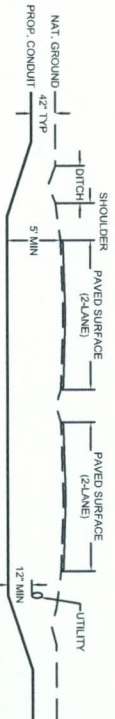
TYPICAL DETAIL "D"

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



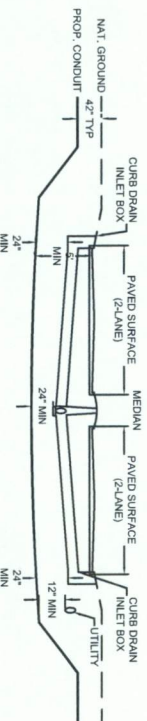
TYPICAL DETAIL "E"

4 LANE - SPLIT ASPHALT ROAD - NO CURB



TYPICAL DETAIL "F"

4 LANE - SPLIT CURBED ROAD



PROJECT:

MISSOURI CITY, TX  
SIENNA VILLAGE/MISSOURI CITY LATERAL  
NED: 178644V.013

MCImetro  
ACCESS TRANSMISSION SERVICES  
CORPORATION  
  
OUTSIDE PLANT CONSTRUCTION  
  
TITLE: FIBER OPTIC ROUTE  
SIENNA VILLAGE/MISSOURI CITY LATERAL  
MISSOURI CITY, TX

DATE: 08-25-2017

ENGINEER: EAGLE EYE

DRAWN BY: ROBERT SANTOS

REVISIONS

| NO. | DATE    | DESCRIPTION  | BY |
|-----|---------|--------------|----|
| 1   | 8/25/17 | 1ST REVISION |    |

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REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY  
MEANS, WITHOUT PERMISSION FROM MCImetro ACCESS TRANSMISSION  
SERVICES CORPORATION.

SCALE

HORIZONTAL: 1" = 100'

VERTICAL: 1" = 10'

MP TO MP

SHEET 00A OF 42

FILE: SIENNA VILLAGE.DWG

Hand-drawn floor plan of a building. The plan shows a large central hall (10' x 12') with several smaller rooms and corridors. Dimensions are noted for several rooms: 10' x 12', 10' x 10', 10' x 8', 10' x 6', 10' x 4', 10' x 3', 10' x 2', 10' x 1', 10' x 0.5'. A legend on the right side identifies symbols for doors, windows, and furniture. The drawing is on a grid background.

Legend:

- Door
- Window
- Furniture

[illegible][illegible]

MISSOURI CITY, TX  
MISSOURI CITY

SEE SHEET 42 TO MATCH SURVEY STA. 338+55



PROJECT:

MISSOURI CITY, TX  
MISSOURI CITY/SENA VILLAGE LATERAL  
NFD, 178 MAY 013  
CLASSIFICATION NO.  
PLACE HANDHOLE 1  
PROP 24" HDPE 1175  
PULL 1288F CABLE 1275  
PULL 1288F CABLE 1275  
PLACE MARKER 2

MCImetro  
ACCESS TRANSMISSION SERVICES  
CORPORATION  
OUTSIDE PLANT CONSTRUCTION  
TITLE: FIBER OPTIC ROUTE  
SIENNA VILLAGE/MISSOURI CITY LATERAL  
MISSOURI CITY, TX

DATE: 08-25-2017

ENGINEER: EAGLE EYE

DRAWN BY: ROBERT SANTOS

REVISIONS

NO. DATE DESCRIPTION

1 8/25/17 1ST REVISION

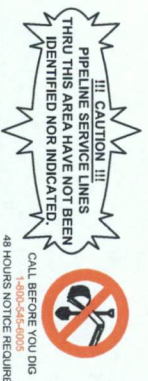
HORIZONTAL:

VERTICAL:

MP TO MP

SHEET 41 OF 42

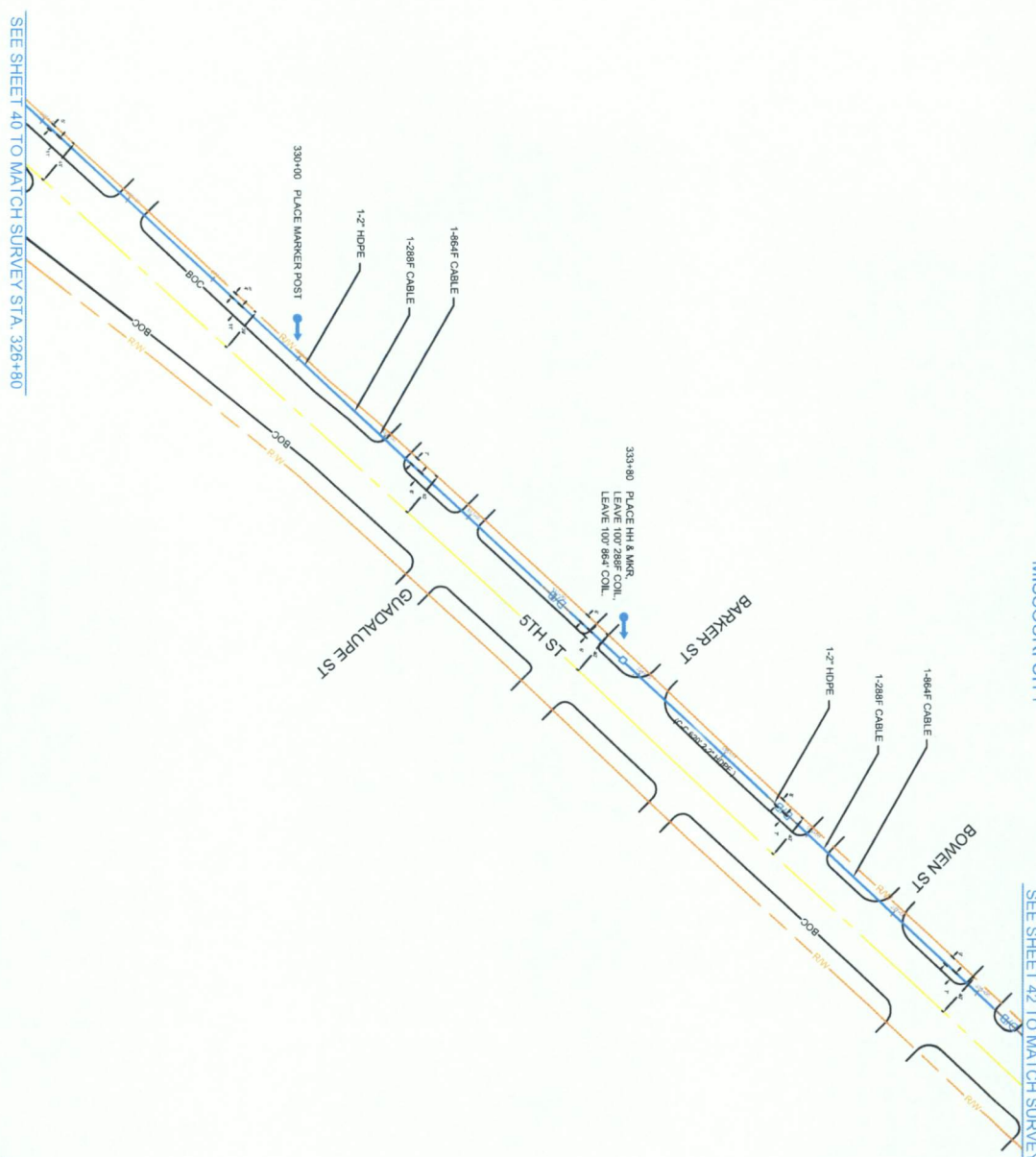
FILE: ECC-MISSOURI CITY



UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND FIELD OBSERVATIONS BUT ARE NOT NECESSARILY EXACT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND 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 A REGISTERED PROFESSIONAL ENGINEER. RIGHT OF WAY BOUNDARY LINES PRIOR TO CONSTRUCTION.

SEE SHEET 40 TO MATCH SURVEY STA. 326+80



MISSOURI CITY, TX  
MISSOURI CITY



PROJECT:

MISSOURI CITY, TX  
MISSOURI CITY/SIENNA VILLAGE LATERAL  
WB: 1709MAY/013

CO. ABERRATION NO.

PLACE HANDHOLE 2

PROP. 2" HOPE 218

PULL 1-288F CABLE 465

PULL 1-864F CABLE 2

PLACE MARKER 2

MCImetro  
ACCESS TRANSMISSION SERVICES  
CORPORATION  
OUTSIDE PLANT CONSTRUCTION  
TITLE: FIBER OPTIC ROUTE  
SIENNA VILLAGE/MISSOURI CITY LATERAL  
MISSOURI CITY, TX

DATE: 08-25-2017

ENGINEER: EAGLE EYE

DRAWN BY: ROBERT SANTOS

REVISIONS

NO. DATE DESCRIPTION

1 8/29/17 1ST REVISION

| NO. | DATE    | DESCRIPTION  |
|-----|---------|--------------|
| 1   | 8/29/17 | 1ST REVISION |

SCALE

HORIZONTAL

VERTICAL

MP TO MP

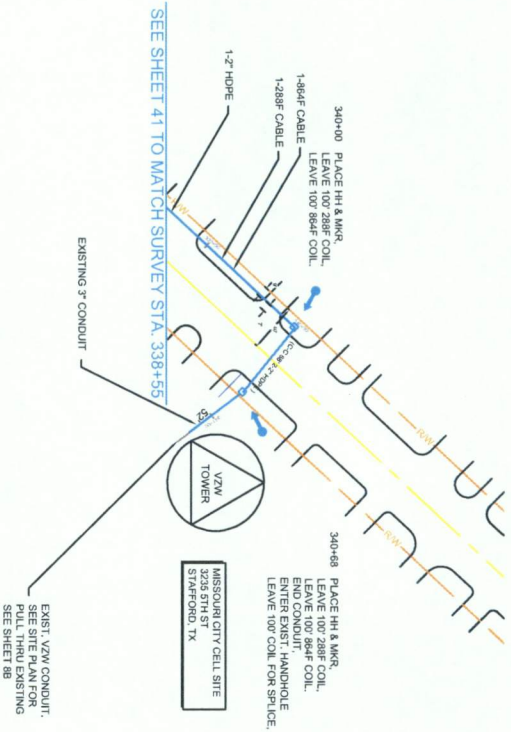
SHEET 42 OF 42

FILE: EOC-MISSOURI CITY



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 A REGISTERED PROFESSIONAL LAND SURVEYOR TO ACCURATELY VERIFY RIGHT OF WAY AND PROPERTY LINES PRIOR TO CONSTRUCTION.





**Location**

3235 5th St, Stafford, Texas, 77477 - 3235 5 St, Stafford  
Not what you wanted?