

STANDARD UTILITY AGREEMENT

U-0021: **MCI Communication Services, Inc.**
County: Fort Bend
Highway: FM 1093 Westpark Extension Phase II

This Agreement by and between the County of Fort Bend, Texas, ("**County**"), and **MCI Communication Services, Inc. ("Utility")**, acting by and through its duly authorized representative, shall be effective on the date of approval and execution by and on behalf of the **County**.

WHEREAS, the **County** has deemed it necessary to make certain highway improvements as designated by the **County** and approved by the Federal Highway Administration within the limits of the highway as indicated above;

WHEREAS, the proposed highway improvements will necessitate the adjustment, removal, and/or relocation of certain facilities of **Utility** as indicated in the following statement of work: relocation of assets into a predesignated corridor according to the following schedule of dates:

Bid date – N/A
Board Approval – N/A
Start date – September 1, 2017, or sooner
Completion date – October 31, 2017

and more specifically shown in **Utility's** Plans and Specifications, Estimated Costs, and Schedule which are attached hereto as Exhibits "A," "B" and "C."

WHEREAS, Subchapter E of Chapter 203 of the Texas Transportation Code regarding the relocation of utilities does not apply to this Project, but the County wishes to negotiate in good faith and enter into agreements with all affected utility companies for the participation in the costs of the adjustment, removal, and/or relocation of certain facilities as authorized under such subchapter.

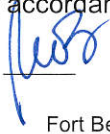
WHEREAS, the **County**, upon receipt of evidence it deems sufficient, acknowledges **Utility's** interest in certain lands and/or facilities and determined it is appropriate to enter an agreement with **Utility** to govern the terms for participation in the costs of the adjustment, removal, and relocation of certain of its facilities located upon the lands as indicated in the statement of work above.

NOW, THEREFORE, BE IT AGREED:

The **County** will pay to **Utility** one hundred percent (100%) of the documented actual costs incurred in adjustment, removal, and/or relocation of **Utility's** facilities up to the amount said costs may be eligible for **County** participation. Without regard to **Utility's** eligibility for reimbursement, the County will pay **Utility** 100% of the documented direct and indirect actual costs for **Utility's** installation of the Fort Bend County fiber optic cable, conduit, manholes and any and all associated facilities, including, but not limited to, labor, materials, construction, damages, administrative overhead, taxes, travel expenses, legal fees and other reasonable out of pocket expenses

All conduct under this agreement, including but not limited to the adjustment, removal and relocation of the facility, the development and reimbursement of costs, any environmental requirements, and retention of records will be in accordance with all applicable federal and state laws, rules and regulations, including, without limitation, the Federal Uniform Relocation Assistance and Real Property Acquisition Policies Act, 42 U.S.C. §§ 4601, et seq., the National Environmental Policy Act, 42 U.S.C. §§ 4231, et seq., the Buy America provisions of 23 U.S.C. § 313 and 23 CFR 635.410, the Utility Relocations, Adjustments, and Reimbursements provisions of 23 CFR 645, Subpart A, and with the Utility Accommodation provisions of 23 CFR 645, Subpart B. **Utility** shall supply, upon request by the **County**, proof of compliance with the aforementioned laws, rules and regulations prior to the commencement of construction.

The **Utility** agrees to develop relocation or adjustment costs by accumulating actual direct and related indirect costs in accordance with a work order accounting procedure prescribed by **County**, or may, with the **County's** approval,



Date
Fort Bend County



Initial



Date
MCI

accumulate actual direct and related indirect costs in accordance with an established accounting procedure developed by **Utility**. Bills for work hereunder will be submitted to **County** not later than 90 days after completion of the work.

When requested, the **County** will make intermediate payments at not less than monthly intervals to **Utility** when properly billed and such payments will not exceed 90 percent (90%) of the eligible cost as shown in each such billing. Intermediate payments shall not be construed as final payment for any items included in the intermediate payment.

Upon execution of this agreement by both parties hereto, the **County** will, by written notice, authorize the **Utility** to perform such work diligently, and to conclude said adjustment, removal, or relocation by the stated completion date. The completion date shall be extended for delays caused by events outside **Utility's** control, including an event of Force Majeure, which shall include a strike, war or act of war (whether an actual declaration of war is made or not), insurrection, riot, act of public enemy, accident, fire, flood or other act of God, sabotage, or other events, interference by the **County** or any other party with **Utility's** ability to proceed with the relocation, or any other event in which **Utility** has exercised all due care in the prevention thereof so that the causes or other events are beyond the control and without the fault or negligence of **Utility**.

The **County** will, upon satisfactory completion of the relocation or adjustment and upon receipt of final billing prepared in an approved form and manner, make payment in the amount of 90 percent (90%) of the eligible costs as shown in the final billing prior to audit and after such audit shall make an additional final payment totaling the reimbursement amount found eligible for **County** reimbursement. Without regard to eligibility and without audit, **County** will pay **Utility** 100% of the documented direct and indirect actual costs for **Utility's** installation of the Fort Bend County fiber optic cable, conduit, manholes and any and all associated facilities, including, but not limited to, labor, materials, construction, damages, administrative overhead, taxes, travel expenses, legal fees and other reasonable out of pocket expenses.

Unless an item below is stricken and initialed by the **County** and **Utility**, this agreement in its entirety consists of the following:

1. Standard Utility Agreement;
2. Plans & Specifications (Attachment "A");
3. Utility Construction Cost Estimate (Attachment "B");
4. Utility's Schedule of Work and Estimated Date of Completion (Attachment "C").

All attachments are included herein as if fully set forth. In the event it is determined that a substantial change from the statement of work contained in this agreement is required, reimbursement therefore shall be limited to costs covered by a modification or amendment of this agreement or a written change or extra work order approved by the **County and Utility**.

This agreement is subject to cancellation by the **County** at any time up to the date that work under this agreement has been authorized and that such cancellation will not create any liability on the part of the **County**. However, the **County** will review and reimburse the **Utility** for eligible costs incurred by the **Utility** in preparation of this Agreement.

The **Utility** acknowledges to and for the benefit of the **County** and State of Texas that it understands the project under this Agreement is eligible for Federal-aid highway funds and as such, requires all of the iron, steel, and manufactured goods used in the project be produced in the United States ("Buy American Requirements") including iron, steel, and manufactured goods provided by the **Utility** pursuant to this Agreement.

The State Auditor may conduct an audit or investigation of any entity receiving funds from the **County** directly under this contract or indirectly through a subcontract under this contract. Acceptance of funds directly under this contract or indirectly through a subcontract under this contract acts as acceptance of the authority of the State Auditor, under the direction of the Legislative Audit Committee, to conduct an audit or investigation in connection with those funds. An entity that is the subject of an audit or investigation must provide the state auditor with access to any information the state auditor considers relevant to the investigation or audit.



Date
Fort Bend County



Initial



Date

MCI

The **Utility** by execution of this agreement does not waive any of the rights which **Utility** may have within the limits of the law.

It is expressly understood that the **Utility** conducts the adjustment, removal, or relocation at its own risk, and that Fort Bend County, Texas makes no warranties or representations regarding the existence or location of utilities currently within its right of way.

The signatories to this agreement warrant that each has the authority to enter into this agreement on behalf of the party represented.

UTILITY

Utility: MCI Communication Services, Inc.
Name of Utility

By: 
Authorized Signature

Robert J. Hayes
Print or Type Name

Title: Sr. Manager Network Engineering & Operations

Date: 8/14/2017



Date
Fort Bend County

 8/14/17
Initial Date
MCI

EXECUTION RECOMMENDED:

COUNTY

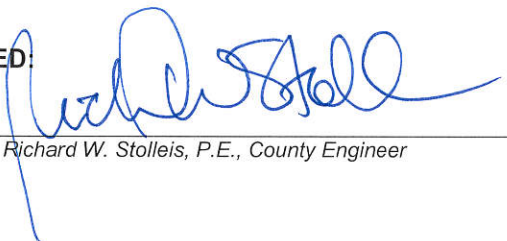
By: _____
Robert E. Hebert, County Judge

Date: _____

ATTEST:

By: _____
Laura Richard, County Clerk

APPROVED:

By:  _____
Richard W. Stolleis, P.E., County Engineer

APPROVED AS TO LEGAL FORM:

By: _____
Marcus D. Spencer, First Assistant County Attorney

AUDITOR'S CERTIFICATE

I hereby certify that funds are available in the amount of \$_____ to accomplish and pay the obligation of Fort Bend County under this contract.

Robert Ed Sturdivant, County Auditor



Fort Bend County

Date



Initial

MCI



Date

Exhibit A

MCI Communication Services, Inc. Plans & Specifications

(45 Pages that Follow)



Date
Fort Bend County



Initial
MCI



Date

MCImetro
ACCESS TRANSMISSION SERVICES CORPORATION
OUTSIDE PLANT CONSTRUCTION
FIBER OPTIC CABLE ROUTE

OSP CAPITAL PROJECT #: R40073-024
RCUP FM 1093 WESTPARK EXTENSION PHASE II
FULSHEAR, TX

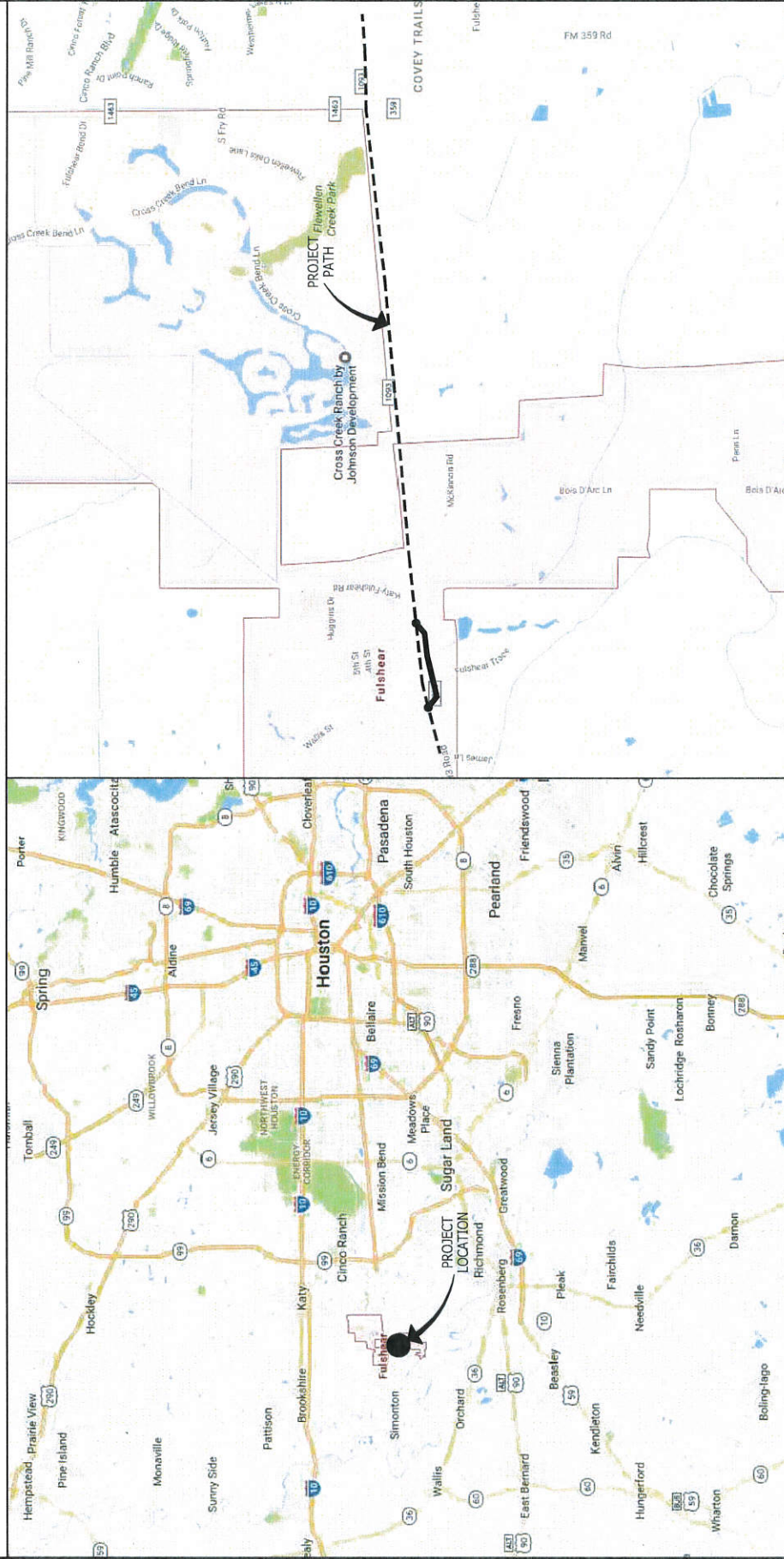
SITE CODE: XXXXX
PROJECT STATUS: CONSTRUCTION
DATE: JUNE 27, 2017

LOCATION MAP

FULSHEAR, TX
FORT BEND COUNTY



PROJECT: R40073-024
RCUP FM 1093 WESTPARK
EXTENSION PHASE II
FULSHEAR, TX



PROJECT MAP

FULSHEAR, TX

VICINITY MAP



McMinto
ACCESS TRANSMISSION SERVICES CORPORATION
OUTSIDE PLANT CONSTRUCTION
TITLE: FIBER OPTIC ROUTE
RCUP FM 1093 WESTPARK EXTENSION PHASE II
FULSHEAR, TX

DATE: 04/27/17
ENGINEER: JEFF BUEHLER
DRAWN BY: G.F.S.
REVISIONS
DATE DESCRIPTION INITIAL

SCALE
HORIZONTAL: N/A
VERTICAL: N/A
MP N/A TO MP N/A
SHEET 02 OF 43
FILE: R40073-2401002A.C8&U

CONTACT SHEET



PROJECT: R-0073-024

RCUP FM 1093 WESTPARK

EXTENSION PHASE II

FULSHEAR, TX

MCI

PROJECT ENGINEER:

MANAGER:

PROJECT COORDINATOR:

JEFF BUEHLER

LARRY SAUNDERS

(727) 729-4404

(727) 729-5908

OUTSIDE PLANT CONSTRUCTION:

PROJECT ENGINEER:

MANAGER:

PROJECT COORDINATOR:

JEFF BUEHLER

LARRY SAUNDERS

(727) 729-4404

(727) 729-5908

AGST:

MANAGER:

BOB HAYES

(727) 721-1537

COORDINATOR:

MANAGER:

PROGRAM MANAGER:

LIQUIDATE ENGINEER:

CIVIL ENGINEER:

TERMINAL CONST. REP.:

SPlicing MANAGER:

TSD MANAGER:

ENGINEERING CONTRACTOR

GOLDEN FIELD SERVICES:

10830 EAST 45TH ST. STE. 405

TULSA, OK 74146

OFFICE:

FAX:

(918) 610-0014

(918) 610-0016

PRESIDENT:

JERRY JEFFRIES, SR.

OFFICE:

CELL:

EMAIL:

(918) 610-0014

(918) 633-2198

PROJECT MANAGER:

LARRY STALCUP

OFFICE:

CELL:

E-MAIL:

(918) 610-0014

(918) 633-2198

NAME OF FIRM:

PROJECT COORDINATOR:

PROJECT SUPERINTENDENT:

CITY GOVERNMENT

CITY OF TULSHEAR

WILLIAMSON HARRIS COUNTY GOVERNMENT

N/A

STATE GOVERNMENT

N/A

FEDERAL GOVERNMENT

N/A

OTHER

N/A

ACCESS TRANSMISSION SERVICES CORPORATION

OUTSIDE PLANT CONSTRUCTION

TITLE: FIBER OPTIC ROUTE

RCUP FM 1093 WESTPARK EXTENSION PHASE II

FULSHEAR, TX

DATE: 06/27/17

ENGINEER: JEFF BUEHLER

DRAWN BY: G.F.S.

REVISIONS

DATE DESCRIPTION INITIAL

RECEIPT AS MAY BE OTHERWISE PROVIDED BY CONTRACT. THIS DRAWING AND SPECIFICATIONS ARE THE PROPERTY OF VERIZON BUSINESS SERVICES INC. AND ARE NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF VERIZON BUSINESS SERVICES INC.

SCALE

HORIZONTAL: N/A

VERTICAL: N/A

MP N/A TO MP N/A

SHEET 03 OF 43

FILE: R40073-2401003AC.RAU

GENERAL NOTES & CLARIFICATION NOTES

GENERAL NOTES

- 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.
- ALL WORK TO BE PERFORMED IN STRICT ACCORDANCE WITH THE APPLICABLE CODES OR REQUIREMENTS OF ANY REGULATING GOVERNMENTAL AGENCY, VERIZON BUSINESS AND THE RIGHT-OF-WAY GRANTOR.
- LOCATIONS OF SOME OF THE PHYSICAL FEATURES WERE OBTAINED FROM DATED RAILROAD EVALUATION MAPS OR OTHER DRAWINGS AND MAY NOT BE AS SHOWN OR DEPICTED ON THESE DRAWINGS.
- 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.
- 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.
- ANY AND ALL IMPROVEMENTS, SUCH AS ASPHALT OR CONCRETE PAVEMENT, CURBS, GUTTERS, WALKS, DRAINAGE DITCHES, EMBANKMENTS, SHRUBS, TREES, GRASS SOIL, ETC., IF DAMAGED, SHALL BE RESTORED TO ORIGINAL CONDITION.
- EQUIPMENT TYPES SPECIFIED HEREIN (IF "BACKHOPE", SWAMP FLOW ETC.) ARE SUGGESTIONS ONLY AND ARE NOT INTENDED AS REQUIREMENTS. CONTRACTOR WILL BE NOTIFIED AS TO EXPECTATIONS.
- 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.
- ALL 4" ID CONDUIT WILL BE SCHEDULE 40 (E.G.: PVC OR GSP/ASPI), OR AS SPECIFIED.
- UNDERGROUND CONDUIT WILL BE PLACED AT 48" MINIMUM COVER UNLESS OTHERWISE SPECIFIED ON THE CONSTRUCTION DRAWINGS.

CLARIFICATION NOTES

- STATION
- LOCATION
- CLARIFICATION NO. AND MINIMUM COVER
- QUANTITY LINEAR FOOTAGE/SQUARE FOOTAGE, SIZE OF MANHOLE/HANDHOLE, SIZE OF PULL/SPICE BOX, DIMENSION OF WALL, HEIGHT/CLASS/TYPE OF POLE
- TYPICAL DRAWING NO. AND TYPICAL DETAIL DRAWING NUMBER
- PLANT ACCOUNTING CODE
- 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 HANDHOLE |
| | 246 | REPLACE/SUBSTITUTE HANDHOLE |
| | 247 | EXCAVATE SPICE PIT |
| | 250 | PLACE HANDHOLE |
| | 252 | REMOVE EXISTING MANHOLE |
| | 253 | RELOCATE RECAST MANHOLE |
| | 254 | RELOCATE/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/SPICE 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 | RELASH AERIAL CABLE |
| | 527 | REMOVE AERIAL CABLE |
| | 528 | REMOVE AERIAL CABLE |
| | 530 | PLACE POLE/PUSH BRACE |
| | 535 | REMOVE POLE/PUSH BRACE |
| 600 | 610 | JETTING CONDUIT |
| | 620 | EMBEDMENT FLOW |
| | 630 | DIRECTIONAL BORE |
| 700 | 710 | PLACE BURIED CABLE MARKERS AND SIGNS/JANCOM |
| | 711 | WATER CROSSING SIGNS |
| | 712 | PLACE ISOLATOR/PROTECTION SYSTEM AT EXISTING HANDHOLES/MANHOLES |
| | 713 | REMOVE BURIED CABLE MARKER POST/HARDWARE |
| | 714 | REMOVE CONCRETE BURIED CABLE MARKER POST |



PROJECT: R400794024

RCUP FM 1093 WESTPARK

EXTENSION PHASE II

FULSHEAR, TX

ACCESS TRANSMISSION SERVICES CORPORATION

MCI Metro

DATE: 06/27/17

ENGINEER: JEFF BUEHLER

DRAWN BY: G.F.S.

OUTSIDE PLANT CONSTRUCTION

TITLE: FIBER OPTIC ROUTE

RCUP FM 1093 WESTPARK EXTENSION PHASE II

FULSHEAR, TX

REVISIONS

DATE

DESCRIPTION

INITIAL

VERTICAL: N/A

HORIZONTAL: N/A

SCALE

MP N/A TO MP N/A

SHEET 04 OF 43

FILE: R40079-2401004AC.R&U

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.

[illegible]

PROJECT: R40073-024
RCUP FM 1093 WESTPARK
EXTENSION PHASE II
FULSHEAR, TX

[illegible]

ACCESS TRANSMISSION SERVICES CORPORATION	MCmetto	OUTSIDE PLANT CONSTRUCTION	TITLE: FIBER OPTIC ROUTE	RCUP FM 1093 WESTPARK EXTENSION PHASE II	FULSHEAR, TX
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DATE: 06/27/17
ENGINEER: JEFF BUEHLER
DRAWN BY: G.F.S.

REVISIONS

DATE	DESCRIPTION	INITIAL

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SCALE

HORIZONTAL: N/A

VERTICAL: N/A

MP N/A TO MP N/A

SHEET 04B OF 43

FILE:R40073-2401004AC.R&U

SYMBOLS KEY

BURIED CABLE	EXISTING	PROPOSED	STEEL MARKER AND SIGN-(A)	EXISTING	PROPOSED
AERIAL CABLE	A	A	ALUMINUM "HUB"-STYLE MARKER-(B)	STA MGR #	STA MGR #
SUBMARINE CABLE	SUBM	SUBM	FLAT MARKER-(C)	STA MGR #	STA MGR #
FOGWIRE CABLE	FOGW	FOGW	TUBULAR MARKER-(D)	STA MGR #	STA MGR #
DIRECT BURIED HOPE	I	I	TUBULAR MARKER, & ISOLATOR PROTECTOR-(E)	STA MGR #	STA MGR #
PVC OR SPLIT PVC CONDUIT			NOTE:		
BSP/GSP OR SPLIT BSP/GSP CONDUIT			DASHED = NOT FOUND IN FIELD		
STEEL CASING			PERMIT TRACKING FORM IDENTIFIER		
REMOVE AND RESTORE ASPHALT OR CONCRETE (WIDTH AS INDICATED)			ROCK PROBE (DEPTH AS INDICATED)		
CORE BORE			UTILITY COVER DEPTH		
JACK AND BORE			HANDHOLE, MANHOLE OR PULLBOX		
DIRECTIONAL BORE			POLE		
FUTURE CABLE			ANCHOR ONLY		
REMOVE CABLE			GUY ONLY		
TO BE REMOVED OR ABANDONED (SHOWN FOR HDPE)			OVERHEAD GUY (ARROW IN DIRECTION OF PULL)		
AERIAL UTILITY (ELECTRIC)			ANCHOR AND GUY		
UNDERGROUND UTILITY (TELEPHONE)			SIDEWALK ANCHOR AND GUY		
MAIN TRACKS			FOREIGN ANCHOR AND GUY		
AUXILIARY TRACKS			PUSH BRACE (EXISTING POLE)		
CENTERLINE			ACCOUNT CODE CHANGE (BURIED TO AERIAL)		
RIGHT-OF-WAY			BOND AND GROUND		
EDGE OF PAVEMENT			CULVERT (SIZE AS INDICATED)		
SIDEWALK			BRIDGE		
DITCH LINE			WATER METER		
TAX DISTRICT			GAS VALVE		
CITY, COUNTY OR STATE BOUNDARY LINE			FIRE HYDRANT		
PROPERTY LINE			RAILROAD SIGNAL CONTROL BOX		
FENCE LINE			CAUTION NOTE		
GUARDRAIL					
TOP OF SLOPE					
TOE OF SLOPE					

PROJECT: R40073-024

RCUP FM 1093 WESTPARK

EXTENSION PHASE II

FULSHEAR, TX

DATE: 06/27/17

ENGINEER: JEFF BUEHLER

DRAWN BY: G.F.S.

REVISIONS

DATE DESCRIPTION INITIAL

MCimetro

ACCESS TRANSMISSION SERVICES CORPORATION

OUTSIDE PLANT CONSTRUCTION

TITLE: FIBER OPTIC ROUTE

RCUP FM 1093 WESTPARK EXTENSION PHASE II

FULSHEAR, TX

SCALE

HORIZONTAL: N/A

VERTICAL: N/A

MP N/A TO MP N/A

SHEET 05 OF 43

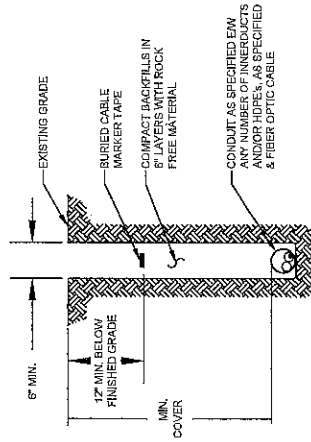
FILE: R40073-2401005AC.B&U

CONSTRUCTION DETAILS



PROJECT: 8400734024
RCUP FM 1093 WESTPARK
EXTENSION PHASE II
FULSHEAR, TX

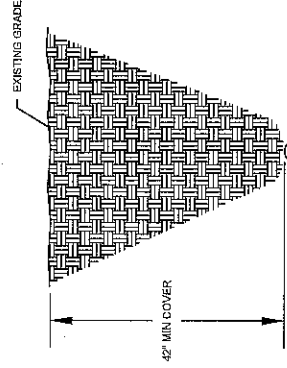
TYPICAL DETAIL "A"
TRENCH & PLACE CONDUIT



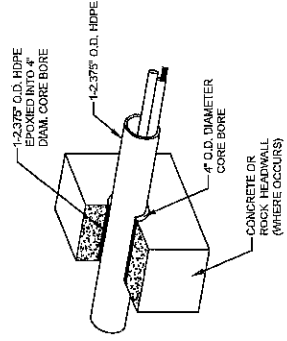
TYPICAL DETAIL "B"
CROSS SECTION OF PROPOSED HDPE



TYPICAL DETAIL "C"
DIRECTIONAL BORE CROSS SECTION
FOR CONDUIT



TYPICAL DETAIL "D"
4" CORE BORE



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

Access Transmission Services Corporation
McMethro
TITLE: FIBER OPTIC ROUTE
RCUP FM 1093 WESTPARK EXTENSION PHASE II
FULSHEAR, TX

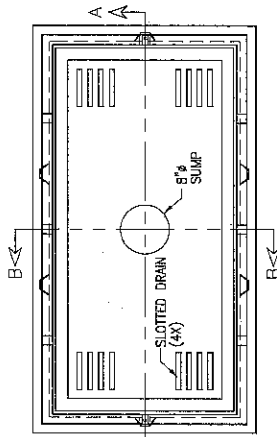
DATE: 04/27/17
ENGINEER: JEFF BURNIER
DRAWN BY: G.F.S.
REVISIONS
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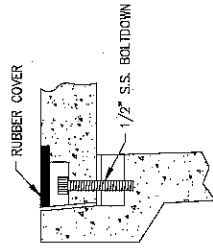
SCALE
HORIZONTAL: N/A
VERTICAL: N/A
MP: N/A TO MP: N/A
SHEET: 06 OF 43
FILE: 8400734024006AC.R&U

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

DETAIL "A"
LOCKING DEVICE
CROSS SECTION

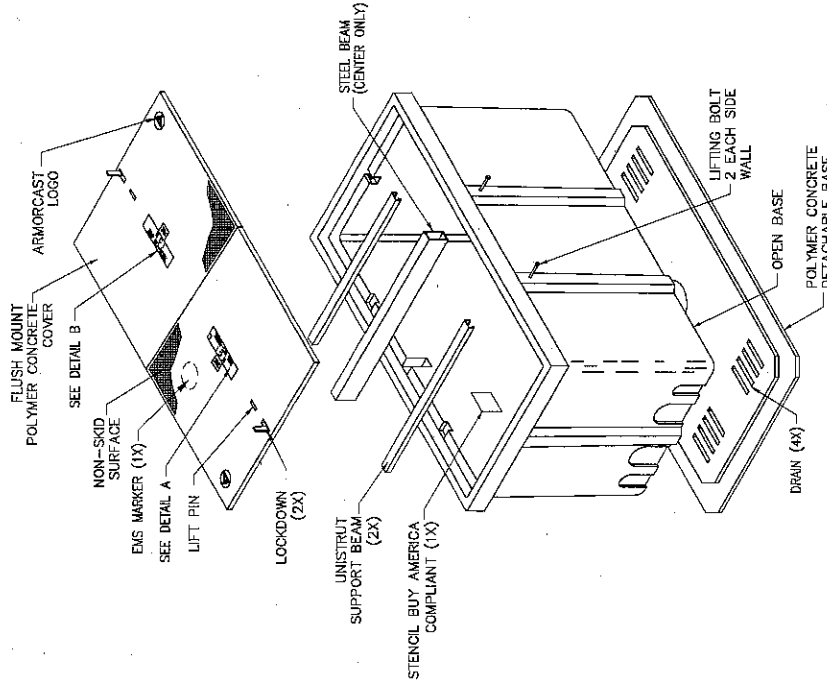


DETAIL "B"
FLUSH MOUNT
COVER DETAIL



FLUSH MOUNT COVER DETAIL

DETAIL "C"
EXPLODED ISOMETRIC DETAIL



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

SEALED PLASTIC BAG PLACED INSIDE VAULT TO CONTAIN

ITEM	QTY
1	(1)
2	(2)
3	

JOHNNY LOCK KEY
S.S. JOHNNY BOLTS W/FLAT WASHER.
SHRINK WRAP COVERS TO FRAME FOR PACKAGING.

30K	M C	800	MCI-WORK	DETAIL A
30K	M C	800	MCI-WORK	DETAIL B

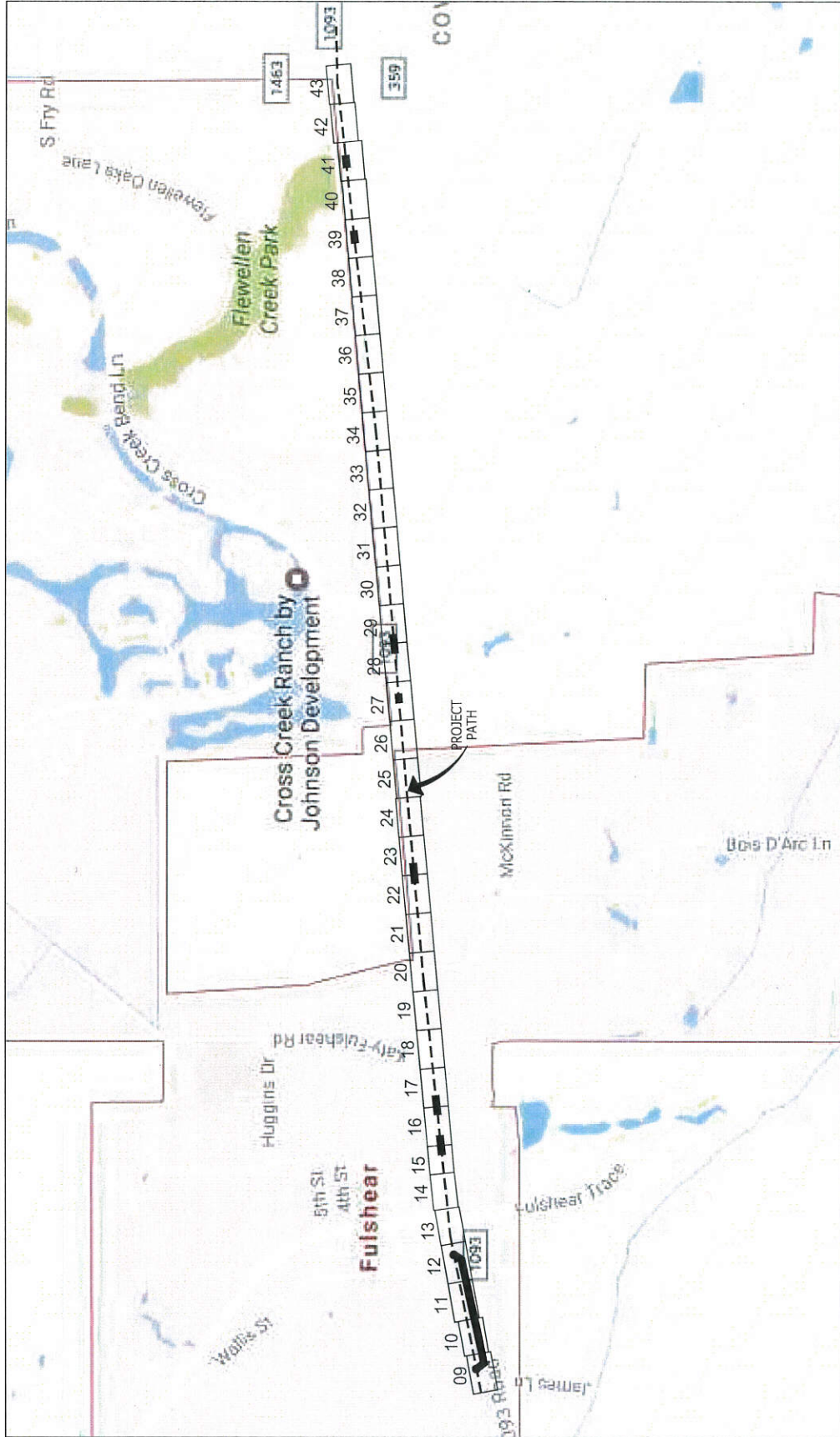
MCI metro		ACCESS TRANSMISSION SERVICES CORPORATION	
OUTSIDE PLANT CONSTRUCTION		TITLE: FIBER OPTIC ROUTE	
RCUP FMA 1093 WESTPARK EXTENSION PHASE II		FLUSHGEAR, TX	
DATE: 06/27/17	ENGINEER: JEFF BIEHLER	DRAWN BY: G.E.S.	
REVISIONS		DATE DESCRIPTION INITIAL	
SCALE		HORIZONTAL: N/A	
VERTICAL: N/A		MP: N/A TO MP: N/A	
SHEET 07 OF 43		FILE: R40073-240 1007AC.R&U	

INDEX SHEET

FULSHEAR, TX
FORT BEND COUNTY



PROJECT: R40073-024
RCUP FM 1093 WESTPARK
EXTENSION PHASE II
FULSHEAR, TX



ACCESS TRANSMISSION SERVICES CORPORATION
MClmetro
OUTSIDE PLANT CONSTRUCTION
TITLE: FIBER OPTIC ROUTE
RCUP FM 1093 WESTPARK EXTENSION PHASE II
FULSHEAR, TX

DATE: 04/27/17
ENGINEER: JEFF BUEHLER
DRAWN BY: G.F.S.
REVISIONS

DATE	DESCRIPTION	INITIAL

SCALE
HORIZONTAL: N/A
VERTICAL: N/A
MP N/A TO MP N/A
SHEET 08 OF 43
FILE: R40073-2401008AC.R&U

DESIGN AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE AASHTO MANUAL OF PRACTICES FOR THE DESIGN AND CONSTRUCTION OF FIBER OPTIC CABLES AND THE AASHTO MANUAL OF PRACTICES FOR THE DESIGN AND CONSTRUCTION OF FIBER OPTIC CABLES. THE DESIGNER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND RIGHTS-OF-WAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND RIGHTS-OF-WAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND RIGHTS-OF-WAY.

FULSHEAR, TX
FORT BEND COUNTY

114+70N	114+70N	114+70N	114+70N	114+70N
1	2	3	4	5
215	240	410	410	420
2	1	304	404	304
404	404	404	224	304

EXPOSE & INTERCEPT
EXIST. 1-2" HDPE

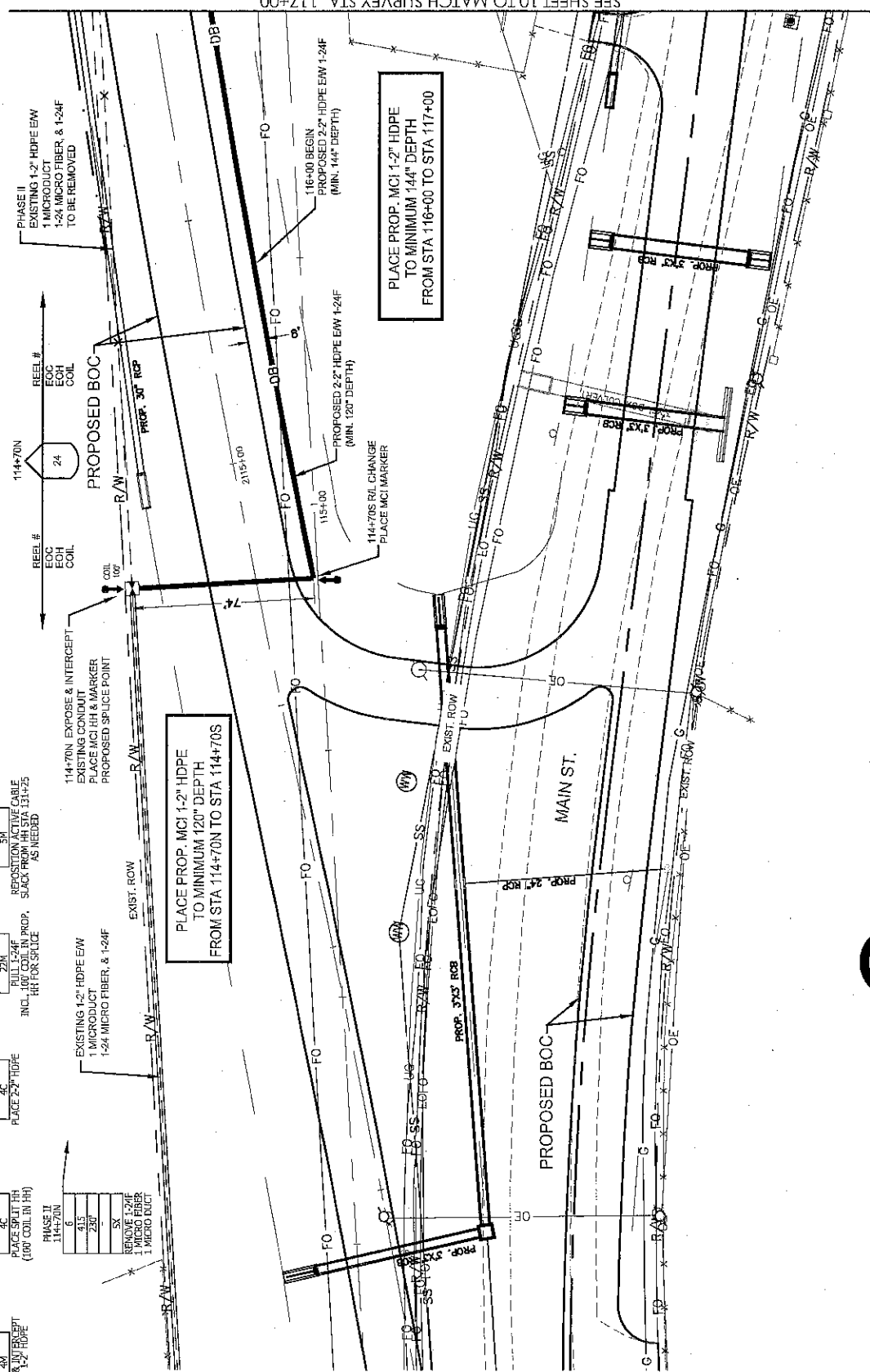
PLACE SPLIT HR
(100' COIL IN HR)

REMOVE 1-2" HDPE
1 MICRO FIBER
1 MICRO RCT

EXISTING 1-2" HDPE E/W
1 MICRODUCT
1-24 MICRO FIBER, & 1-24F

INCL. 100' COIL IN PROP.
SLACK FROM HH STA 134+25
AS NEEDED

REPOSITION ACTIVE CABLE
RR FOR SPLICING



PLACE PROP. MCI 1-2" HDPE
TO MINIMUM 120" DEPTH
FROM STA 114+70N TO STA 114+70S

PLACE PROP. MCI 1-2" HDPE
TO MINIMUM 144" DEPTH
FROM STA 116+00 TO STA 117+00



PROJECT:	R-0073-024
RCUP FM 1093 WESTPARK	
EXTENSION PHASE II	
FULSHEAR, TX	
215	5
240	1
410	404
415	297
420	107
630	304
710	2

SEE SHEET 10 TO MATCH SURVEY STA. 117+00

Access Transmission Services Corporation	
McIntire	
OUTSIDE PLANT CONSTRUCTION	
TITLE: FIBER OPTIC ROUTE	
RCUP FM 1093 WESTPARK EXTENSION PHASE II	
FULSHEAR, TX	

DATE: 06/27/17		
ENGINEER: JEFF BUEHLER		
DRAWN BY: G.F.S.		
REVISIONS		
DATE	DESCRIPTION	INITIAL

EXCEPT AS MAY BE OTHERWISE PROVIDED BY CONTRACT, THESE DRAWINGS AND SPECIFICATIONS SHALL REMAIN THE PROPERTY OF MCH COMMUNICATIONS SERVICES INC. NOTHING ISSUED IN STRICT CONFIDENCE AND SHALL NOT BE REPRODUCED, COPIED, OR USED FOR ANY PURPOSE WITHOUT SPECIFIC WRITTEN PERMISSION.	SCALE
--	-------



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 UTILITIES BEFORE CONSTRUCTION AND TO BE RESPONSIBLE FOR ANY DAMAGE TO UTILITIES INCURRED AS THE RESULT OF CONSTRUCTION.

CALL BEFORE YOU DIG
1-800-565-6005
72 HOURS NOTICE REQUIRED



PROJECT: R400734024
RCUP FM 1093 WESTPARK
EXTENSION PHASE II
FULSHEAR, TX

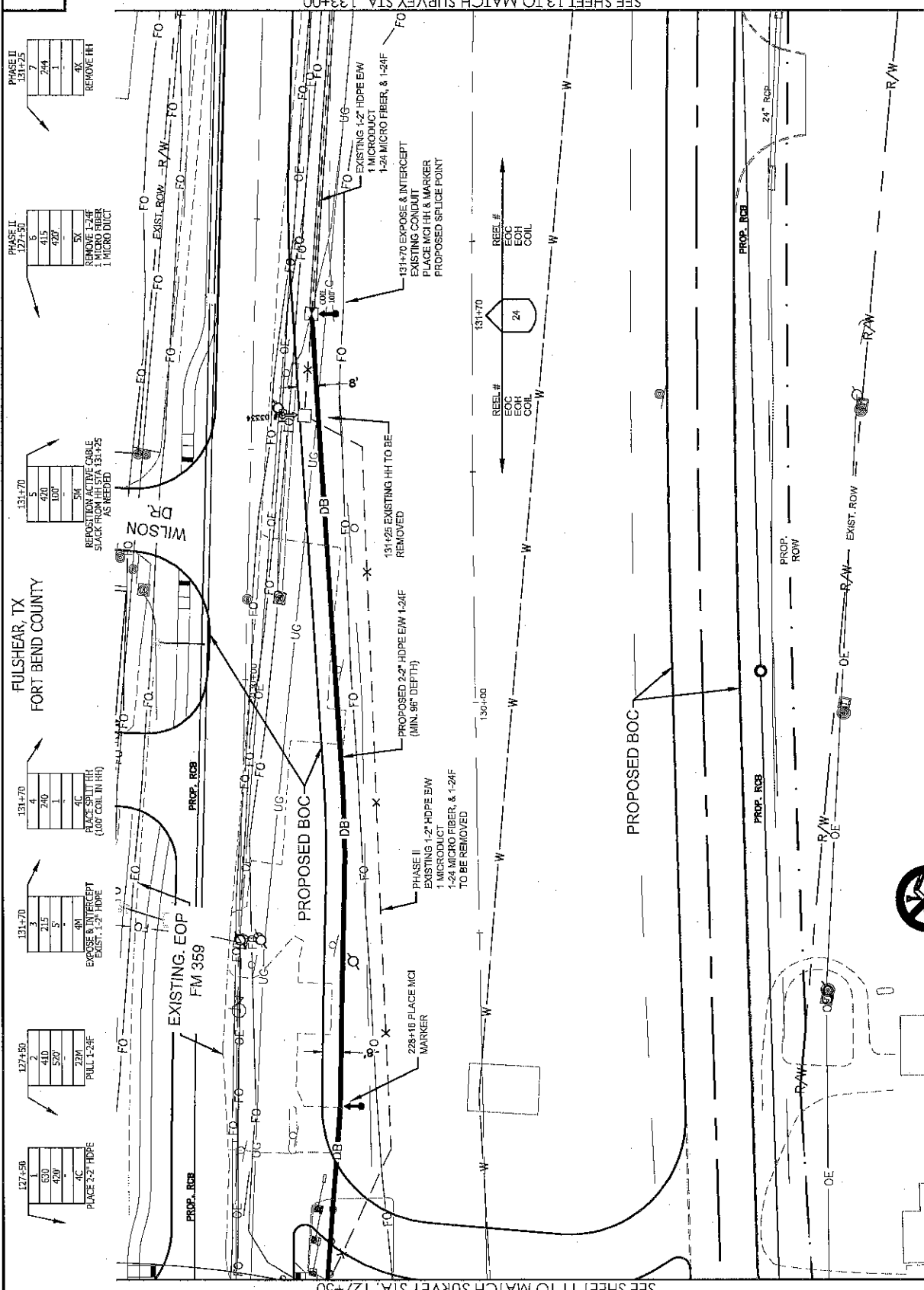
215	5
240	1
244	1
410	527
415	427
420	1007
630	427
710	2

Access Transmission Services Corporation
McMetro
TITLE: FIBER OPTIC ROUTE
RCUP FM 1093 WESTPARK EXTENSION PHASE II
FULSHEAR, TX

DATE: 04/27/17
ENGINEER: JEFF BUNIER
DRAWN BY: G.F.S.
REVISIONS
DATE DESCRIPTION INITIAL

SCALE
HORIZONTAL: 1" = 40'
VERTICAL: 1" = 10'

MP _N/A_ TO MP _N/A_
SHEET 12 OF 43
FILE: R400734010724C.R&U



SEE SHEET 11 TO MATCH SURVEY STA. 127+50
SEE SHEET 13 TO MATCH SURVEY STA. 133+00

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



CALL BEFORE YOU DIG
1-800-4-A-S-6005
72 HOURS NOTICE REQUIRED

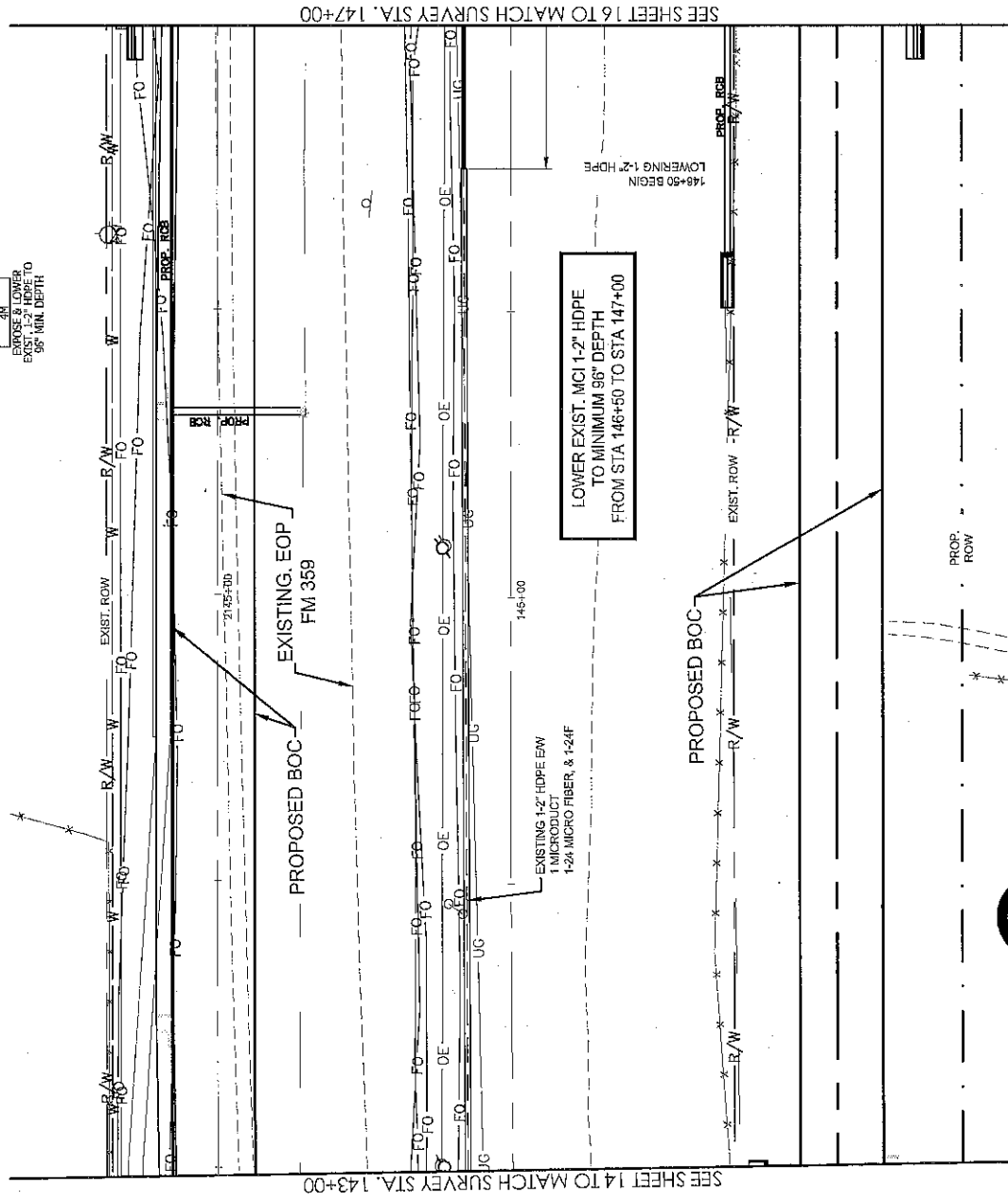
FULSHEAR, TX
FORT BEND COUNTY



PROJECT: R40073-024
RCUP FM 1093 WESTPARK
EXTENSION PHASE II
FULSHEAR, TX
216
307

1	216	307	4W
146+50			

EXPOSE & LOWER
EXIST. 1-2" HDPE TO
96" MIN. DEPTH



SEE SHEET 14 TO MATCH SURVEY STA. 143+00

SEE SHEET 16 TO MATCH SURVEY STA. 147+00

Access TRANSMISSION SERVICES CORPORATION
McIntire
OUTSIDE PLANT CONSTRUCTION
TITLE: FIBER OPTIC ROUTE
RCUP FM 1093 WESTPARK EXTENSION PHASE II
FULSHEAR, TX

DATE: 06/27/17
ENGINEER: JEFF RUEHLER
DRAWN BY: G.F.S.

REVISIONS

DATE DESCRIPTION INITIAL

SCALE
HORIZONTAL: 1" = 40'
VERTICAL: 1" = 10'

MP N/A TO MP N/A

SHEET 15 OF 43

FILE: R40073-2401015AC.R&U



CALL BEFORE YOU DIG
1-800-485-8089
72 HOURS NOTICE REQUIRED

***** NOTE *****
UNDERGROUND UTILITIES HAVE BEEN LOCATED FROM AVAILABLE RECORDS AND FIELD OBSERVATIONS BUT ARE NOT NECESSARILY EXACT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD LOCATE, ADEQUATELY MARK, AND PROTECT ALL UTILITIES. UTILITIES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.



FULSHEAR, TX
FORT BEND COUNTY



PROJECT: R40073-024

RCUP FM 1093 WESTPARK

EXTENSION PHASE II

FULSHEAR, TX

210 75

216 170

240 170

250 170

260 170

280 170

300 170

310 170

320 170

330 170

350 170

360 170

380 170

390 170

400 170

410 170

420 170

430 170

440 170

450 170

460 170

470 170

480 170

490 170

500 170

510 170

520 170

530 170

540 170

550 170

560 170

570 170

580 170

590 170

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660 170

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720 170

730 170

740 170

750 170

760 170

770 170

780 170

790 170

800 170

810 170

820 170

LOWER EXIST. MCI 1-2" HDPE
TO MINIMUM 96" DEPTH
PLACE 1-4" SPLIT STEEL
FROM STA 147+10 TO STA 147+85

147+00

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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147+85

PLACE 1-4" SPLIT STEEL
W/ CONCRETE CAP
OVER EXIST. 1-2" CONDUIT
96" MIN. DEPTH

152+30

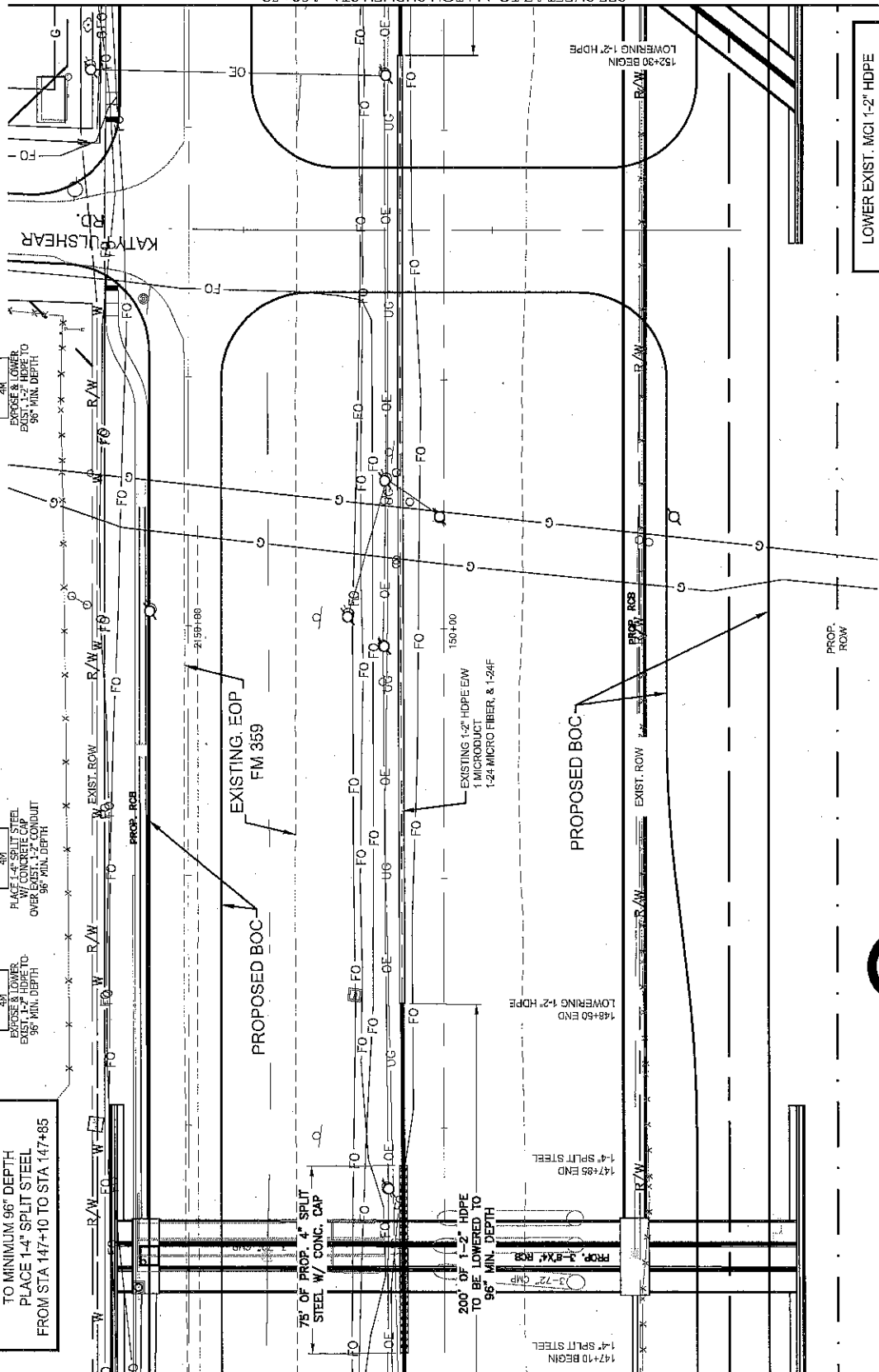
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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152+90

EXPOSE & LOWER
EXIST. 1-2" HDPE TO
96" MIN. DEPTH

SEE SHEET 15 TO MATCH SURVEY STA. 147+00

SEE SHEET 17 TO MATCH SURVEY STA. 152+50



LOWER EXIST. MCI 1-2" HDPE
TO MINIMUM 96" DEPTH
FROM STA 152+30 TO STA 152+50



UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND
FIELD OBSERVATIONS BUT ARE NOT NECESSARILY EXACT. IT IS THE CONTRACTOR'S
RESPONSIBILITY TO VERIFY THE LOCATION, DEPTH, AND CONDITION OF ALL UTILITIES
PRIOR TO CONSTRUCTION. COMPLETE REPAIR OF ANY AND ALL DAMAGES
INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.

CALL BEFORE YOU DIG
1-800-4-A-DIG
72 HOURS NOTICE REQUIRED

McMistro
ACCESS TRANSMISSION SERVICES CORPORATION

OUTSIDE PLANT CONSTRUCTION
TITLE: FIBER OPTIC ROUTE
RCUP FM 1093 WESTPARK EXTENSION PHASE II
FULSHEAR, TX

DATE: 06/27/17
ENGINEER: JEFF BUEHLER
DRAWN BY: C.F.S.
REVISIONS
DATE DESCRIPTION INITIAL

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

MP N/A TO MP N/A

SHEET 16 OF 43

FILE: R40073-2401016AC.RAU



FULSHEAR, TX
FORT BEND COUNTY

LOWER EXIST. MCI 1-2" HDPE
TO MINIMUM 96" DEPTH
FROM STA 152+50 TO STA 154+30
PLACE 1-4" SPLIT STEEL
FROM STA 152+90 TO STA 153+80

152+50
2
210
150
4W
PLACE 1-4" SPLIT STEEL
W/ CONCRETE CAP
OVER EXIST. 1-2" HDPE
96" MIN. DEPTH

154+30
216
150
4W
EXPOSE & LOWER
EXIST. 1-2" HDPE TO
96" MIN. DEPTH



PROJECT: R40073-024
RCUP FM 1093 WESTPARK
EXTENSION PHASE II
FULSHEAR, TX

210
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FULSHEAR, TX
FORT BEND COUNTY

LOWER EXIST. MCI 1-2" HDPE
TO MINIMUM 96" DEPTH
FROM STA 152+50 TO STA 154+30
PLACE 1-4" SPLIT STEEL
FROM STA 152+90 TO STA 153+80

152+50
2
210
150
4W
PLACE 1-4" SPLIT STEEL
W/ CONCRETE CAP
OVER EXIST. 1-2" HDPE
96" MIN. DEPTH

154+30
216
150
4W
EXPOSE & LOWER
EXIST. 1-2" HDPE TO
96" MIN. DEPTH



PROJECT: R40073-024
RCUP FM 1093 WESTPARK
EXTENSION PHASE II
FULSHEAR, TX

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FULSHEAR, TX
FORT BEND COUNTY

LOWER EXIST. MCI 1-2" HDPE
TO MINIMUM 96" DEPTH
FROM STA 152+50 TO STA 154+30
PLACE 1-4" SPLIT STEEL
FROM STA 152+90 TO STA 153+80

152+50
2
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150
4W
PLACE 1-4" SPLIT STEEL
W/ CONCRETE CAP
OVER EXIST. 1-2" HDPE
96" MIN. DEPTH

154+30
216
150
4W
EXPOSE & LOWER
EXIST. 1-2" HDPE TO
96" MIN. DEPTH



PROJECT: R40073-024
RCUP FM 1093 WESTPARK
EXTENSION PHASE II
FULSHEAR, TX

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FULSHEAR, TX
FORT BEND COUNTY



PROJECT: R40073-024

RCUP FM 1093 WEST PARK
EXTENSION PHASE II
FULSHEAR, TX

FULTON, TX

1

McMetro	ACCESS TRANSMISSION SERVICES CORPORATION
OUTSIDE PLANT CONSTRUCTION	
TITLE: FIBER OPTIC ROUTE	
RCUP FM 1093 WESTPARK EXTENSION PHASE II	FULSHEAR, TX

DATE: 06/27/17
ENGINEER: JEFF BUEHLER
DRAWN BY: G.F.S.

DATE	REVISIONS	REVISIONS

DATE	DESCRIPTION	INITIAL

[illegible]

EXCEPT AS MAY BE OTHERWISE PROVIDED BY CONTRACT, THESE OR A SERVICE AND, THEREFOR, A SERVICE CONTRACT.

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SCALE

HORIZONTAL: 1" = 40'

VERTICAL: 1" = 10'

MP N/A TO MP N/A

SHEET 18 OF 43

FILE: N400737401010AAC.N600

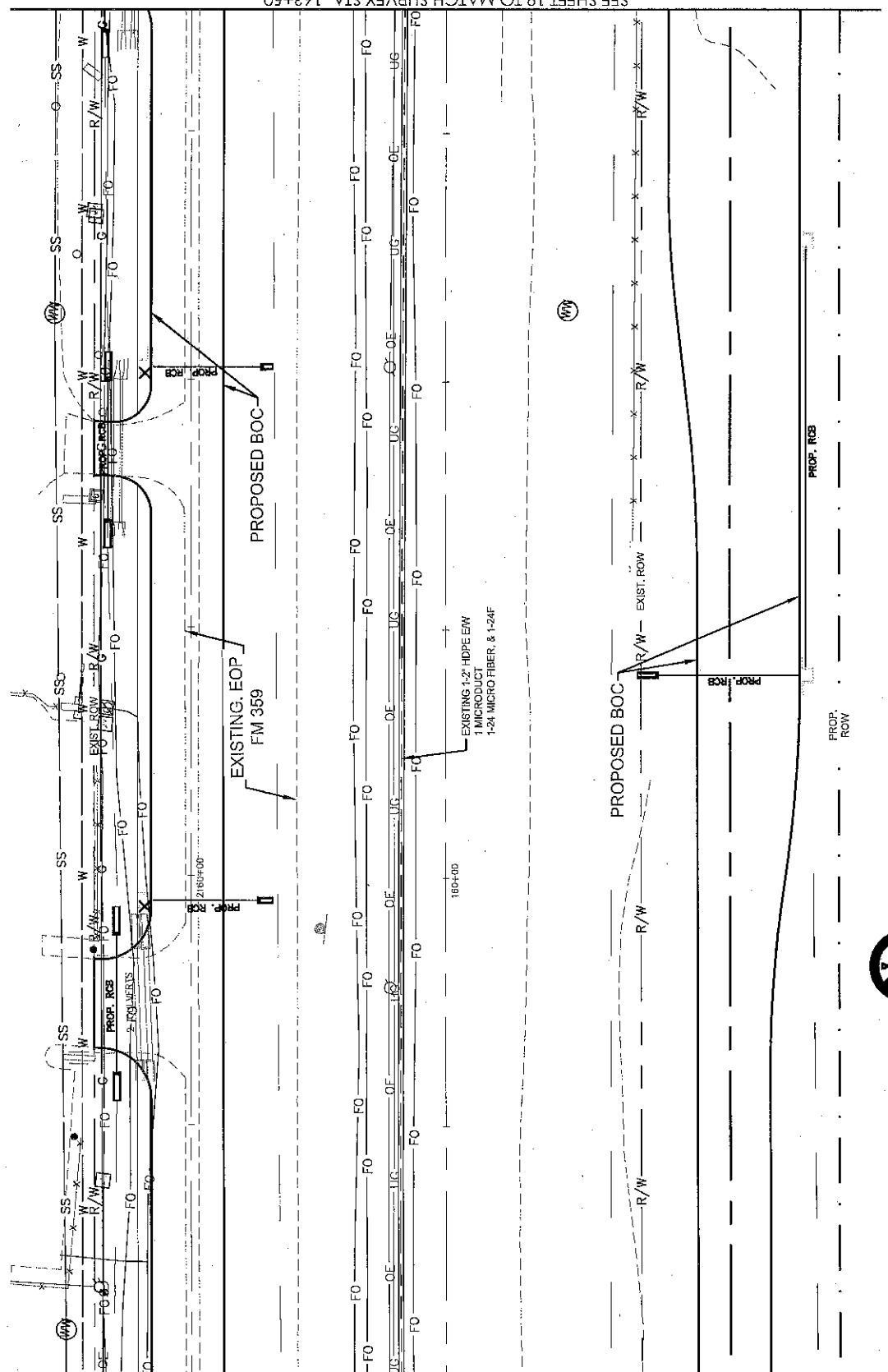


UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND FIELD OBSERVATIONS BUT ARE NOT NECESSARILY EXACT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES PRIOR TO CONSTRUCTION. COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE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

CALL BEFORE YOU DIG
1-800-545-6025
22 HOURS NOTICE REQUIRED

SEE SHEET 19 TO MATCH SURVEY STA. 163+50

SEE SHEET 17 TO MATCH SURVEY STA. 158+00





PROJECT: R-073-024
RCUP FM 1093 WESTPARK
EXTENSION PHASE II
FULSHEAR, TX

McIntro
ACCESS TRANSMISSION SERVICES CORPORATION
OUTSIDE PLANT CONSTRUCTION
TITLE: FIBER OPTIC ROUTE
RCUP FM 1093 WESTPARK EXTENSION PHASE II
FULSHEAR, TX

DATE: 06/27/17
ENGINEER: JEFF BUEHLER
DRAWN BY: G.F.S.

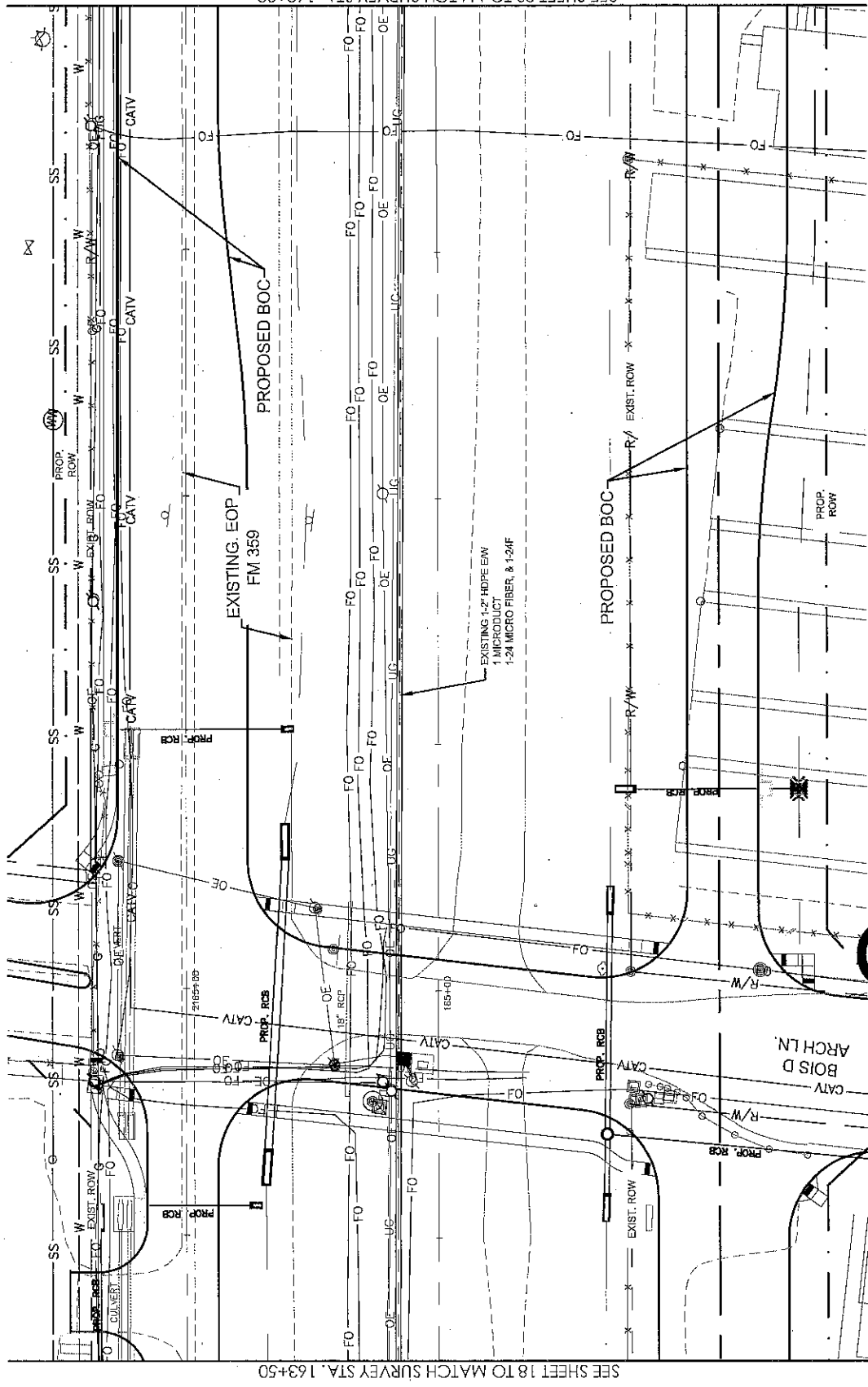
REVISIONS		
DATE	DESCRIPTION	INITIAL

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SCALE
HORIZONTAL: 1" = 40'
VERTICAL: 1" = 10'
MP N/A TO MP N/A
SHEET 19 OF 43
FILE: R40073-2401019AC.R&U

FULSHEAR, TX
FORT BEND COUNTY

SHEET FOR REFERENCE ONLY



SEE SHEET 18 TO MATCH SURVEY STA. 163+50

SEE SHEET 20 TO MATCH SURVEY STA. 169+00



NOTE:
UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND FIELD OBSERVATIONS BUT ARE NOT NECESSARILY EXACT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO CONSTRUCTION. COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.

CALL BEFORE YOU DIG
72 HOURS NOTICE REQUIRED



PROJECT: R40073-024

RCUP FM 1093 WESTPARK

EXTENSION PHASE II

FULSHEAR, TX

210 37

215A 1

216 137

420 107



FULSHEAR, TX
FORT BEND COUNTY

182+50

1	215A	1
2	216	137
3	420	107
4	210	37
5	215A	1

EXPOSE BURIED HH

184+00

2	216	137
3	420	107
4	210	37
5	215A	1

EXPOSE & LOWER
EXIST. 1-2" HDPE TO
96" MIN. DEPTH

184+60

3	210	37
4	215A	1
5	420	107

PLACE 1-4" SPLIT STEEL
W/ CONCRETE CAP
OVER EXIST. 1-2" CONDUIT

182+50

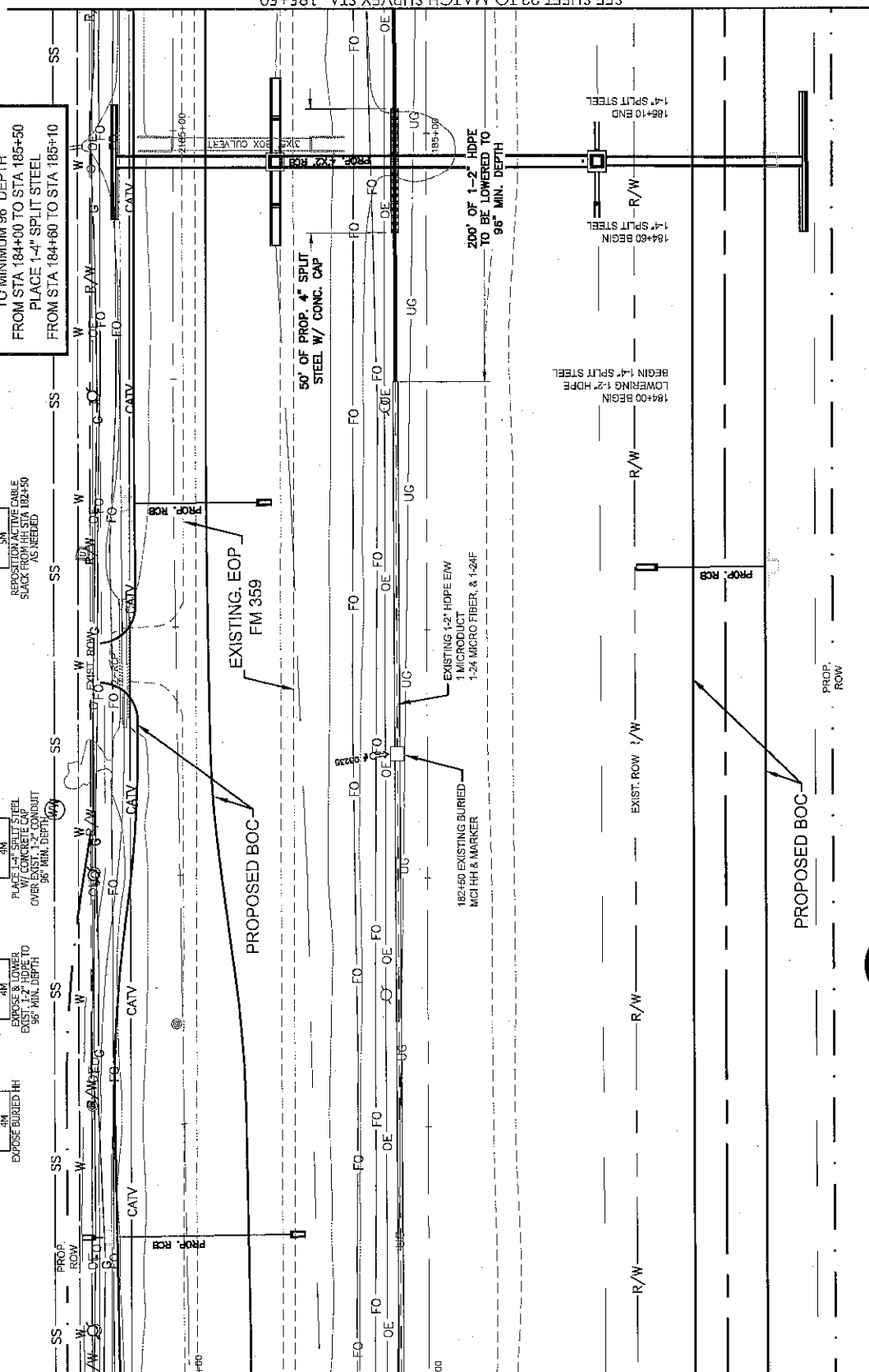
1	215A	1
2	216	137
3	420	107
4	210	37
5	215A	1

REPOSITION ACTIVE CABLE
SLACK FROM HH STA 182+50
AS NEEDED

LOWER EXIST. MCI 1-2" HDPE
TO MINIMUM 96" DEPTH
FROM STA 184+00 TO STA 185+50
PLACE 1-4" SPLIT STEEL
FROM STA 184+60 TO STA 185+10

SEE SHEET 21 TO MATCH SURVEY STA. 180+00

SEE SHEET 23 TO MATCH SURVEY STA. 185+50



McImetro
ACCESS TRANSMISSION SERVICES CORPORATION

OUTSIDE PLANT CONSTRUCTION
TITLE: FIBER OPTIC ROUTE
RCUP FM 1093 WESTPARK EXTENSION PHASE II
FULSHEAR, TX

DATE: 06/27/17

ENGINEER: JEFF BUEHLER

DRAWN BY: G.E.S.

REVISIONS

DATE DESCRIPTION INITIAL

DATE DESCRIPTION INITIAL

DATE DESCRIPTION INITIAL

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DATE DESCRIPTION INITIAL

DATE DESCRIPTION INITIAL



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 UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO UTILITIES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.

CALL BEFORE YOU DIG
1-800-545-8005
72 HOURS NOTICE REQUIRED

PROF. ROW

EXIST. ROW 1/2 W

R/W

184+00 BEGIN
LOWERING 1-2" HDPE
BEGIN 1-4" SPLIT STEEL

1-4" SPLIT STEEL
R/W

1-4" SPLIT STEEL
186+10 END

SCALE

HORIZONTAL: 1" = 40'

VERTICAL: 1" = 10'

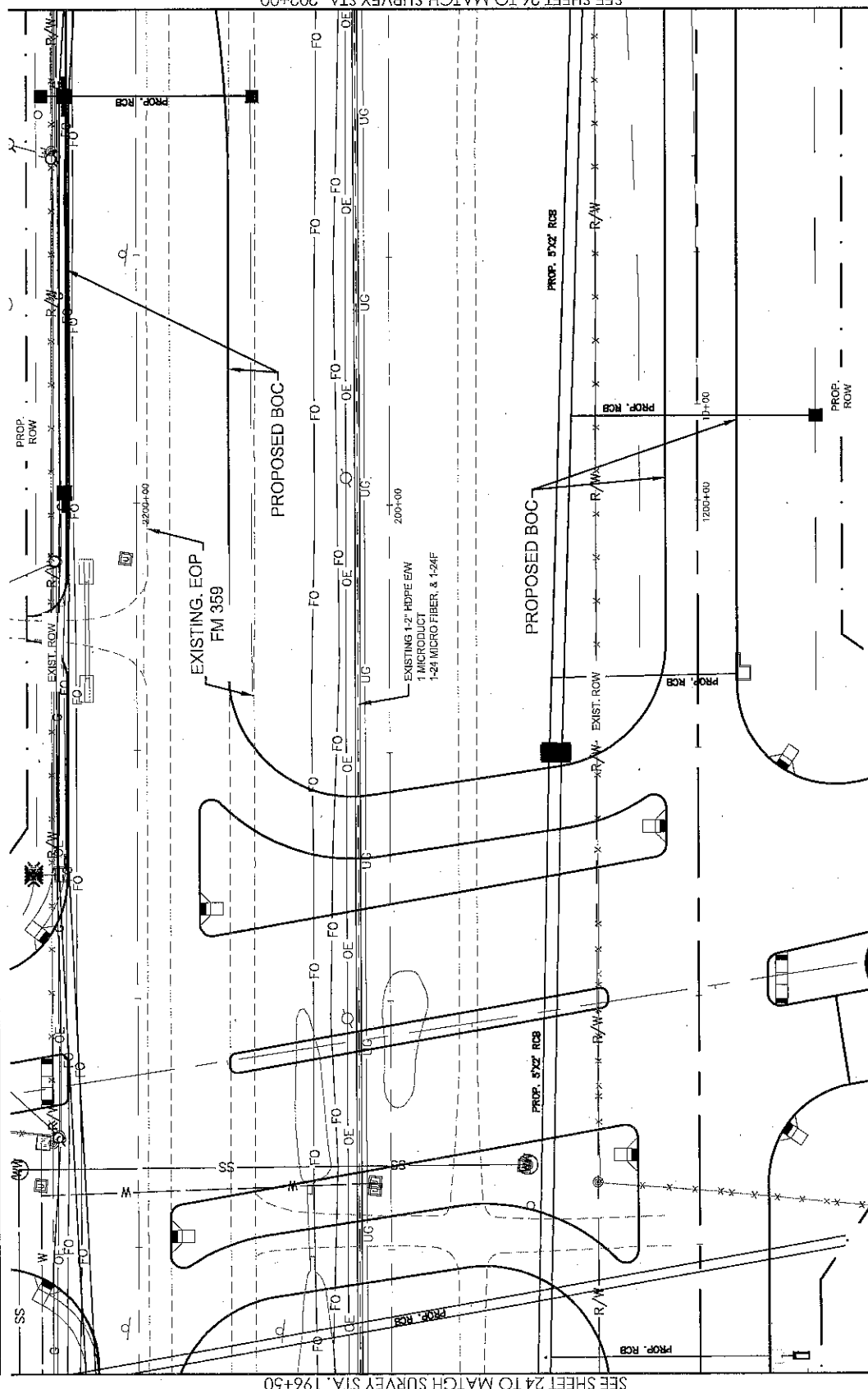
MP N/A TO MP N/A

SHEET 22 OF 43

FILE: R40073-2401022AC.R2U



SHEET FOR REFERENCE ONLY



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.

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

McMethro
ACCESS TRANSMISSION SERVICES CORPORATION
OUTSIDE PLANT CONSTRUCTION
TITLE: FIBER OPTIC ROUTE
RCUP FM 1093 WESTPARK EXTENSION PHASE II
FULSHEAR, TX

DATE: 06/27/17
ENGINEER: JEFF BUEHLER
DRAWN BY: G.F.S.

[illegible]

EXCEPT AS MAY BE OTHERWISE PROVIDED BY CONTRACT, THESE GRANTS 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" = 40'

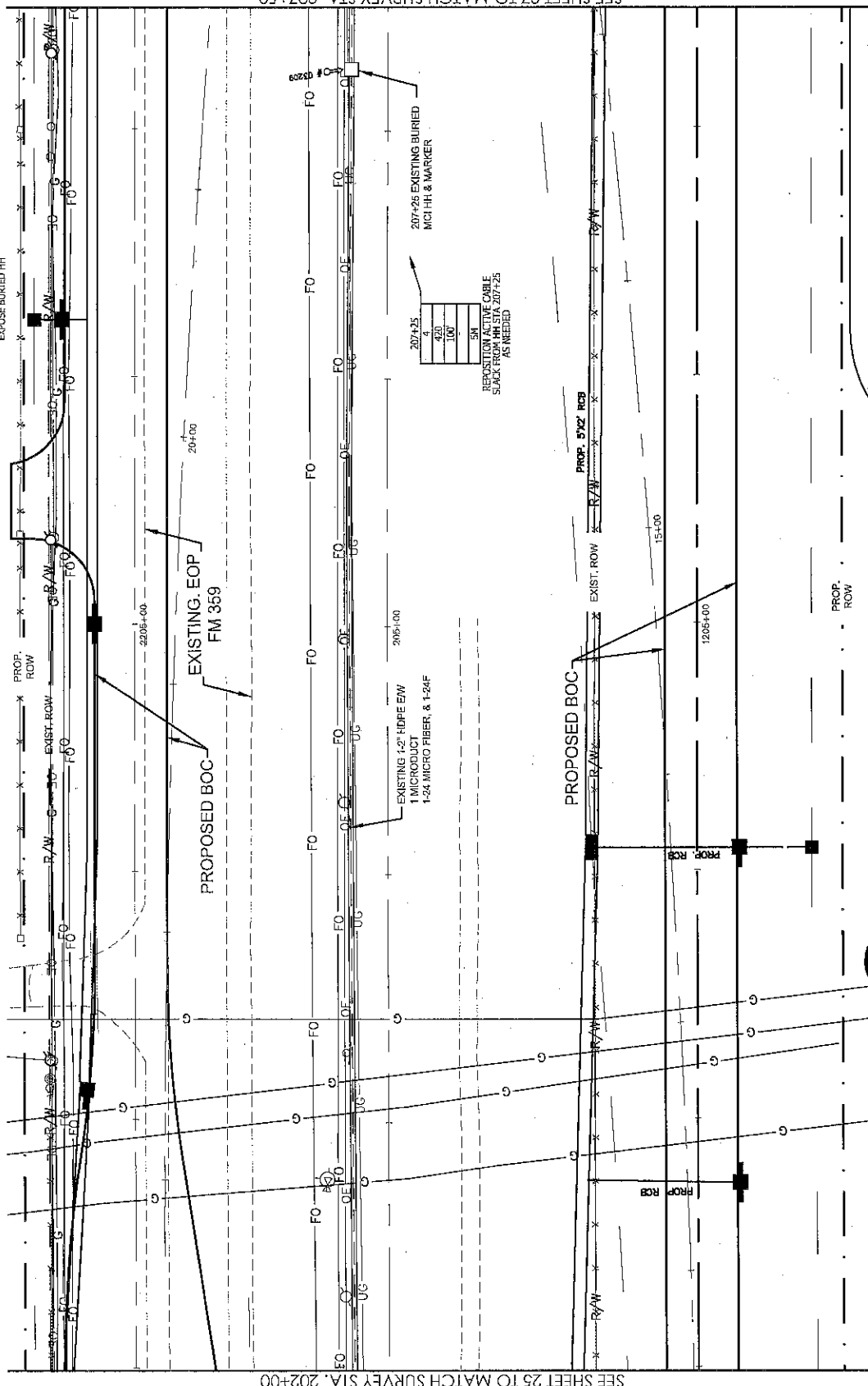
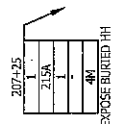
VERTICAL: 1" = 10'

MP	N/A	TO MP	N/A
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SHEET 25 OF 43

FILE: R40073-2401025AC.R&U

FULSHEAR, TX
FORT BEND COUNTY



SEE SHEET 25 TO MATCH SURVEY STA. 202+00

SEE SHEET 27 TO MATCH SURVEY STA. 207+50

NOTE: UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND FIELD SURVEY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO CONSTRUCTION. COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.



CALL BEFORE YOU DIG
1-800-4-A-ROOTS
72 HOURS NOTICE REQUIRED

PROF. ROW

PROF. 5'X2' RCB

EXIST. ROW

PROF. ROW

PROF. ROW

PROF. ROW

PROF. ROW

McMetro	ACCESS TRANSMISSION SERVICES CORPORATION
OUTSIDE PLANT CONSTRUCTION	TITLE: FIBER OPTIC ROUTE
RCUP FM 1093 WESTPARK EXTENSION PHASE II	FULSHEAR, TX

DATE: 06/27/17	ENGINEER: JEFF BUEHLER
DRAWN BY: G.F.S.	REVISIONS
DATE	DESCRIPTION
DATE	DESCRIPTION

EXCEPT AS MAY BE OTHERWISE PROVIDED BY THE TERMS OF ANY AGREEMENT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO CONSTRUCTION. COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.

HORIZONTAL: 1" = 40'
VERTICAL: 1" = 10'
MP: N/A TO MP: N/A
SHEET 26 OF 43
FILE: R400735-240128AC.R20



PROJECT: R-400735-240

RCUP FM 1093 WESTPARK

EXTENSION PHASE II

FULSHEAR, TX

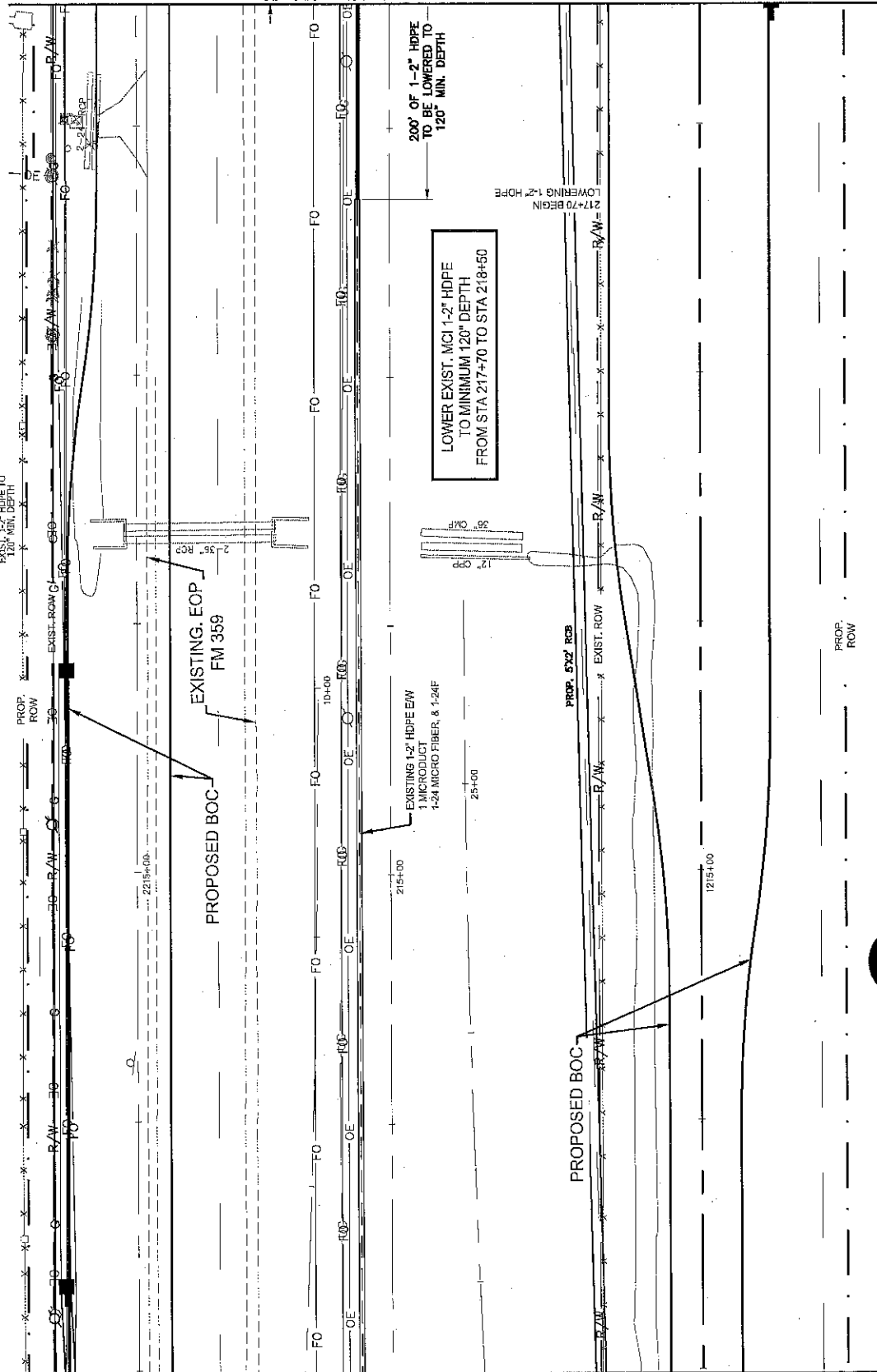
215A

400

100'

FULSHEAR, TX
FORT BEND COUNTY

217+70	1	216	100'	4"
PROPOSED LOWER EXIST. 1-2" HDPE TO 120" MIN. DEPTH				



SEE SHEET 27 TO MATCH SURVEY STA. 213+00

SEE SHEET 29 TO MATCH SURVEY STA. 218+50



NOR 01



PROJECT: R40073-024
RCUP FM 1093 WESTPARK
EXTENSION PHASE II
FULSHEAR, TX
216
100'

Access TRANSMISSION SERVICES CORPORATION
MCI Metro
OUTSIDE PLANT CONSTRUCTION
TITLE: FIBER OPTIC ROUTE
RCUP FM 1093 WESTPARK EXTENSION PHASE II
FULSHEAR, TX

DATE: 06/27/17
ENGINEER: JEFF BISHOP
DRAWN BY: G.E.S.

DATE	DESCRIPTION	INITIAL

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SCALE
HORIZONTAL: 1" = 40'
VERTICAL: 1" = 10'
MP: N/A TO MP: N/A
SHEET: 28 OF 43
FILE: R40073-024-028-AC-R&U



CALL BEFORE YOU DIG
1-800-565-6005
72 HOURS NOTICE REQUIRED

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 UTILITIES PRIOR TO ANY EXCAVATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.



FULSHEAR, TX
FORT BEND COUNTY

SHEET FOR REFERENCE ONLY



PROJECT: R40073-024

RCUP FM 1093 WESTPARK

EXTENSION PHASE II

FULSHEAR, TX

McMetro
ACCESS TRANSMISSION SERVICES CORPORATION
OUTSIDE PLANT CONSTRUCTION
TITLE: FIBER OPTIC ROUTE
RCUP FM 1093 WESTPARK EXTENSION PHASE II
FULSHEAR, TX

DATE: 06/27/17

ENGINEER: JEFF BUEHLER

DRAWN BY: G.F.S.

REVISIONS

DATE DESCRIPTION INITIAL



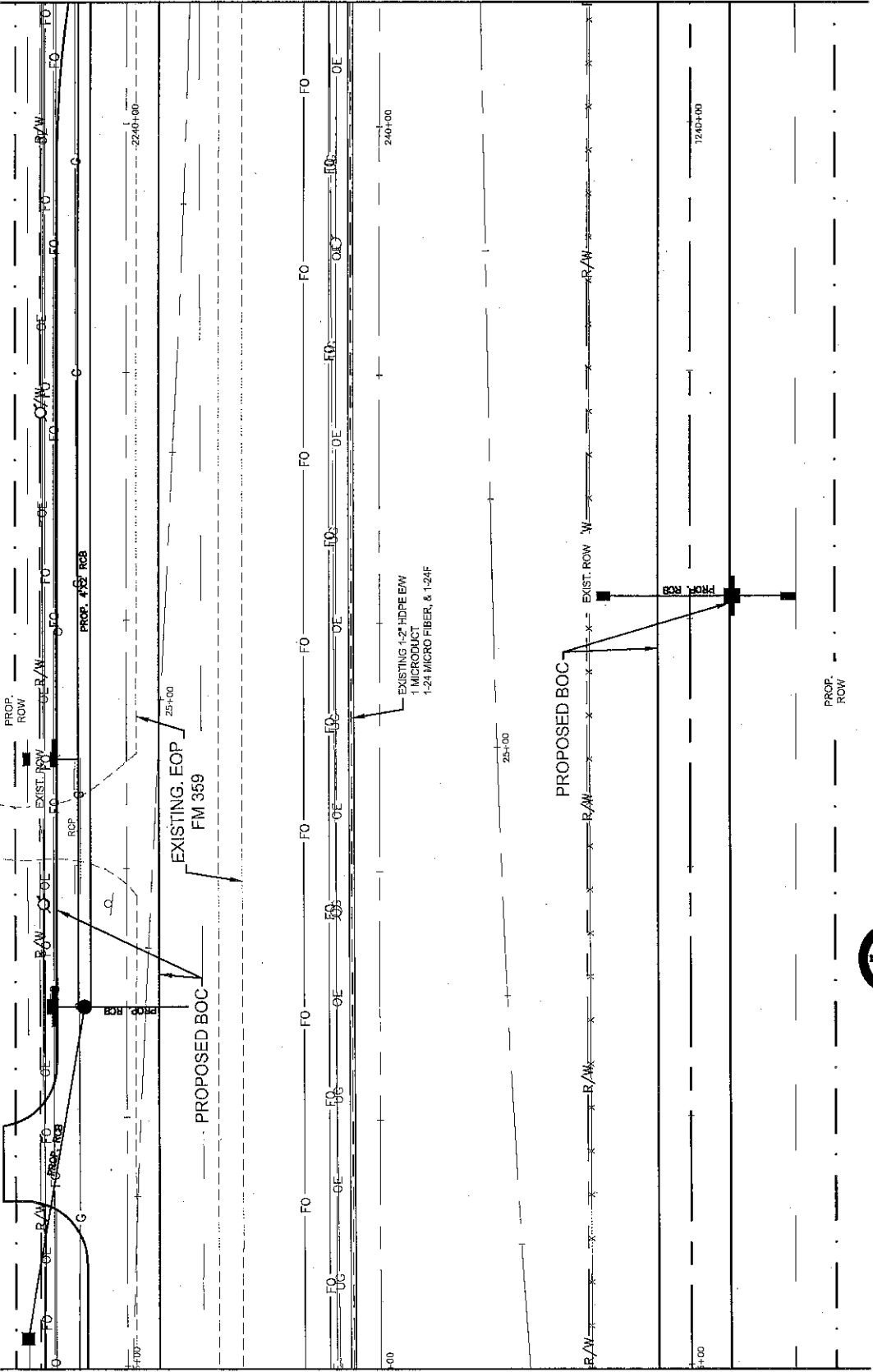
CALL BEFORE YOU DIG
1-800-4-A-ROOTS
72 HOURS NOTICE REQUIRED

UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND FIELD SURVEY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD LOCATE ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION. COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.

NOTE:

SEE SHEET 31 TO MATCH SURVEY STA. 235+00

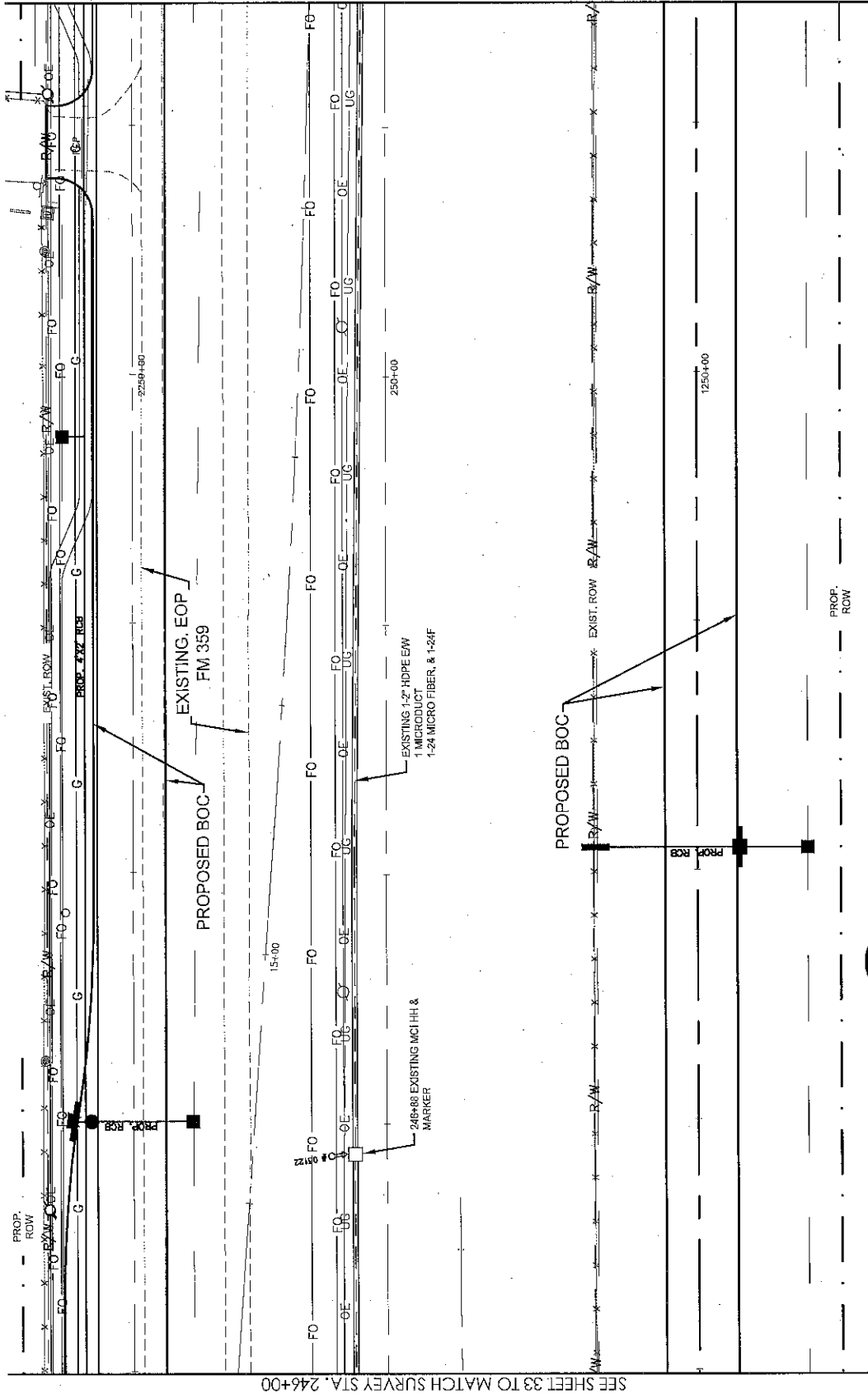
SEE SHEET 33 TO MATCH SURVEY STA. 240+50





FULSHEAR, TX
FORT BEND COUNTY

SHEET FOR REFERENCE ONLY



SEE SHEET 38 TO MATCH SURVEY STA. 246+00

SEE SHEET 35 TO MATCH SURVEY STA. 251+50



PROJECT: R40073-024
RCUP FM 1093 WESTPARK
EXTENSION PHASE II
FULSHEAR, TX

McMetro
ACCESS TRANSMISSION SERVICES CORPORATION
OUTSIDE PLANT CONSTRUCTION
TITLE: FIBER OPTIC ROUTE
RCUP FM 1093 WESTPARK EXTENSION PHASE II
FULSHEAR, TX

DATE: 06/27/17
ENGINEER: JEFF BUEHLER
DRAWN BY: G.T.S.

REVISIONS

DATE	DESCRIPTION	INITIAL

SCALE
HORIZONTAL: 1" = 40'
VERTICAL: 1" = 10'

MP N/A TO MP N/A

SHEET 34 OF 43

FILE: R40073-2401034AC.R&U



CALL BEFORE YOU DIG
1-800-4-A-DIG
72 HOURS NOTICE REQUIRED

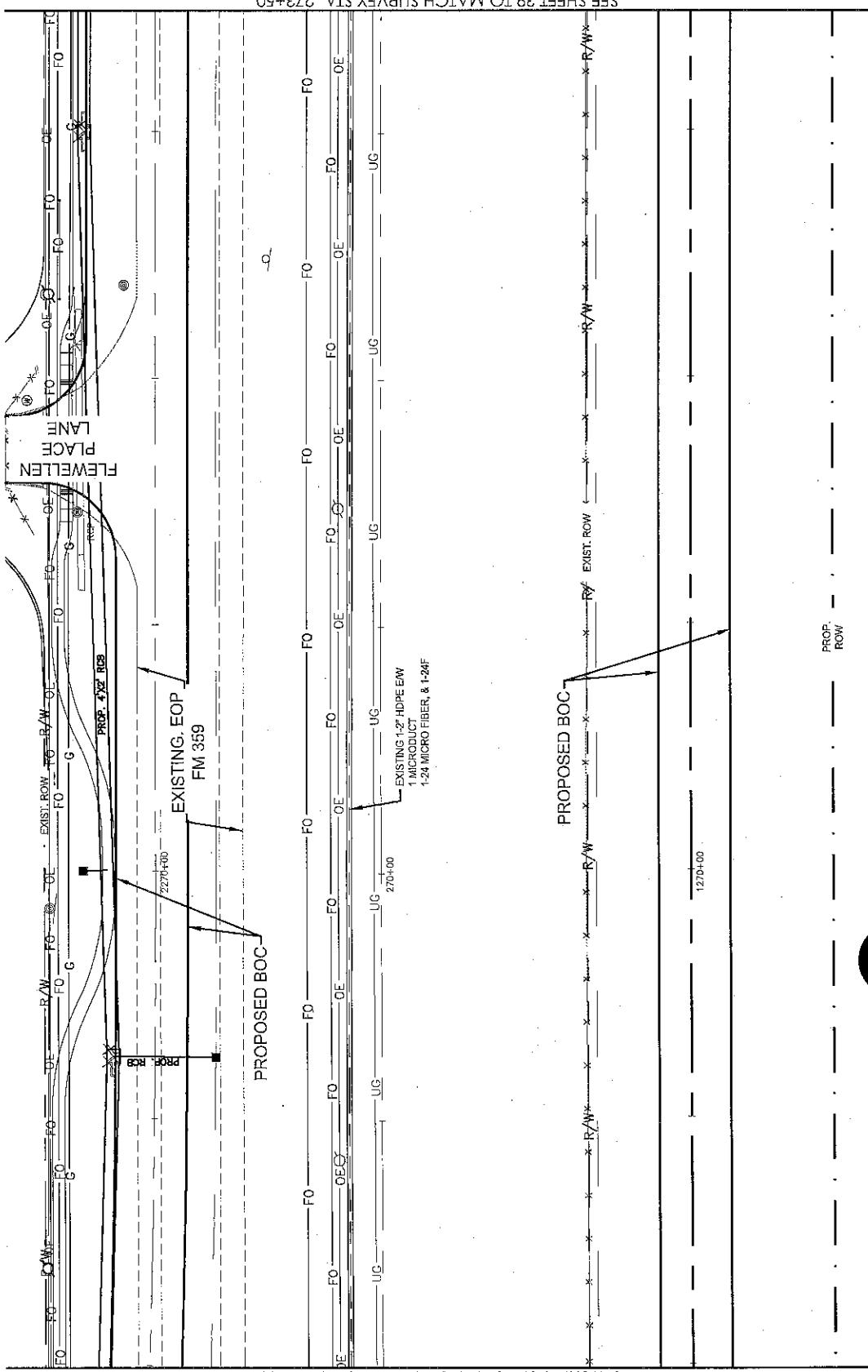
UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND FIELD OBSERVATIONS BUT ARE NOT NECESSARILY EXACT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES PRIOR TO ANY EXCAVATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGES INCURRED WHILE BEING IN THE POSSESSION OF THE CONTRACTOR.

FULSHEAR, TX
FORT BEND COUNTY

SHEET FOR REFERENCE ONLY



PROJECT: R40075-00A
RCUP FM 1093 WESTPARK
EXTENSION PHASE II
FULSHEAR, TX



SEE SHEET 37 TO MATCH SURVEY STA. 268+00
SEE SHEET 39 TO MATCH SURVEY STA. 273+50

Access Transmission Services Corporation
McMetro
TITLE: FIBER OPTIC ROUTE
RCUP FM 1093 WESTPARK EXTENSION PHASE II
FULSHEAR, TX

DATE: 04/27/17
ENGINEER: JEFF BUEHLER
DRAWN BY: G.F.S.
REVISIONS
DATE DESCRIPTION

SCALE
HORIZONTAL: 1" = 40'
VERTICAL: 1" = 10'

MP N/A TO MP N/A
SHEET 38 OF 43
FILE: R40075-00A008AC.RLU

UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND FIELD SURVEY. CONTRACTOR SHALL BE RESPONSIBLE TO FIELD LOCATE ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION. COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.



CALL BEFORE YOU DIG
1-800-4-A-S-6008
72 HOURS NOTICE REQUIRED



FULSHEAR, TX
FORT BEND COUNTY



PROJECT: R40073-004
RCUP FM 1093 WESTPARK
EXTENSION PHASE II
FULSHEAR, TX

210	75
216	200'

210	75
216	200'

210	75
216	200'

210	75
216	200'

210	75
216	200'

210	75
216	200'

210	75
216	200'

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216	200'

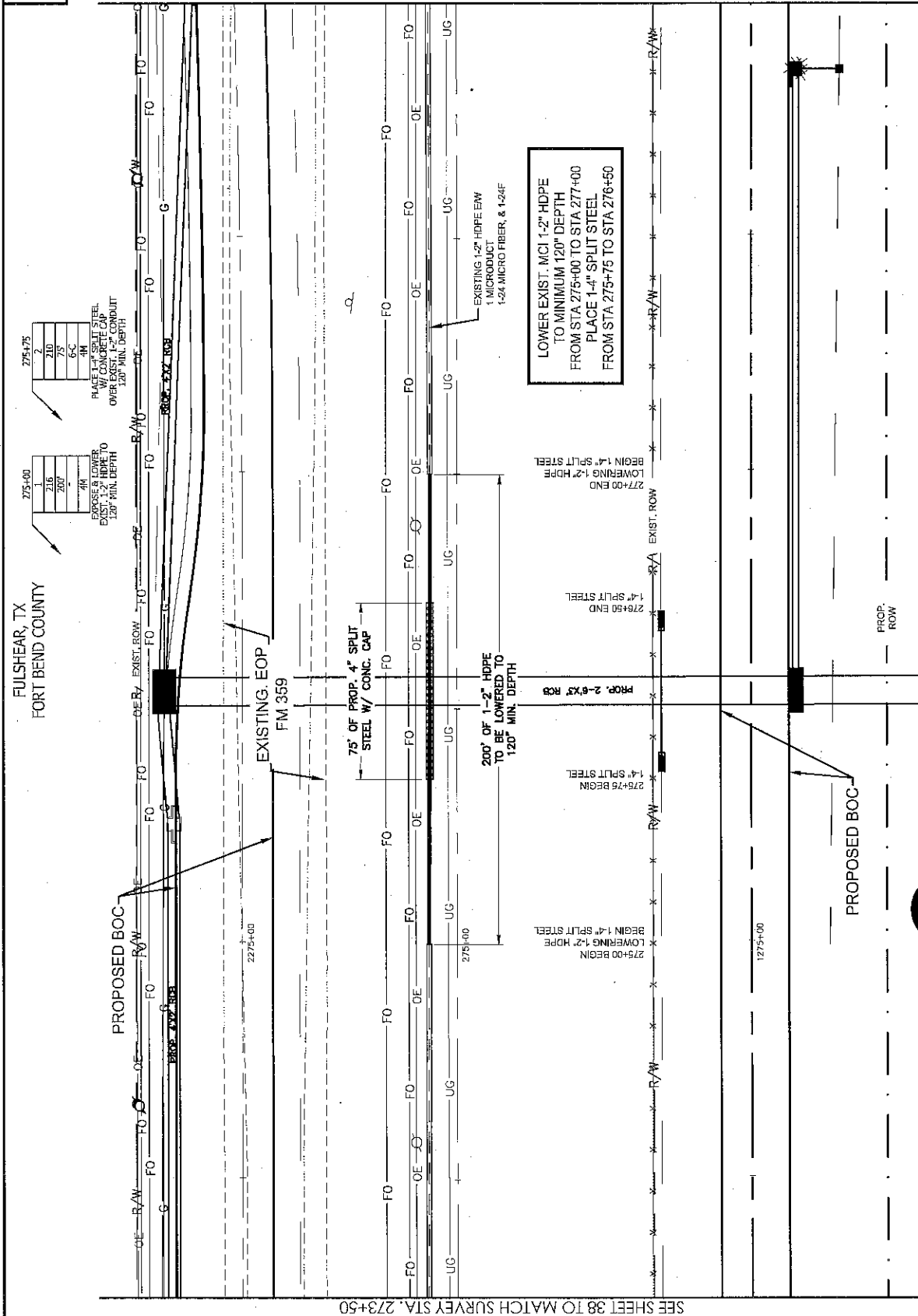
210	75
216	200'

210	75
216	200'

210	75
216	200'

210	75
216	200'

210	75
216	200'



SEE SHEET 38 TO MATCH SURVEY STA. 273+50

SEE SHEET 40 TO MATCH SURVEY STA. 279+00

UNDERGROUND UTILITIES HAVE BEEN LOCATED FROM AVAILABLE RECORDS AND FIELD OBSERVATIONS BUT ARE NOT NECESSARILY EXACT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES AND TO MAINTAIN THEM AT ALL TIMES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGES INCURRED AS A RESULT OF THE CONTRACTOR'S NEGLIGENCE.



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

ACCESS TRANSMISSION SERVICES CORPORATION
MCMetro
OUTSIDE PLANT CONSTRUCTION
TITLE: FIBER OPTIC ROUTE
RCUP FM 1093 WESTPARK EXTENSION PHASE II
FULSHEAR, TX

DATE: 06/27/17
ENGINEER: JEFF BIEHLER
DRAWN BY: G.F.S.

REVISIONS		
DATE	DESCRIPTION	INITIAL

SCALE
HORIZONTAL: 1" = 40'
VERTICAL: 1" = 10'

MP: N/A TO MP: N/A
SHEET: 39 OF 43
FILE: R40073-004/039AC.BM

NOTES:
1. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND RIGHTS-OF-WAY.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND RIGHTS-OF-WAY.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND RIGHTS-OF-WAY.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND RIGHTS-OF-WAY.

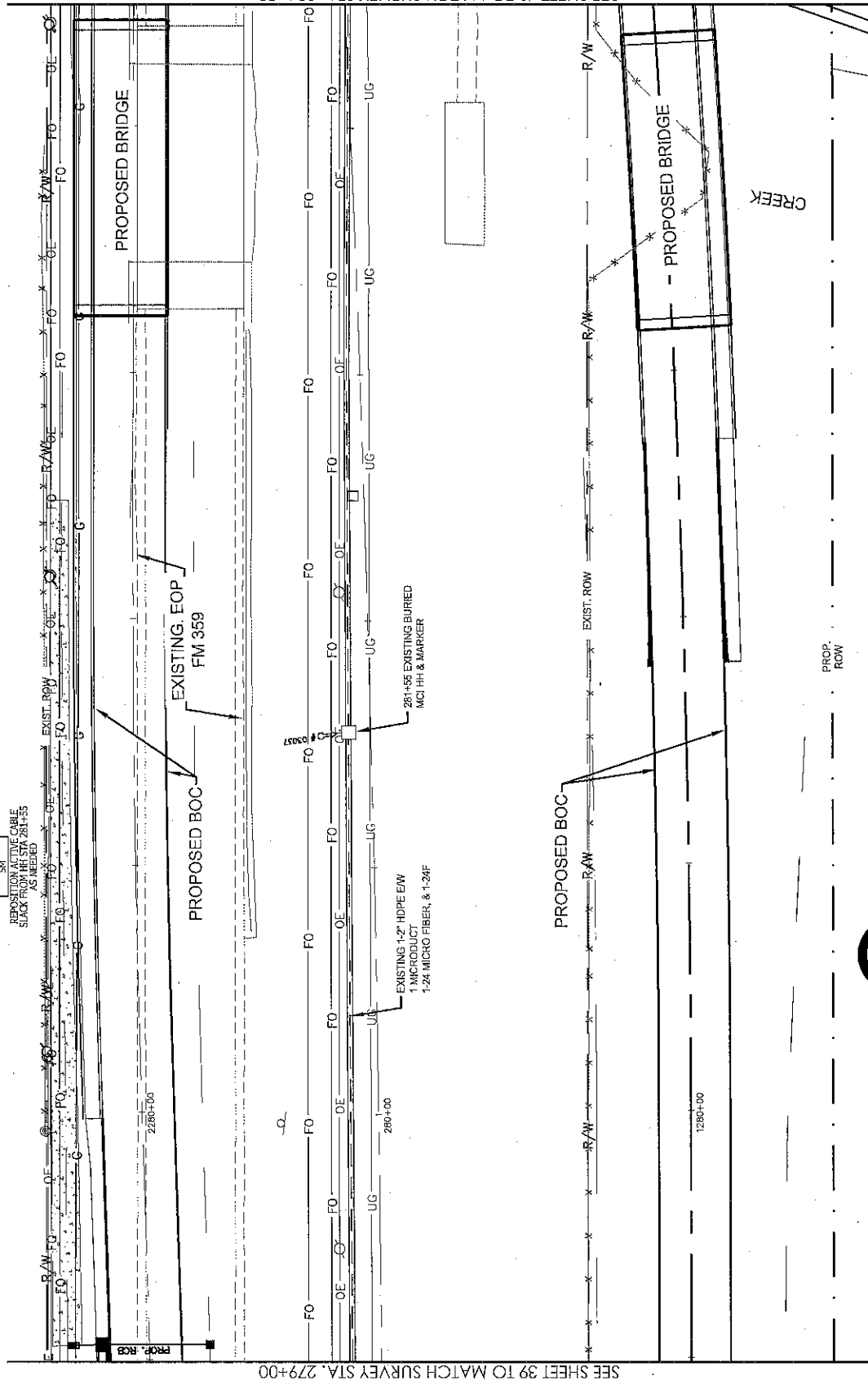


FULSHEAR, TX
FORT BEND COUNTY

SHEET FOR REFERENCE ONLY

281+55
450
100
50

REPOSITION ACTIVE CABLE
SLACK FROM HH STA 281+55
AS NEEDED



SEE SHEET 39 TO MATCH SURVEY STA. 279+00

SEE SHEET 41 TO MATCH SURVEY STA. 284+50



PROJECT: R40073-024
RCUP FM 1093 WESTPARK
EXTENSION PHASE II
FULSHEAR, TX

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100'

4.00

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100'

Access Transmission Services Corporation
MCI Metro
OUTSIDE PLANT CONSTRUCTION
TITLE: FIBER OPTIC ROUTE
RCUP FM 1093 WESTPARK EXTENSION PHASE II
FULSHEAR, TX

DATE: 06/27/17
ENGINEER: JEFF BUEHLER
DRAWN BY: G.F.S.

REVISIONS

DATE DESCRIPTION INITIAL

DATE DESCRIPTION INITIAL

DATE DESCRIPTION INITIAL

DATE DESCRIPTION INITIAL

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DATE DESCRIPTION INITIAL

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DATE DESCRIPTION INITIAL

DATE DESCRIPTION INITIAL

DATE DESCRIPTION INITIAL

DATE DESCRIPTION INITIAL

DATE DESCRIPTION INITIAL

DATE DESCRIPTION INITIAL

SCALE
HORIZONTAL: 1"=40'
VERTICAL: 1"=10'

MP N/A TO MP N/A

SHEET 40 OF 43

FILE: R40073-24010400-C.R&J



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 UTILITIES PRIOR TO CONSTRUCTION AND TO PROTECT THEM FROM DAMAGE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO UTILITIES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.

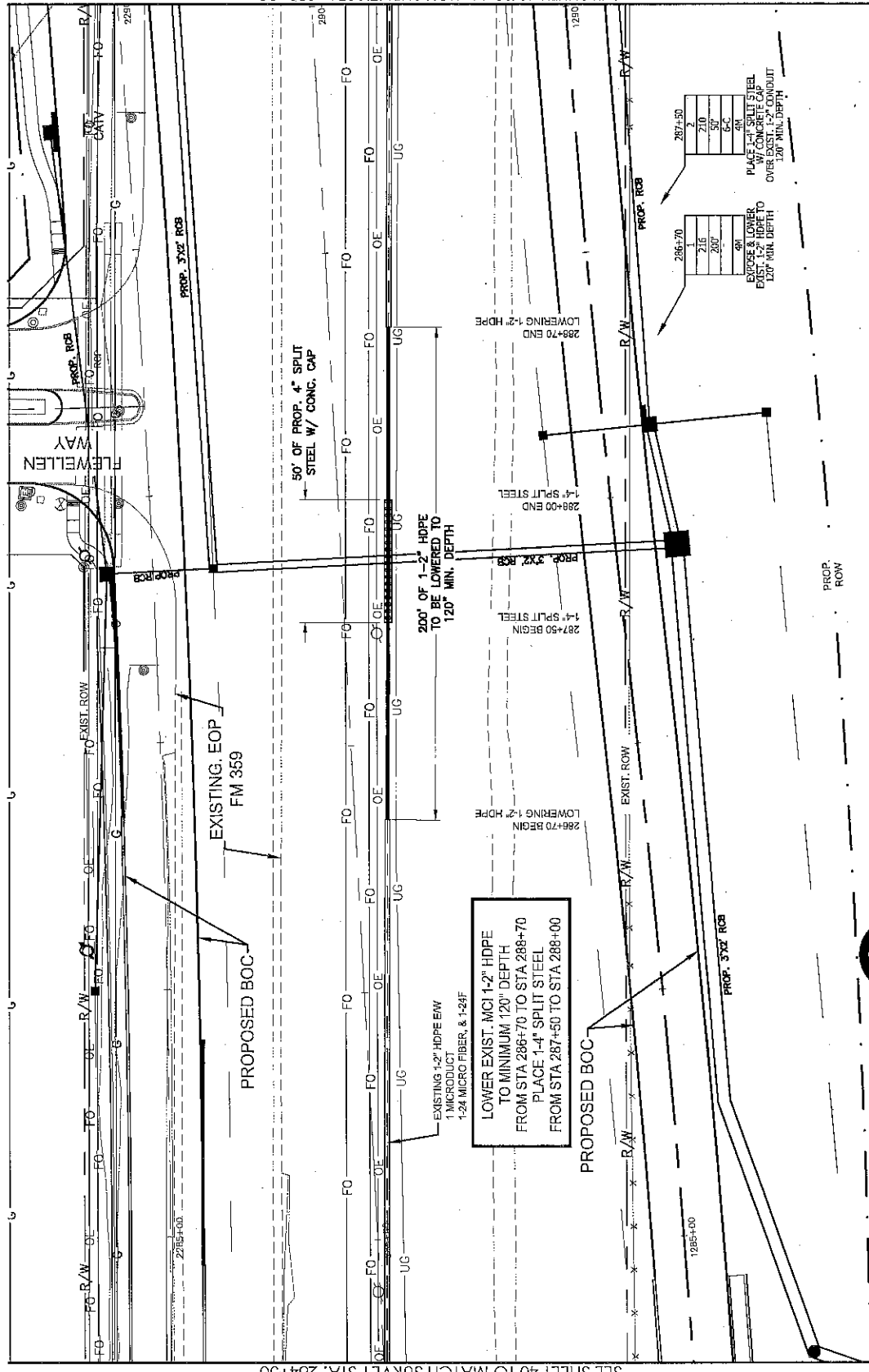
CALL BEFORE YOU DIG
1-800-565-6005
72 HOURS NOTICE REQUIRED



PROJECT: R40073024
RCUP FM 1093 WESTPARK
EXTENSION PHASE II
FULSHEAR, TX
210 50
216 200



FULSHEAR, TX
FORT BEND COUNTY



SEE SHEET 40 TO MATCH SURVEY STA. 284+50

SEE SHEET 42 TO MATCH SURVEY STA. 290+00

McMetro
ACCESS TRANSMISSION SERVICES CORPORATION
OUTSIDE PLANT CONSTRUCTION
TITLE: FIBER OPTIC ROUTE
RCUP FM 1093 WESTPARK EXTENSION PHASE II
FULSHEAR, TX

DATE: 06/27/17
ENGINEER: JEFF BIERHER
DRAWN BY: G.F.S.
REVISIONS
DATE DESCRIPTION INITIAL

SCALE
HORIZONTAL: 1"=40'
VERTICAL: 1"=10'

MP N/A TO MP N/A
SHEET 41 OF 43
FILE: R40073-2401041 AC.RAU



CALL BEFORE YOU DIG
1-800-542-6005
72 HOURS NOTICE REQUIRED

NOTES
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 UTILITIES PRIOR TO CONSTRUCTION. ALL DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.

FULSHEAR, TX
FORT BEND COUNTY



RCUP FM 1093 WESTPARK

FULSHEAR, TX

[illegible]

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RA

CONFIDENTIAL

TO
VICTIMS
OF
CRIMINAL
JUSTICE

1. INTRODUCTION
 2. CONCLUSION
 3. REFERENCES
 4. APPENDIX
 5. NOTES
 6. ACKNOWLEDGMENTS
 7. ABSTRACT
 8. KEYWORDS
 9. INDEXING
 10. DESCRIPTORS
 11. CLASSIFICATION
 12. THESE
 13. DISSERTATION
 14. THESIS
 15. PROCEEDINGS
 16. CONFERENCE
 17. SYMPOSIUM
 18. SEMINAR
 19. LECTURE
 20. WORKSHOP
 21. DEBATE
 22. DISCUSSION
 23. PRESENTATION
 24. REPORT
 25. ARTICLE
 26. BOOK
 27. JOURNAL
 28. MAGAZINE
 29. NEWSPAPER
 30. PERIODICAL
 31. MONOGRAPH
 32. THESIS
 33. DISSERTATION
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 37. SEMINAR
 38. LECTURE
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 40. DEBATE
 41. DISCUSSION
 42. PRESENTATION
 43. REPORT
 44. ARTICLE
 45. BOOK
 46. JOURNAL
 47. MAGAZINE
 48. NEWSPAPER
 49. PERIODICAL
 50. MONOGRAPH

MISS:

TRA
OUTS
1

DATE: 06/27/17

DRAWN BY: G.F.S.

DATE	DESCRIPTION	INITIALS
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IN STRICT CONFIDENCE AND SHALL NOT BE REPRODUCED, COPIED, OR USED FOR ANY PURPOSE.

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2423	2424	2425	2426	2427	2428	2429	2430	2431	2432	2
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VERTICAL: 1" = 10'

SHEET 42 OF 43

[illegible]



NORTHON



RCUP FM 1093 WESTPARK

FULSHEAR, TX

[illegible][illegible]

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[illegible]

RAT HAS

FOR THE

OFFICE OF THE
DISTRICT ATTORNEY
COURT REPORTER
EXTENSION
TX

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TRAITS

CONFERENCE

DATE: 06/27/17

DRAWN BY: G.F.S.

DATE	DESCRIPTION	INITIAL
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EXCEPT AS MAY BE OTHERWISE PROVIDED BY

IN STRICT CONFIDENCE AND SHALL NOT BE
REPRODUCED, COPIED, OR USED FOR ANY PURPOSE

SCALE

VERTICAL: 1" = 10'

SHEET 43 OF 43

1

Exhibit B

MCI Communication Services, Inc. Construction Cost Estimate

(3 Pages That Follow)

Date
Fort Bend County

RXH
Initial

8/14/17
Date
MCI



OUTSIDE PLANT CONSTRUCTION

COST ESTIMATE (ACTIVE APPROVED)

08/07/2017

Project/AFE #: R40073-024	Revision: 1	Date Prepared:	01/11/2017
Title	FULSHEAR TX RCUP FM 1093 WESTPARK EXTN PH 2	Engineer:	JEFFERY BUEHLER
Site Code:	FFBFTX	Manager:	LARRY SAUNDERS
Investigation#:	4526-2016	City:	FULSHEAR
Disposition:	REFUNDABLE CUP	State:	TX
		Footage Impact:	3,144

DESCRIPTION OF WORK

The contractor will provide engineering, permitting and project management services per unit rate quote as outlined Below to relocate the existing metro facilities along FM 1093 due to the proposed Westpark Extension project. Total length for 4,274' and will consist of 1,774' of new underground and exposing and lowering approximately 2,500' of existing conduit.

SCHEDULE

Eng. Start:	12/12/2016	Const. Start:	08/21/2017
Eng. Complete:	06/30/2017	Const. Complete:	10/13/2017

SUMMARY OF ESTIMATED COSTS

A):	ENGINEERING:	\$17,182.20
B):	INSPECTION SERVICES:	\$1,600.00
C):	FURNISHED MATERIALS:	\$3,705.00
D):	CONTRACTOR UNIT PRICE SCHEDULE:	\$113,006.00
E):	SPLICING LABOR:	\$3,200.00
F):	TOTAL:	\$138,693.20

Construction Manager: _____

Date: _____

OUTSIDE PLANT CONSTRUCTION COST ESTIMATE (ACTIVE APPROVED)

08/07/2017

Project/AFE #: R40073-024 FULSHEAR TX RCUP FM 1093 WESTPARK EXTN PH 2

Revision: 1

A) ENGINEERING

INTERNAL - REF DESCRIPTION:	QTY:	U/M:	UNIT \$:	EXT. \$:
OSP Engineers	60	hrs	100.00	\$6,000.00
Documentation	24	hrs	100.00	\$2,400.00
CONTRACT - REF DESCRIPTION:	QTY:	U/M:	UNIT \$:	EXT. \$:
Project Management (with inspection) - Metro - >500	3144	ft.	0.95	\$2,986.80
Cable Design - Metro Underground - >2,500 ft	1774	ft.	1.35	\$2,394.90
Cable Design - Existing Underground conduit - >500 ft	1370	ft.	0.45	\$616.50
Investigations > 2500 ft	18560	ft.	0.15	\$2,784.00
ENGINEERING Sub TOTAL:				\$17,182.20

B) INSPECTION SERVICES

INTERNAL - REF DESCRIPTION:	QTY:	U/M:	UNIT \$:	EXT. \$:
OPS Inspection (RMOD)	16	hrs	100.00	\$1,600.00
EXTERNAL - REF DESCRIPTION:	QTY:	U/M:	UNIT \$:	EXT. \$:
INSPECTION SERVICES Sub TOTAL:				\$1,600.00

C) FURNISHED MATERIALS

REF DESCRIPTION:	QTY:	U/M:	UNIT \$:	EXT. \$:
24 Fiber LT Single Mode Armored Cable	2500	ft.	0.27	\$675.00
Signs, post, hardware	5	ea.	30.00	\$150.00
Handholes	2	ea.	790.00	\$1,580.00
Splice Materials Per Splice Location (216 or smaller)	2	ea.	650.00	\$1,300.00
FURNISHED MATERIALS Sub TOTAL:				\$3,705.00

D) CONTRACTOR UNIT PRICE SCHEDULE

REF DESCRIPTION:	QTY:	U/M:	UNIT \$:	EXT. \$:
Place Conduit	450	lf	50.00	\$22,500.00
Place handhole	2	ea.	700.00	\$1,400.00
Place Cable	1974	lf	1.00	\$1,974.00
Adjust Active Cable Slack	500	lf	0.75	\$375.00

OUTSIDE PLANT CONSTRUCTION COST ESTIMATE (ACTIVE APPROVED)

08/07/2017

Project/AFE #: R40073-024 FULSHEAR TX RCUP FM 1093 WESTPARK EXTN PH 2

Revision: 1

Directional bore	1774	lf	18.00	\$31,932.00
Place buried cable markers & water crossing signs	5	ea.	75.00	\$375.00
Remove Handhole	1	ea.	500.00	\$500.00
Expose and intercept Exist. conduit	10	lf	45.00	\$450.00
Expose Burried Handhole	2	ea.	250.00	\$500.00
Expose and Lower exist. 1-2" conduit	1370	lf	35.00	\$47,950.00
Remove 1-24f, 1 micro fiber, 1 micro duct	1700	lf	1.50	\$2,550.00
Mobilization	1	ea.	2500.00	\$2,500.00
CONTRACTOR UNIT PRICE SCHEDULE Sub TOTAL:				\$113,006.00

E) SPLICING LABOR

REF DESCRIPTION:	QTY:	U/M:	UNIT \$:	EXT. \$:
OPS Splicing Support	32	hrs	100.00	\$3,200.00
SPLICING LABOR Sub TOTAL:				\$3,200.00

Exhibit C

MCI Communication Services, Inc.
Schedule of Work
and
Estimated Dates of Completion.

(As Shown Below)

Construction Schedule:

Begin Construction: September 1, 2017 (or sooner)

Complete Construction: October 31, 2017



Date
Fort Bend County



Initial Date
MCI

CERTIFICATE OF INTERESTED PARTIES

FORM 1295

1 of 1

Complete Nos. 1 - 4 and 6 if there are interested parties.
Complete Nos. 1, 2, 3, 5, and 6 if there are no interested parties.

OFFICE USE ONLY CERTIFICATION OF FILING

1 Name of business entity filing form, and the city, state and country of the business entity's place of business.

MCI Communications Services, Inc.
Irving, TX United States

Certificate Number:
2017-249593

Date Filed:
08/14/2017

2 Name of governmental entity or state agency that is a party to the contract for which the form is being filed.

Fort Bend County

Date Acknowledged:

3 Provide the identification number used by the governmental entity or state agency to track or identify the contract, and provide a description of the services, goods, or other property to be provided under the contract.

23381 - 07/11/17
Utility Relocation regarding FM 1093/Westpark, Mobility Bond Project No. 748

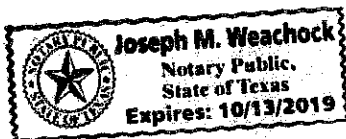
4	Name of Interested Party	City, State, Country (place of business)	Nature of interest (check applicable)	
			Controlling	Intermediary

5 Check only if there is NO Interested Party.



6 AFFIDAVIT

I swear, or affirm, under penalty of perjury, that the above disclosure is true and correct.



Robert J. Hayes
Signature of authorized agent of contracting business entity

Robert J. Hayes

AFFIX NOTARY STAMP / SEAL ABOVE

Sworn to and subscribed before me, by the said ROBERT J. HAYES, this the 15th day of AUGUST, 20 17, to certify which, witness my hand and seal of office.

Joseph M. Weachock JOSEPH M. WEACHOCK NOTARY PUBLIC
Signature of officer administering oath Printed name of officer administering oath Title of officer administering oath