

# STANDARD UTILITY AGREEMENT

**U-0001 – MCI Communication Services, Inc.**  
County: **Fort Bend County, Texas**  
Highway: **FM 1093 Westpark Extension**

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 estimated dates:

Bid date – N/A  
Board Approval – N/A  
Start date – October 26, 2015 or sooner  
Completion date – January 29, 2016

and more specifically shown in **Utility's** plans, specifications and estimated costs, which are attached hereto as Exhibit "A" and Exhibit "B".

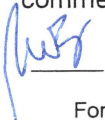
**WHEREAS**, Subchapter E of Chapter 203 of the Texas Transportation Code regarding the relocation of utilities does not apply to this Project, but the County wishes to negotiate in good faith and enter into agreements with all affected utility companies for the participation in the costs of the adjustment, 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.

  
\_\_\_\_\_  
Date 10/27/2015  
Fort Bend County

  
\_\_\_\_\_  
Initial Date 10/13/2015  
MCI.

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, 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 (Exhibit "A");
3. Utility Construction Cost Estimate & Specifications (Exhibit "B");
4. **Utility's** Schedule of Work and estimated Date of Completion (Exhibit "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 and any preparation for construction pursuant to this Agreement including, but not limited to, engineering and permitting costs.

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 compliance with Buy America.



10/27/2015  
Date

Fort Bend County



Initial

10/13/2015  
Date

MCI

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.

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*

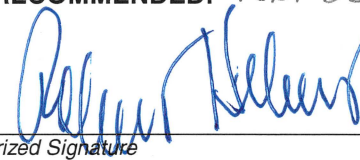
Mark J. Wingate  
*Print or Type Name*

Title: Manager, Outside Plant

Date: 10/13/2015

**EXECUTION RECOMMENDED: FORT BEND COUNTY**


**COUNTY**


By:   
*Authorized Signature*

Robert E. Hebert  
*Print or Type Name*

Title: County Judge

Date: October 27, 2015

 10/27/2015  
Date  
Fort Bend County

 10/13/2015  
Initial Date  
MCI

# Exhibit A

MCI  
COMMUNICATION SERVICES INC

OUTSIDE PLANT CONSTRUCTION

FIBER OPTIC CABLE ROUTE

OSP PROJECT #: R40058-001  
FM 1093 WESTPARK EXTENSION  
HOUSTON, TX

SITE CODE: HODATX

PROJECT STATUS: CONSTRUCTION

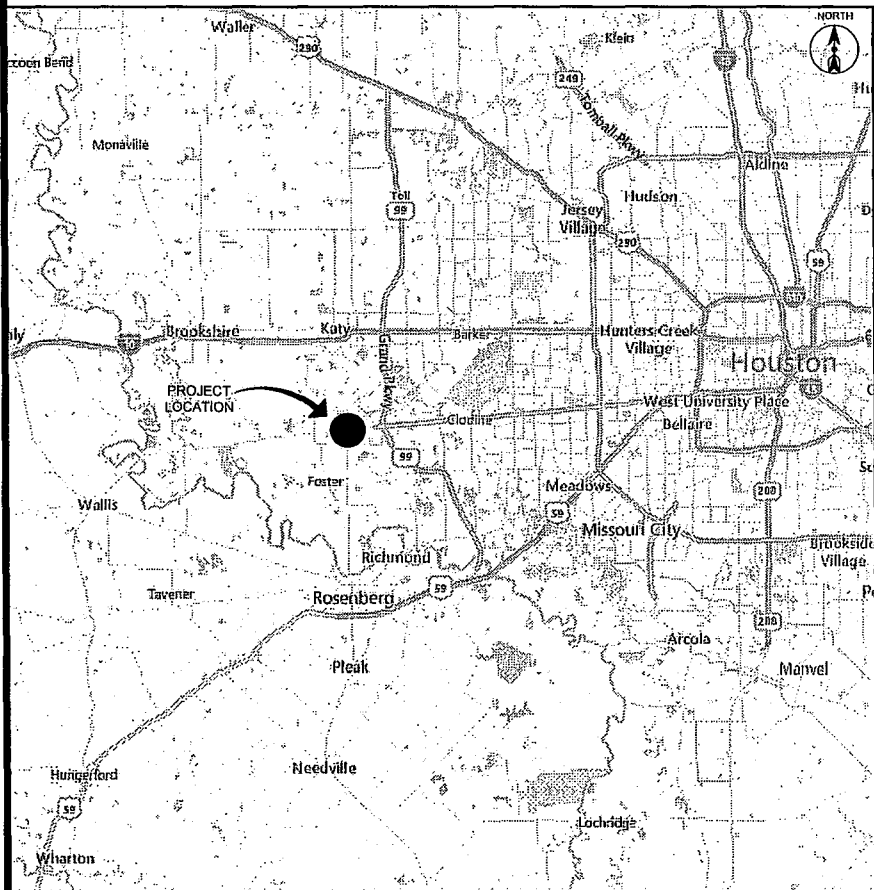
DATE: 8/4/15

R40058-00101001AC.R&U

# Exhibit A

# LOCATION MAP

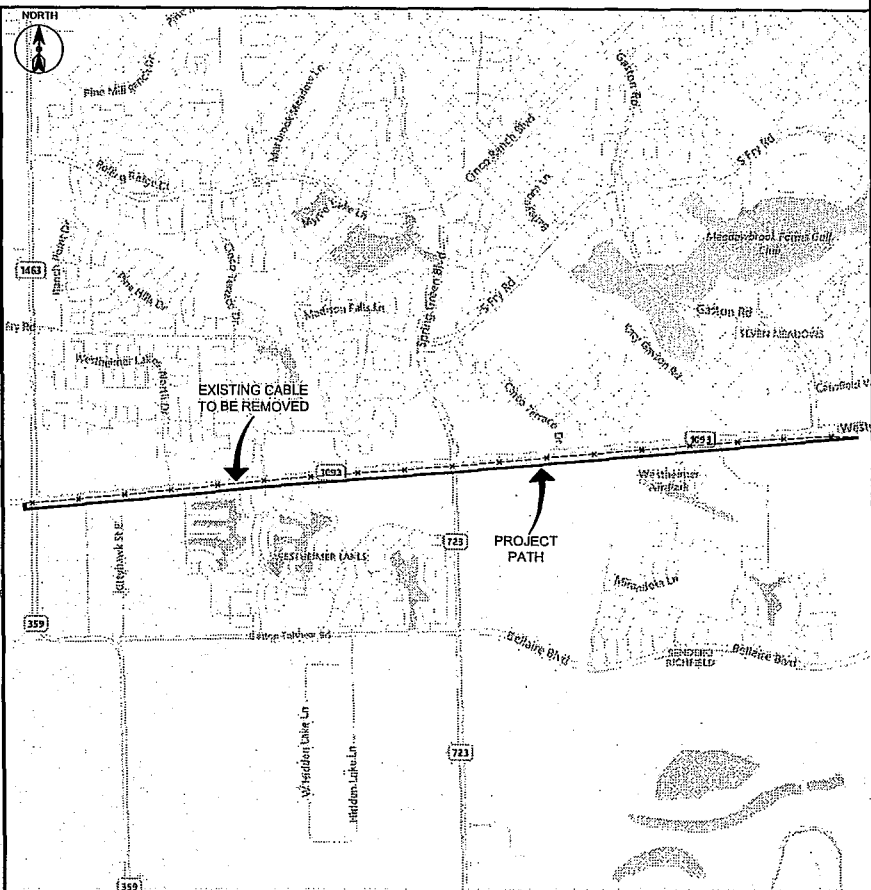
HOUSTON, TX  
FORT BEND COUNTY



VICINITY MAP



HOUSTON, TX



PROJECT MAP



PROJECT: R40058-001

HOUSTON, TX

FM 1093 WESTPARK EXTENSION

COMMUNICATION SERVICES INC  
OUTSIDE PLANT CONSTRUCTION  
TITLE: FIBER OPTIC ROUTE  
FM 1093 WESTPARK EXTENSION  
HOUSTON, TX

DATE: 8/4/15

ENGINEER: JEFF BUEHLER

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

REVISIONS

No.	DATE	DESCRIPTION	BY

EXCEPT AS MAY BE OTHERWISE PROVIDED BY CONTRACT, THESE DRAWINGS AND SPECIFICATIONS SHALL REMAIN THE PROPERTY OF MCI COMMUNICATIONS SERVICES INC. BOTH BEFORE AND AFTER THE PROJECT. NO PARTS SHALL BE REPRODUCED, COPIED, OR USED FOR ANY PURPOSE WITHOUT SPECIFIC WRITTEN PERMISSION.

SCALE

HORIZONTAL: 1"= N/A

VERTICAL: 1"= N/A

MP TO MP

SHEET 02 OF 41

FILE: R40058-00101002A C.R&U





# MCI OUTSIDE PLANT FOCUS



## FIBER OPTIC CABLE UNCOVERING SYSTEM

1. THE TITLE OF THIS PROGRAM, **F.O.C.U.S.**, AN ACRONYM FOR "**FIBER OPTIC CABLE UNCOVERING SYSTEM**," WAS SELECTED TO REMIND EVERYONE INVOLVED WITH WORKING NEAR MCI'S ACTIVE FIBER OPTIC SYSTEMS TO FOCUS ON PROTECTING THE FACILITIES. IF, DURING THE COURSE OF THE PROJECT, YOU NOTICE ANY ACTIVITY WHICH MAY JEOPARDIZE THE MCI OSP FACILITIES, IT IS YOUR DUTY TO STOP THE WORK AND RE-F.O.C.U.S.
2. F.O.C.U.S. RULES MUST BE FOLLOWED ON ALL MCI PROJECTS INVOLVING WORK ON OR NEAR MCI OSP FACILITIES. SAFETY IS MCI'S NUMBER ONE PRIORITY; EVERYONE MUST REFRAIN FROM UNSAFE AND IMPROPER PRACTICES.
3. REVIEW OF F.O.C.U.S. IS MANDATORY AT EVERY PRE-BID, PRE-CONSTRUCTION SITE MEETING AND DAILY TAILGATE MEETING. F.O.C.U.S. DISCUSSION MUST INCLUDE SITE-SPECIFIC HISTORY, UNIQUE PROBLEMS, FACILITY CONFIGURATIONS THAT MAY BE ENCOUNTERED, AND PAST ERRORS. "THOSE WHO DO NOT LEARN FROM HISTORY ARE DOOMED TO REPEAT IT." DO NOT LET THIS HAPPEN TO YOU.
4. ANY WORK NEAR OR REQUIRING HANDLING OF MCI OUTSIDE PLANT FACILITIES CAN ONLY BE PERFORMED WITH AN MCI EMPLOYEE OR CONTRACT REPRESENTATIVE PRESENT -- THIS MEANS OUT OF HIS OR HER VEHICLE AND DIRECTLY MONITORING THE WORK. THE REPRESENTATIVE MUST HAVE A PROPERLY OPERATING CABLE LOCATOR CHECKED FOR ACCURACY EVERY DAY PRIOR TO COMMENCEMENT OF WORK (COMPARISON OF LINE AND DEPTH READINGS TO ACTUAL LINE AND DEPTH OF THE CABLE).
5. LOCATE AND POT HOLE REQUIREMENTS:
  - PRIOR TO ANY EXCAVATION, THE MCI EMPLOYEE OR CONTRACT REPRESENTATIVE MUST VERIFY THE INITIAL LOCATE MARKS COMPLETED BY MCI OPERATIONS. DO NOT TRUST LOCATE RESULTS COMPLETED BY OTHERS THE MCI OR CONTRACT REPRESENTATIVE MUST LOCATE THE CABLE RUNNING LINE BY MAKING AT LEAST ONE PASS IN EACH DIRECTION. LOCATE RESULTS MUST THEN BE COMPARED WITH PREVIOUS MARKS AND THE AS-BUILTS.
  - IF THE PROPOSED WORK INVOLVES DIGGING OR EXCAVATING WITHIN 3 FEET OF THE CABLE, THE CABLE ROUTE WILL BE MARKED CONTINUALLY WITH ORANGE PAINT AND SUPPLEMENTED BY MARKER FLAGS PLACED EVERY 10 FT. THE EXCAVATION CONTRACTOR MUST POT HOLE (ALL 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 MCI'S EMPLOYEE OR CONTRACT REPRESENTATIVE.
7. PLEASE REFER TO THE LATEST EDITION OF THE MCI OSP HANDBOOK FOR ADDITIONAL DETAILS. KNOW IT AND FOLLOW IT.

## MCI OUTSIDE PLANT CONSTRUCTION GENERAL REQUIREMENTS

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

PROJECT: R40058-001  
HOUSTON, TX  
FM 1093 WESTPARK EXTENSION

MCI  
COMMUNICATION SERVICES INC  
OUTSIDE PLANT CONSTRUCTION  
TITLE: FIBER OPTIC ROUTE  
FM 1093 WESTPARK EXTENSION  
HOUSTON, TX

DATE: 8/4/15  
ENGINEER: JEFF BUEHLER  
DRAWN BY: G.F.S. (MR)

REVISIONS			
No.	DATE	DESCRIPTION	BY

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SCALE  
HORIZONTAL: 1"= N/A  
VERTICAL: 1"= N/A  
MP TO MP  
SHEET 04A OF 41

FILE: R40058-00101004B C.R.8U



# SYMBOLS KEY

	EXISTING	PROPOSED
BURIED CABLE	—	—
AERIAL CABLE	— A —	— A —
SUBMARINE CABLE	— SUBM —	— SUBM —
FOGWIRE CABLE	— FOGW —	— FOGW —
DIRECT BURIED HDPE	— H —	— H —
PVC OR SPLIT PVC CONDUIT	—	—
BSP/GSP OR SPLIT BSP/GSP CONDUIT	—	—
STEEL CASING	—	—
REMOVE AND RESTORE ASPHALT OR CONCRETE (WIDTH AS INDICATED)	— 48" —	— 48" —
CORE BORE	—	—
JACK AND BORE	—	—
DIRECTIONAL BORE	— DB —	— DB —
FUTURE CABLE	—	—
REMOVE CABLE	— R —	— R —
TO BE REMOVED OR ABANDONED (SHOWN FOR HDPE)	— X — H —	— H — X —
AERIAL UTILITY (ELECTRIC)	— E —	— E —
UNDERGROUND UTILITY (TELEPHONE)	— T —	— T —
MAIN TRACKS	—	—
AUXILIARY TRACKS	—	—
CENTERLINE	— CL —	— CL —
RIGHT-OF-WAY	— RW —	— RW —
EDGE OF PAVEMENT	— EOP —	— EOP —
SIDEWALK	— SW —	— SW —
DITCH LINE	— DL —	— DL —
TAX DISTRICT	—	—
CITY, COUNTY OR STATE BOUNDARY LINE	—	—
PROPERTY LINE	—	—
FENCE LINE	— FIL — O — FIL — O —	— FIL — O — FIL — O —
GUARDRAIL	—	—
TOP OF SLOPE	—	—
TOE OF SLOPE	—	—

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

MILE POST MARKER  
 NOTE:  
 DASHED = NOT FOUND IN FIELD

PERMIT TRACKING FORM IDENTIFIER

ROCK PROBE (DEPTH AS INDICATED)

UTILITY COVER DEPTH

HANDHOLE, MANHOLE OR PULLBOX

POLE

ANCHOR ONLY

GUY ONLY

OVERHEAD GUY (ARROW IN DIRECTION OF PULL)

ANCHOR AND GUY

SIDEWALK ANCHOR AND GUY

FOREIGN ANCHOR AND GUY

PUSH BRACE (EXISTING POLE)

ACCOUNT CODE CHANGE (BURIED TO AERIAL)

BOND AND GROUND

CULVERT (SIZE AS INDICATED)

BRIDGE

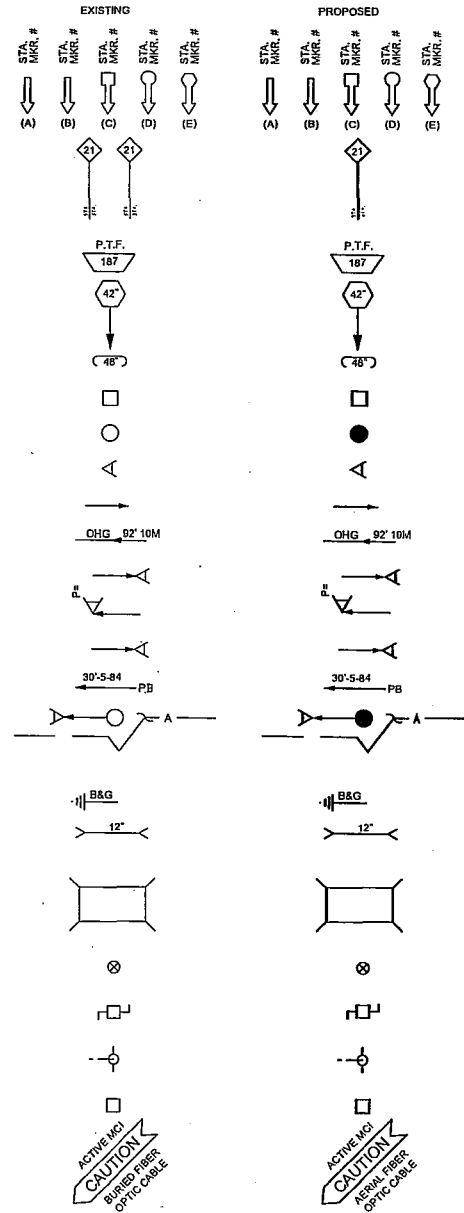
WATER METER

GAS VALVE

FIRE HYDRANT

RAILROAD SIGNAL CONTROL BOX

CAUTION NOTE



**verizonbusiness**

PROJECT: R40058-001  
 HOUSTON, TX  
 FM 1093 WESTPARK EXTENSION

MCI COMMUNICATION SERVICES INC  
 OUTSIDE PLANT CONSTRUCTION  
 TITLE: FIBER OPTIC ROUTE  
 FM 1093 WESTPARK EXTENSION  
 HOUSTON, TX

DATE: 8/4/15  
 ENGINEER: JEFF BUEHLER  
 DRAWN BY: G.F.S. (MR)

REVISIONS			
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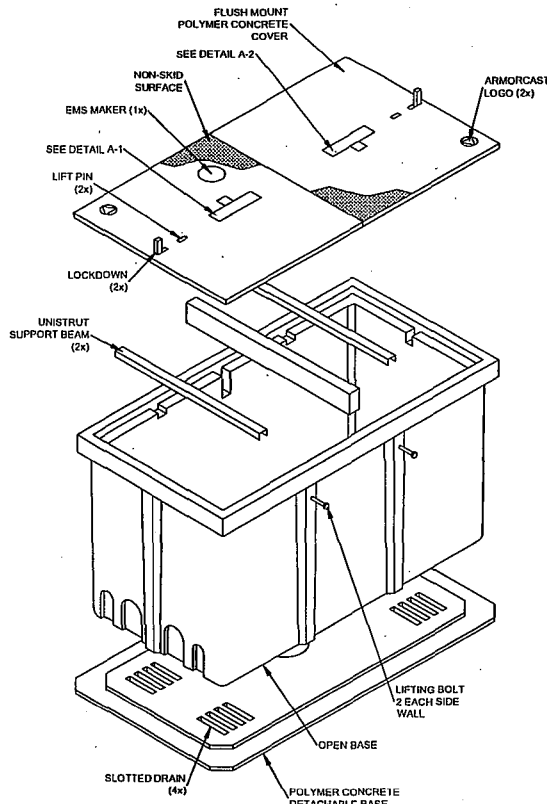
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FILE: R40058-00101005A C.R&U

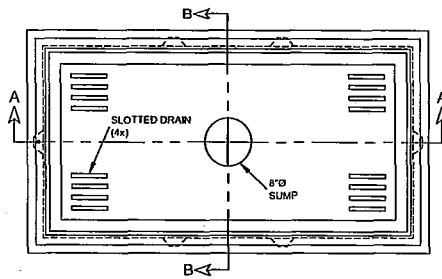


# 2.5' x 5' x 2.5' 30K STANDARD HANDHOLE DETAILS

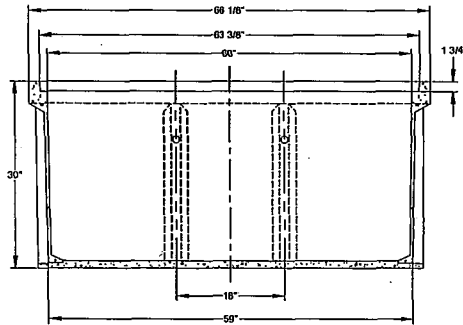
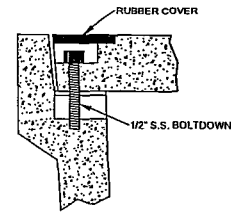
**DETAIL "A"**  
EXPLODED ISOMETRIC DETAIL



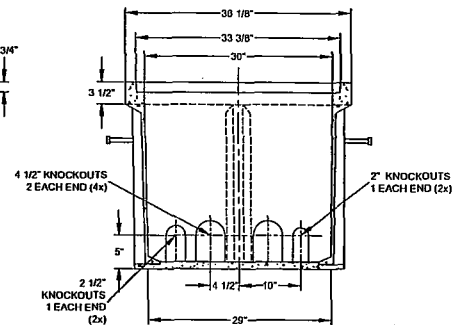
**DETAIL "B"**  
LOCKING DEVICE  
CROSS SECTION



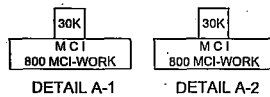
**DETAIL "C"**  
FLUSH MOUNT  
COVER DETAIL



SECTION A-A



SECTION B-B



**NOTE:**  
SEALED PLASTIC BAG PLACED INSIDE VAULT TO CONTAIN:

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

**verizonbusiness**

PROJECT: R40058-001  
HOUSTON, TX  
FM 1093 WESTPARK EXTENSION

COMMUNICATION SERVICES INC  
MCI  
OUTSIDE PLANT CONSTRUCTION  
TITLE: FIBER OPTIC ROUTE  
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HOUSTON, TX

DATE: 8/4/15  
ENGINEER: JEFF BUEHLER

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

REVISIONS

No.	DATE	DESCRIPTION	BY

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SCALE

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VERTICAL: 1" = N/A

MP TO MP

SHEET 07 OF 41

FILE: R40058-001007 A C.R.U.







HOUSTON, TX  
FORT BEND COUNTY



PROJECT: R40058-001  
HOUSTON, TX  
FM 1093 WESTPARK EXTENSION

CLARIFICATION NO.	QUANTITY
210	105'
210A	115'
215	5'
240	1
250	1
250A	1
410A	595'
410B	380'
415A	290'
420	100'
630	175'
710	3
710A	2

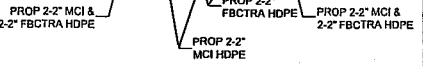
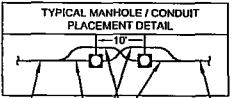
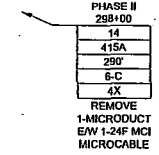
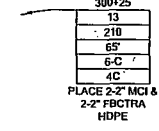
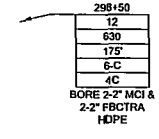
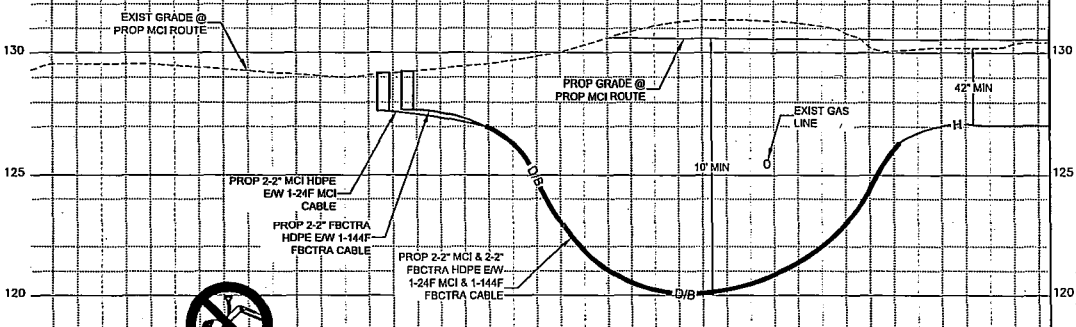
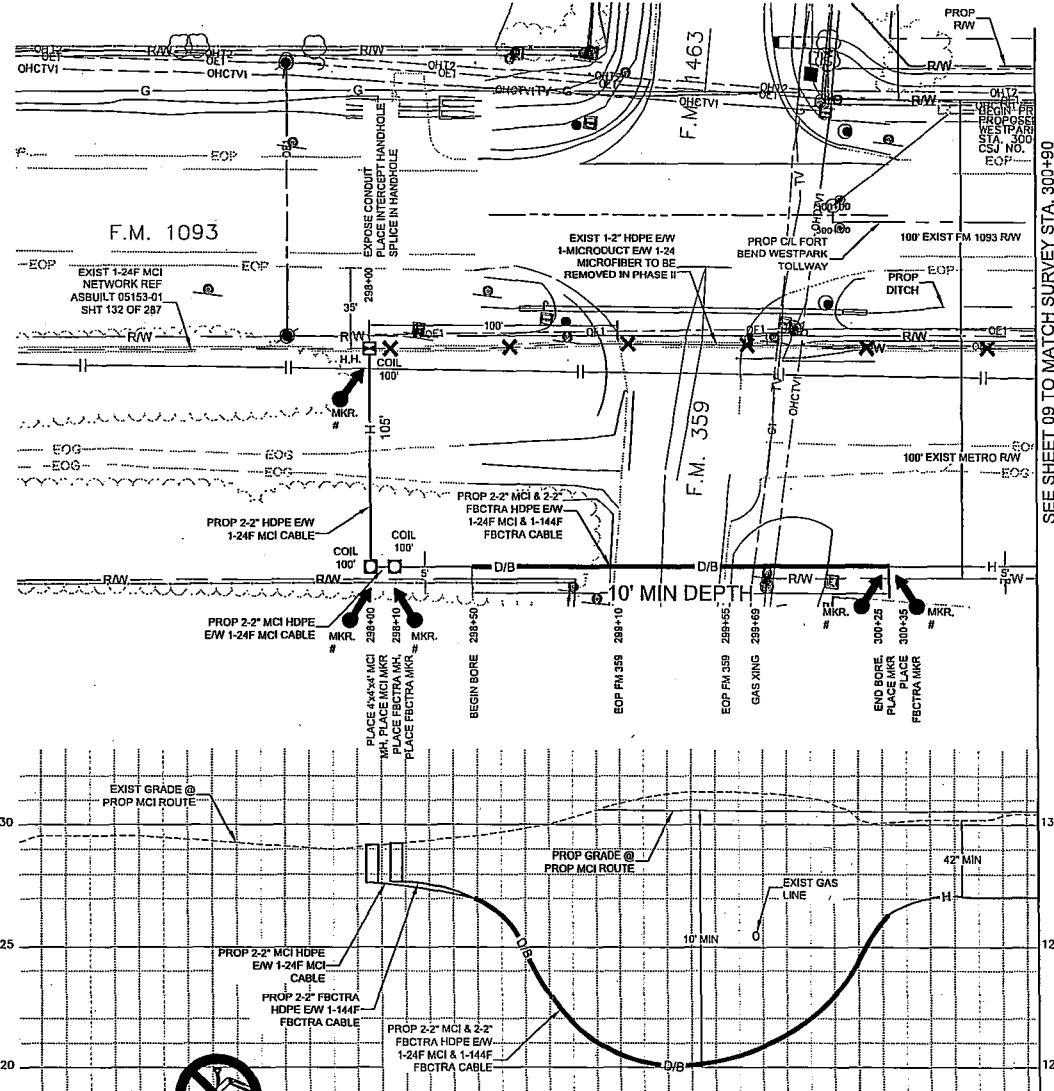
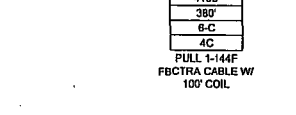
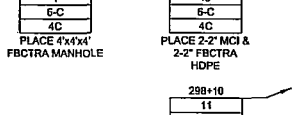
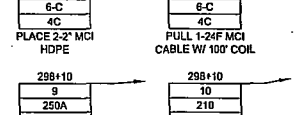
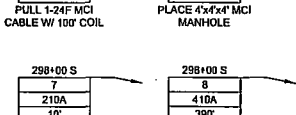
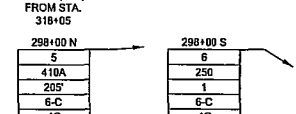
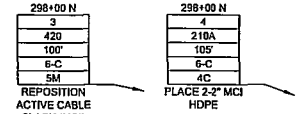
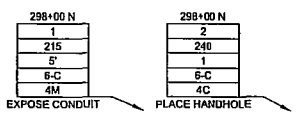
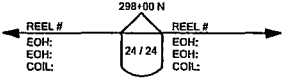
COMMUNICATION SERVICES INC  
OUTSIDE PLANT CONSTRUCTION  
TITLE: FIBER OPTIC ROUTE  
FM 1093 WESTPARK EXTENSION  
HOUSTON, TX

DATE: 8/4/15  
ENGINEER: JEFF BUEHLER  
DRAWN BY: G.F.S. (MR)

REVISIONS		
No.	DATE	DESCRIPTION

EXCEPT AS MAY BE OTHERWISE PROVIDED BY CONTRACT, THESE DRAWINGS AND SPECIFICATIONS SHALL REMAIN THE PROPERTY OF MCI COMMUNICATIONS SERVICES INC. NOY BEING REPRODUCED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF MCI COMMUNICATIONS SERVICES INC.

SCALE  
HORIZONTAL: 1"= 50'  
VERTICAL: 1"= 5'  
MP TO MP  
SHEET 08 OF 41  
FILE: R40058-00101008 A.C.R&U



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  
48 HOURS NOTICE REQUIRED

HOUSTON, TX  
FORT BEND COUNTY



PROJECT: R40058-001  
HOUSTON, TX  
FM 1093 WESTPARK EXTENSION

CLARIFICATION NO.	QUANTITY
210	510'
410	510'
415A	510'

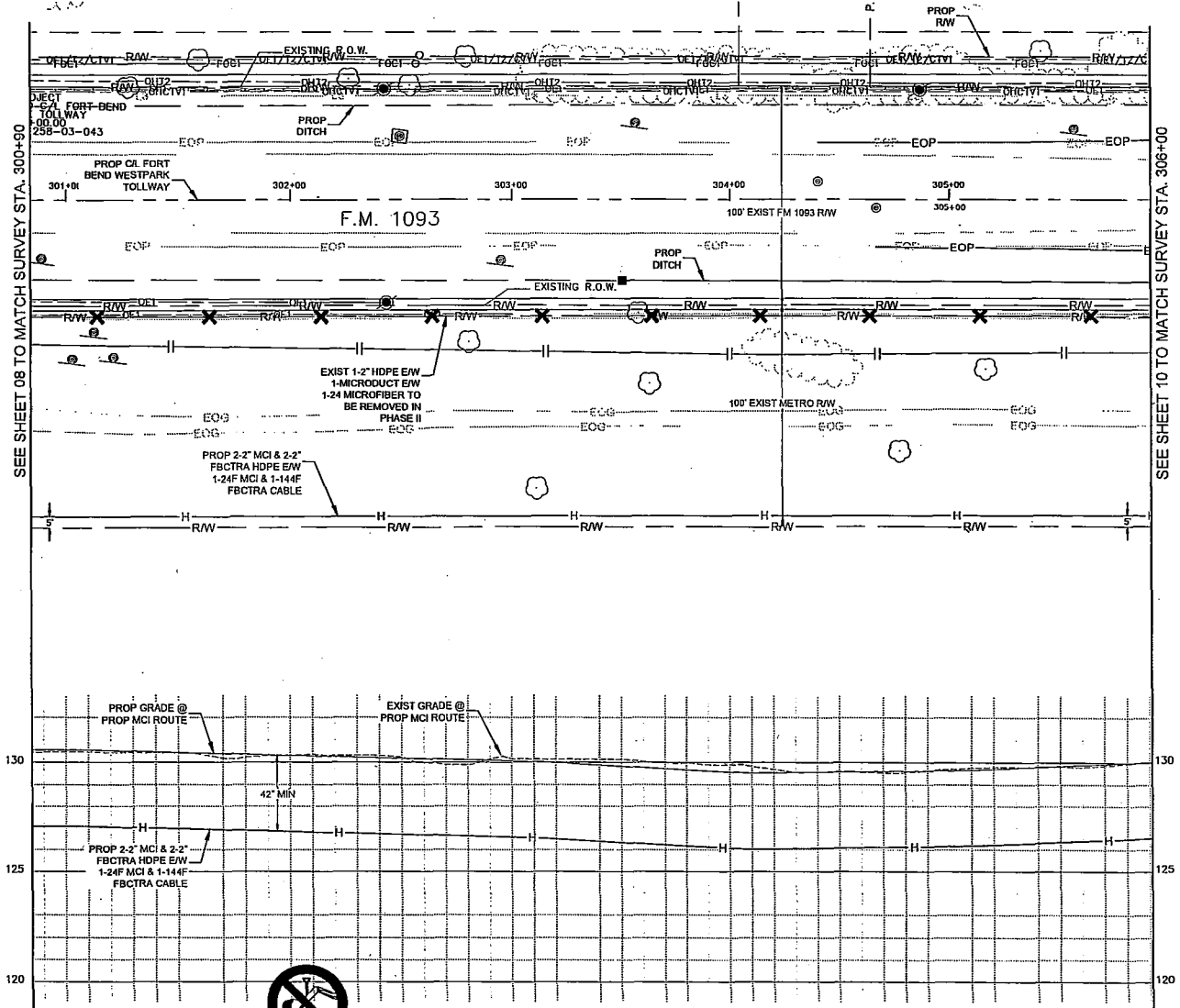
COMMUNICATION SERVICES INC  
OUTSIDE PLANT CONSTRUCTION  
TITLE: FIBER OPTIC ROUTE  
FM-1093 WESTPARK EXTENSION  
HOUSTON, TX

DATE: 8/4/15  
ENGINEER: JEFF BUEHLER  
DRAWN BY: G.F.S. (MR)

REVISIONS		
No.	DATE	DESCRIPTION

EXCEPT AS MAY BE OTHERWISE PROVIDED BY CONTRACT, THESE SERVICES AND SPECIFICATIONS SHALL REMAIN THE PROPERTY OF MCI COMMUNICATIONS SERVICES INC. NO BEING LOANED IN STRICT CONFIDENCE AND SHALL NOT BE REPRODUCED, COPIED, OR USED FOR ANY PURPOSE WITHOUT SPECIFIC WRITTEN PERMISSION

SCALE  
HORIZONTAL: 1" = 50'  
VERTICAL: 1" = 5'  
MP TO MP  
SHEET 09 OF 41  
FILE: R40058-00101009A.C.R&U

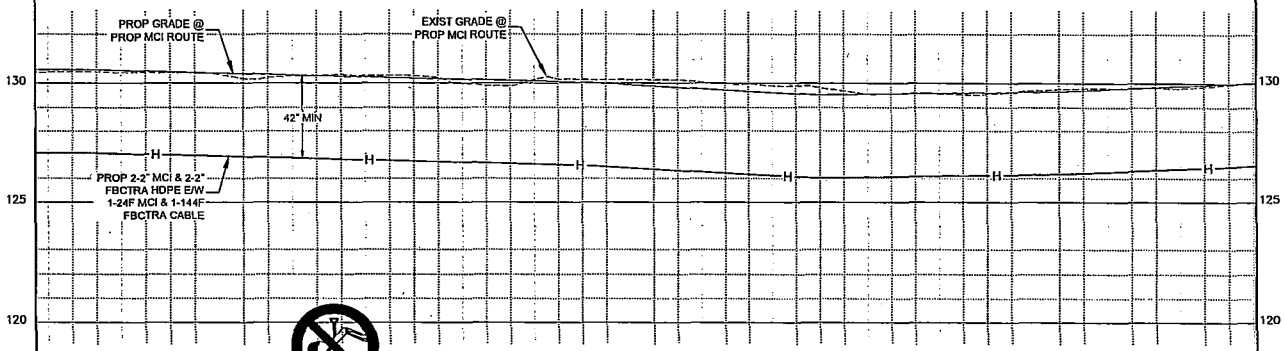


SEE SHEET 08 TO MATCH SURVEY STA. 300+90

SEE SHEET 10 TO MATCH SURVEY STA. 306+00

- 300+90
- 1
- 210
- 510'
- 6-C
- 4C
- PLACE 2-2" MCI & 2-2" FBCTRA HDPE
- 300+90
- 2
- 410
- 510'
- 6-C
- 4C
- PULL 1-24F MCI & 1-144F FBCTRA CABLE

- PHASE II
- 300+90
- 3
- 415A
- 510'
- 6-C
- 4C
- REMOVE 1-MICRODUCT EW 1-24F MCI MICROCABLE

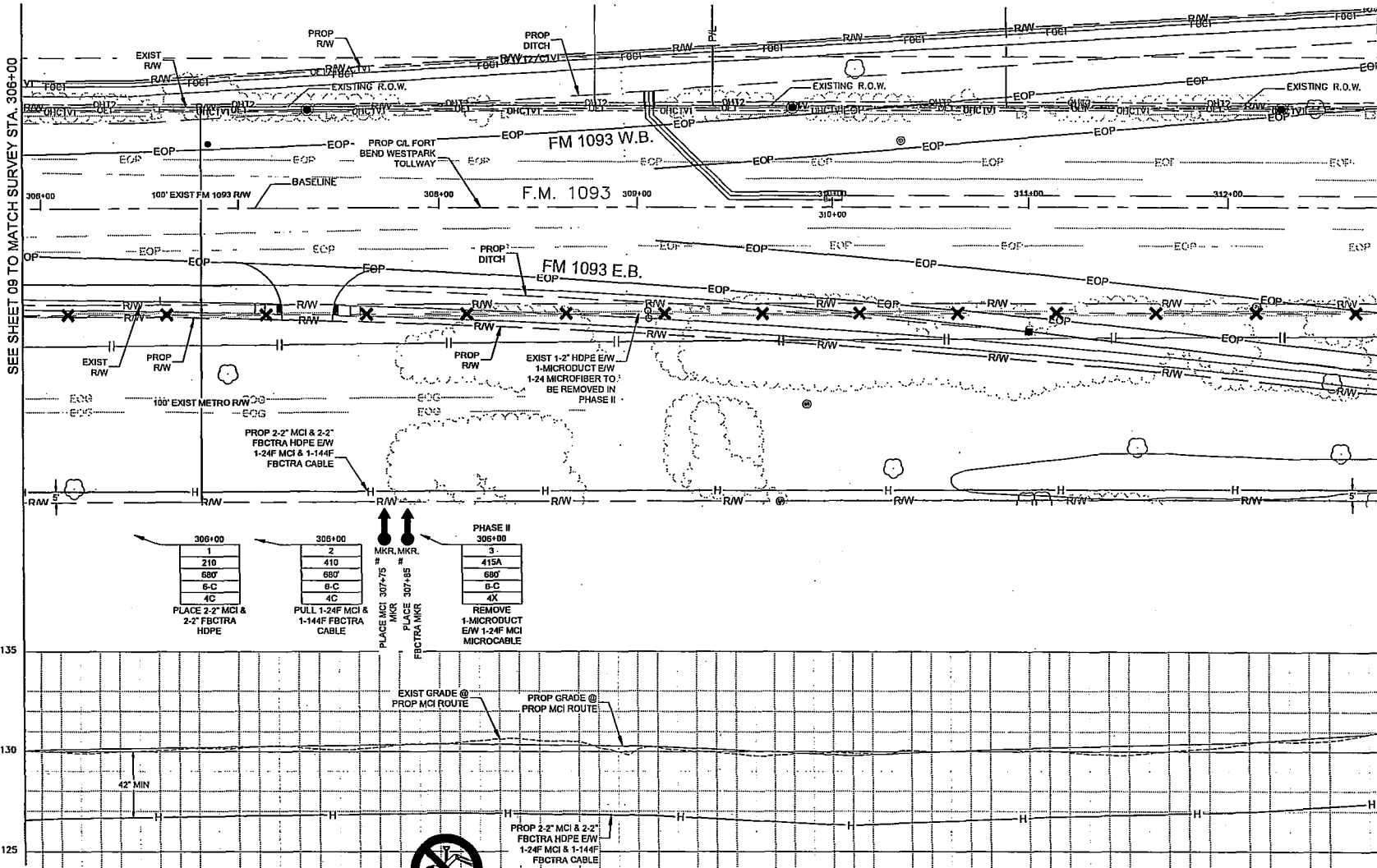


UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND FIELD OBSERVATIONS BUT ARE NOT NECESSARILY EXACT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES PRIOR TO CONSTRUCTION. COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE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



CALL BEFORE YOU DIG  
1-800-545-6095  
48 HOURS NOTICE REQUIRED

HOUSTON, TX  
FORT BEND COUNTY



SEE SHEET 09 TO MATCH SURVEY STA. 306+00

SEE SHEET 11 TO MATCH SURVEY STA. 312+80

306+00	306+00	306+00
1	2	3
210	410	415A
680	680	680
6-C	6-C	6-C
4C	4C	4X
<p>PLACE 2-2" MCI &amp; 2-2" FBCTRA HDPE</p>		
<p>PULL 1-24F MCI &amp; 1-144F FBCTRA CABLE</p>		
<p>PLACE MCI 307-75 MKR. MKR. #</p>		
<p>PLACE MCI 307-85 MKR. MKR. #</p>		
<p>REMOVE 1-MICRODUCT EW 1-24F MCI MICROCABLE</p>		



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

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

PROJECT: R40058-001  
HOUSTON, TX  
FM 1093 WESTPARK EXTENSION

CLARIFICATION NO.	QUANTITY
210	680
410	680
415A	680
710	1
710A	1

COMMUNICATION SERVICES INC  
OUTSIDE PLANT CONSTRUCTION  
TITLE: FIBER OPTIC ROUTE  
FM 1093 WESTPARK EXTENSION  
HOUSTON, TX

DATE: 8/4/15  
ENGINEER: JEFF BUEHLER  
DRAWN BY: G.F.S. (MR)

REVISIONS			
No	DATE	DESCRIPTION	BY

EXCEPT AS MAY BE OTHERWISE PROVIDED BY CONTRACT, THESE OWNERS HEREBY ACCEPTS THAT ALL COMMUNICATIONS SERVICES INC. SHALL REMAIN THE PROPERTY OF COMMUNICATIONS SERVICES INC. WITH NO RIGHTS ISSUED IN STREET CORRIDORS AND SHALL NOT BE REPRODUCED, COPIED, OR USED FOR ANY PURPOSE WITHOUT SPECIFIC WRITTEN PERMISSION

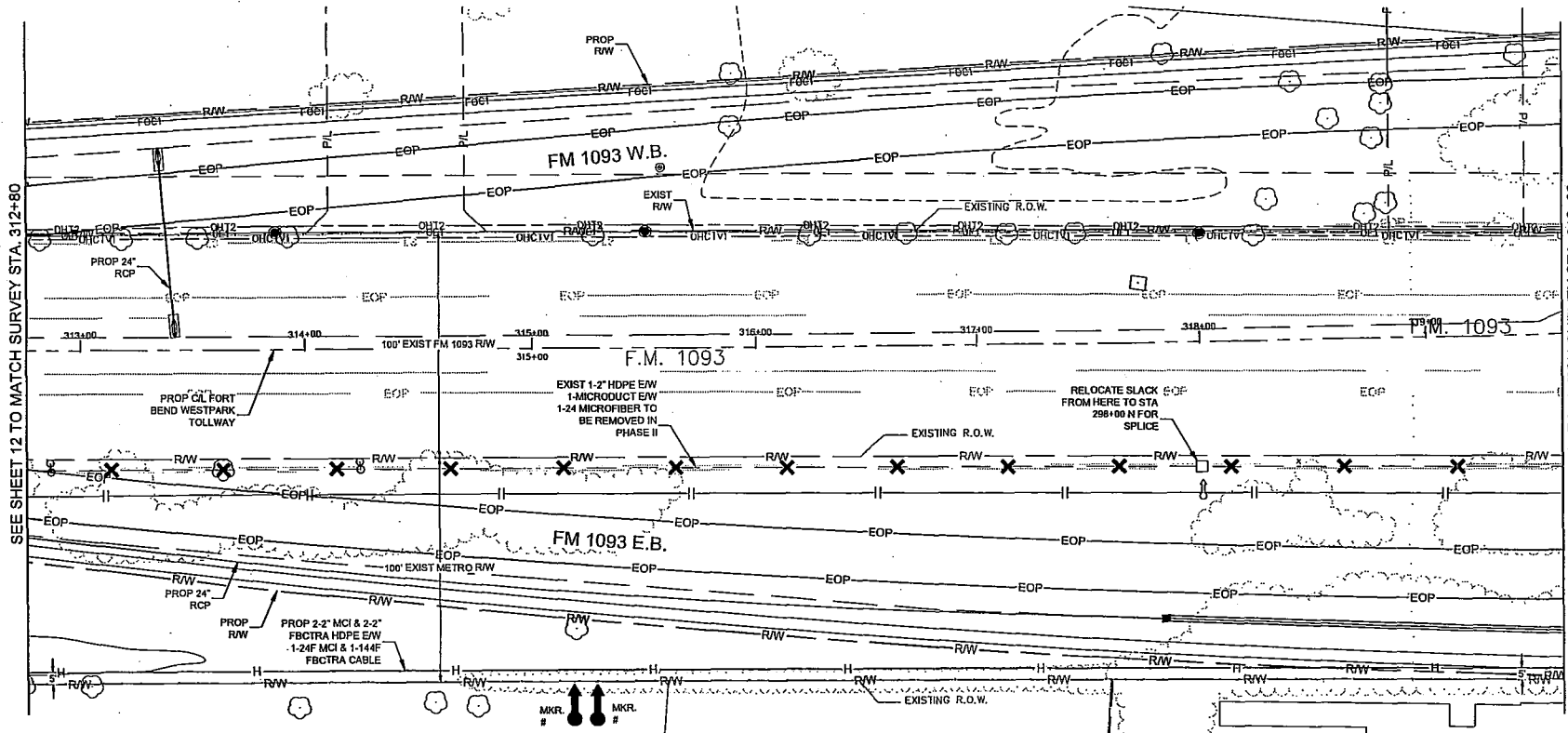
SCALE  
HORIZONTAL: 1" = 50'  
VERTICAL: 1" = 5'  
MP TO MP  
SHEET 10 OF 41  
FILE: R40058-00101010A.C&U

HOUSTON, TX  
FORT BEND COUNTY



PROJECT: R40058-001  
HOUSTON TX  
FM 1093 WESTPARK EXTENSION

CLARIFICATION NO.	QUANTITY
210	080'
218A	1
244	1
410	880'
415A	880'
710	1
710A	1



SEE SHEET 12 TO MATCH SURVEY STA. 312+80

SEE SHEET 12 TO MATCH SURVEY STA. 319+60

COMMUNICATION SERVICES INC  
OUTSIDE PLANT CONSTRUCTION  
TITLE: FIBER OPTIC ROUTE  
FM 1093 WESTPARK EXTENSION  
HOUSTON, TX

DATE: 8/4/15  
ENGINEER: JEFF BUEHLER  
DRAWN BY: G.F.S. (MR)

REVISIONS			
No.	DATE	DESCRIPTION	BY

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SCALE  
HORIZONTAL: 1"= 50'  
VERTICAL: 1"= N/A  
MP TO MP  
SHEET 11 OF 41  
FILE: R40058-00101011A.C&R

312+80

1
210
680'
6-C
4C

PLACE 2-2" MCI & 2-2" FBCTRA HDPE

312+80

2
410
680'
6-C
4C

PULL 1-24F MCI & 1-144F FBCTRA CABLE

315+25

PLACE MCI MKR #

315+35

PLACE FBCTRA MKR #

318+05

3
218A
1
6-C
4M

EXPOSE EXIST MCI HANDHOLE (RELOCATE SLACK FROM HERE TO STA 288+00 N FOR SPLICE)

PHASE II 312+80

4
415A
680'
6-C
4X

REMOVE 1-MICRODUCT EW 1-24F MCI MICROCABLE

PHASE II 318+05

5
244
1
6-C
4C

REMOVE MCI HANDHOLE

EXIST MCI HH 318+05  
MKR# 03003



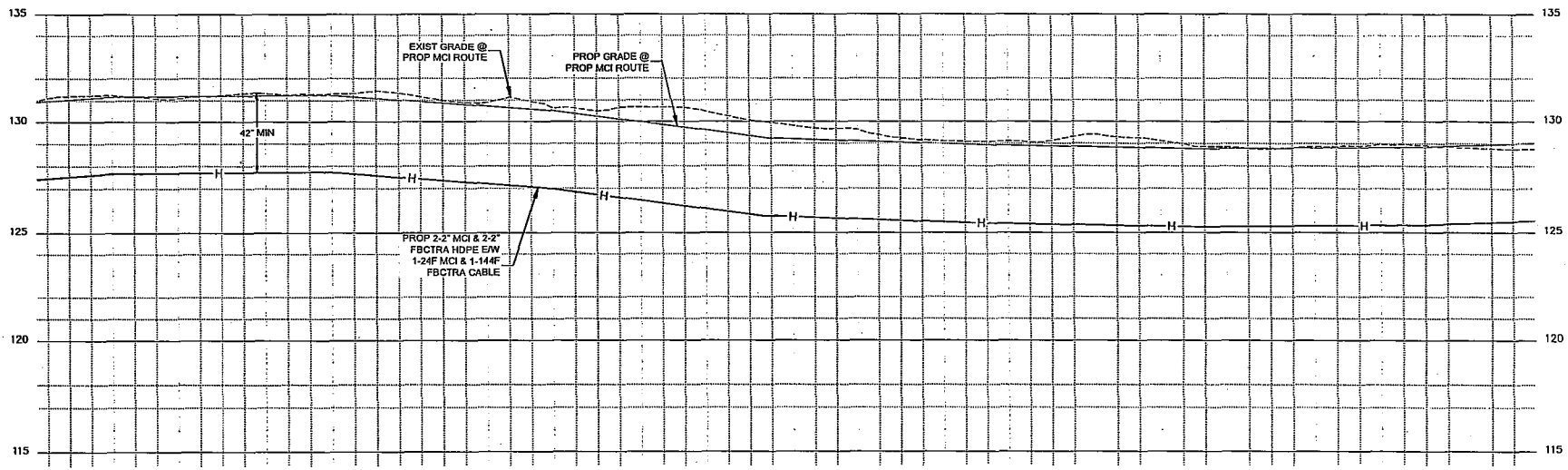
CALL BEFORE YOU DIG  
1-800-545-6005  
48 HOURS NOTICE REQUIRED

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HOUSTON, TX  
FORT BEND COUNTY



PROJECT: R40058-001  
HOUSTON, TX  
FM 1093 WESTPARK EXTENSION



COMMUNICATION SERVICES INC
OUTSIDE PLANT CONSTRUCTION
TITLE: FIBER OPTIC ROUTE
FM 1093 WESTPARK EXTENSION
HOUSTON, TX

DATE: 8/4/15  
ENGINEER: JEFF BUEHLER  
DRAWN BY: G.F.S. (MR)

REVISIONS			
No.	DATE	DESCRIPTION	BY

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SCALE  
HORIZONTAL: 1" = 50'  
VERTICAL: 1" = 5'  
MP TO MP  
SHEET 11A OF 41  
FILE: R40058-001010111B C.R&U



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HOUSTON, TX  
FORT BEND COUNTY



PROJECT: R40058-001  
HOUSTON, TX

FM 1093 WESTPARK EXTENSION

CLARIFICATION NO.	QUANTITY
210	536'
250	1
250A	1
410	786'
415A	066'
630	156'
710	2
710A	2

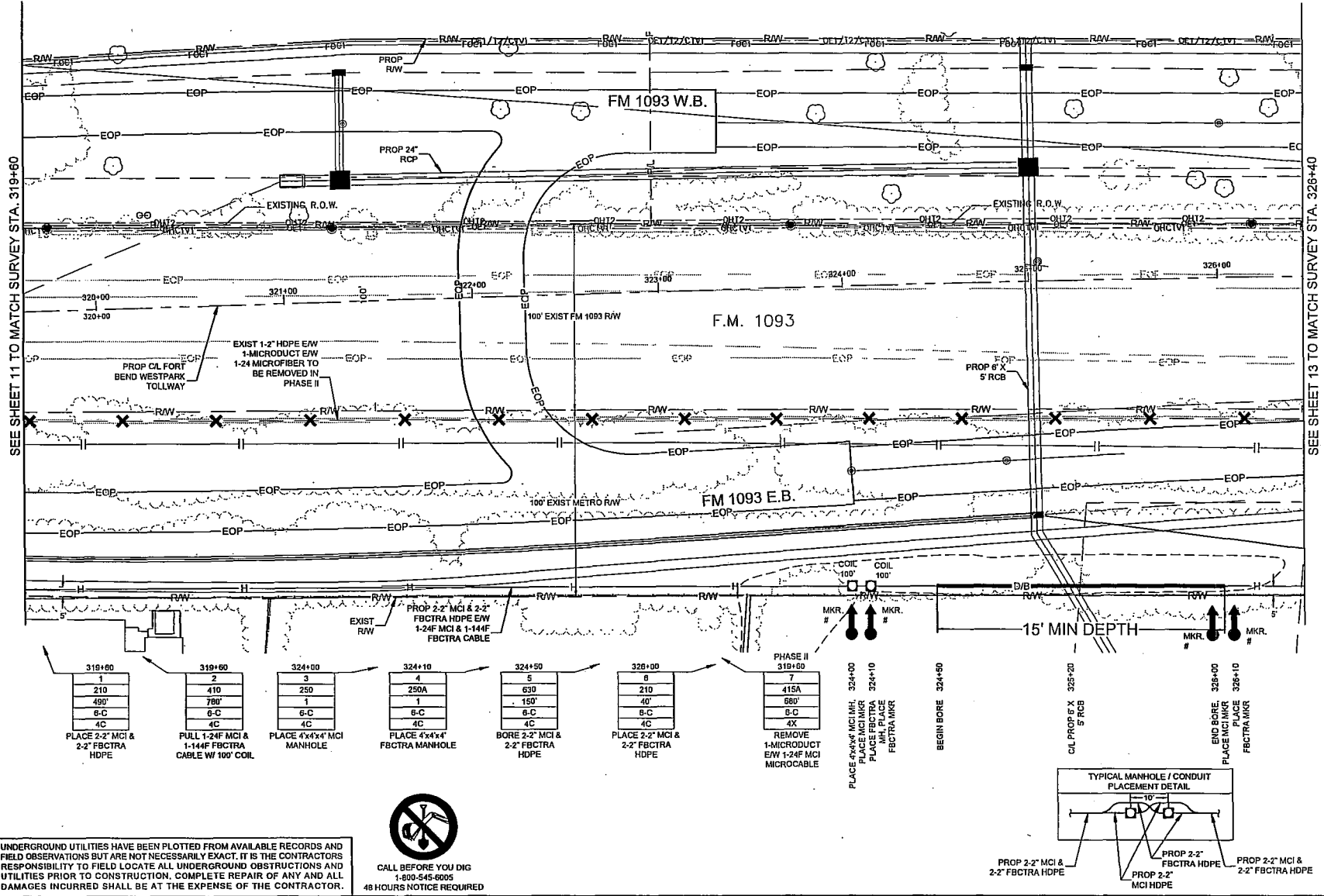
COMMUNICATION SERVICES INC  
OUTSIDE PLANT CONSTRUCTION  
TITLE: FIBER OPTIC ROUTE  
FM 1093 WESTPARK EXTENSION  
HOUSTON, TX

DATE: 8/4/15  
ENGINEER: JEFF BUEHLER  
DRAWN BY: G.F.S. (MR)

REVISIONS			
No.	DATE	DESCRIPTION	BY

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SCALE  
HORIZONTAL: 1"= 50'  
VERTICAL: 1"= N/A  
MP TO MP  
SHEET 12 OF 41  
FILE: R40058-001012A C.R.U



SEE SHEET 11 TO MATCH SURVEY STA. 319+60

SEE SHEET 13 TO MATCH SURVEY STA. 326+40

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.



1	210
4C	4C

PLACE 2-2" MCI & 2-2" FBCTRA HDPE

2	410
6-C	4C

PULL 1-24F MCI & 1-144F FBCTRA CABLE W/ 100' COIL

3	250
1	4C

PLACE 4'x4'x4' MCI MANHOLE

4	250A
1	4C

PLACE 4'x4'x4' FBCTRA MANHOLE

5	630
150'	4C

BORE 2-2" MCI & 2-2" FBCTRA HDPE

6	210
40'	4C

PLACE 2-2" MCI & 2-2" FBCTRA HDPE

7	415A
660'	4X

REMOVE 1-MICRODUCT EW 1-24F MCI MICROCABLE

8	324+00
1	4C

PLACE 2-2" MCI & 2-2" FBCTRA HDPE

9	324+10
1	4C

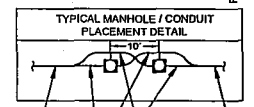
PLACE 2-2" MCI & 2-2" FBCTRA HDPE

10	325+20
1	4C

CUL PROP 6" X 5" RCB

11	326+00
1	4C

END BORE. 326+00 PLACE MCI MKR FBCTRA MKR

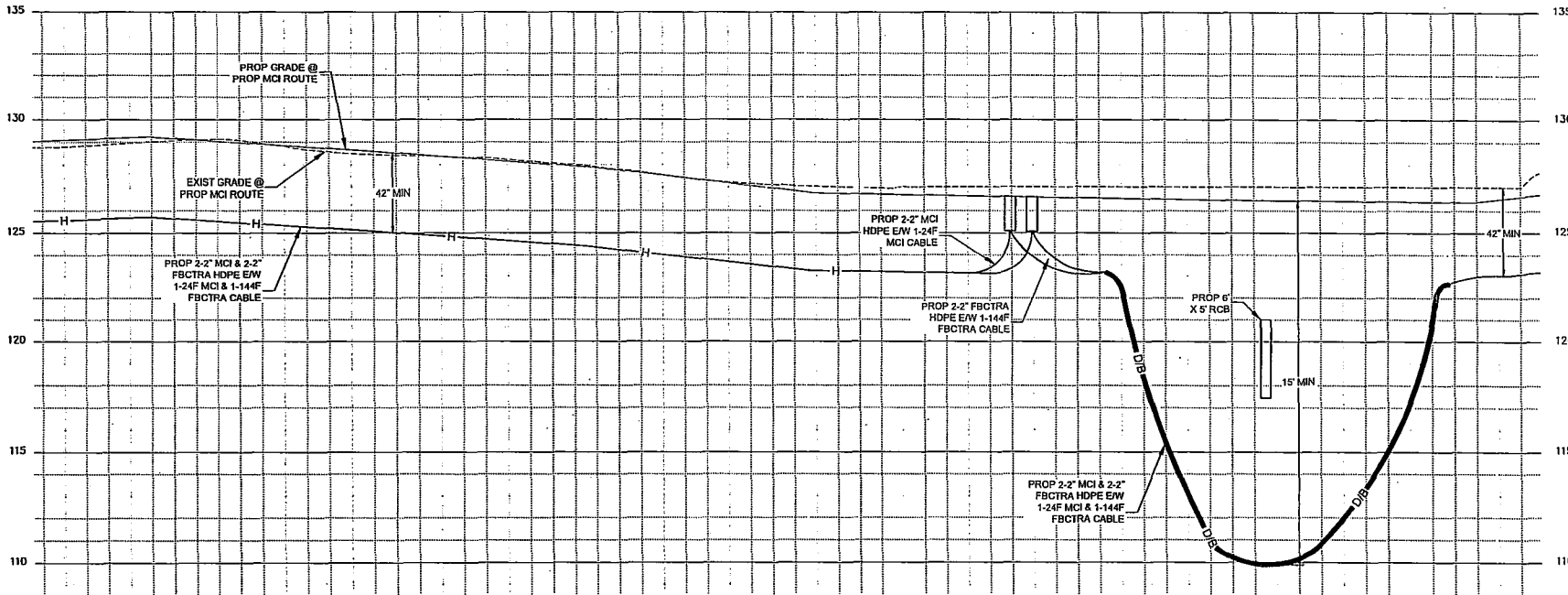


PROP 2-2" MCI & 2-2" FBCTRA HDPE  
PROP 2-2" MCI HDPE  
PROP 2-2" MCI & 2-2" FBCTRA HDPE

HOUSTON, TX  
FORT BEND COUNTY



PROJECT: R40058-001  
HOUSTON, TX  
FM 1093 WESTPARK EXTENSION



COMMUNICATION SERVICES INC  
OUTSIDE PLANT CONSTRUCTION  
TITLE: FIBER OPTIC ROUTE  
FM 1093 WESTPARK EXTENSION  
HOUSTON, TX

DATE: 8/4/15  
ENGINEER: JEFF BUEHLER  
DRAWN BY: G.F.S. (MR)

REVISIONS			
No.	DATE	DESCRIPTION	BY

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SCALE

HORIZONTAL: 1" = 50'

VERTICAL: 1" = 5'

MP TO MP

SHEET 12A OF 41

FILE: R40058-00101012B,C,R&U

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



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1-800-545-6005  
48 HOURS NOTICE REQUIRED

HOUSTON, TX  
FORT BEND COUNTY

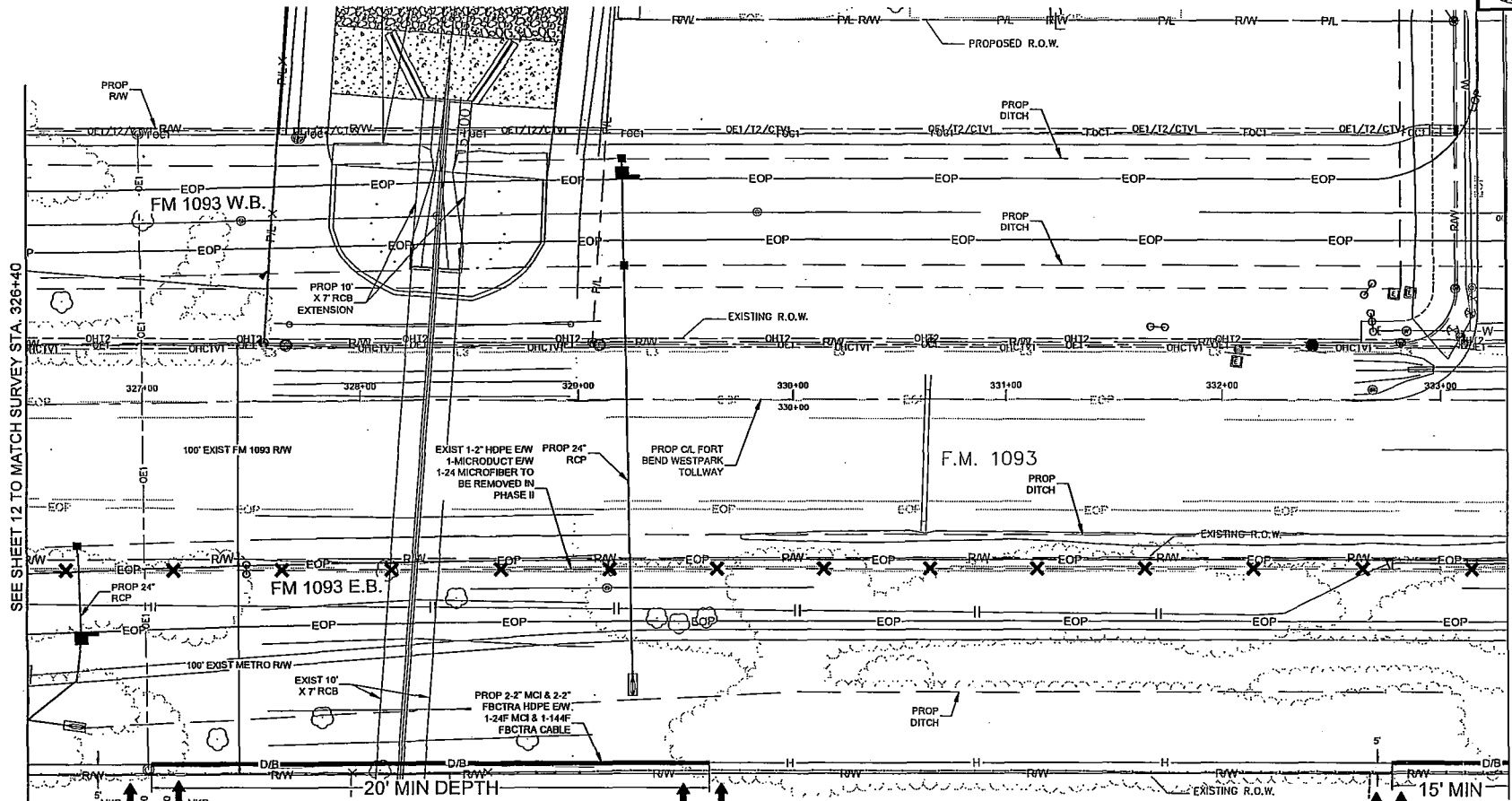


verizonbusiness

PROJECT: R40058-001

HOUSTON, TX  
FM 1093 WESTPARK EXTENSION

CLARIFICATION NO.	QUANTITY
210	385'
410	690'
415A	690'
630	305'
710	3
710A	3



SEE SHEET 12 TO MATCH SURVEY STA. 326+40

SEE SHEET 14 TO MATCH SURVEY STA. 333+30

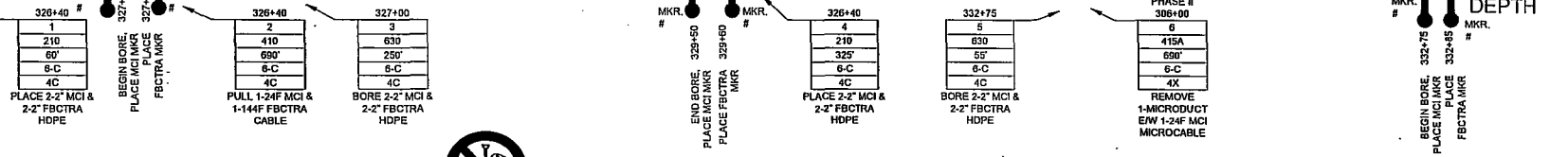
COMMUNICATION SERVICES INC  
OUTSIDE PLANT CONSTRUCTION  
TITLE: FIBER OPTIC ROUTE  
FM 1093 WESTPARK EXTENSION  
HOUSTON, TX

DATE: 8/4/15  
ENGINEER: JEFF BUEHLER  
DRAWN BY: G.F.S. (MR)

REVISIONS		
No.	DATE	DESCRIPTION

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SCALE  
HORIZONTAL: 1"= 50'  
VERTICAL: 1"= N/A  
MP TO MP  
SHEET 13 OF 41  
FILE: R40058-001013A.C&U



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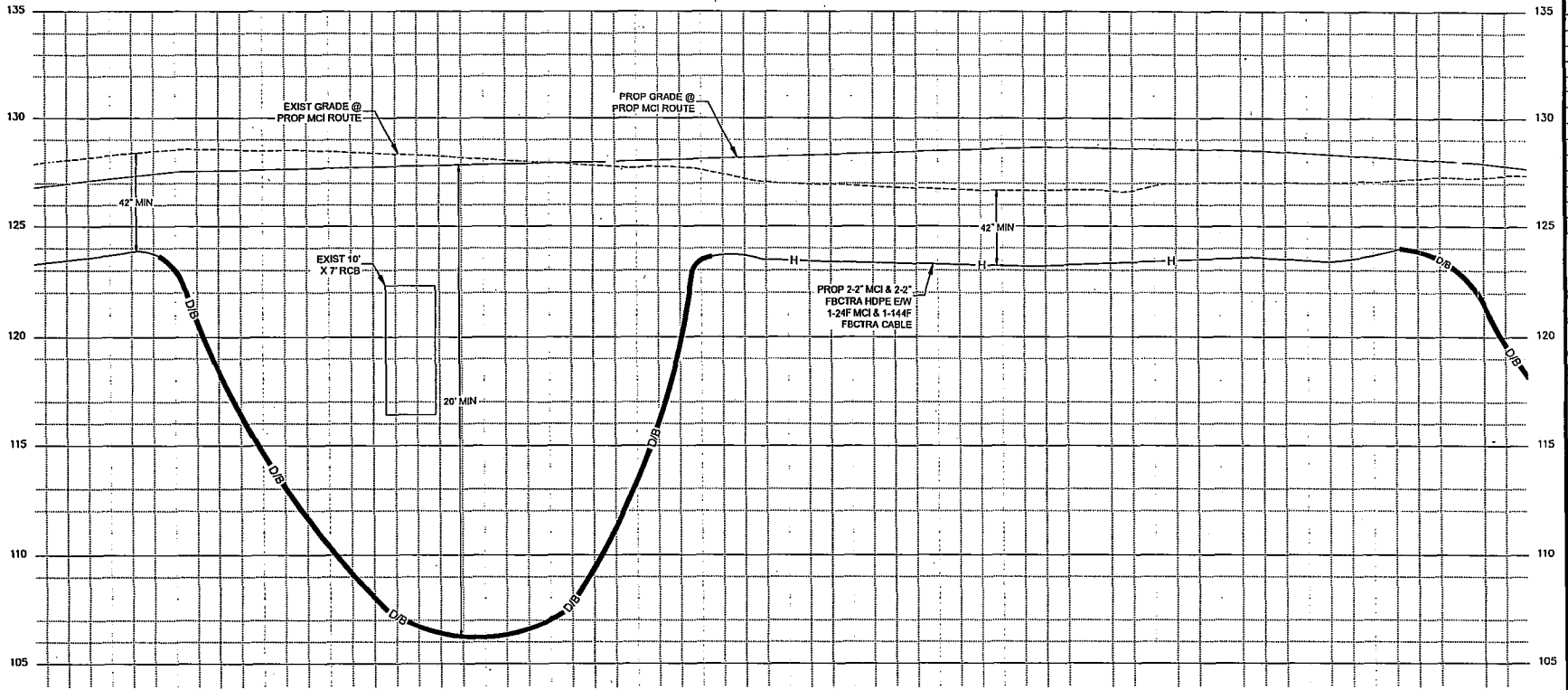


CALL BEFORE YOU DIG  
1-800-545-0005  
48 HOURS NOTICE REQUIRED

HOUSTON, TX  
FORT-BEND COUNTY



PROJECT: R40058-001  
HOUSTON, TX  
FM 1093 WESTPARK EXTENSION



MCI  
COMMUNICATION SERVICES INC  
OUTSIDE PLANT CONSTRUCTION  
TITLE: FIBER OPTIC ROUTE  
FM 1093 WESTPARK EXTENSION  
HOUSTON, TX

DATE: 8/4/15  
ENGINEER: JEFF BUEHLER  
DRAWN BY: G.F.S. (MR)

REVISIONS		
No.	DATE	DESCRIPTION

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SCALE  
HORIZONTAL: 1" = 50'  
VERTICAL: 1" = 5'  
MP TO MP  
SHEET 13A OF 41  
FILE: R40058-00101013 B C.R&U

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.



HOUSTON, TX  
FORT BEND COUNTY



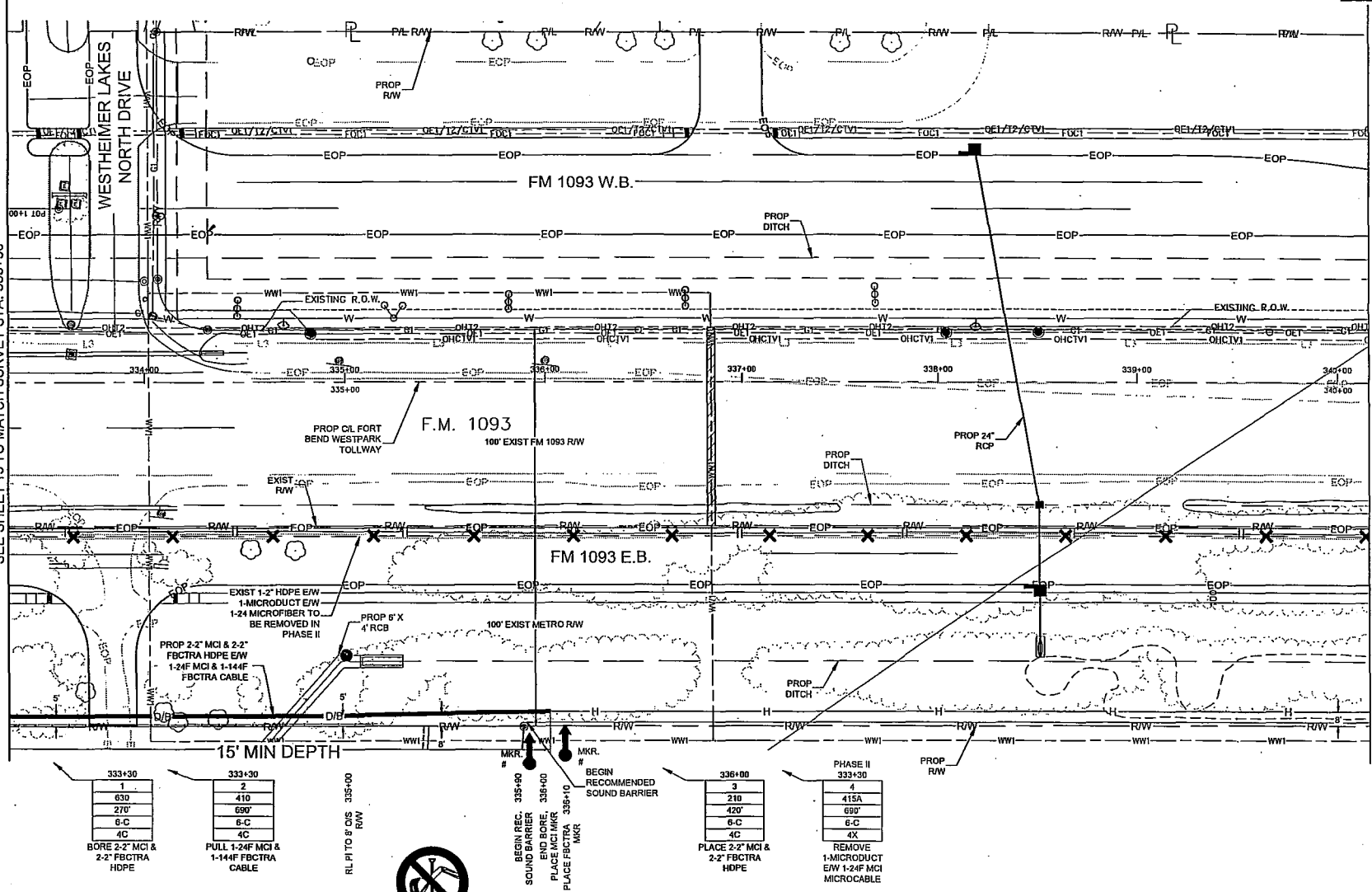
verizonbusiness

PROJECT: R40058-001  
HOUSTON, TX  
FM 1093 WESTPARK EXTENSION

CLARIFICATION NO.	QUANTITY
210	420'
410	690'
415A	690'
630	270'
710	1
710A	1

SEE SHEET 15 TO MATCH SURVEY STA. 340+20

SEE SHEET 13 TO MATCH SURVEY STA. 333+30



COMMUNICATION SERVICES INC  
OUTSIDE PLANT CONSTRUCTION  
TITLE: FIBER OPTIC ROUTE  
FM 1093 WESTPARK EXTENSION  
HOUSTON, TX

DATE: 8/4/15  
ENGINEER: JEFF BUEHLER  
DRAWN BY: G.F.S. (MR)

REVISIONS			
No.	DATE	DESCRIPTION	BY

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**SCALE**  
HORIZONTAL: 1" = 50'  
VERTICAL: 1" = N/A  
MP TO MP  
SHEET 14 OF 41  
FILE: R40058-001014A.C.R.U.

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  
48 HOURS NOTICE REQUIRED

333+30	333+30
1	2
630	410
270'	690'
6-C	6-C
4C	4C
BORE 2-2" MCI & 2-2" FBCTRA HDPE	PULL 1-24F MCI & 1-144F FBCTRA CABLE

BEGIN REC. 335+90  
SOUND BARRIER  
END BORE 336+00  
PLACE MCI MKR  
PLACE FBCTRA 335+10  
MKR

336+00
3
210
420'
6-C
4C
PLACE 2-2" MCI & 2-2" FBCTRA HDPE

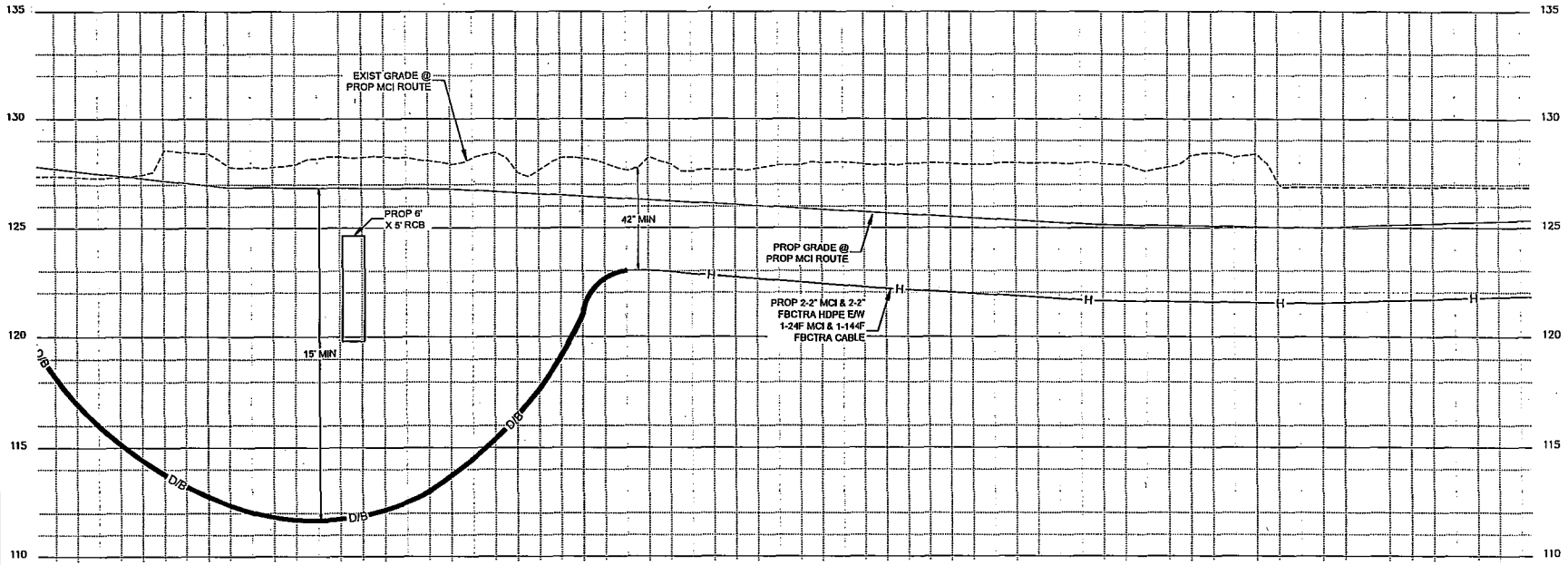
PHASE II 333+30

4
415A
690'
6-C
4X
REMOVE 1-MICRODUCT E/W 1-24F MCI MICROCABLE

HOUSTON, TX  
FORT BEND COUNTY



PROJECT: R40058-001  
HOUSTON, TX  
FM 1093 WESTPARK EXTENSION



COMMUNICATION SERVICES INC  
MCI  
OUTSIDE PLANT CONSTRUCTION  
TITLE: FIBER OPTIC ROUTE  
FM 1093 WESTPARK EXTENSION  
HOUSTON, TX

DATE: 8/4/15  
ENGINEER: JEFF BUEHLER  
DRAWN BY: G.F.S. (MR)

REVISIONS			
No.	DATE	DESCRIPTION	BY

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SCALE  
HORIZONTAL: 1" = 50'  
VERTICAL: 1" = 5'  
MP TO MP  
SHEET 14A OF 41  
FILE: R40058-001014B C.R&U

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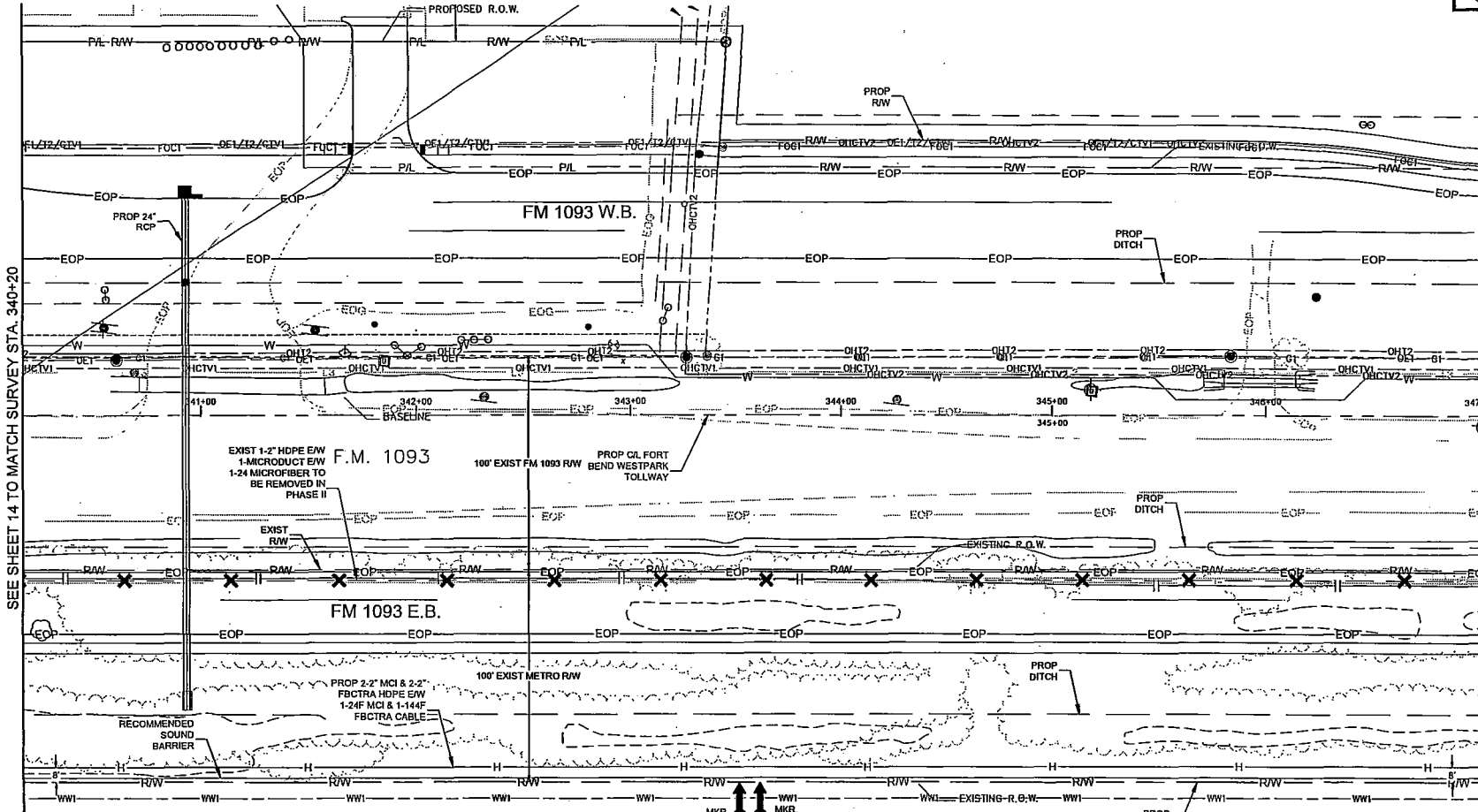
CALL BEFORE YOU DIG  
1-800-545-6005  
48 HOURS NOTICE REQUIRED

HOUSTON, TX  
FORT BEND COUNTY



PROJECT: R40058-001  
HOUSTON, TX  
FM 1093 WESTPARK EXTENSION

CLARIFICATION NO.	QUANTITY
210	680'
410	680'
415A	680'
710	1
710A	1



SEE SHEET 14 TO MATCH SURVEY STA. 340+20

SEE SHEET 16 TO MATCH SURVEY STA. 347+00

COMMUNICATION SERVICES INC  
OUTSIDE PLANT CONSTRUCTION  
TITLE: FIBER OPTIC ROUTE  
FM 1093 WESTPARK EXTENSION  
HOUSTON, TX

DATE: 8/1/15  
ENGINEER: JEFF BUEHLER  
DRAWN BY: G.F.S. (MR)

REVISIONS			
No.	DATE	DESCRIPTION	BY

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

SCALE  
HORIZONTAL: 1" = 50'  
VERTICAL: 1" = N/A  
MP TO MP  
SHEET 15 OF 41  
FILE: R40058-001015A C.R&U

- 340+20  
1  
210  
680'  
6-C  
4C  
PLACE 2-2" MCI & 2-2" FBCTRA HDPE
- 340+20  
2  
410  
680'  
6-C  
4C  
PULL 1-24" MCI & 1-144" FBCTRA CABLE
- PHASE II  
340+20  
3  
415A  
680'  
6-C  
4X  
REMOVE 1-MICRODUCT E/W 1-24" MCI MICROCABLE



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

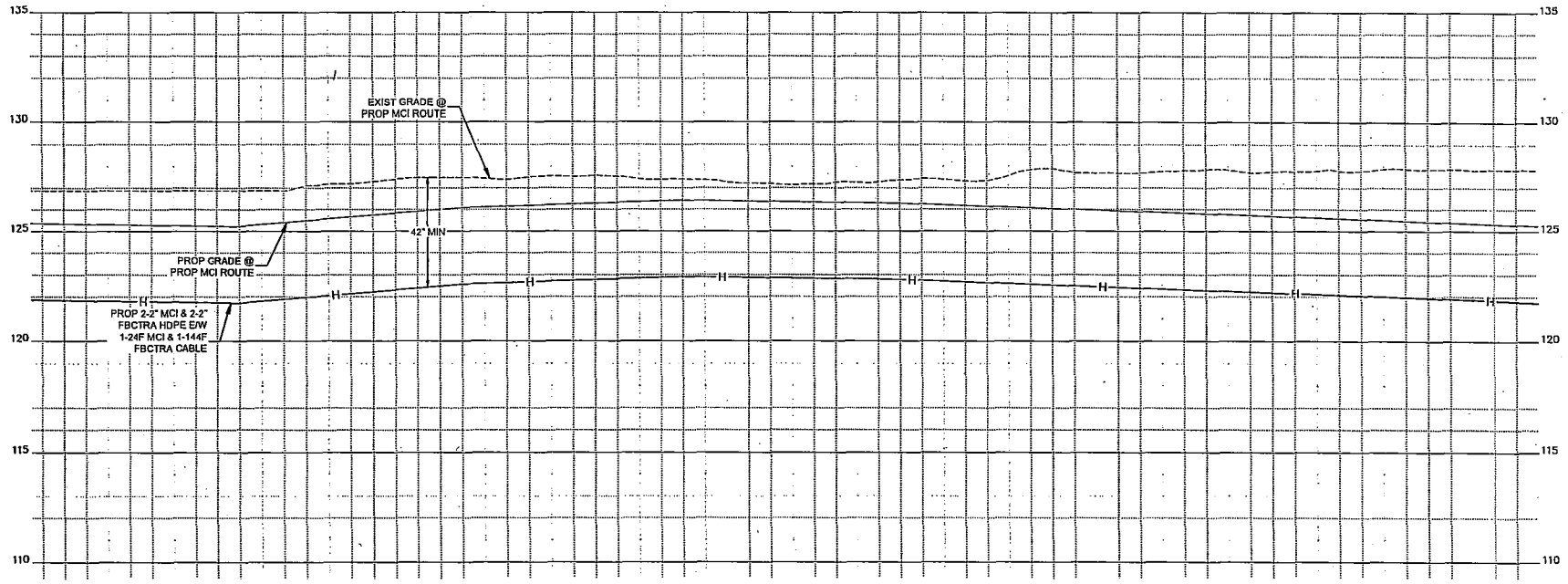
UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND FIELD OBSERVATIONS BUT ARE NOT NECESSARILY EXACT. IT IS THE CONTRACTORS RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES PRIOR TO CONSTRUCTION. COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE EXPENSE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

PLACE MCI MKR 343+50  
PLACE FBCTRA MKR 343+50

HOUSTON, TX  
FORT BEND COUNTY



PROJECT: R40058-001  
HOUSTON, TX  
FM 1093 WESTPARK EXTENSION



COMMUNICATION SERVICES INC  
OUTSIDE PLANT CONSTRUCTION  
TITLE: FIBER OPTIC ROUTE  
FM 1093 WESTPARK EXTENSION  
HOUSTON, TX

DATE: 8/4/15  
ENGINEER: JEFF BUEHLER  
DRAWN BY: G.F.S. (MR)

REVISIONS			
No.	DATE	DESCRIPTION	BY

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SCALE  
HORIZONTAL: 1" = 50'  
VERTICAL: 1" = 5'  
MP TO MP  
SHEET 15A OF 41  
FILE: R40058-00101015B C.R8U

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.



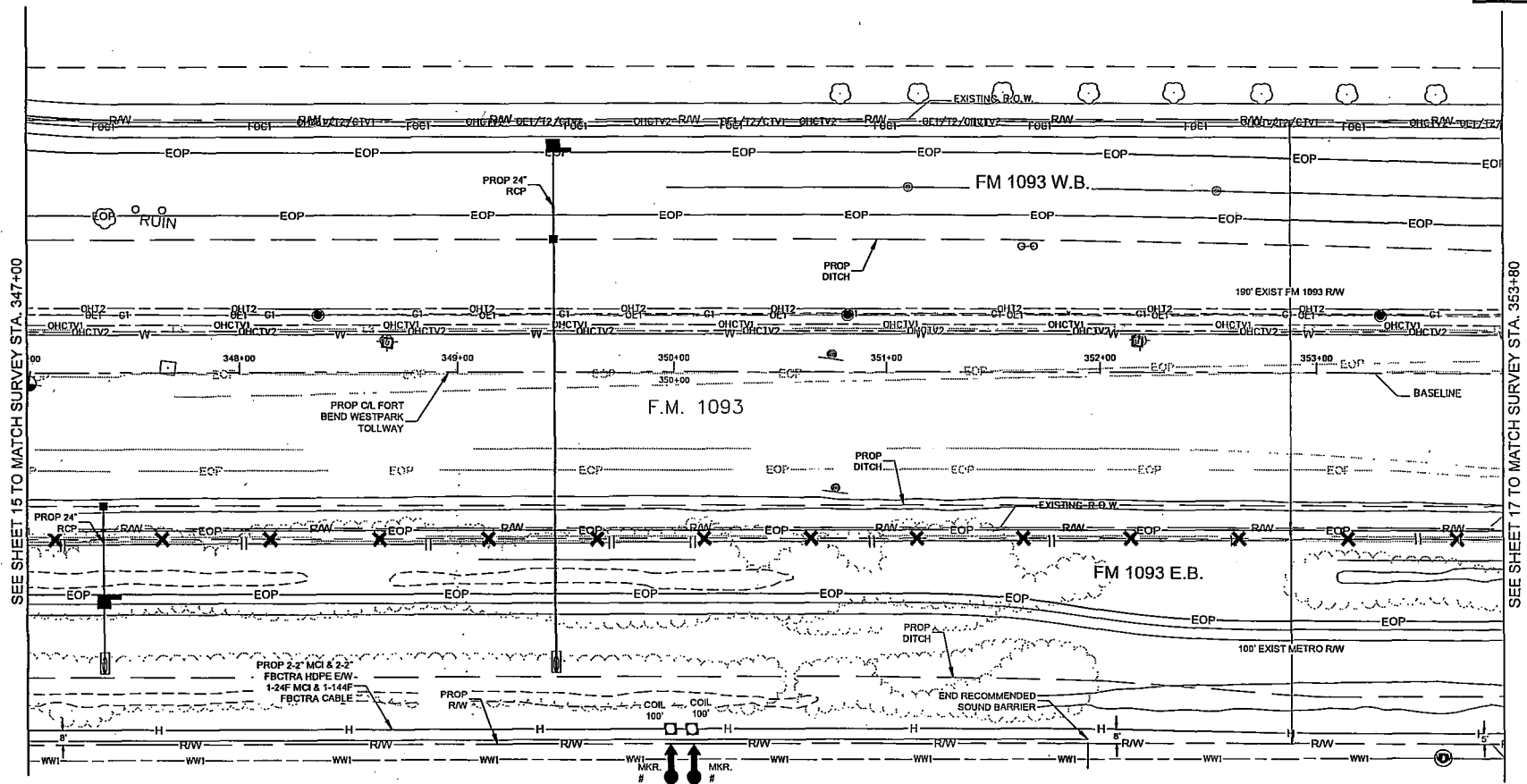
CALL BEFORE YOU DIG  
1-800-545-6005  
48 HOURS NOTICE REQUIRED

HOUSTON, TX  
FORT BEND COUNTY



PROJECT: R40058-001  
HOUSTON, TX  
FM 1093 WESTPARK EXTENSION

CLARIFICATION NO.	QUANTITY
210	680'
250	1
250A	1
410	780'
415A	680'
710	1
710A	1



SEE SHEET 15 TO MATCH SURVEY STA. 347+00

SEE SHEET 17 TO MATCH SURVEY STA. 353+80

COMMUNICATION SERVICES INC  
MCI  
OUTSIDE PLANT CONSTRUCTION  
TITLE: FIBER OPTIC ROUTE  
FM 1093 WESTPARK EXTENSION  
HOUSTON, TX

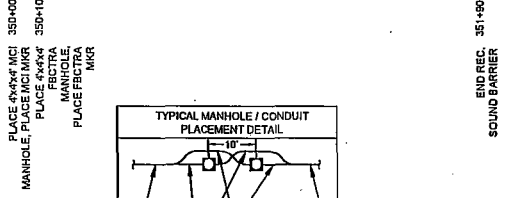
DATE: 8/4/15  
ENGINEER: JEFF BUEHLER  
DRAWN BY: G.F.S. (MR)

REVISIONS			
NO.	DATE	DESCRIPTION	BY

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SCALE  
HORIZONTAL: 1" = 50'  
VERTICAL: 1" = N/A  
MP TO MP  
SHEET 18 OF 41  
FILE: R40058-00101016A C.R&U

- 347+00  
1  
210  
680'  
6-C  
4C  
PLACE 2-2" MCI & 2-2" FBCTRA HDPE
- 347+00  
2  
410  
780'  
6-C  
4C  
PULL 1-24F MCI & 1-144F FBCTRA W/ 100' COIL IN MH
- 350+00  
3  
250  
1  
6-C  
4C  
PLACE 4x4x4' MCI MANHOLE
- 350+10  
4  
250A  
1  
6-C  
4C  
PLACE 4x4x4' FBCTRA MANHOLE



- PHASE II  
347+00  
5  
415A  
680'  
6-C  
4X  
REMOVE 1-MICRODUCT EW 1-24F MCI MICROCABLE

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.

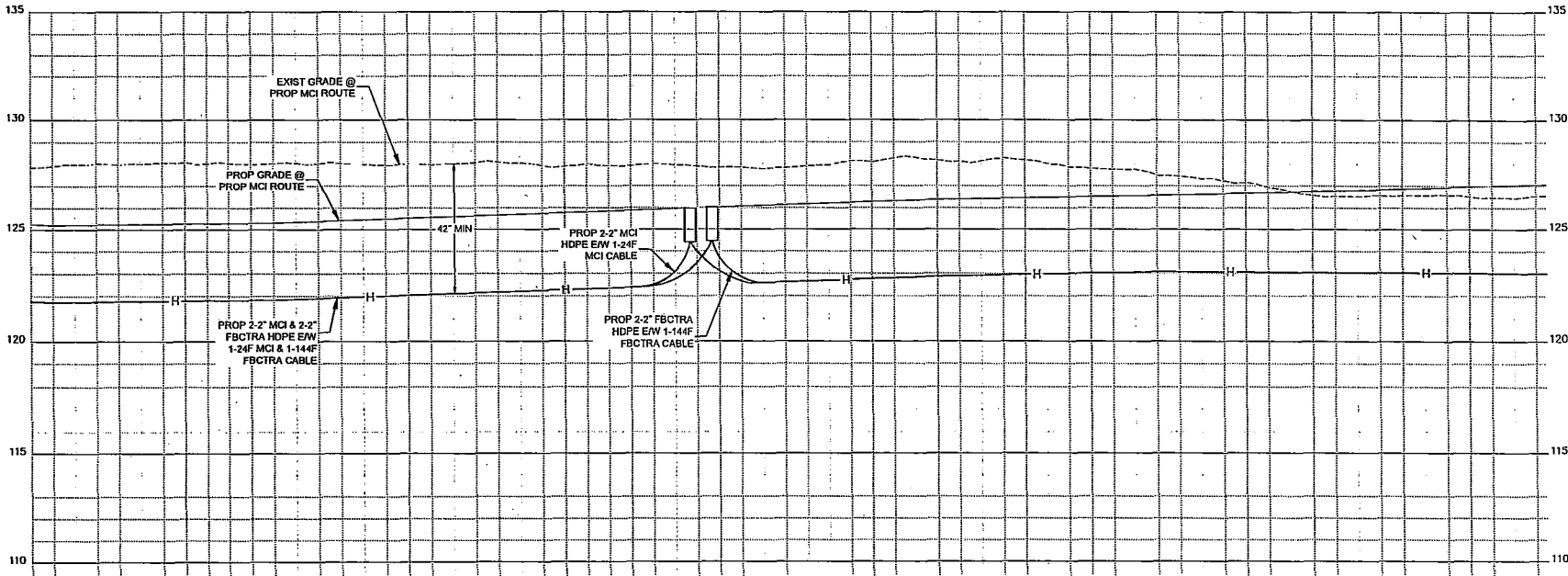
CALL BEFORE YOU DIG  
1-800-545-6005  
48 HOURS NOTICE REQUIRED

PROP 2-2" MCI & 2-2" FBCTRA HDPE  
PROP 2-2" MCI HOPE  
PROP 2-2" MCI & 2-2" FBCTRA HDPE

HOUSTON, TX  
FORT BEND COUNTY



PROJECT: R40058-001  
HOUSTON, TX  
FM 1093 WESTPARK EXTENSION



COMMUNICATION SERVICES INC  
OUTSIDE PLANT CONSTRUCTION  
TITLE: FIBER OPTIC ROUTE  
FM 1093 WESTPARK EXTENSION  
HOUSTON, TX

DATE: 8/4/15  
ENGINEER: JEFF BUEHLER  
DRAWN BY: G.F.S. (MR)

REVISIONS		
No.	DATE	DESCRIPTION

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SCALE  
HORIZONTAL: 1" = 50'  
VERTICAL: 1" = 5'  
MP TO MP  
SHEET 16A OF 41  
FILE: R40058-001016B C.R&U

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  
1-800-545-6005  
48 HOURS NOTICE REQUIRED

HOUSTON, TX  
FORT BEND COUNTY



PROJECT: R40058-001  
HOUSTON, TX  
FM 1093 WESTPARK EXTENSION

CLARIFICATION NO.	QUANTITY
210	340'
244	1
410	690'
415A	690'
630	350'
710	2
710A	2

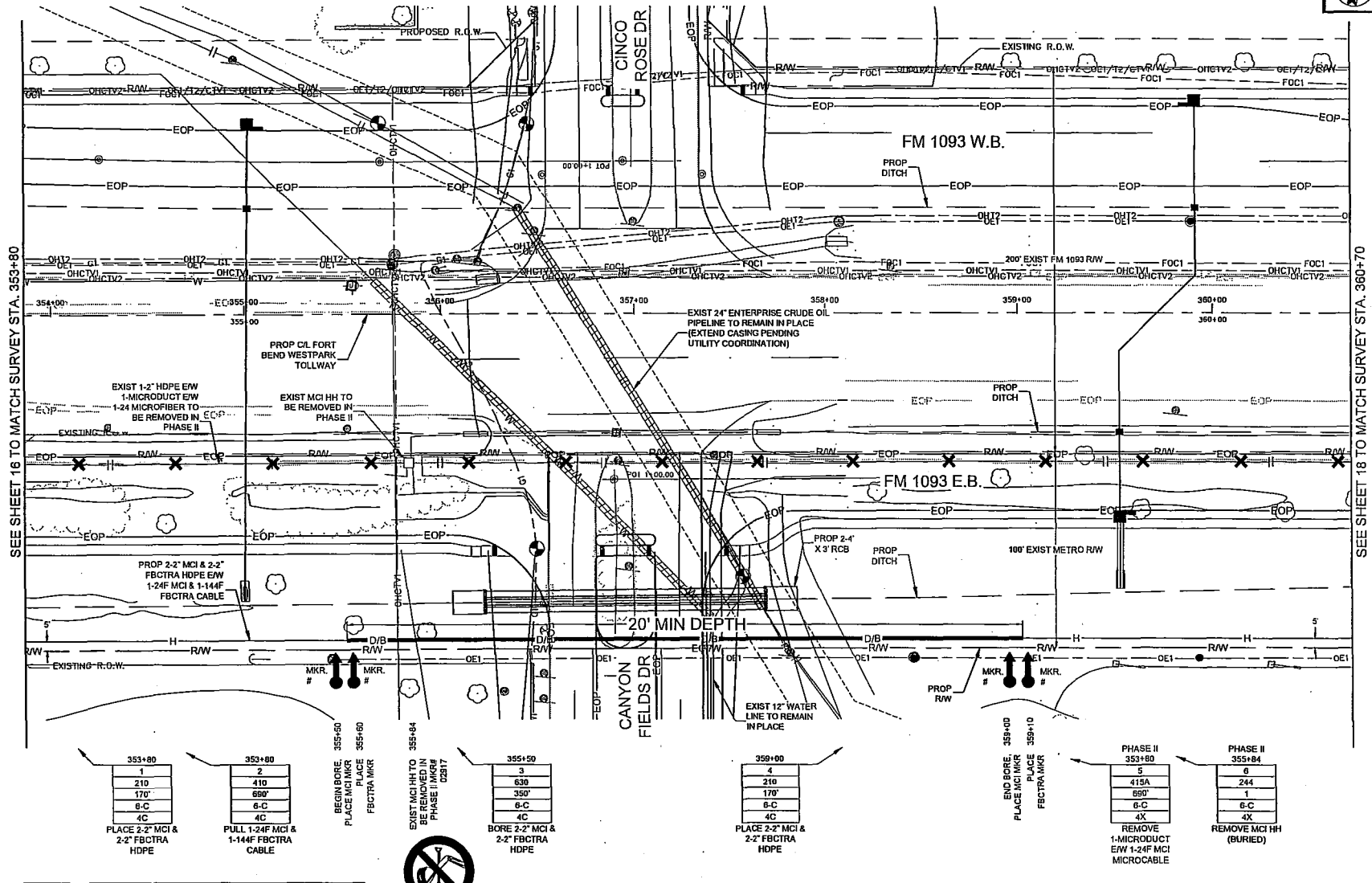
COMMUNICATION SERVICES INC  
OUTSIDE PLANT CONSTRUCTION  
TITLE: FIBER OPTIC ROUTE  
FM 1093 WESTPARK EXTENSION  
HOUSTON, TX

DATE: 8/4/15  
ENGINEER: JEFF BUEHLER  
DRAWN BY: G.F.S. (MR)

REVISIONS		
No.	DATE	DESCRIPTION

EXCEPT AS MAY BE OTHERWISE PROVIDED BY CONTRACT, THESE DRAWINGS AND PORTION THEREOF SHALL REMAIN THE PROPERTY OF MCI COMMUNICATIONS SERVICES INC. NOTHING IS TO BE REPRODUCED, COPIED, OR USED FOR ANY PURPOSE WITHOUT SPECIFIC WRITTEN PERMISSION.

SCALE  
HORIZONTAL: 1"= 50'  
VERTICAL: 1"= N/A  
MP TO MP  
SHEET 17 OF 41  
FILE: R40058-00101017A.CRS



SEE SHEET 16 TO MATCH SURVEY STA. 353+80

SEE SHEET 18 TO MATCH SURVEY STA. 360+70

353+80	
1	210
170'	6-C
4C	

PLACE 2-2" MCI & 2-2" FBCTRA HDPE

353+80	
2	410
690'	6-C
4C	

PULL 1-24F MCI & 1-144F FBCTRA CABLE

BEGIN BORE, PLACE MCI MKR  
PLACE MCI MKR  
PLACE FBCTRA MKR



CALL BEFORE YOU DIG  
1-800-545-0005  
48 HOURS NOTICE REQUIRED

355+50	
3	630
350'	6-C
4C	

BORE 2-2" MCI & 2-2" FBCTRA HDPE

359+00	
4	210
170'	6-C
4C	

PLACE 2-2" MCI & 2-2" FBCTRA HOPE

END BORE, PLACE MCI MKR  
PLACE MCI MKR  
PLACE FBCTRA MKR

PHASE II 353+80	
5	415A
170'	6-C
4X	

REMOVE 1-MICRODUCT EW 1-24F MCI MICROCABLE

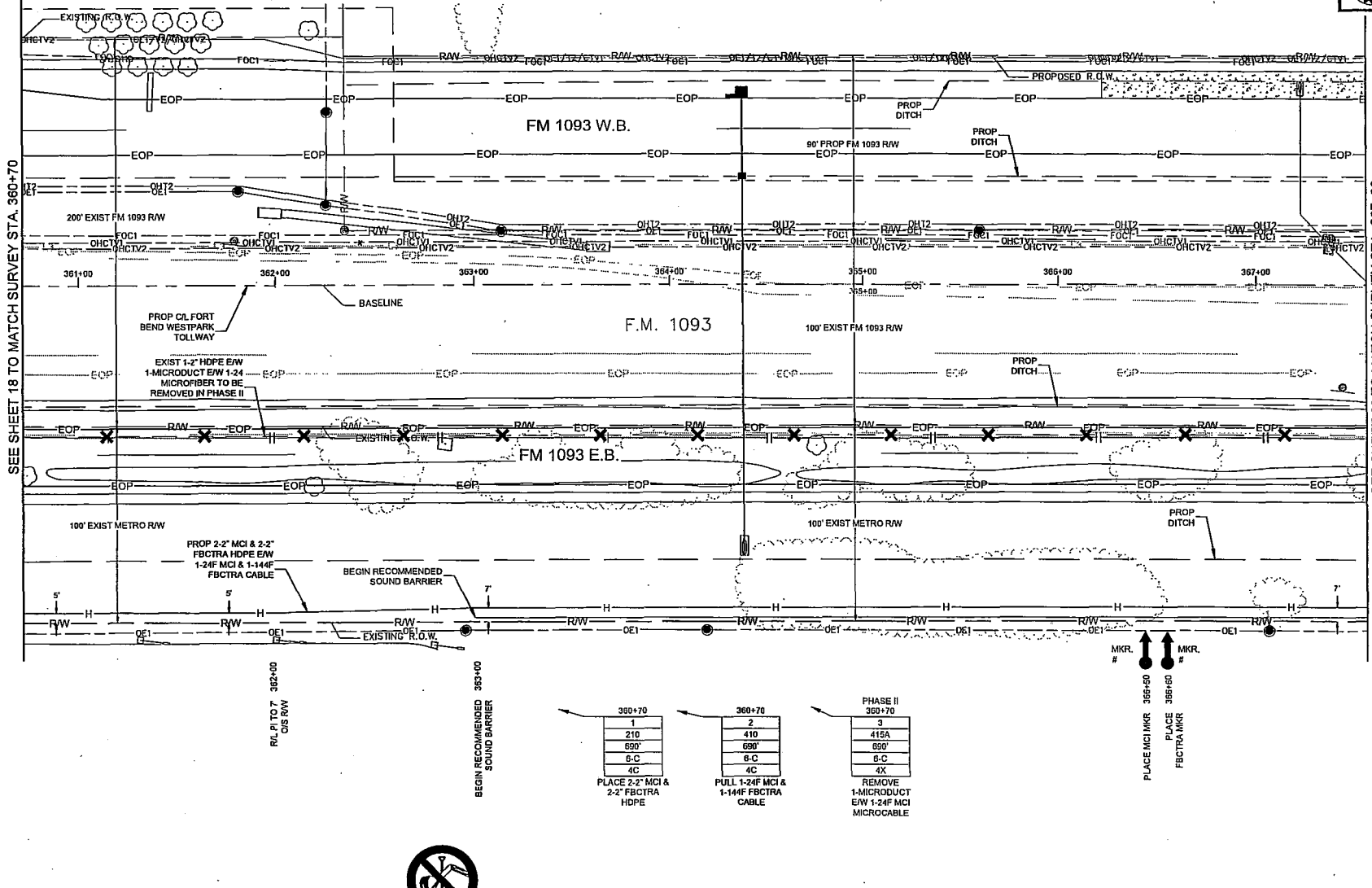
PHASE II 355+84	
6	244
1	6-C
4X	

REMOVE MCI HH (BURIED)

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.



HOUSTON, TX  
FORT BEND COUNTY



SEE SHEET 18 TO MATCH SURVEY STA. 360+70

SEE SHEET 20 TO MATCH SURVEY STA. 367+60

PROJECT: R40058-001  
HOUSTON, TX  
FM 1093 WESTPARK EXTENSION

CLARIFICATION NO.	QUANTITY
210	090'
410	090'
415A	090'
710	1
710A	1

COMMUNICATION SERVICES INC  
OUTSIDE PLANT CONSTRUCTION  
TITLE: FIBER OPTIC ROUTE  
FM 1093 WESTPARK EXTENSION  
HOUSTON, TX

DATE: 8/4/15  
ENGINEER: JEFF BUEHLER  
DRAWN BY: G.F.S. (MR)

REVISIONS			
No.	DATE	DESCRIPTION	BY

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SCALE  
HORIZONTAL: 1" = 50'  
VERTICAL: 1" = N/A  
MP TO MP  
SHEET 18 OF 41  
FILE: R40058-00101018A.C.R&U

R/L P. TO 7' 362+00  
O/S R/W

BEGIN RECOMMENDED SOUND BARRIER

360+70

1
210
690'
6-C
4C

PLACE 2.2" MCI & 2.2" FBCTRA HDPE

360+70

2
410
690'
6-C
4C

PULL 1.24F MCI & 1.144F FBCTRA CABLE

PHASE II  
360+70

3
415A
690'
6-C
4X

REMOVE 1-MICRODUCT E/W 1-24F MCI MICRO CABLE

MKR #  
↑  
PLACE MCI MKR 366+50  
↑  
PLACE FBCTRA MKR 366+50



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

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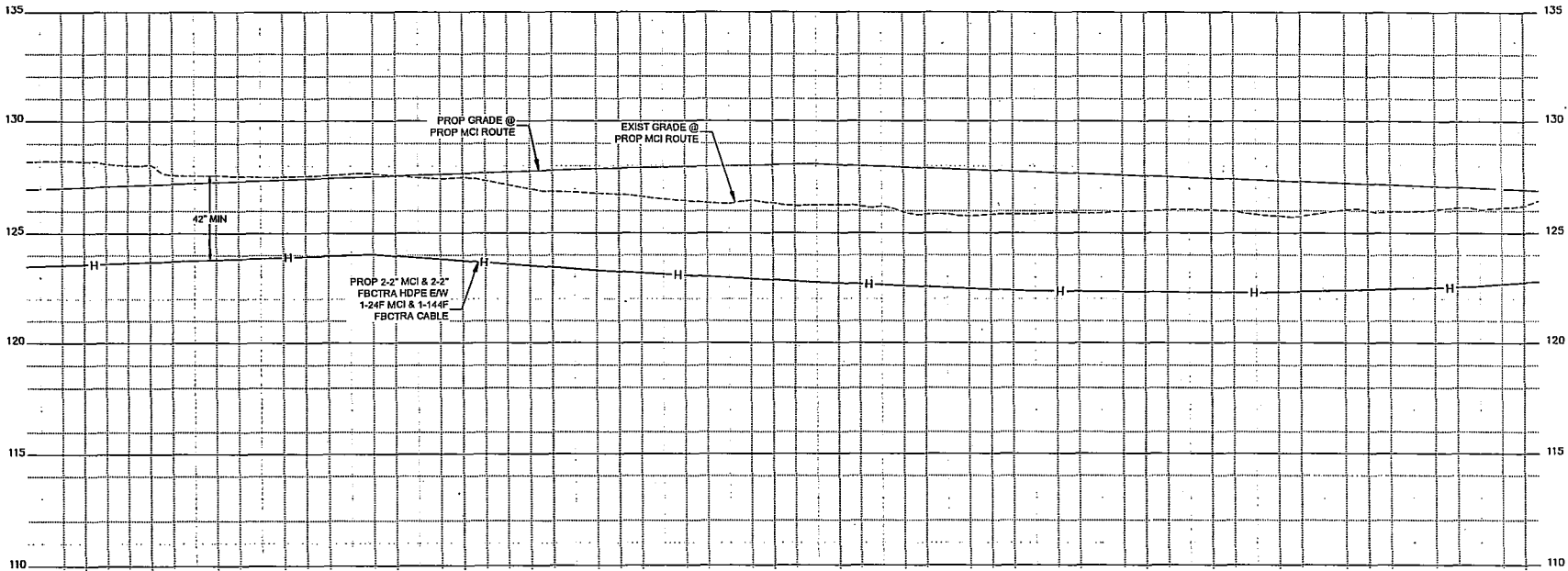
HOUSTON, TX  
FORT BEND COUNTY



PROJECT: R40058-001

HOUSTON, TX

FM 1093 WESTPARK EXTENSION



PROP 2-2" MCI & 2-2"  
FBCTRA HDPE E/W  
1-24F MCI & 1-144F  
FBCTRA CABLE

PROP GRADE @  
PROP MCI ROUTE

EXIST GRADE @  
PROP MCI ROUTE

42" MIN

COMMUNICATION SERVICES INC  
OUTSIDE PLANT CONSTRUCTION  
TITLE: FIBER OPTIC ROUTE  
FM 1093 WESTPARK EXTENSION  
HOUSTON, TX

DATE: 8/4/15  
ENGINEER: JEFF BUEHLER  
DRAWN BY: G.F.S. (MR)

REVISIONS			
No.	DATE	DESCRIPTION	BY

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SCALE

HORIZONTAL: 1" = 50'

VERTICAL: 1" = 5'

MP TO MP

SHEET 18A OF 41

FILE: R40058-00101018B C&U



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

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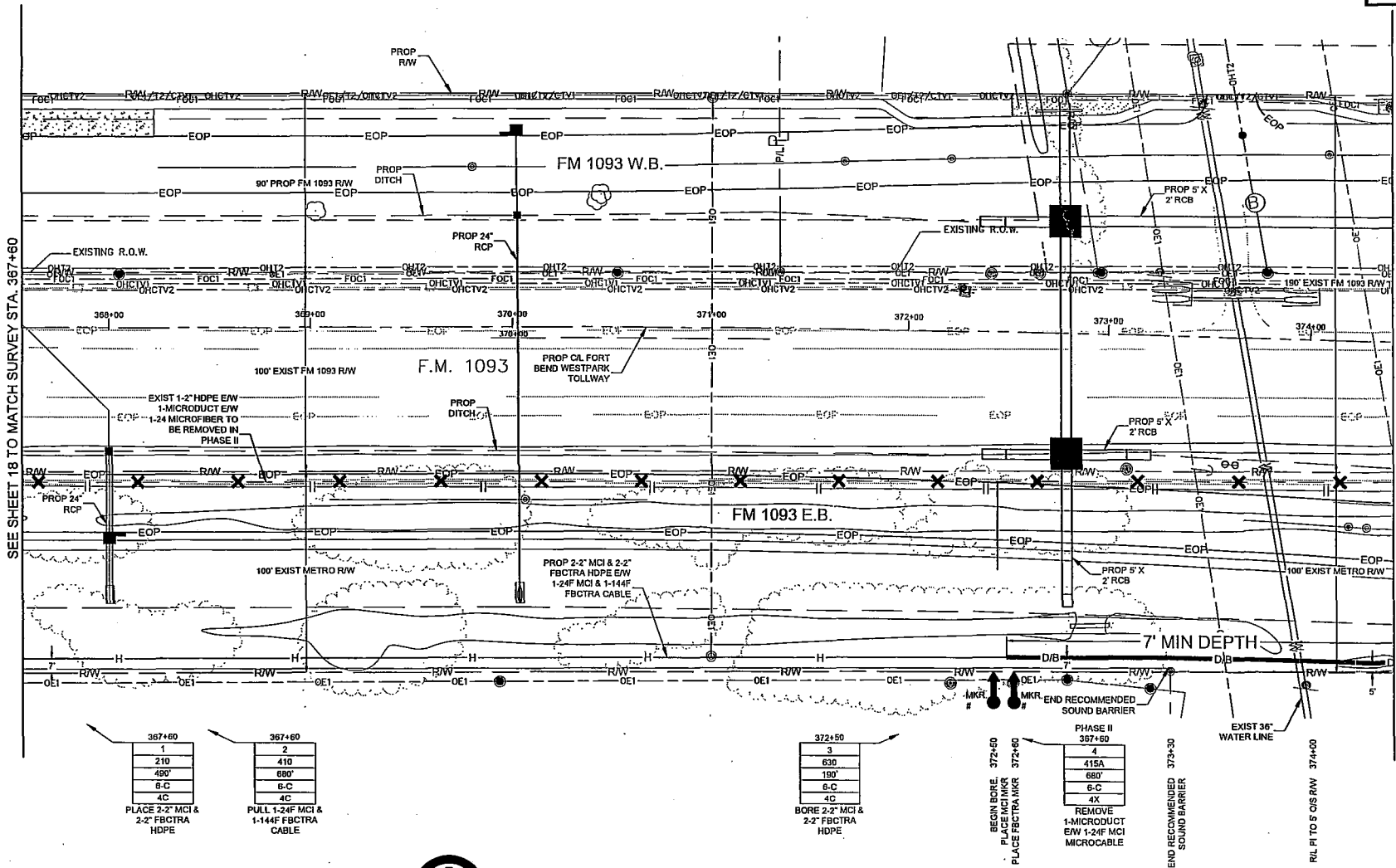
HOUSTON, TX  
FORT BEND COUNTY



PROJECT: R40058-001

HOUSTON, TX  
FM 1093 WESTPARK EXTENSION

CLARIFICATION NO.	QUANTITY
210	400'
410	680'
415A	680'
630	190'
710	1
710A	1



SEE SHEET 18 TO MATCH SURVEY STA. 367+60

SEE SHEET 20 TO MATCH SURVEY STA. 374+40

COMMUNICATION SERVICES INC  
MCI  
OUTSIDE PLANT CONSTRUCTION  
TITLE: FIBER OPTIC ROUTE  
FM 1093 WESTPARK EXTENSION  
HOUSTON, TX

DATE: 8/4/15  
ENGINEER: JEFF BUEHLER  
DRAWN BY: G.F.S. (MR)

REVISIONS			
No.	DATE	DESCRIPTION	BY

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SCALE  
HORIZONTAL: 1" = 50'  
VERTICAL: 1" = N/A  
MP TO MP  
SHEET 19 OF 41  
FILE: R40058-001019A.C&U

367+60
1
210
490'
B-C
4C

PLACE 2-2" MCI & 2-2" FBCTRA HDPE

367+60
2
410
680'
B-C
4C

PULL 1-24F MCI & 1-144F FBCTRA CABLE

372+50
3
630
190'
B-C
4C

BORE 2-2" MCI & 2-2" FBCTRA HDPE

372+50
4
415A
680'
B-C
4X

REMOVE 1-MICRODUCT EW 1-24F MCI MICROCABLE

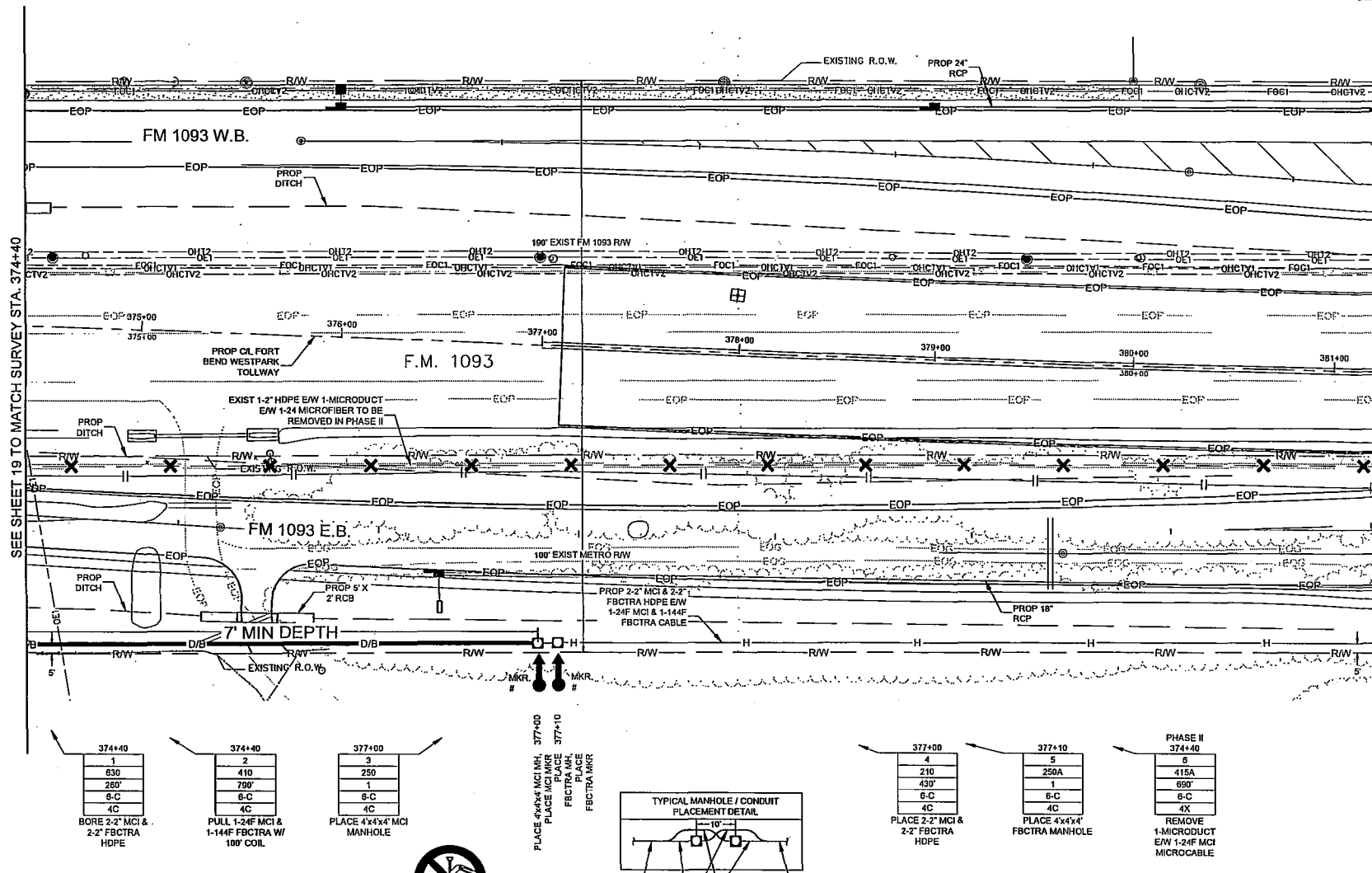


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HOUSTON, TX  
FORT BEND COUNTY



SEE SHEET 19 TO MATCH SURVEY STA. 374+40

SEE SHEET 21 TO MATCH SURVEY STA. 381+30

PROJECT: R40058-001  
HOUSTON, TX  
FM 1093 WESTPARK EXTENSION

CLARIFICATION NO.	QUANTITY
210	430'
250	1
250A	1
410	780'
415A	690'
630	280'
710	1
710A	1

COMMUNICATION SERVICES INC  
OUTSIDE PLANT CONSTRUCTION  
TITLE: FIBER OPTIC ROUTE  
FM 1093 WESTPARK EXTENSION  
HOUSTON, TX

DATE: 8/4/15  
ENGINEER: JEFF BUEHLER  
DRAWN BY: G.F.S. (MR)

REVISIONS		
No.	DATE	DESCRIPTION

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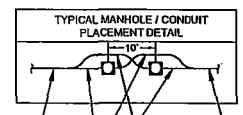
**SCALE**  
HORIZONTAL: 1"= 50'  
VERTICAL: 1"= N/A  
MP TO MP  
SHEET 20 OF 41  
FILE: R40058-001020 A.C.R&U

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  
48 HOURS NOTICE REQUIRED

PLACE 4"x4"x4' MCI MH, 377+00  
PLACE MCI MKR 377+10  
FBCTRA MKR  
PLACE FBCTRA MKR



PROP 2-2" MCI & 2-2" FBCTRA HDPE  
PROP 2-2" FBCTRA HDPE  
PROP 2-2" MCI & 2-2" FBCTRA HDPE

374+40
630
260'
6-C
4C

BORE 2-2" MCI & 2-2" FBCTRA HDPE

374+40
410
790'
6-C
4C

PULL 1-24F MCI & 1-144F FBCTRA W/ 100' COIL

377+00
250
1
6-C
4C

PLACE 4'x4'x4' MCI MANHOLE

377+00
210
430'
6-C
4C

PLACE 2-2" MCI & 2-2" FBCTRA HDPE

377+10
250A
1
6-C
4C

PLACE 4'x4'x4' FBCTRA MANHOLE

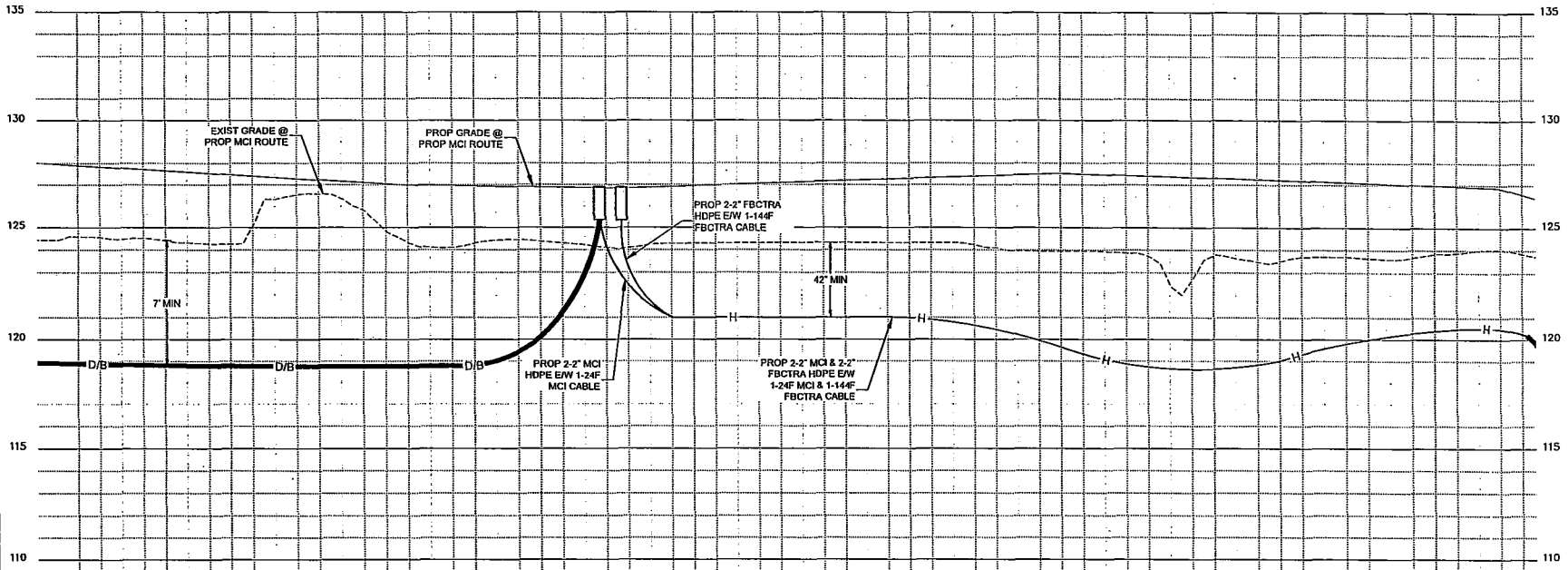
PHASE II 374+40
6
415A
690'
6-C
4X

REMOVE 1-MICRODUCT E/W 1-24F MCI MICROCABLE

HOUSTON, TX  
FORT BEND COUNTY



PROJECT: R40058-001  
HOUSTON, TX  
FM 1093 WESTPARK EXTENSION



MCI  
COMMUNICATION SERVICES INC  
OUTSIDE PLANT CONSTRUCTION  
TITLE: FIBER OPTIC ROUTE  
FM 1093 WESTPARK EXTENSION  
HOUSTON, TX

DATE: 8/4/15  
ENGINEER: JEFF BUEHLER  
DRAWN BY: G.F.S. (MR)

REVISIONS			
No.	DATE	DESCRIPTION	BY

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SCALE  
HORIZONTAL: 1" = 50'  
VERTICAL: 1" = 5'  
MP \_\_\_\_\_ TO MP \_\_\_\_\_  
SHEET 20A OF 41  
FILE: R40058-00101020B C.R&U

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



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1-800-545-6005  
48 HOURS NOTICE REQUIRED

HOUSTON, TX  
FORT BEND COUNTY



PROJECT: R40058-001  
HOUSTON, TX  
FM 1093 WESTPARK EXTENSION

CLARIFICATION NO.	QUANTITY
210	420'
410	680'
415A	680'
630	280'
710	3
710A	3

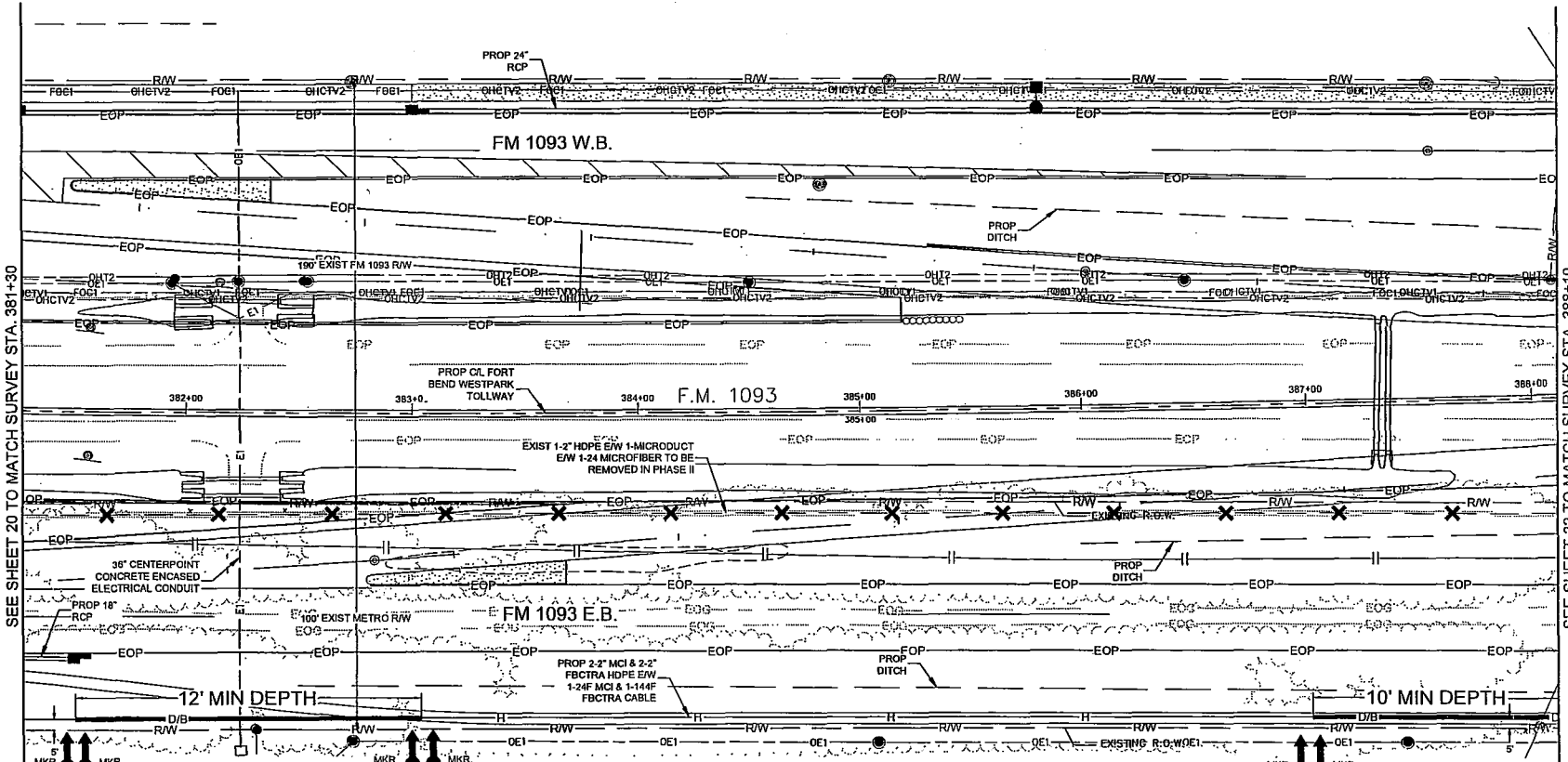
COMMUNICATION SERVICES INC  
OUTSIDE PLANT CONSTRUCTION  
TITLE: FIBER OPTIC ROUTE  
FM 1093 WESTPARK EXTENSION  
HOUSTON, TX

DATE: 8/4/15  
ENGINEER: JEFF BUEHLER  
DRAWN BY: G.F.S. (MR)

REVISIONS			
No.	DATE	DESCRIPTION	BY

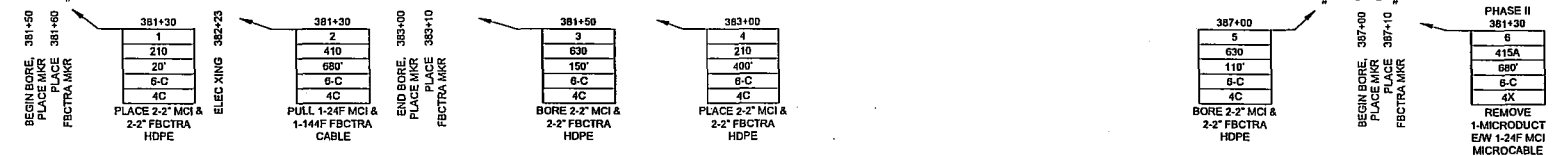
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SCALE  
HORIZONTAL: 1" = 50'  
VERTICAL: 1" = N/A  
MP TO MP  
SHEET 21 OF 41  
FILE: R40058-00101021 A.C.R.U



SEE SHEET 20 TO MATCH SURVEY STA. 381+30

SEE SHEET 22 TO MATCH SURVEY STA. 388+10



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.

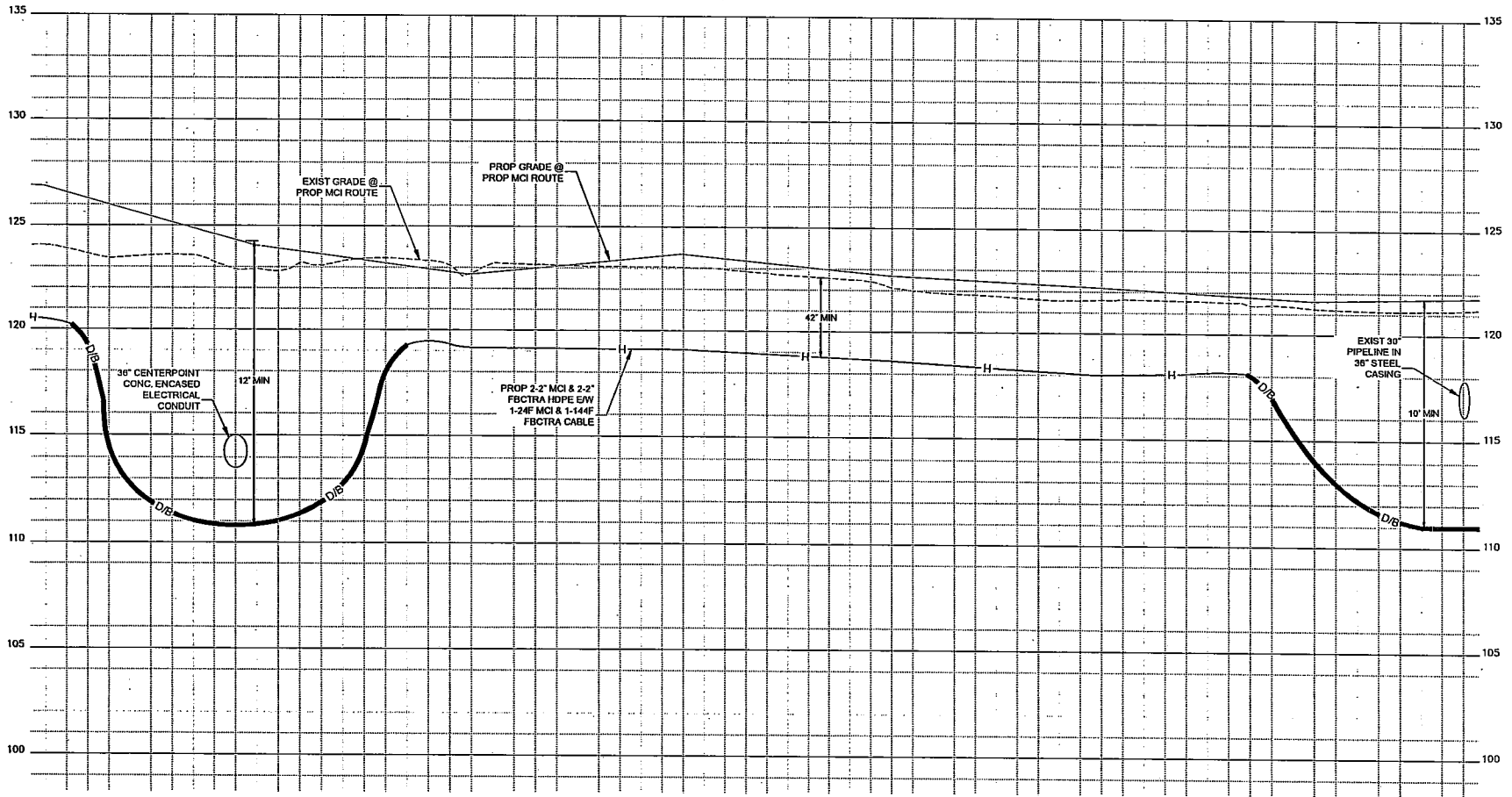
CALL BEFORE YOU DIG  
1-800-545-6005  
48 HOURS NOTICE REQUIRED

GAS XING 388+00

HOUSTON, TX  
FORT BEND COUNTY



PROJECT: R40058-001  
HOUSTON, TX  
FM 1093 WESTPARK EXTENSION



COMMUNICATION SERVICES INC  
OUTSIDE PLANT CONSTRUCTION  
TITLE: FIBER OPTIC ROUTE  
FM 1093 WESTPARK EXTENSION  
HOUSTON, TX

DATE: 8/4/15  
ENGINEER: JEFF BUEHLER  
DRAWN BY: G.F.S. (MR)

REVISIONS		
No.	DATE	DESCRIPTION

EXCEPT AS MAY BE OTHERWISE PROVIDED BY CONTRACT, THESE DRAWINGS AND SPECIFICATIONS SHALL REMAIN THE PROPERTY OF ICS COMMUNICATIONS SERVICES INC AND WILL BE LOANED TO THE CONTRACTOR AND SHALL NOT BE REPRODUCED, COPIED, OR USED FOR ANY PURPOSE WITHOUT EXPRESS WRITTEN PERMISSION

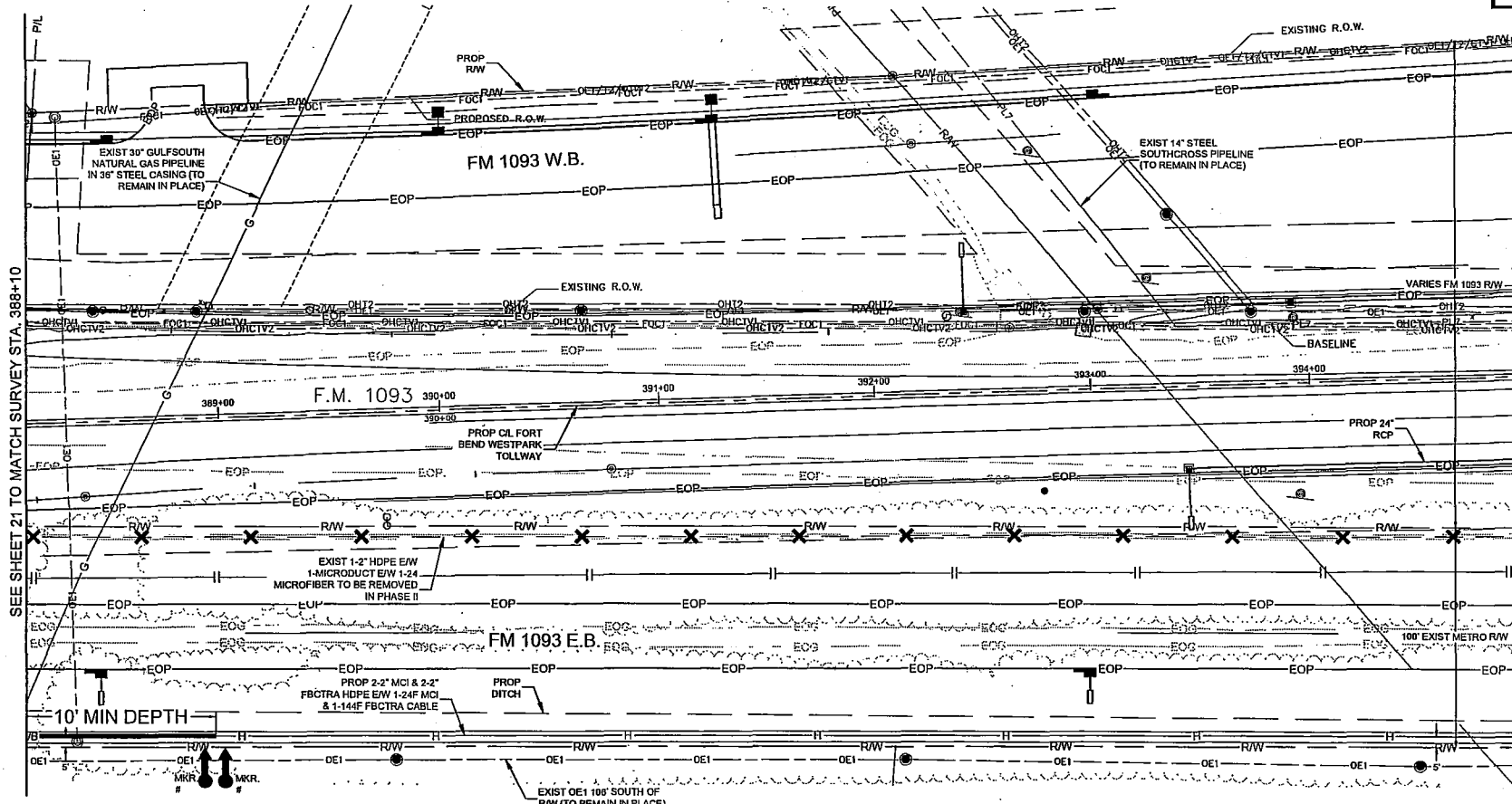
SCALE  
HORIZONTAL: 1" = 50'  
VERTICAL: 1" = 5'  
MP \_\_\_\_\_ TO MP \_\_\_\_\_  
SHEET 21A OF 41  
FILE: R40058-00101021B C,R,2U

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  
1-800-345-0005  
48 HOURS NOTICE REQUIRED

HOUSTON, TX  
FORT BEND COUNTY



SEE SHEET 21 TO MATCH SURVEY STA. 388+10

SEE SHEET 23 TO MATCH SURVEY STA. 395+00

Station	Work Item
388+10	1. END BORE, PLACE FBCTRA MKR
388+10	2. BORE 2-2" MCI & 2-2" FBCTRA HDPE
388+10	3. PULL 1-24F MCI & 1-144F FBCTRA CABLE
389+00	4. PLACE 2-2" MCI & 2-2" FBCTRA HDPE
388+10	5. REMOVE 1-MICRODUCT EW 1-24F MCI MICROCABLE



CALL BEFORE YOU DIG  
1-800-545-6095  
48 HOURS NOTICE REQUIRED

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PROJECT: R40058-001  
HOUSTON, TX  
FM 1093 WESTPARK EXTENSION

CLARIFICATION NO.	QUANTITY
210	600'
410	690'
415	690'
630	80'
710	1
710A	1

COMMUNICATION SERVICES INC  
OUTSIDE PLANT CONSTRUCTION  
TITLE: FIBER OPTIC ROUTE  
FM 1093 WESTPARK EXTENSION  
HOUSTON, TX

DATE: 8/4/15  
ENGINEER: JEFF BUEHLER  
DRAWN BY: G.F.S. (MR)

REVISIONS			
No.	DATE	DESCRIPTION	BY

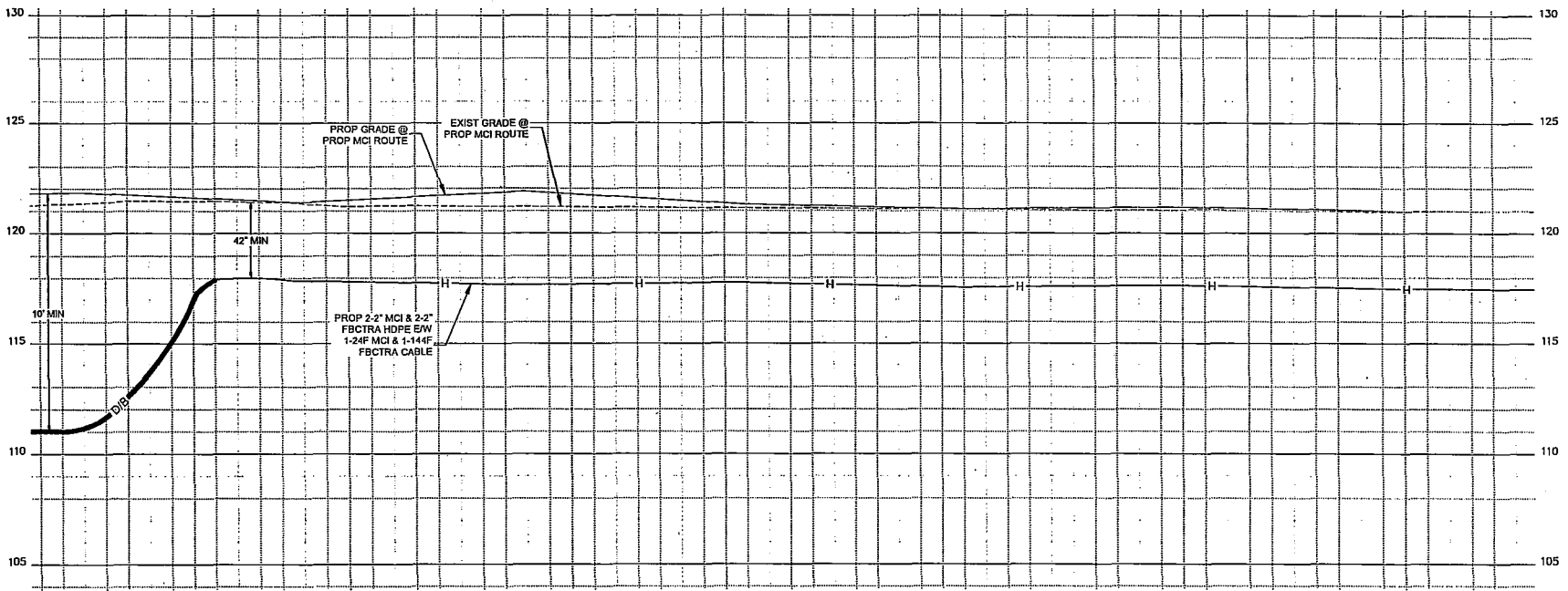
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SCALE  
HORIZONTAL: 1"= 50'  
VERTICAL: 1"= N/A  
MP TO MP  
SHEET 22 OF 41  
FILE: R40058-001022A.C8U

HOUSTON, TX  
FORT BEND COUNTY



PROJECT: R40058-001  
HOUSTON, TX  
FM 1093 WESTPARK EXTENSION



COMMUNICATION SERVICES INC  
OUTSIDE PLANT CONSTRUCTION  
TITLE: FIBER OPTIC ROUTE  
FM 1093 WESTPARK EXTENSION  
HOUSTON, TX

DATE: 8/4/15  
ENGINEER: JEFF BUEHLER  
DRAWN BY: G.F.S. (MR)

REVISIONS			
NO.	DATE	DESCRIPTION	BY

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

SCALE

HORIZONTAL: 1" = 50'

VERTICAL: 1" = 5'

MP TO MP

SHEET 22A OF 41

FILE: R40058-00101022B C.R&U

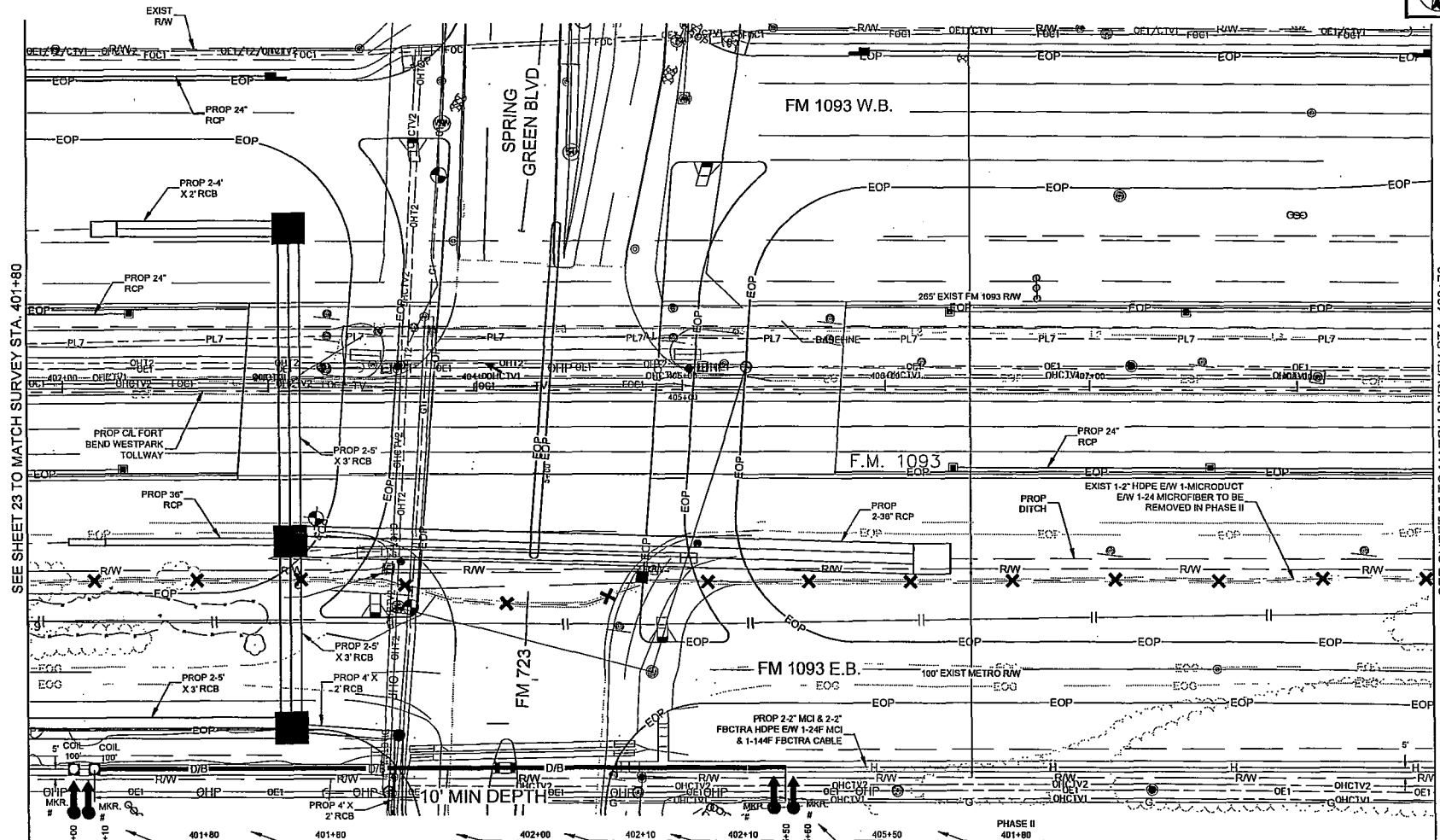
UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND FIELD OBSERVATIONS BUT ARE NOT NECESSARILY EXACT. IT IS THE CONTRACTORS RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES PRIOR TO CONSTRUCTION. COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE EXPENSE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



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



HOUSTON, TX  
FORT BEND COUNTY



SEE SHEET 23 TO MATCH SURVEY STA. 401+80

SEE SHEET 25 TO MATCH SURVEY STA. 408+70

PROJECT: R40058-001  
HOUSTON, TX  
FM 1093 WESTPARK EXTENSION

CLARIFICATION NO.	QUANTITY
210	350'
250	1
250A	1
410	790'
415A	690'
630	340'
710	2
710A	2

COMMUNICATION SERVICES INC  
OUTSIDE PLANT CONSTRUCTION  
TITLE: FIBER OPTIC ROUTE  
FM 1093 WESTPARK EXTENSION  
HOUSTON, TX

DATE: 04/15  
ENGINEER: JEFF BUEHLER  
DRAWN BY: G.F.S. (MR)

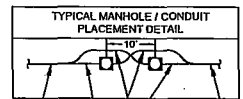
REVISIONS		
No.	DATE	DESCRIPTION

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SCALE  
HORIZONTAL: 1"= 50'  
VERTICAL: 1"= N/A  
MP TO MP  
SHEET 24 OF 41  
FILE: R40058-00101024 A.C.R.U.

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  
48 HOURS NOTICE REQUIRED

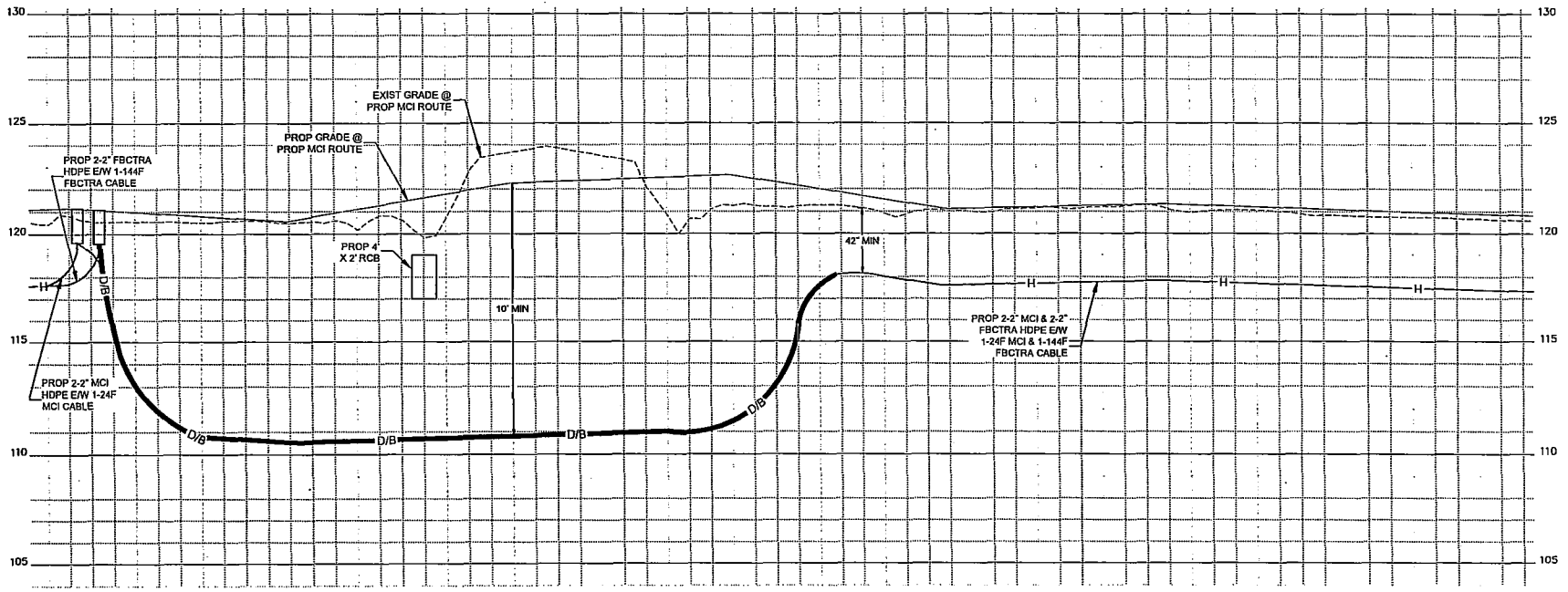


PROP 2-2" MCI & 2-2" FBCTRA HDPE  
PROP 2-2" MCI & 2-2" FBCTRA HDPE  
PROP 2-2" MCI & 2-2" FBCTRA HDPE

HOUSTON, TX  
FORT BEND COUNTY



PROJECT: R40058-001  
HOUSTON, TX  
FM 1093 WESTPARK EXTENSION



MCI  
COMMUNICATION SERVICES INC  
OUTSIDE PLANT CONSTRUCTION  
TITLE: FIBER OPTIC ROUTE  
FM 1093 WESTPARK EXTENSION  
HOUSTON, TX

DATE: 8/4/15  
ENGINEER: JEFF BUEHLER  
DRAWN BY: G.F.S. (MR)

REVISIONS		
NO.	DATE	DESCRIPTION

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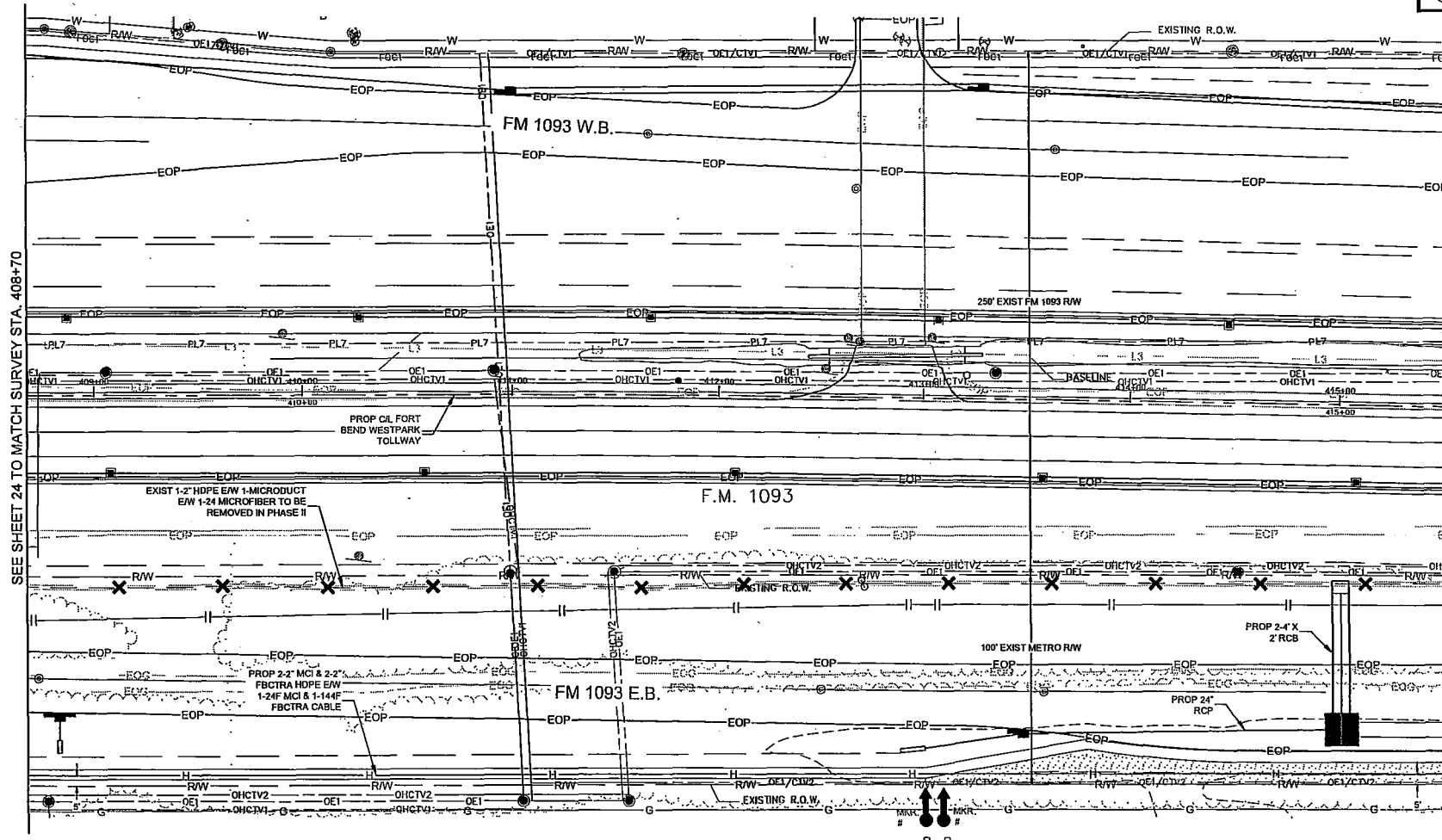
SCALE  
HORIZONTAL: 1" = 50'  
VERTICAL: 1" = 5'  
MP TO MP  
SHEET 24A OF 41  
FILE: R40058-00101024B C.R&U

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  
1-800-545-8005  
48 HOURS NOTICE REQUIRED

HOUSTON, TX  
FORT BEND COUNTY



SEE SHEET 24 TO MATCH SURVEY STA. 408+70

SEE SHEET 28 TO MATCH SURVEY STA. 415+50

PROJECT: R40058-001  
HOUSTON, TX  
FM 1093 WESTPARK EXTENSION

CLARIFICATION NO.	QUANTITY
210	680'
410	680'
415A	680'
710	1
710A	1

COMMUNICATION SERVICES INC  
MCI  
OUTSIDE PLANT CONSTRUCTION  
TITLE: FIBER OPTIC ROUTE  
FM 1093 WESTPARK EXTENSION  
HOUSTON, TX

DATE: 8/4/15  
ENGINEER: JEFF BUEHLER  
DRAWN BY: G.F.S. (MR)

REVISIONS			
No.	DATE	DESCRIPTION	BY

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SCALE  
HORIZONTAL: 1"= 50'  
VERTICAL: 1"= N/A  
MP TO MP  
SHEET 25 OF 41  
FILE: R40058-0010125A C.R6U

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.



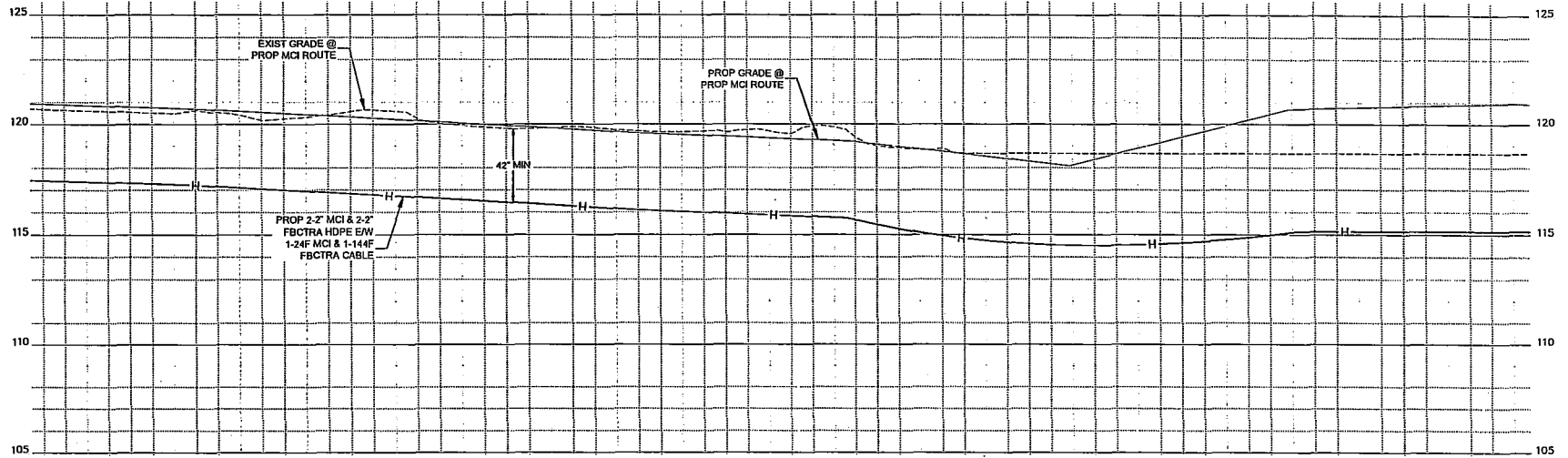
CALL BEFORE YOU DIG  
1-800-545-6005  
48 HOURS NOTICE REQUIRED

- 408+70
  - 1
  - 210
  - 680'
  - G-C
  - 4C
 PLACE 2-2" MCI & 2-2" FBCTRA HDPE
- 408+70
  - 2
  - 410
  - 680'
  - G-C
  - 4C
 PULL 1-24F MCI & 1-144F FBCTRA
- PHASE II 408+70
  - 3
  - 415A
  - 680'
  - G-C
  - 4X
 REMOVE 1-MICRODUCT E/W 1-24F MCI MICROCABLE
- 413+00  
413+10
  - PLACE MCI
  - PLACE FBCTRA
  - MARK

HOUSTON, TX  
FORT BEND COUNTY



PROJECT: R40058-001  
HOUSTON, TX  
FM 1093 WESTPARK EXTENSION



MCI  
COMMUNICATION SERVICES INC

OUTSIDE PLANT CONSTRUCTION

TITLE: FIBER OPTIC ROUTE  
FM 1093 WESTPARK EXTENSION  
HOUSTON, TX

DATE: 8/4/15  
ENGINEER: JEFF BUEHLER  
DRAWN BY: G.F.S. (MR)

REVISIONS		
No.	DATE	DESCRIPTION

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SCALE

HORIZONTAL: 1" = 50'

VERTICAL: 1" = 5'

MP TO MP

SHEET 25A OF 41

FILE: R40058-00101025B C.RAU

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  
1-800-545-0005  
48 HOURS NOTICE REQUIRED

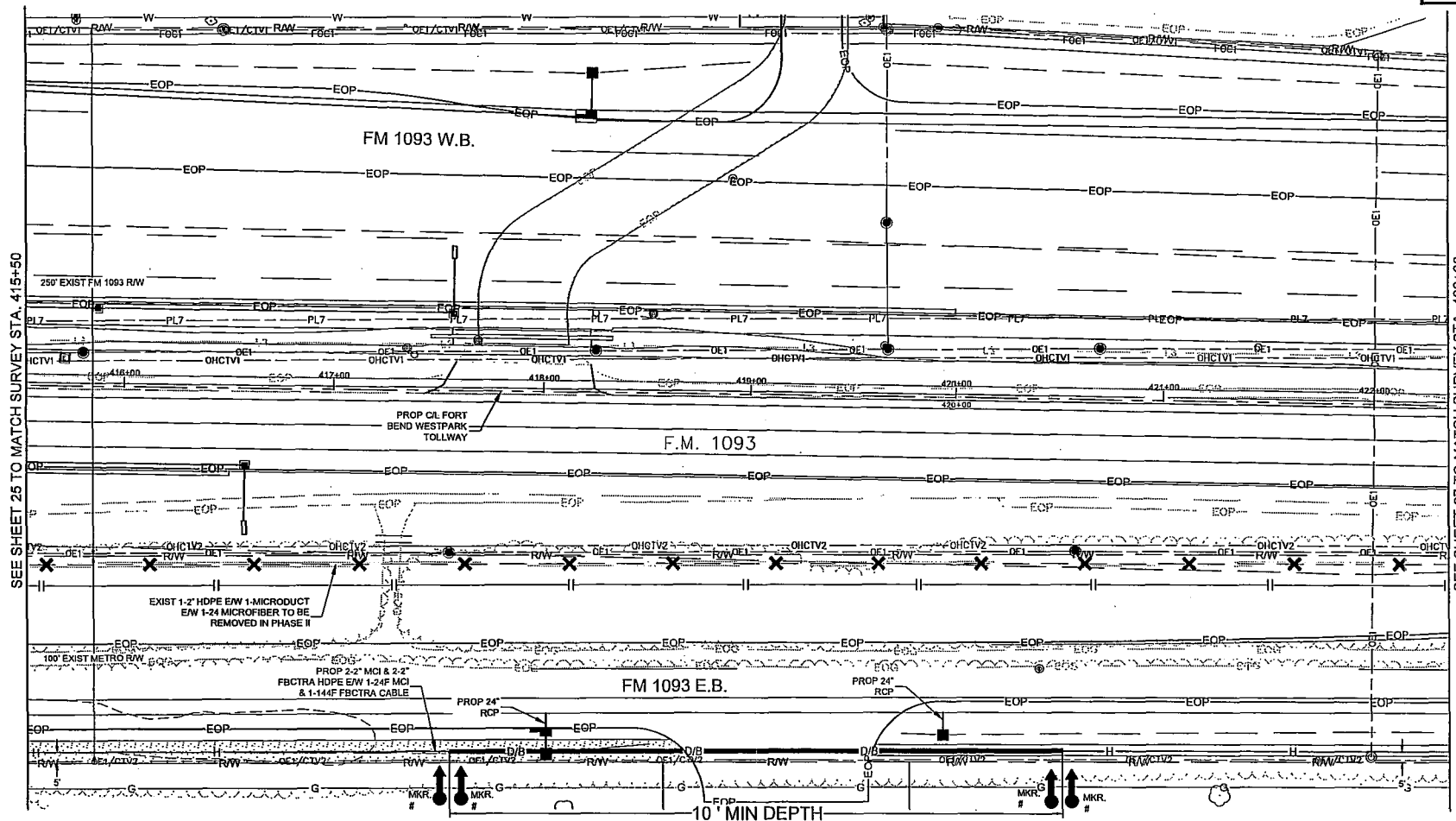
HOUSTON, TX  
FORT BEND COUNTY



**verizonbusiness**

PROJECT: R40058-001  
HOUSTON, TX  
FM 1093 WESTPARK EXTENSION

CLARIFICATION NO.	QUANTITY
210	380'
410	680'
415A	680'
030	300'
710	2
710A	2



SEE SHEET 25 TO MATCH SURVEY STA. 415+50

SEE SHEET 27 TO MATCH SURVEY STA. 422+30

415+50

1
210
200'
6-C
4C

PLACE 2-2" MCI & 2-2" FBCTRA HDPE

415+50

2
410
680'
6-C
4C

PULL 1-24F MCI & 1-144F FBCTRA CABLE

417+50

3
630
300'
6-C
4C

BORE 2-2" MCI & 2-2" FBCTRA HDPE

420+50

4
210
180'
6-C
4C

PLACE 2-2" MCI & 2-2" FBCTRA HDPE

PHASE II  
420+50

5
415A
680'
6-C
4X

REMOVE 1-MICRODUCT EW 1-24F MCI MICROCABLE

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  
1-800-545-6805  
48 HOURS NOTICE REQUIRED

MCI  
COMMUNICATION SERVICES INC  
OUTSIDE PLANT CONSTRUCTION  
TITLE: FIBER OPTIC ROUTE  
FM 1093 WESTPARK EXTENSION  
HOUSTON, TX

DATE: 8/15  
ENGINEER: JEFF BUEHLER  
DRAWN BY: G.F.S. (MFR)

REVISIONS

NO.	DATE	DESCRIPTION	BY

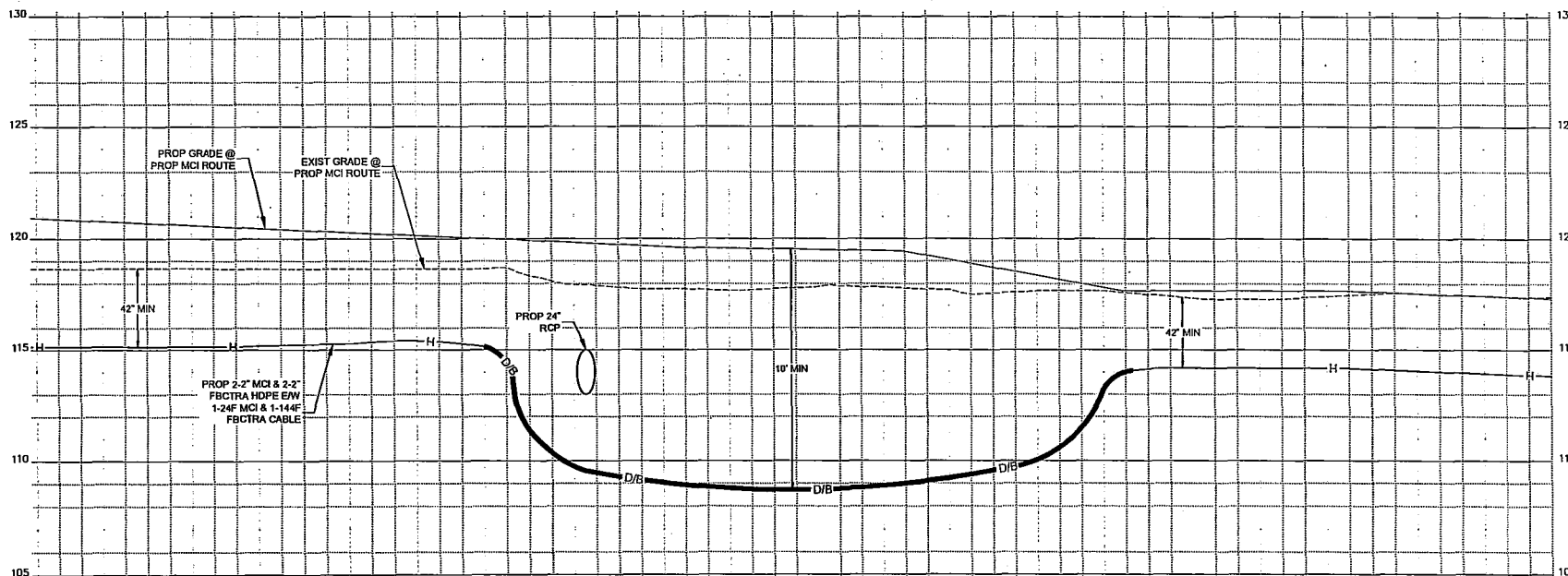
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SCALE  
HORIZONTAL: 1"= 50'  
VERTICAL: 1"= N/A  
MP TO MP  
SHEET 26 OF 41  
FILE: R40058-00101026 A CR&U

HOUSTON, TX  
FORT BEND COUNTY



PROJECT: R40058-001  
HOUSTON, TX  
FM 1093 WESTPARK EXTENSION



COMMUNICATION SERVICES INC  
OUTSIDE PLANT CONSTRUCTION  
TITLE: FIBER OPTIC ROUTE  
FM 1093 WESTPARK EXTENSION  
HOUSTON, TX

DATE: 8/4/15  
ENGINEER: JEFF BUEHLER  
DRAWN BY: G.F.S. (MR)

REVISIONS			
No	DATE	DESCRIPTION	BY

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SCALE  
HORIZONTAL: 1"= 50'  
VERTICAL: 1"= 5'  
MP TO MP  
SHEET 28A OF 41  
FILE: R40058-00101028B C.R&U

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



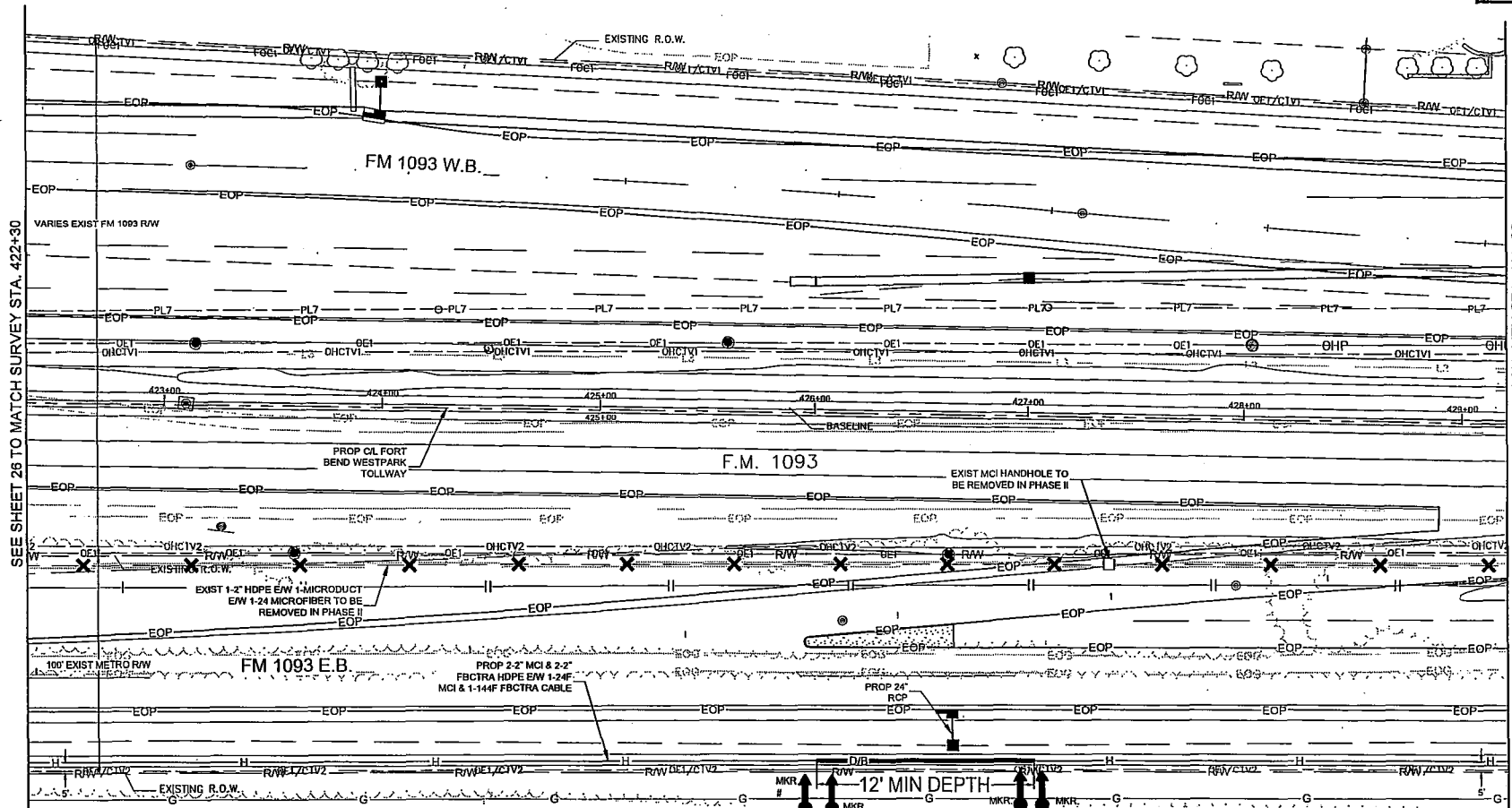
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1-800-545-6005  
48 HOURS NOTICE REQUIRED

HOUSTON, TX  
FORT BEND COUNTY



PROJECT: R40058-001  
HOUSTON, TX  
FM 1093 WESTPARK EXTENSION

CLARIFICATION NO.	QUANTITY
210	500'
244	1
410	090'
415A	090'
630	100'
710	2
710A	2



SEE SHEET 26 TO MATCH SURVEY STA. 422+30

SEE SHEET 28 TO MATCH SURVEY STA. 428+20

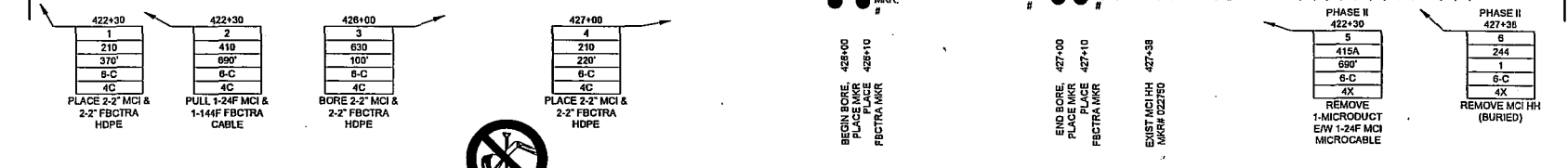
COMMUNICATION SERVICES INC  
OUTSIDE PLANT CONSTRUCTION  
TITLE: FIBER OPTIC ROUTE  
FM 1093 WESTPARK EXTENSION  
HOUSTON, TX

DATE: 8/15  
ENGINEER: JEFF BUEHLER  
DRAWN BY: G.F.S. (MR)

REVISIONS		
No.	DATE	DESCRIPTION

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SCALE  
HORIZONTAL: 1"= 50'  
VERTICAL: 1"= N/A  
MP TO MP  
SHEET 27 OF 41  
FILE: R40058-00101027 A.C.R.B.U



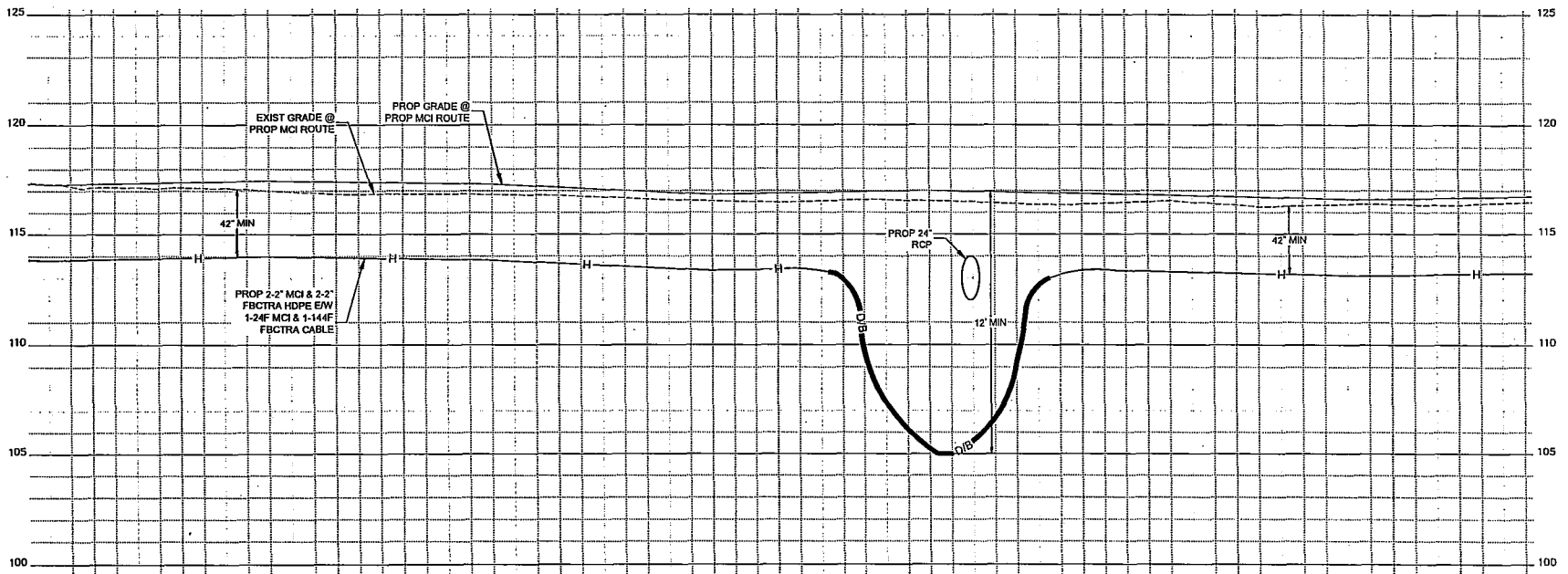
CALL BEFORE YOU DIG  
1-800-545-6005  
48 HOURS NOTICE REQUIRED

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HOUSTON, TX  
FORT BEND COUNTY



PROJECT: R40058-001  
HOUSTON, TX  
FM 1093 WESTPARK EXTENSION



COMMUNICATION SERVICES INC  
OUTSIDE PLANT CONSTRUCTION  
TITLE: FIBER OPTIC ROUTE  
FM 1093 WESTPARK EXTENSION  
HOUSTON, TX

DATE: 8/4/15  
ENGINEER: JEFF BUEHLER  
DRAWN BY: G.F.S. (MR)

REVISIONS			
No.	DATE	DESCRIPTION	BY

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SCALE  
HORIZONTAL: 1"= 50'  
VERTICAL: 1"= 5'  
MP \_\_\_\_\_ TO MP \_\_\_\_\_  
SHEET 27A OF 41  
FILE: R40058-00101027 B.C.R&U

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

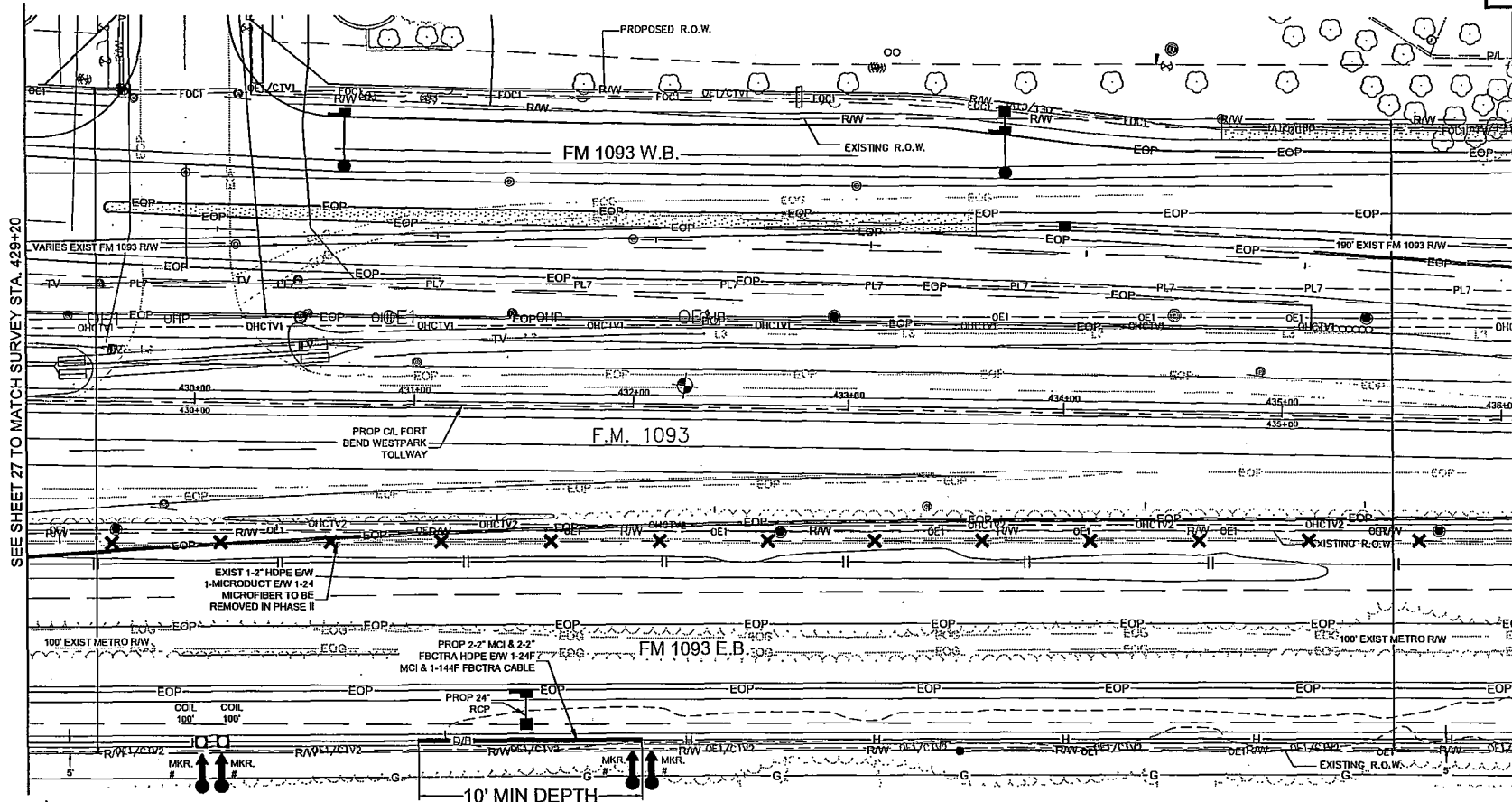
HOUSTON, TX  
FORT BEND COUNTY



**verizonbusiness**

PROJECT: R40058-001  
HOUSTON, TX  
FM 1093 WESTPARK EXTENSION

CLARIFICATION NO.	QUANTITY
210	597
250	1
250A	1
410	797
415A	697
630	100
710	2
710A	2



SEE SHEET 27 TO MATCH SURVEY STA. 429+20

SEE SHEET 29 TO MATCH SURVEY STA. 439+10

MCI  
COMMUNICATION SERVICES INC  
OUTSIDE PLANT CONSTRUCTION  
TITLE: FIBER OPTIC ROUTE  
FM 1093 WESTPARK EXTENSION  
HOUSTON, TX

DATE: 8/4/15  
ENGINEER: JEFF BUEHLER  
DRAWN BY: G.F.S. (MR)

REVISIONS		
No.	DATE	DESCRIPTION

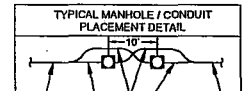
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**SCALE**  
HORIZONTAL: 1"= 50'  
VERTICAL: 1"= N/A

MP TO MP  
SHEET 28 OF 41

FILE: R40058-00101028 A.C.R&U

- 429+20  
1  
210  
180'  
6-C  
4C  
PLACE 2-2" MCI & 2-2" FBCTRA HDPE
- 430+00  
2  
410  
790'  
6-C  
4C  
PLACE MCI MKR FBCTRA MH, FBCTRA MH, FBCTRA MKR
- 430+00  
3  
250  
6-C  
4C  
PLACE 4x4x4' MCI MANHOLE
- 430+10  
4  
250A  
1  
6-C  
4C  
PLACE 4x4x4' FBCTRA MANHOLE
- 431+00  
5  
630  
100'  
6-C  
4C  
BORE 2-2" MCI & 2-2" FBCTRA HDPE
- 432+00  
6  
210  
410'  
6-C  
4C  
PLACE 2-2" MCI & 2-2" FBCTRA HDPE
- PHASE II 429+20  
7  
415A  
690'  
6-C  
4X  
REMOVE 1-MICRODUCT EW 1-24" MCI MICRO CABLE



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  
48 HOURS NOTICE REQUIRED

HOUSTON, TX  
FORT BEND COUNTY



PROJECT: R40058-001  
HOUSTON, TX  
FM 1093 WESTPARK EXTENSION

COMMUNICATION SERVICES INC  
OUTSIDE PLANT CONSTRUCTION  
TITLE: FIBER OPTIC ROUTE  
FM 1093 WESTPARK EXTENSION  
HOUSTON, TX

DATE: 8/1/15  
ENGINEER: JEFF BUEHLER  
DRAWN BY: G.F.S. (MR)

REVISIONS		
No.	DATE	DESCRIPTION

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SCALE

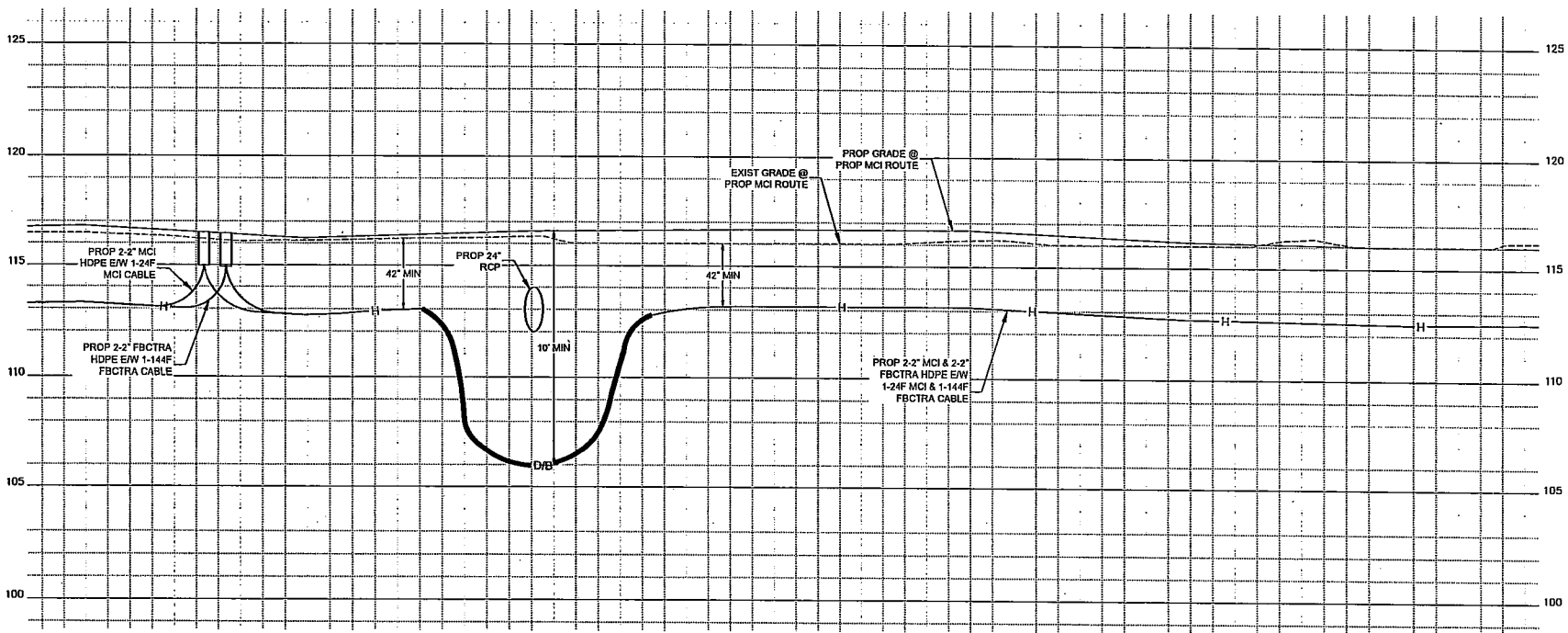
HORIZONTAL: 1" = 50'

VERTICAL: 1" = 5'

MP TO MP

SHEET 28A OF 41

FILE: R40058-00101028 B C R&U



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  
48 HOURS NOTICE REQUIRED

HOUSTON, TX  
FORT BEND COUNTY



PROJECT: R40058-001

HOUSTON, TX  
FM 1093 WESTPARK EXTENSION

CLARIFICATION NO.	QUANTITY
210	580'
410	880'
415A	880'
630	100'
710	2
710A	2

COMMUNICATION SERVICES INC  
OUTSIDE PLANT CONSTRUCTION  
TITLE: FIBER OPTIC ROUTE  
FM 1093 WESTPARK EXTENSION  
HOUSTON, TX

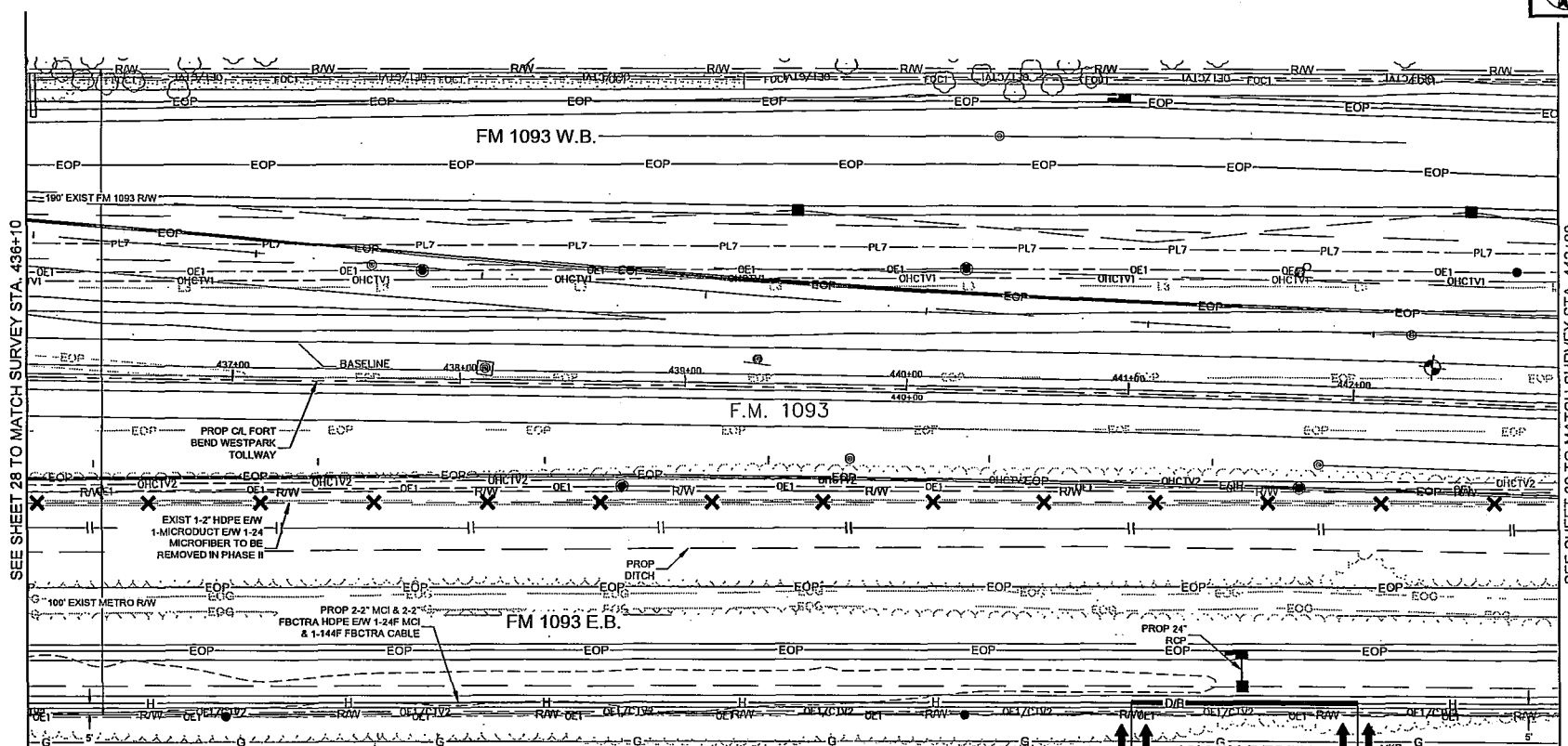
DATE: 04/15  
ENGINEER: JEFF BUEHLER  
DRAWN BY: G.F.S. (MR)

REVISIONS		
No.	DATE	DESCRIPTION

EXCEPT AS MAY BE OTHERWISE PROVIDED BY CONTRACT, THESE DRAWINGS AND SPECIFICATIONS SHALL REMAIN THE PROPERTY OF MCI COMMUNICATIONS SERVICES INC. NO PART HEREOF SHALL BE REPRODUCED, COPIED, OR USED FOR ANY PURPOSES WITHOUT SPECIFIC WRITTEN PERMISSION.

SCALE  
HORIZONTAL: 1" = 50'  
VERTICAL: 1" = N/A  
MP TO MP  
SHEET 29 OF 41

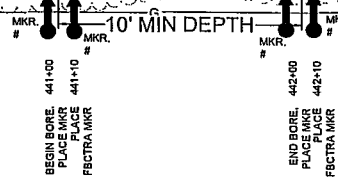
FILE: R40058-00101029A.CRB



SEE SHEET 28 TO MATCH SURVEY STA. 436+10

SEE SHEET 30 TO MATCH SURVEY STA. 442+90

Station	Work Item
436+10	PLACE 2-2' MCI & 2-2' FBCTRA HDPE
436+10	PULL 1-24F MCI & 1-144F FBCTRA CABLE
441+00	BORE 2-2' MCI & 2-2' FBCTRA HDPE
442+00	PLACE 2-2' MCI & 2-2' FBCTRA HDPE
436+10	PHASE II REMOVE 1-MICRODUCT EW 1-24F MCI MICROCABLE



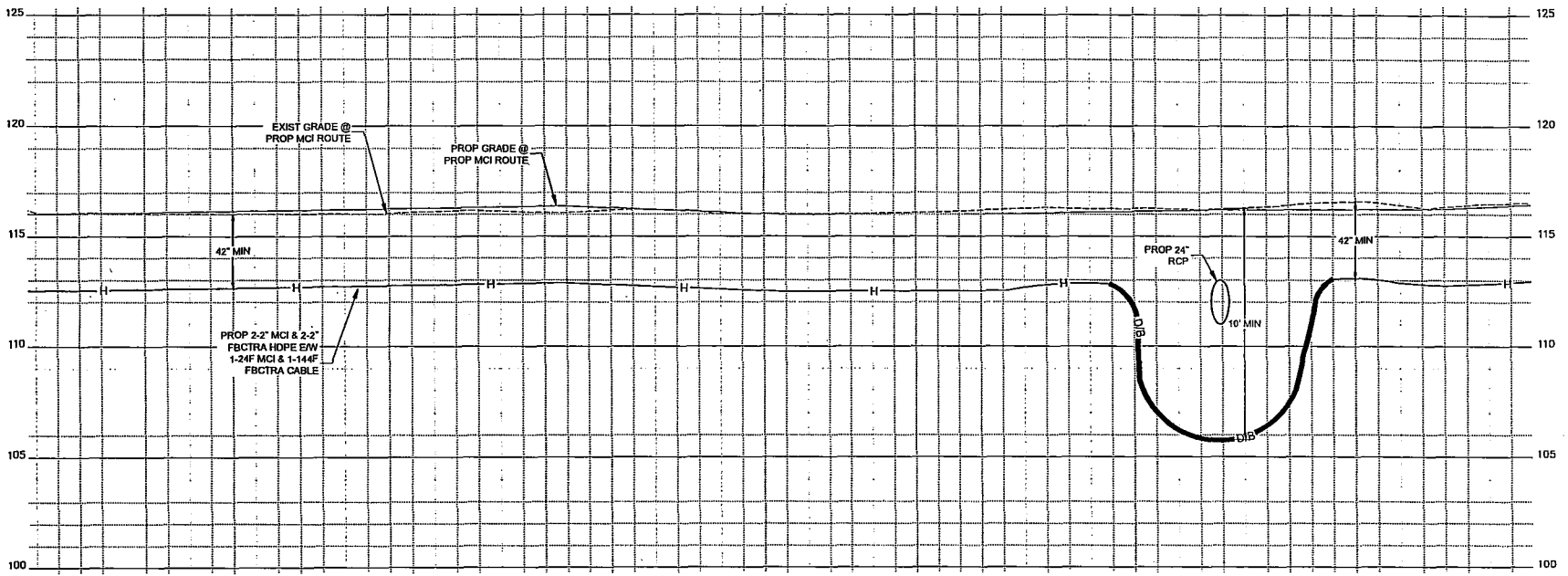
CALL BEFORE YOU DIG  
1-800-545-6900  
48 HOURS NOTICE REQUIRED

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

HOUSTON, TX  
FORT BEND COUNTY



PROJECT: R40058-001  
HOUSTON, TX  
FM 1093 WESTPARK EXTENSION



COMMUNICATION SERVICES INC  
OUTSIDE PLANT CONSTRUCTION  
TITLE: FIBER OPTIC ROUTE  
FM 1093 WESTPARK EXTENSION  
HOUSTON, TX

DATE: 8/4/15  
ENGINEER: JEFF BUEHLER  
DRAWN BY: G.F.S. (MR)

REVISIONS		
NO	DATE	DESCRIPTION

EXCEPT AS MAY BE OTHERWISE PROVIDED BY CONTRACT, THESE DRAWINGS AND SPECIFICATIONS SHALL REMAIN THE PROPERTY OF MCI COMMUNICATIONS SERVICES INC. NOTHING IS TO BE REPRODUCED, COPIED, OR USED FOR ANY PURPOSE WITHOUT SPECIFIC WRITTEN PERMISSION

SCALE  
HORIZONTAL: 1"= 50'  
VERTICAL: 1"= 5'  
MP TO MP  
SHEET 29A OF 41  
FILE: R40058-00101029B C.R&U

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



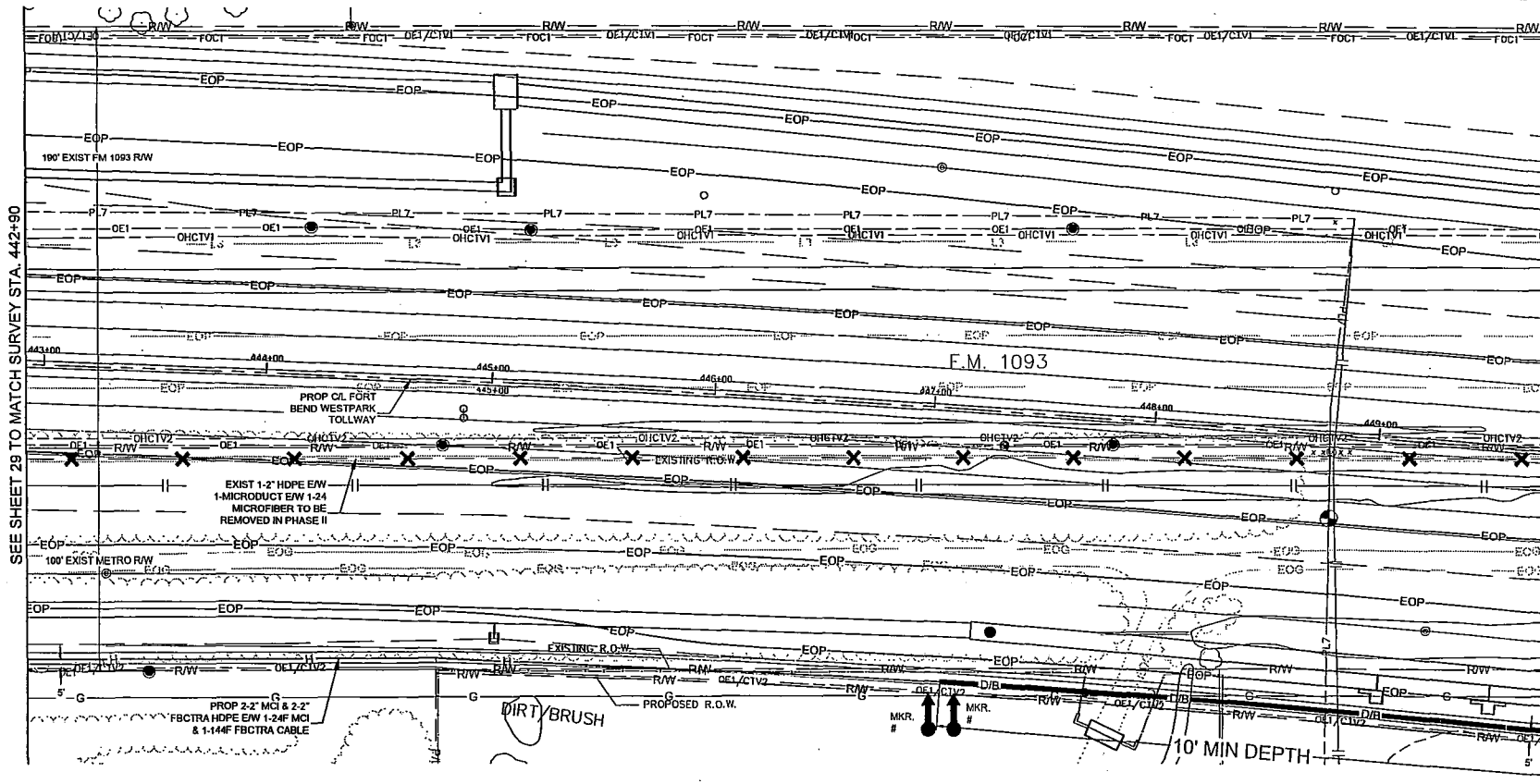
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1-800-545-6005  
48 HOURS NOTICE REQUIRED

HOUSTON, TX  
FORT BEND COUNTY



PROJECT: R40058-001  
HOUSTON, TX  
FM 1093 WESTPARK EXTENSION

CLARIFICATION NO.	QUANTITY
210	410'
410	690'
415A	690'
630	280'
710	1
710A	1



SEE SHEET 29 TO MATCH SURVEY STA. 442+90

SEE SHEET 31 TO MATCH SURVEY STA. 449+80

<p>442+90</p> <p>1 210 410' 6-C 4C</p> <p>PLACE 2-2" MCI &amp; 2-2" FBCTRA HDPE</p>	<p>442+90</p> <p>2 410 690' 6-C 4C</p> <p>PULL 1-24F MCI &amp; 1-144F FBCTRA CABLE</p>	<p>447+00</p> <p>3 630 280' 6-C 4C</p> <p>BORE 2-2" MCI &amp; 2-2" FBCTRA HDPE</p>	<p>PHASE II 442+90</p> <p>4 415A 690' 6-C 4X</p> <p>REMOVE 1-MICRODUCT EW 1-24F MCI MICROCABLE</p>
-----------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------

BEGIN BORE 447+00  
PLACE MKR  
PLACE 447+10  
FBCTRA MKR

GAS XING 448-00

PIPELINE XING 448+78  
PIPELINE XING 448+83



CALL BEFORE YOU DIG  
1-800-545-9005  
48 HOURS NOTICE REQUIRED

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

MCI  
COMMUNICATION SERVICES INC  
OUTSIDE PLANT CONSTRUCTION  
TITLE: FIBER OPTIC ROUTE  
FM 1093 WESTPARK EXTENSION  
HOUSTON, TX

DATE: 8/1/15  
ENGINEER: JEFF BUEHLER  
DRAWN BY: G.F.S. (MR)

REVISIONS		
No.	DATE	DESCRIPTION

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SCALE  
HORIZONTAL: 1"= 50'  
VERTICAL: 1"= N/A  
MP TO MP  
SHEET 30 OF 41

FILE: R40058-001030 A C.R.U



HOUSTON, TX  
FORT BEND COUNTY



PROJECT: R40058-001  
HOUSTON, TX  
FM 1093 WESTPARK EXTENSION

CLARIFICATION NO.	QUANTITY
210	410'
250	1
250A	1
410	780'
415A	680'
630	270'
710	3
710A	3

COMMUNICATION SERVICES INC  
MCI  
OUTSIDE PLANT CONSTRUCTION  
TITLE: FIBER OPTIC ROUTE  
FM 1093 WESTPARK EXTENSION  
HOUSTON, TX

DATE: 8/4/15  
ENGINEER: JEFF BUEHLER  
DRAWN BY: G.F.S. (MR)

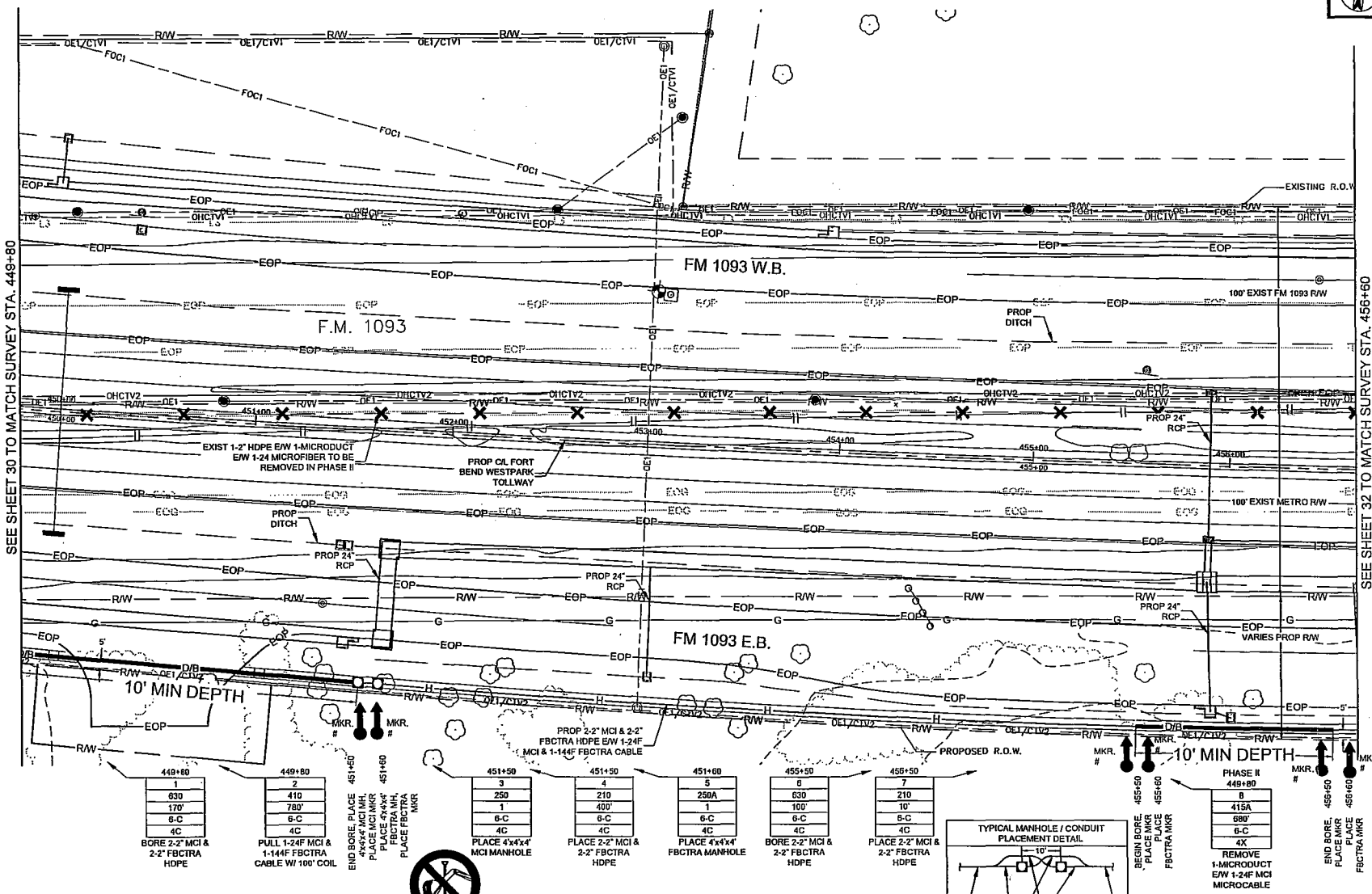
REVISIONS			
No.	DATE	DESCRIPTION	BY

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

SCALE

HORIZONTAL: 1"= 50'  
VERTICAL: 1"= N/A  
MP TO MP  
SHEET 31 OF 41

FILE: R40058-00101031A.C.REU



SEE SHEET 30 TO MATCH SURVEY STA. 449+80

SEE SHEET 32 TO MATCH SURVEY STA. 456+60

449+80	449+80
1	2
630	410
170'	780'
6-C	6-C
4C	4C

BORE 2-2" MCI & 2-2" FBCTRA HDPE

449+80	451+80
3	3
250	210
1'	400'
6-C	6-C
4C	4C

PULL 1-24\"/>

451+80	451+80
1	1
400'	400'
6-C	6-C
4C	4C

PLACE 4\"/>

451+80	451+80
1	1
400'	400'
6-C	6-C
4C	4C

PLACE 2-2\"/>

451+80	451+80
1	1
400'	400'
6-C	6-C
4C	4C

PLACE 4\"/>

451+80	451+80
1	1
400'	400'
6-C	6-C
4C	4C

PLACE 4\"/>

455+50	455+50
6	6
630	100'
6-C	6-C
4C	4C

BORE 2-2\"/>

455+50	455+50
7	7
210	10'
6-C	6-C
4C	4C

PLACE 2-2\"/>

455+50	455+50
8	8
630	100'
6-C	6-C
4C	4C

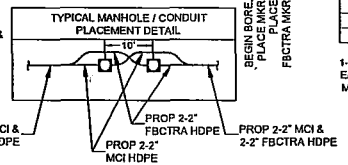
BORE 2-2\"/>

456+80	456+80
7	7
210	10'
6-C	6-C
4C	4C

PLACE 2-2\"/>

456+80	456+80
8	8
415A	680'
6-C	6-C
4X	4X

REMOVE 1-MICRODUCT EW 1-24\"/>



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

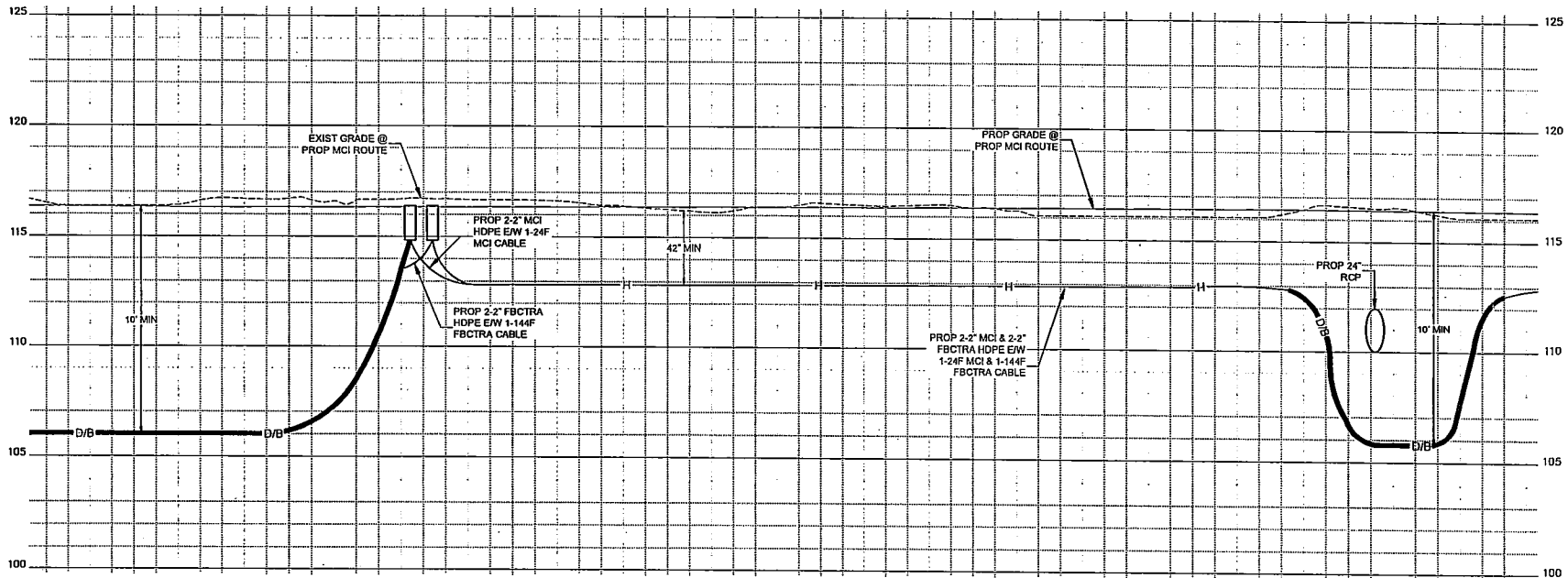


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HOUSTON, TX  
FORT BEND COUNTY



PROJECT: R40058-001  
HOUSTON, TX  
FM 1093 WESTPARK EXTENSION



COMMUNICATION SERVICES INC  
OUTSIDE PLANT CONSTRUCTION  
TITLE: FIBER OPTIC ROUTE  
FM 1093 WESTPARK EXTENSION  
HOUSTON, TX

DATE: 8/4/15  
ENGINEER: JEFF BUEHLER  
DRAWN BY: G.F.S. (MR)

REVISIONS		
No.	DATE	DESCRIPTION

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SCALE  
HORIZONTAL: 1" = 50'  
VERTICAL: 1" = 5'  
MP TO MP  
SHEET 31A OF 41  
FILE: R40058-00101031B C.R&U



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

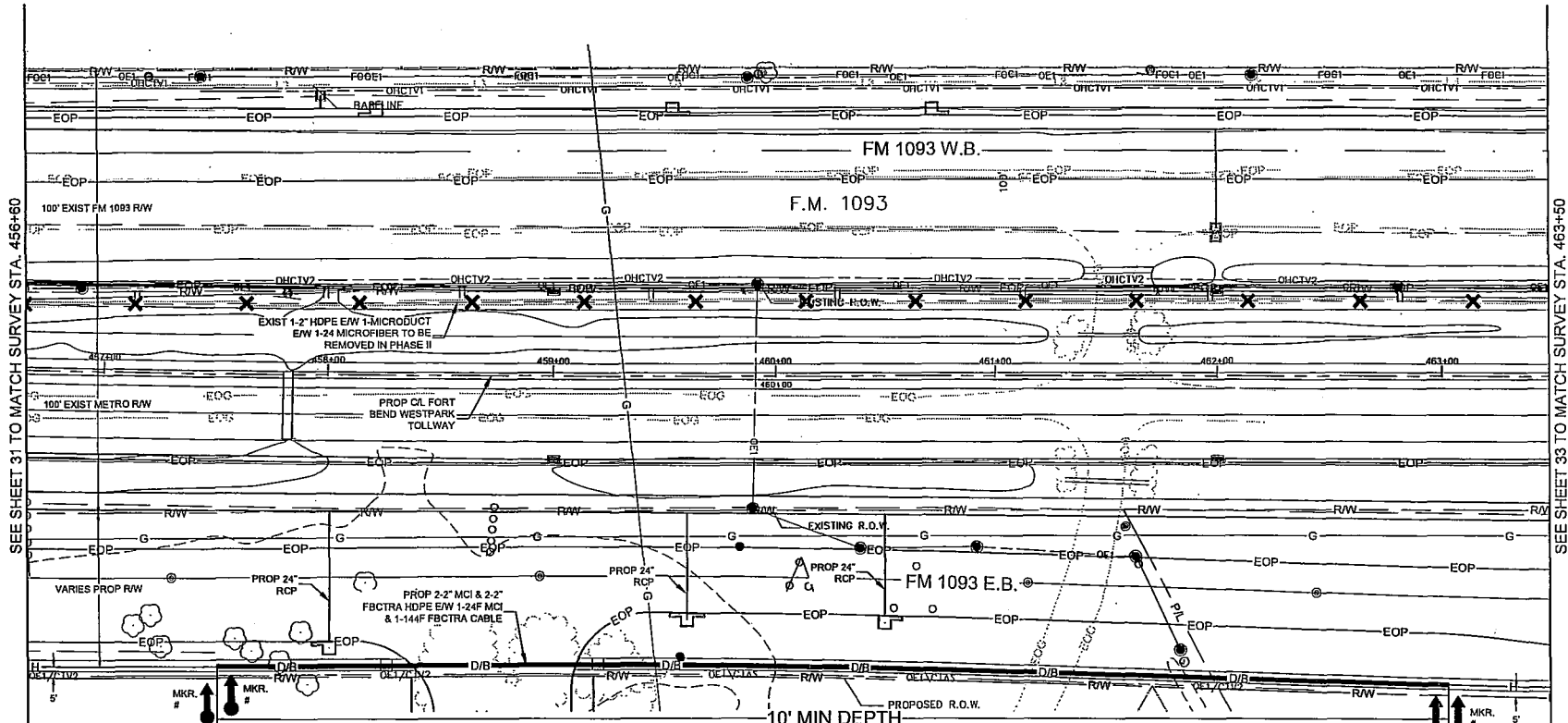
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48 HOURS NOTICE REQUIRED

HOUSTON, TX  
FORT BEND COUNTY



PROJECT: R40058-001  
HOUSTON, TX  
FM 1093 WESTPARK EXTENSION

CLARIFICATION NO.	QUANTITY
210	140'
410	690'
415A	690'
630	550'
710	2
710A	2



SEE SHEET 31 TO MATCH SURVEY STA. 456+80

SEE SHEET 33 TO MATCH SURVEY STA. 463+50

Station	Item
456+60	1
456+60	210
456+60	60'
456+60	6-C
456+60	4C

PLACE 2-2" MCI & 2-2" FBCTRA HDPE

Station	Item
456+60	2
456+60	410
456+60	690'
456+60	6-C
456+60	4C

PULL 1-24F MCI & 1-144F FBCTRA CABLE

Station	Item
457+50	3
457+50	630
457+50	550'
457+50	6-C
457+50	4C

BORE 2-2" MCI & 2-2" FBCTRA HDPE

Station	Item
463+00	4
463+00	210
463+00	50'
463+00	6-C
463+00	4C

PLACE 2-2" MCI & 2-2" FBCTRA HDPE

Station	Item
458+60	5
458+60	415A
458+60	690'
458+60	6-C
458+60	4X

REMOVE 1-MICRODUCT E/W 1-24F MCI MICROCABLE

Station	Item
463+00	END BORE
463+00	PLACE MCI MKR
463+10	PLACE FBCTRA MKR



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

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DATE: 8/4/15  
ENGINEER: JEFF BUEHLER  
DRAWN BY: G.F.S. (MR)

REVISIONS		
No.	DATE	DESCRIPTION

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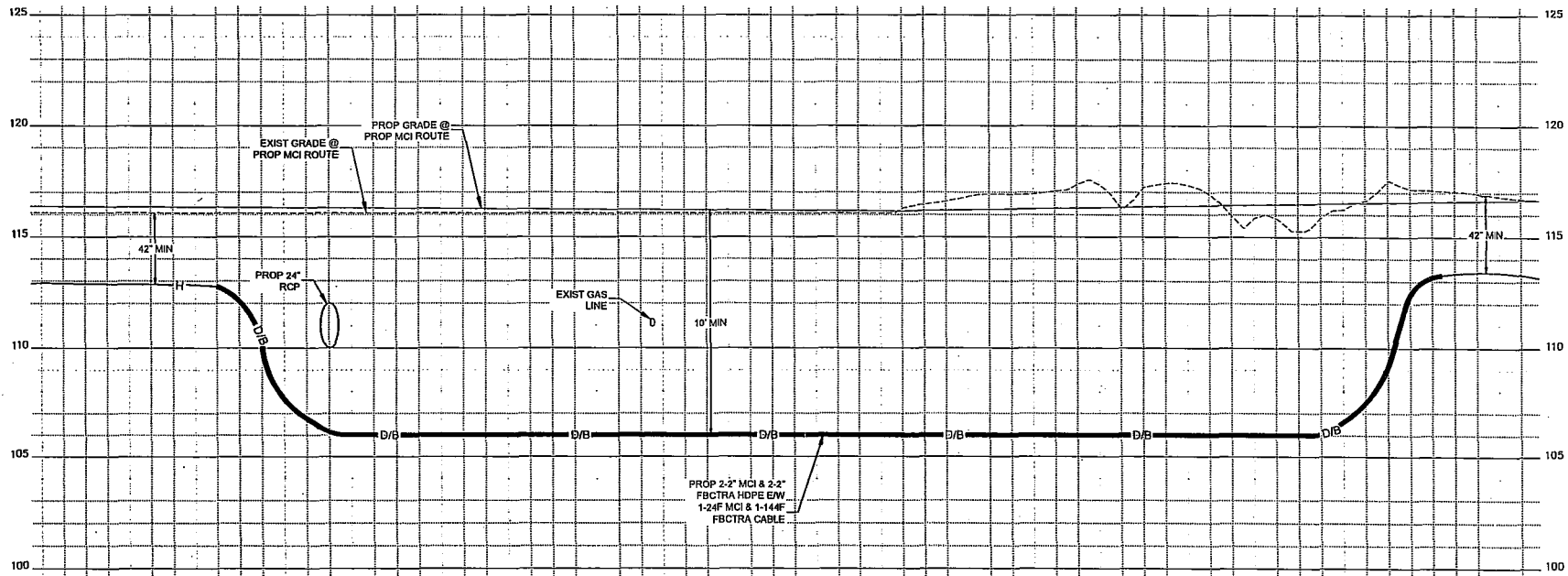
SCALE  
HORIZONTAL: 1"= 50'  
VERTICAL: 1"= N/A  
MP TO MP  
SHEET 32 OF 41  
FILE: R40058-00101832 A.C.R.U.

MCI  
COMMUNICATION SERVICES INC  
OUTSIDE PLANT CONSTRUCTION  
TITLE: FIBER OPTIC ROUTE  
FM 1093 WESTPARK EXTENSION  
HOUSTON, TX

HOUSTON, TX  
FORT BEND COUNTY



PROJECT: R40058-001  
HOUSTON, TX  
FM 1093 WESTPARK EXTENSION



MCI  
COMMUNICATION SERVICES INC  
OUTSIDE PLANT CONSTRUCTION  
TITLE: FIBER OPTIC ROUTE  
FM 1093 WESTPARK EXTENSION  
HOUSTON, TX

DATE: 8/4/15  
ENGINEER: JEFF BUEHLER  
DRAWN BY: G.F.S. (M/R)

REVISIONS		
No	DATE	DESCRIPTION

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SCALE

HORIZONTAL: 1" = 50'

VERTICAL: 1" = 5'

MP \_\_\_\_\_ TO MP \_\_\_\_\_

SHEET 32A OF 41

FILE: R40058-00101032B.C.R&U

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

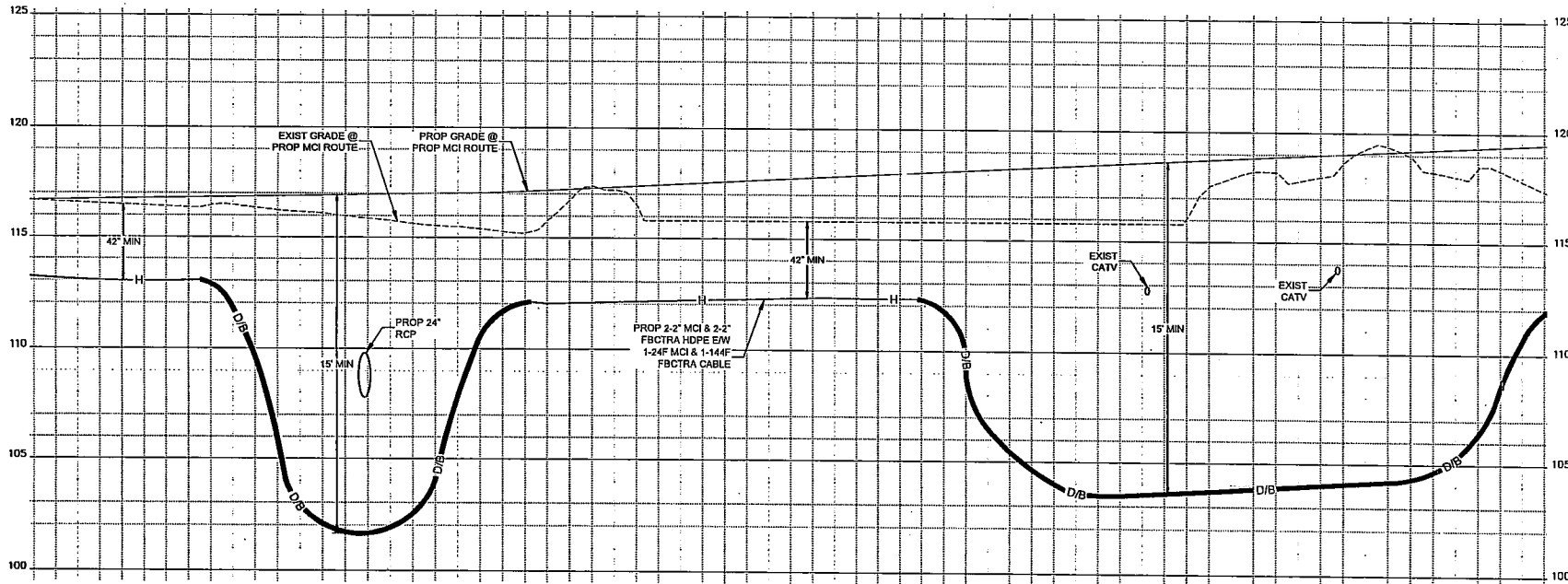


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HOUSTON, TX  
FORT BEND COUNTY



PROJECT: R40058-001  
HOUSTON, TX  
FM 1093 WESTPARK EXTENSION



COMMUNICATION SERVICES INC  
OUTSIDE PLANT CONSTRUCTION  
TITLE: FIBER OPTIC ROUTE  
FM 1093 WESTPARK EXTENSION  
HOUSTON, TX

DATE: 8/4/15  
ENGINEER: JEFF BUEHLER  
DRAWN BY: G.F.S. (MR)

REVISIONS		
No.	DATE	DESCRIPTION

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SCALE  
HORIZONTAL: 1" = 50'  
VERTICAL: 1" = 5'  
MP TO MP  
SHEET 33A OF 41

FILE: R40058-00101033B C.R6U

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



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1-800-545-6005  
48 HOURS NOTICE REQUIRED

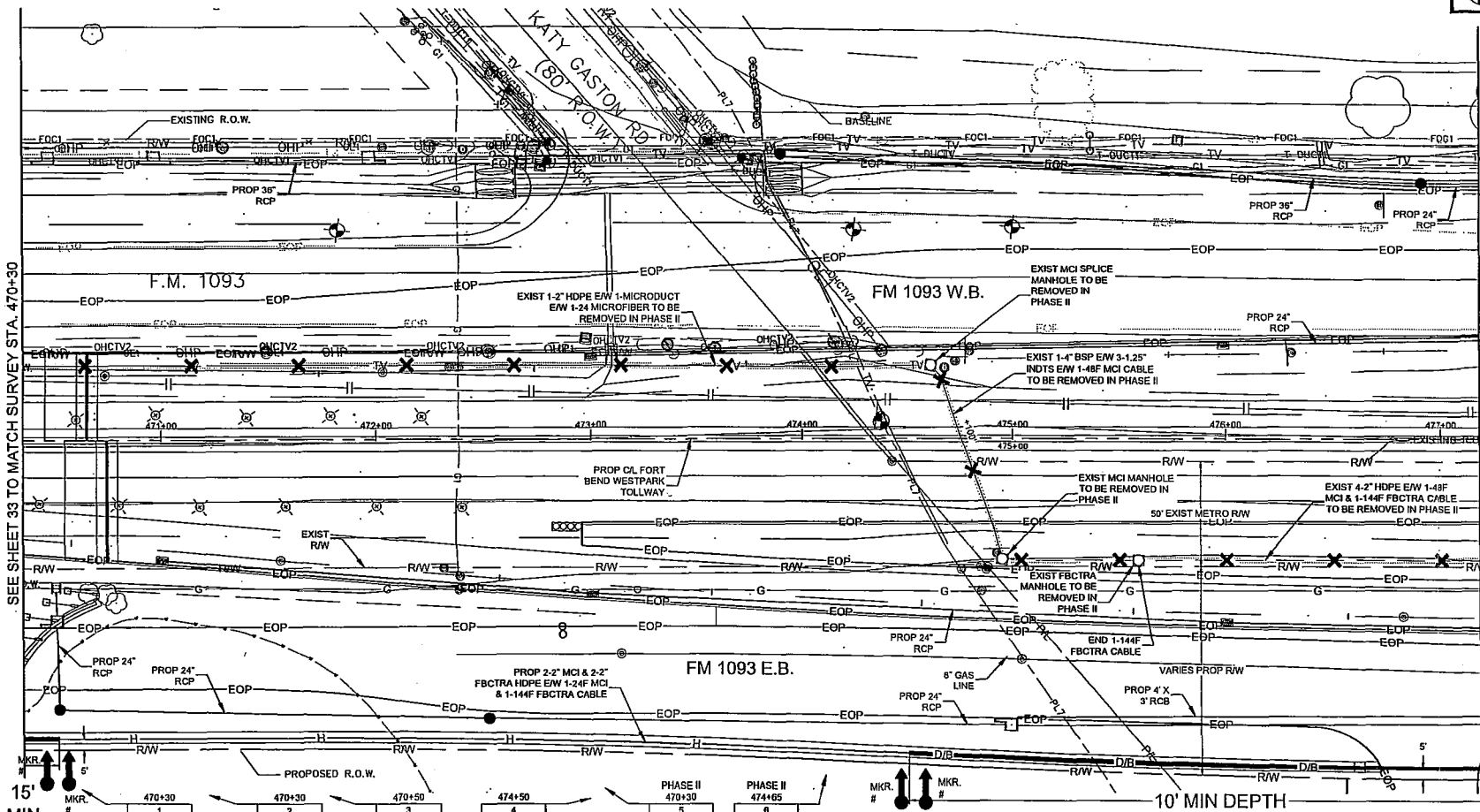
HOUSTON, TX  
FORT BEND COUNTY



verizonbusiness

PROJECT: R40058-001  
HOUSTON, TX  
FM 1093 WESTPARK EXTENSION

CLARIFICATION NO.	QUANTITY
210	400'
252	2
252A	1
410	090'
415A	435'
415C	100'
415D	230'
630	290'
710	2
710A	2



SEE SHEET 33 TO MATCH SURVEY STA. 470+30

SEE SHEET 35 TO MATCH SURVEY STA. 477+20

MCI  
COMMUNICATION SERVICES INC  
OUTSIDE PLANT CONSTRUCTION  
TITLE: FIBER OPTIC ROUTE  
FM 1093 WESTPARK EXTENSION  
HOUSTON, TX

DATE: 8/4/15  
ENGINEER: JEFF BUEHLER  
DRAWN BY: G.F.S. (MR)

REVISIONS			
No.	DATE	DESCRIPTION	BY

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SCALE

HORIZONTAL: 1"= 50'  
VERTICAL: 1"= N/A  
MP TO MP  
SHEET 34 OF 41

FILE: R40058-00101034A.C.RU

15'  
MIN  
DEPTH

<p>END BORE 470+50 PLACE MCI 6-C FBCTRA MKR</p> <table border="1"> <tr><td>1</td><td>470+30</td></tr> <tr><td>630</td><td>20'</td></tr> <tr><td>6-C</td><td>4C</td></tr> </table> <p>BORE 2-2" MCI &amp; 2-2" FBCTRA HDPE</p>	1	470+30	630	20'	6-C	4C	<p>PROPOSED R.O.W.</p> <table border="1"> <tr><td>2</td><td>470+30</td></tr> <tr><td>410</td><td>690'</td></tr> <tr><td>6-C</td><td>4C</td></tr> </table> <p>PULL 1-24F MCI &amp; 1-144F FBCTRA CABLE</p>	2	470+30	410	690'	6-C	4C	<table border="1"> <tr><td>3</td><td>470+50</td></tr> <tr><td>210</td><td>400'</td></tr> <tr><td>400'</td><td>6-C</td></tr> <tr><td>4C</td><td>4C</td></tr> </table> <p>PLACE 2-2" MCI &amp; 2-2" FBCTRA HDPE</p>	3	470+50	210	400'	400'	6-C	4C	4C	<table border="1"> <tr><td>4</td><td>474+50</td></tr> <tr><td>830</td><td>270'</td></tr> <tr><td>6-C</td><td>4C</td></tr> </table> <p>BORE 2-2" MCI &amp; 2-2" FBCTRA HDPE</p>	4	474+50	830	270'	6-C	4C	<p>PHASE II 470+30</p> <table border="1"> <tr><td>5</td><td>415A</td></tr> <tr><td>415C</td><td>100'</td></tr> <tr><td>6-C</td><td>4X</td></tr> </table> <p>REMOVE 1-MICRODUCT EW 1-24F MCI MICROCABLE</p>	5	415A	415C	100'	6-C	4X	<p>PHASE II 474+65</p> <table border="1"> <tr><td>6</td><td>415C</td></tr> <tr><td>100'</td><td>6-C</td></tr> <tr><td>4X</td><td>4X</td></tr> </table> <p>REMOVE 1-48F MCI CABLE</p>	6	415C	100'	6-C	4X	4X	<p>PHASE II 474+50</p> <table border="1"> <tr><td>7</td><td>415D</td></tr> <tr><td>230'</td><td>6-C</td></tr> <tr><td>4X</td><td>4X</td></tr> </table> <p>REMOVE 1-48F MCI &amp; 1-144F FBCTRA CABLE</p>	7	415D	230'	6-C	4X	4X	<p>PHASE II 475+59</p> <table border="1"> <tr><td>8</td><td>252</td></tr> <tr><td>1</td><td>6-C</td></tr> <tr><td>4X</td><td>4X</td></tr> </table> <p>REMOVE MCI MANHOLE</p>	8	252	1	6-C	4X	4X	<p>PHASE II 474+50</p> <table border="1"> <tr><td>9</td><td>252</td></tr> <tr><td>1</td><td>6-C</td></tr> <tr><td>4X</td><td>4X</td></tr> </table> <p>REMOVE MCI MANHOLE</p>	9	252	1	6-C	4X	4X	<p>PHASE II 475+59</p> <table border="1"> <tr><td>10</td><td>252A</td></tr> <tr><td>1</td><td>6-C</td></tr> <tr><td>4X</td><td>4X</td></tr> </table> <p>REMOVE FBCTRA MANHOLE</p>	10	252A	1	6-C	4X	4X
1	470+30																																																																						
630	20'																																																																						
6-C	4C																																																																						
2	470+30																																																																						
410	690'																																																																						
6-C	4C																																																																						
3	470+50																																																																						
210	400'																																																																						
400'	6-C																																																																						
4C	4C																																																																						
4	474+50																																																																						
830	270'																																																																						
6-C	4C																																																																						
5	415A																																																																						
415C	100'																																																																						
6-C	4X																																																																						
6	415C																																																																						
100'	6-C																																																																						
4X	4X																																																																						
7	415D																																																																						
230'	6-C																																																																						
4X	4X																																																																						
8	252																																																																						
1	6-C																																																																						
4X	4X																																																																						
9	252																																																																						
1	6-C																																																																						
4X	4X																																																																						
10	252A																																																																						
1	6-C																																																																						
4X	4X																																																																						



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

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

HOUSTON, TX  
FORT BEND COUNTY



PROJECT: R40058-001  
HOUSTON, TX  
FM 1093 WESTPARK EXTENSION

COMMUNICATION SERVICES INC  
OUTSIDE PLANT CONSTRUCTION  
TITLE: FIBER OPTIC ROUTE  
FM 1093 WESTPARK EXTENSION  
HOUSTON, TX

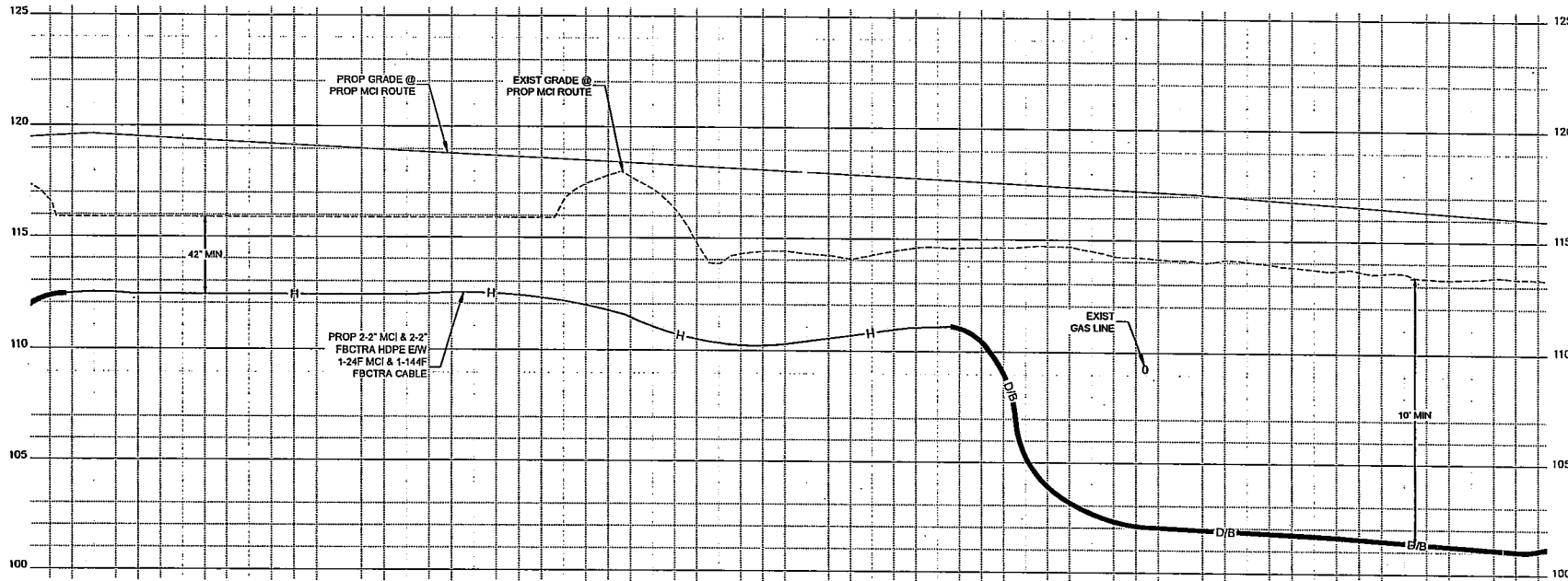
DATE: 8/4/15  
ENGINEER: JEFF BUEHLER  
DRAWN BY: G.F.S. (MR)

REVISIONS		
No.	DATE	DESCRIPTION

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

SCALE

HORIZONTAL: 1" = 50'  
VERTICAL: 1" = 5'  
MP TO MP  
SHEET 34A OF 41  
FILE: R40058-00101034B C.R.AU



PROP GRADE @  
PROP MCI ROUTE

EXIST GRADE @  
PROP MCI ROUTE

42' MIN

PROP 2-2" MCI & 2-2"  
FBCTRA HDPE E/W  
1-24F MCI & 1-144F  
FBCTRA CABLE

EXIST  
GAS LINE

10' MIN

D/B

D/B

B/B



CALL BEFORE YOU DIG  
1-800-545-6005  
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HOUSTON, TX  
FORT BEND COUNTY

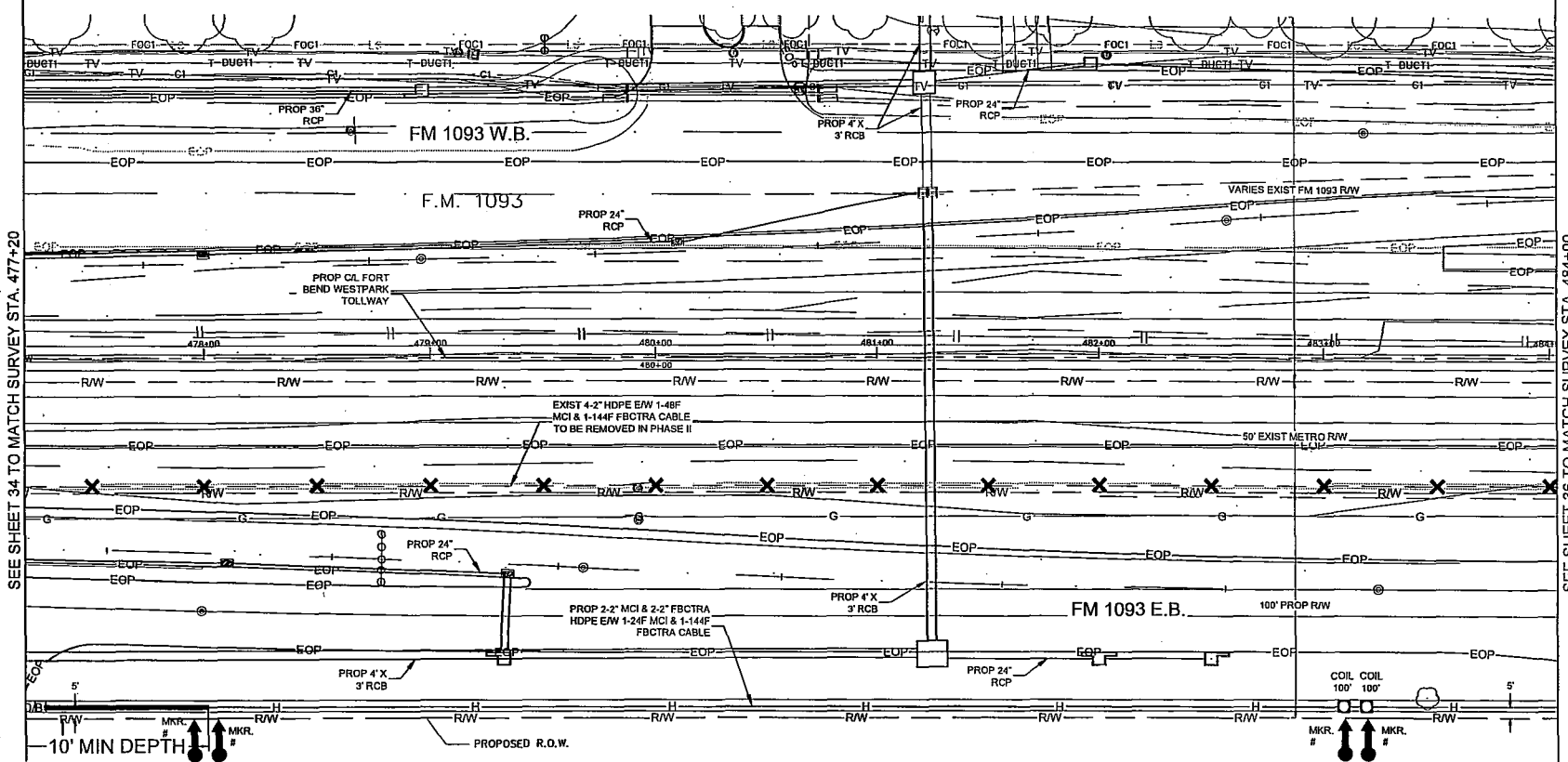


verizonbusiness

PROJECT: R40058-001

HOUSTON, TX  
FM 1093 WESTPARK EXTENSION

CLARIFICATION NO.	QUANTITY
210	600'
250	1
250A	1
410	780'
415D	680'
630	80'
710	2
710A	2



SEE SHEET 34 TO MATCH SURVEY STA. 477+20

SEE SHEET 35 TO MATCH SURVEY STA. 484+00

COMMUNICATION SERVICES INC  
OUTSIDE PLANT CONSTRUCTION  
TITLE: FIBER OPTIC ROUTE  
FM 1093 WESTPARK EXTENSION  
HOUSTON, TX

DATE: 8/1/15  
ENGINEER: JEFF BUEHLER  
DRAWN BY: G.F.S. (MR)

REVISIONS			
No.	DATE	DESCRIPTION	BY

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SCALE

HORIZONTAL: 1" = 50'

VERTICAL: 1" = N/A

MP TO MP

SHEET 35 OF 41

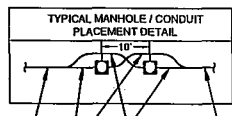
FILE: R40058-001035A C.R.U

Station	Item	Description
477+20	1	BORE 2-2" MCI & 2-2" FBCTRA HDPE
	2	END BORE 478+00
	3	PLACE FBCTRA MKR 478+10
	4	PLACE FBCTRA MKR
478+20	1	PULL 1-24F MCI & 1-144F FBCTRA CABLE W/ 100' COIL
	2	210
	3	780'
	4	6-C
478+100	1	PLACE 2-2" MCI & 2-2" FBCTRA HDPE
	2	250
	3	250A
	4	6-C
483+00	1	PLACE 4"x4" MCI MANHOLE
	2	4C
	3	4C
	4	4C
483+10	1	PLACE 4"x4" FBCTRA MANHOLE
	2	4C
	3	4C
	4	4C
PHASE II 477+20	1	REMOVE 1-48F MCI & 1-144F FBCTRA CABLE
	2	415D
	3	680'
	4	6-C



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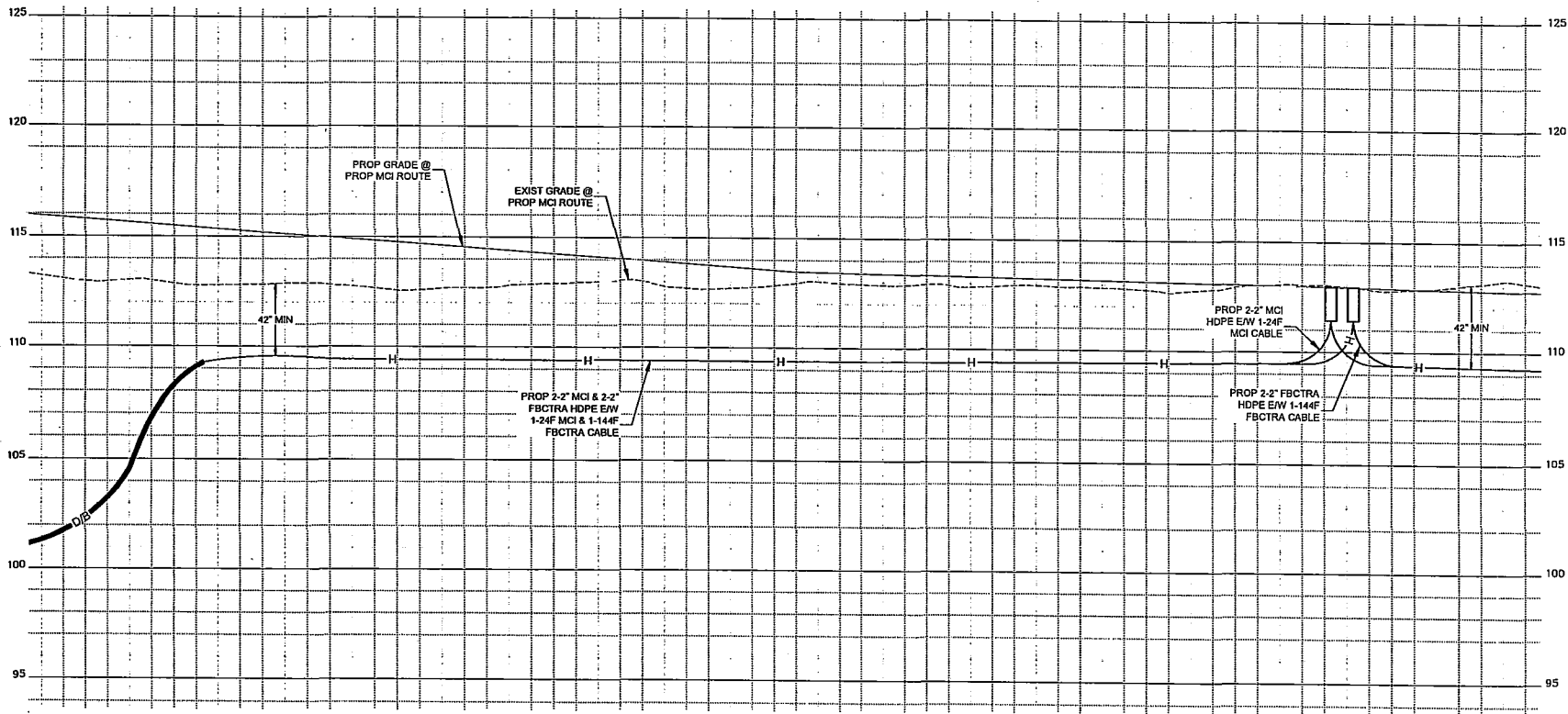


PROP 2-2" MCI & 2-2" FBCTRA HDPE  
PROP 2-2" MCI HDPE  
PROP 2-2" FBCTRA HDPE  
PROP 2-2" MCI & 2-2" FBCTRA HDPE

HOUSTON, TX  
FORT BEND COUNTY



PROJECT: R40058-001  
HOUSTON, TX  
FM 1093 WESTPARK EXTENSION



COMMUNICATION SERVICES INC  
OUTSIDE PLANT CONSTRUCTION  
TITLE: FIBER OPTIC ROUTE  
FM 1093 WESTPARK EXTENSION  
HOUSTON, TX

DATE: 01/15  
ENGINEER: JEFF BUEHLER  
DRAWN BY: G.F.S. (MR)

REVISIONS		
No.	DATE	DESCRIPTION

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SCALE  
HORIZONTAL: 1" = 50'  
VERTICAL: 1" = 5'  
MP TO MP  
SHEET 35A OF 41

FILE: R40058-00101035B C.R.AU

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



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HOUSTON, TX  
FORT BEND COUNTY



PROJECT: R40058-001  
HOUSTON, TX  
FM 1093 WESTPARK EXTENSION

CLARIFICATION NO.	QUANTITY
210	490'
252A	1
410	690'
415D	690'
630	200'
710	2
710A	2

MCI  
COMMUNICATION SERVICES INC  
OUTSIDE PLANT CONSTRUCTION  
TITLE: FIBER OPTIC ROUTE  
FM 1093 WESTPARK EXTENSION  
HOUSTON, TX

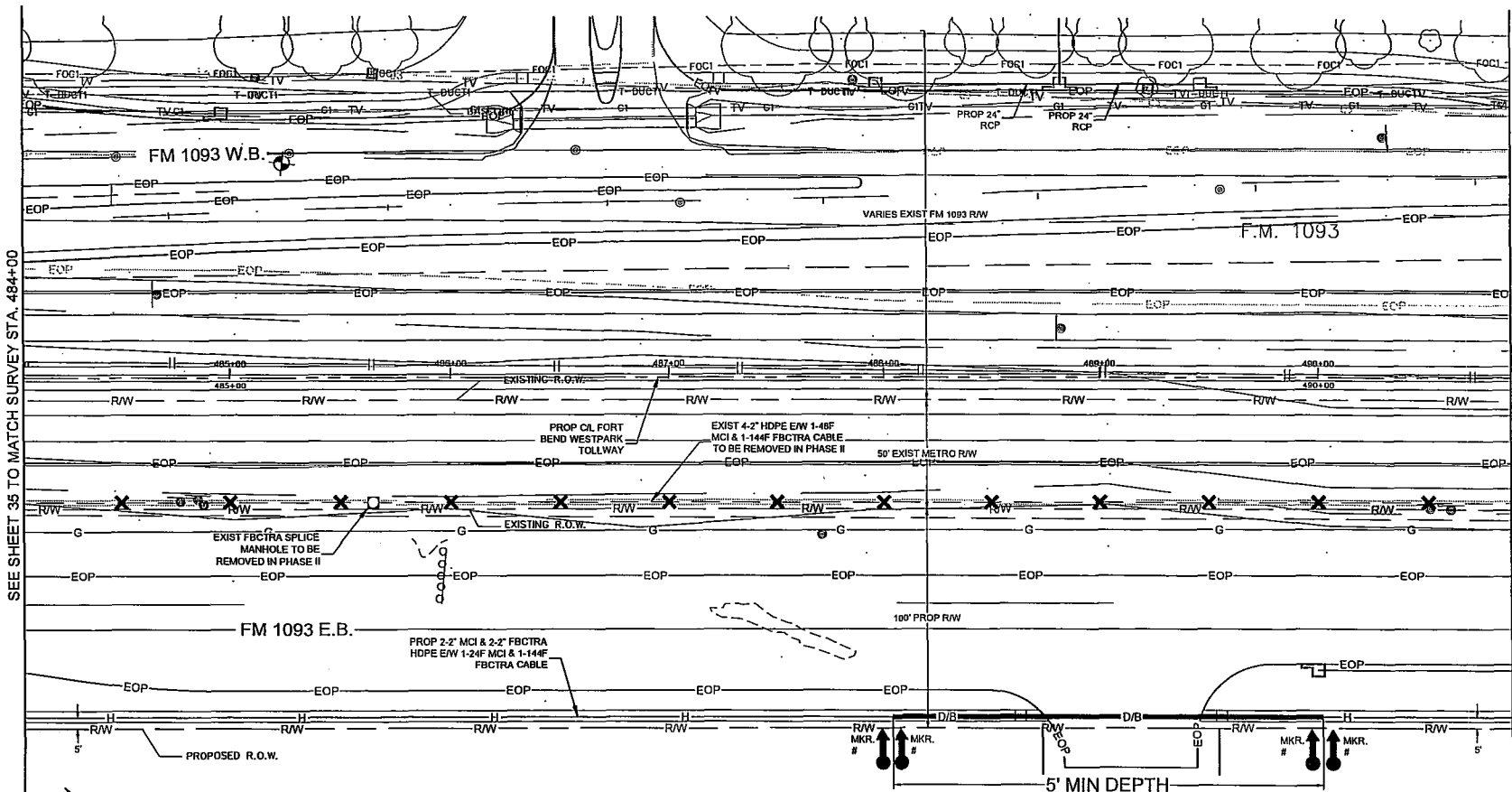
DATE: 8/1/15  
ENGINEER: JEFF BUEHLER  
DRAWN BY: G.F.S. (MR)

REVISIONS			
No.	DATE	DESCRIPTION	BY

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SCALE  
HORIZONTAL: 1" = 50'  
VERTICAL: 1" = N/A  
MP TO MP  
SHEET 38 OF 41

FILE: R40058-00101036A.C.RAU



SEE SHEET 35 TO MATCH SURVEY STA. 484+00

SEE SHEET 37 TO MATCH SURVEY STA. 490+90

- 484+00  
1  
210  
400'  
6-C  
4C  
PLACE 2-2" MCI & 2-2" FBCTRA HDPE
- 484+00  
2  
410  
690'  
6-C  
4C  
PULL 1-24F MCI & 1-144F FBCTRA CABLE
- 485+64  
EXIST FBCTRA SPICE MH
- 488+00  
3  
630  
200'  
6-C  
4C  
BORE 2-2" MCI & 2-2" FBCTRA HDPE
- 490+00  
4  
210  
690'  
6-C  
4C  
PLACE 2-2" MCI & 2-2" FBCTRA HDPE

- BEGIN BORE 488+00  
PLACE MKR  
PLACE MKR  
FBCTRA MKR
- 488+10  
488+10  
PLACE MKR
- PHASE II 484+00  
5  
415D  
690'  
6-C  
4C  
REMOVE 1-48F MCI & 1-144F FBCTRA CABLE
- PHASE II 484+00  
6  
252A  
1  
6-C  
4C  
REMOVE FBCTRA MH
- END BORE 490+00  
PLACE MKR  
PLACE MKR  
FBCTRA MKR
- 490+10  
490+10  
PLACE MKR



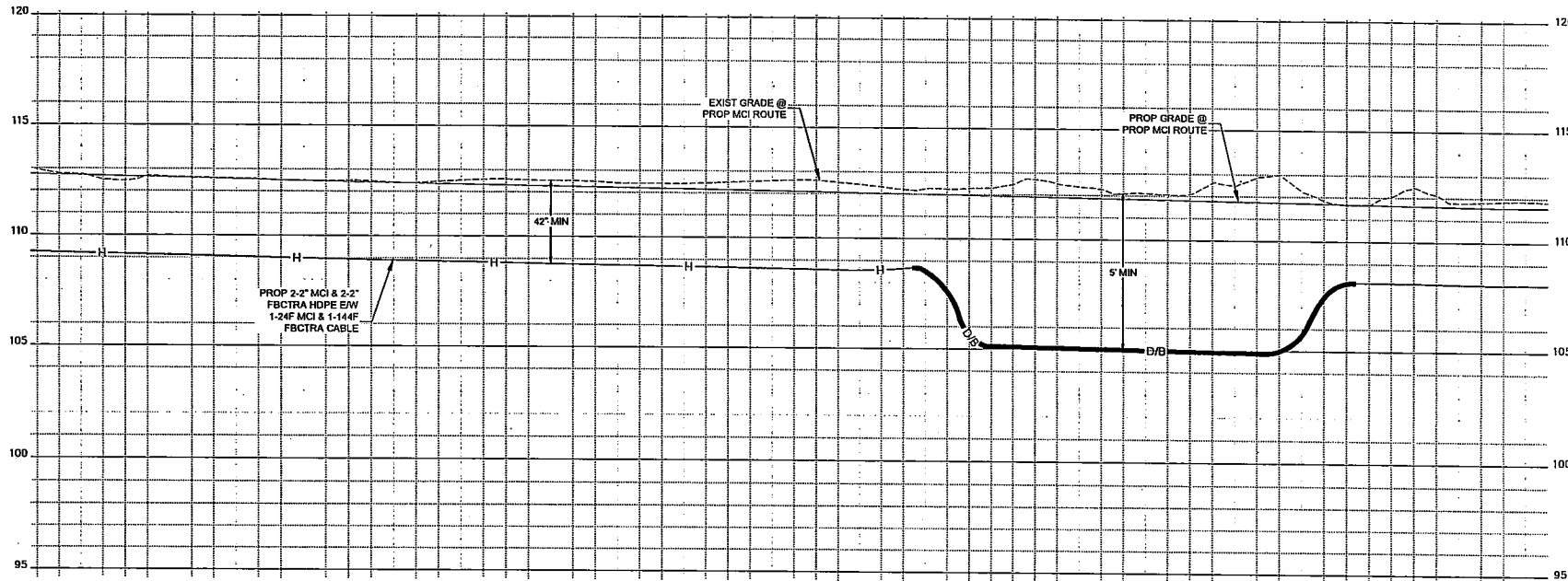
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HOUSTON, TX  
FORT BEND COUNTY



PROJECT: R40058-001  
HOUSTON, TX  
FM 1093 WESTPARK EXTENSION



COMMUNICATION SERVICES INC  
OUTSIDE PLANT CONSTRUCTION  
TITLE: FIBER OPTIC ROUTE  
FM 1093 WESTPARK EXTENSION  
HOUSTON, TX

DATE: 04/15  
ENGINEER: JEFF BUEHLER  
DRAWN BY: G.F.S. (MR)

REVISIONS		
No.	DATE	DESCRIPTION

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SCALE  
HORIZONTAL: 1"= 50'  
VERTICAL: 1"= 5'  
MP TO MP  
SHEET 30A OF 41

FILE: R40058-00101036B C,R&U

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



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FORT BEND COUNTY



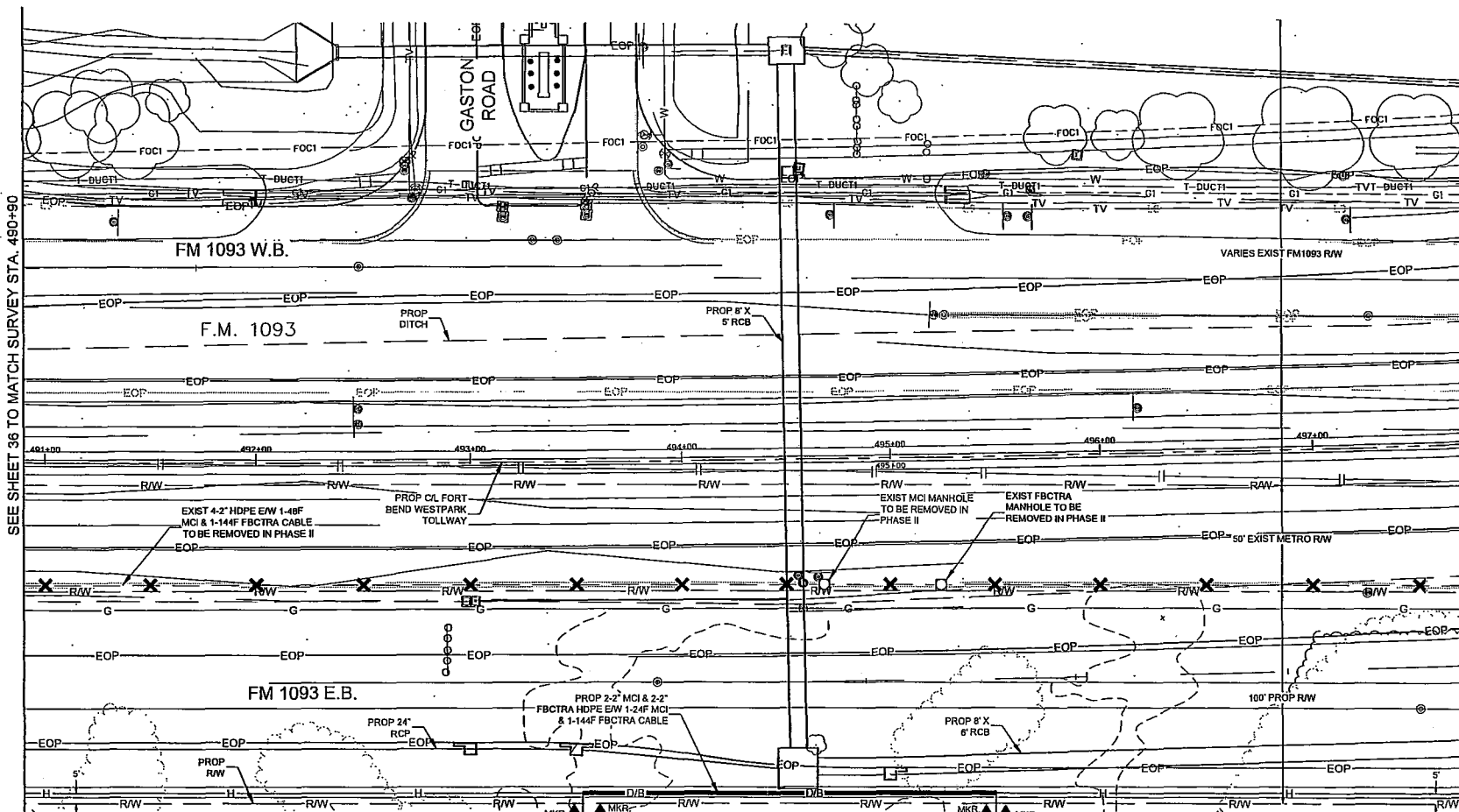
**verizonbusiness**

PROJECT: R40058-001

HOUSTON, TX

FM 1093 WESTPARK EXTENSION

CLARIFICATION NO.	QUANTITY
210	480'
252	1
252A	1
410	680'
415D	680'
630	200'
710	2
710A	2



SEE SHEET 36 TO MATCH SURVEY STA. 490+90

SEE SHEET 38 TO MATCH SURVEY STA. 497+70

COMMUNICATION SERVICES INC  
OUTSIDE PLANT CONSTRUCTION  
TITLE: FIBER OPTIC ROUTE  
FM 1093 WESTPARK EXTENSION  
HOUSTON, TX

DATE: 8/1/15

ENGINEER: JEFF BUEHLER

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

REVISIONS

No.	DATE	DESCRIPTION	BY

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**SCALE**

HORIZONTAL: 1" = 50'

VERTICAL: 1" = N/A

MP TO MP

SHEET 37 OF 41

FILE: R40058-001037A,C,R,U

Station	1	2	3	4
490+80	210	410	630	210
490+90	280'	680'	200'	220'
	B-C	B-C	B-C	B-C
	4C	4C	4C	4C

PLACE 2-2" MCI & 2-2" FBCTRA HDPE

PULL 1-24F MCI & 1-144F FBCTRA CABLE

BORE 2-2" MCI & 2-2" FBCTRA HDPE

PLACE 2-2" MCI & 2-2" FBCTRA HOPE

BEGIN BORE, PLACE MKR, PLACE FBCTRA MKR

EXIST MCI MH 484+78

EXIST FBCTRA MH 485+23

BEGIN BORE, PLACE MKR, PLACE FBCTRA MKR

REMOVE 1-48F MCI & 1-144F FBCTRA CABLE

REMOVE MCI MH

REMOVE FBCTRA MH

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

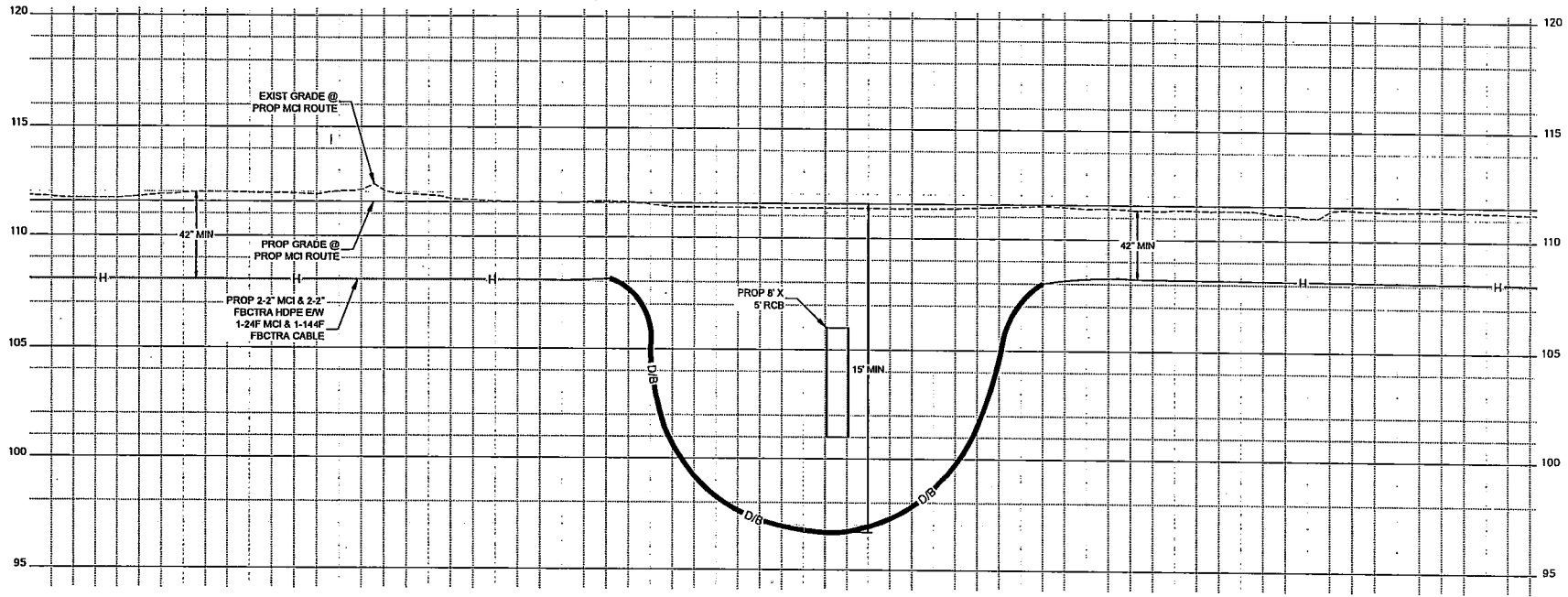


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HOUSTON, TX  
FORT BEND COUNTY



PROJECT: R40058-001  
HOUSTON, TX  
FM 1093 WESTPARK EXTENSION



COMMUNICATION SERVICES INC  
OUTSIDE PLANT CONSTRUCTION  
TITLE: FIBER OPTIC ROUTE  
FM 1093 WESTPARK EXTENSION  
HOUSTON, TX

DATE: 8/4/15  
ENGINEER: JEFF BUEHLER  
DRAWN BY: G.F.S. (MR)

REVISIONS		
No.	DATE	DESCRIPTION

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SCALE  
HORIZONTAL: 1" = 50'  
VERTICAL: 1" = 5'  
MP TO MP  
SHEET 37A OF 41  
FILE: R40058-001010368 C.R&U

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.



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HOUSTON, TX  
FORT BEND COUNTY



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PROJECT: R40058-001

HOUSTON, TX

FM 1093 WESTPARK EXTENSION

CLARIFICATION NO.	QUANTITY
210	480'
410	680'
415D	680'
630	200'
710	2
710A	2

COMMUNICATION SERVICES INC  
OUTSIDE PLANT CONSTRUCTION  
TITLE: FIBER OPTIC ROUTE  
FM 1093 WESTPARK EXTENSION  
HOUSTON, TX

DATE: 8/4/15

ENGINEER: JEFF BUEHLER

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

REVISIONS

No.	DATE	DESCRIPTION	BY

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SCALE

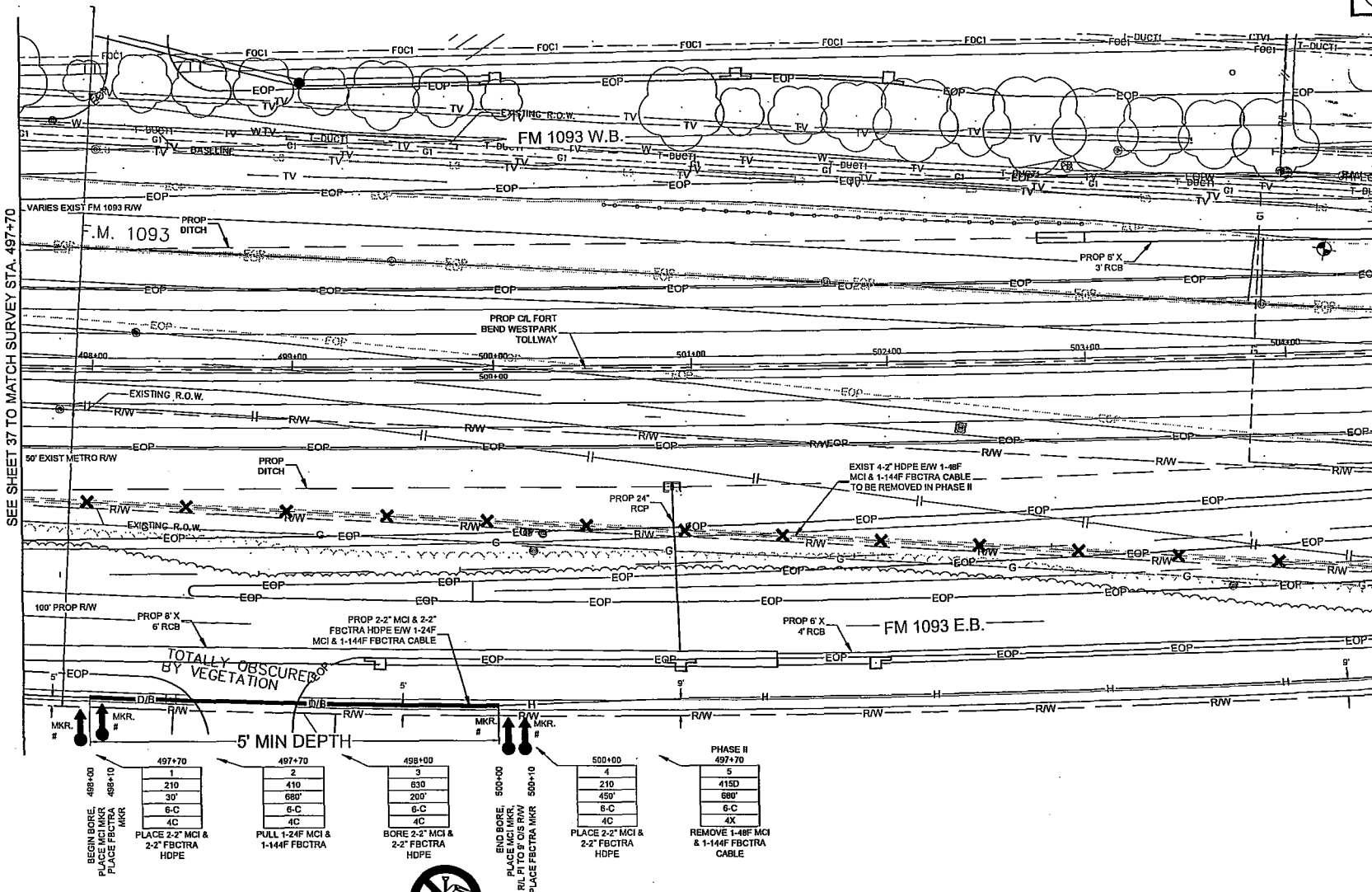
HORIZONTAL: 1" = 50'

VERTICAL: 1" = N/A

MP TO MP

SHEET 38 OF 41

FILE: R40058-00101638.A C.R.U.



SEE SHEET 37 TO MATCH SURVEY STA. 497+70

SEE SHEET 39 TO MATCH SURVEY STA. 504+50

<p>BEGIN BORE, PLACE MCI MKR, PLACE FBCTRA MKR</p> <p>488+00</p> <p>497+70</p> <table border="1"> <tr><td>210</td></tr> <tr><td>30'</td></tr> <tr><td>6-C</td></tr> <tr><td>4C</td></tr> </table> <p>PLACE 2-2" MCI &amp; 2-2" FBCTRA HDPE</p>	210	30'	6-C	4C	<p>497+70</p> <table border="1"> <tr><td>410</td></tr> <tr><td>680'</td></tr> <tr><td>6-C</td></tr> <tr><td>4C</td></tr> </table> <p>PULL 1-24F MCI &amp; 1-144F FBCTRA</p>	410	680'	6-C	4C	<p>498+00</p> <table border="1"> <tr><td>630</td></tr> <tr><td>200'</td></tr> <tr><td>6-C</td></tr> <tr><td>4C</td></tr> </table> <p>BORE 2-2" MCI &amp; 2-2" FBCTRA HDPE</p>	630	200'	6-C	4C	<p>500+00</p> <table border="1"> <tr><td>210</td></tr> <tr><td>450'</td></tr> <tr><td>6-C</td></tr> <tr><td>4C</td></tr> </table> <p>PLACE 2-2" MCI &amp; 2-2" FBCTRA HDPE</p>	210	450'	6-C	4C	<p>PHASE II 497+70</p> <table border="1"> <tr><td>415D</td></tr> <tr><td>680'</td></tr> <tr><td>6-C</td></tr> <tr><td>4X</td></tr> </table> <p>REMOVE 1-48F MCI &amp; 1-144F FBCTRA CABLE</p>	415D	680'	6-C	4X
210																								
30'																								
6-C																								
4C																								
410																								
680'																								
6-C																								
4C																								
630																								
200'																								
6-C																								
4C																								
210																								
450'																								
6-C																								
4C																								
415D																								
680'																								
6-C																								
4X																								



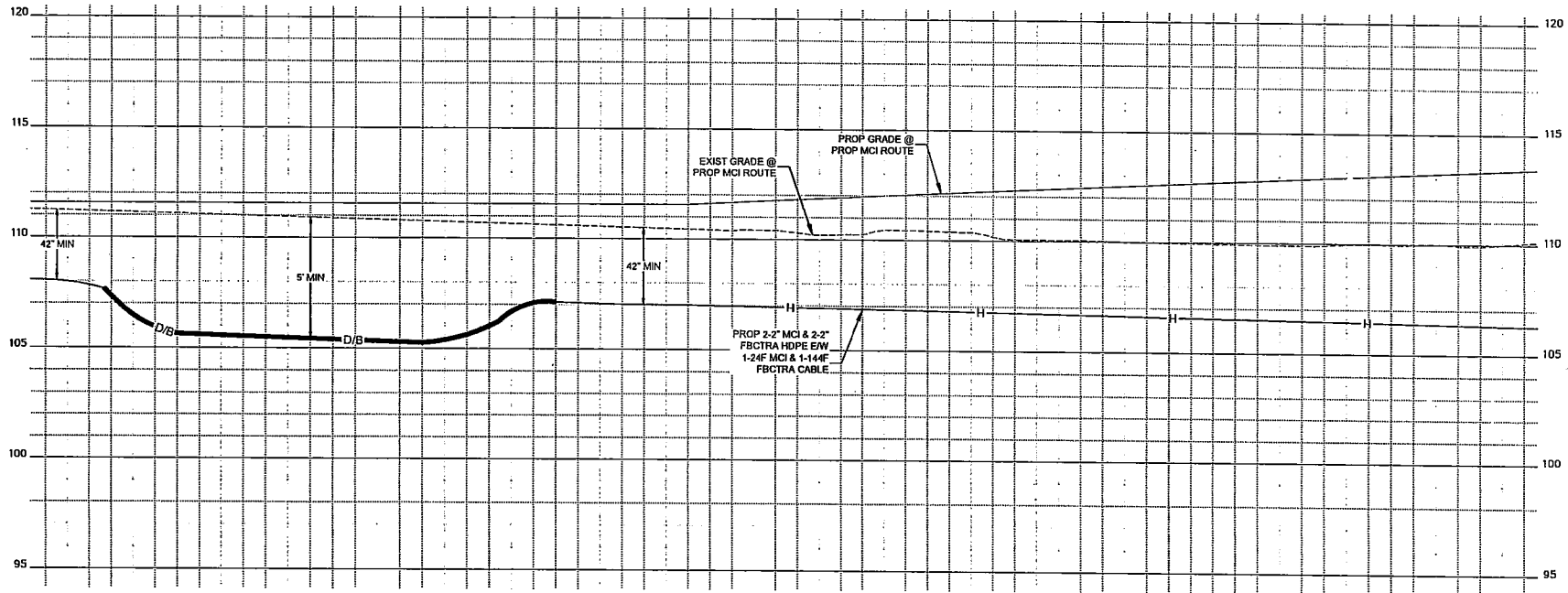
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HOUSTON, TX  
FORT BEND COUNTY



PROJECT: R40058-001  
HOUSTON, TX  
FM 1093 WESTPARK EXTENSION



COMMUNICATION SERVICES INC  
OUTSIDE PLANT CONSTRUCTION  
TITLE: FIBER OPTIC ROUTE  
FM 1093 WESTPARK EXTENSION  
HOUSTON, TX

DATE: 8/4/15  
ENGINEER: JEFF BUEHLER  
DRAWN BY: G.F.S. (MR)

REVISIONS

No.	DATE	DESCRIPTION	BY

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SCALE  
HORIZONTAL: 1"= 50'  
VERTICAL: 1"= 5'  
MP TO MP  
SHEET 38A OF 41  
FILE: R40058-00101038B C.RAU

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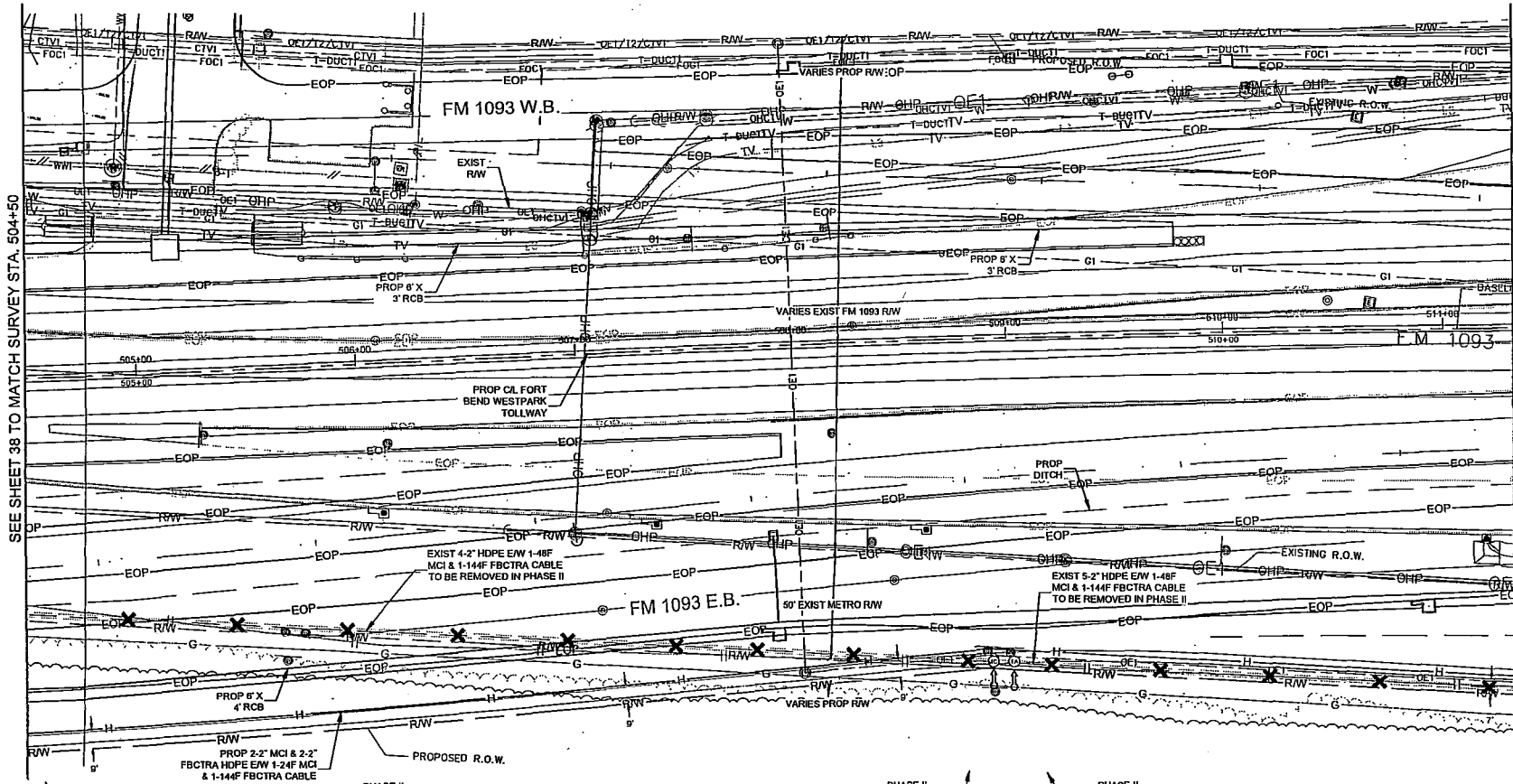
HOUSTON, TX  
FORT BEND COUNTY



PROJECT: R40058-001

HOUSTON, TX  
FM 1093 WESTPARK EXTENSION

CLARIFICATION NO.	QUANTITY
210	600'
252	1
252A	1
410	800'
415D	800'



SEE SHEET 38 TO MATCH SURVEY STA. 504+50

SEE SHEET 40 TO MATCH SURVEY STA. 511+30

COMMUNICATION SERVICES INC  
OUTSIDE PLANT CONSTRUCTION  
TITLE: FIBER OPTIC ROUTE  
FM 1093 WESTPARK EXTENSION  
HOUSTON, TX

DATE: 8/4/15  
ENGINEER: JEFF BUEHLER  
DRAWN BY: G.F.S. (MR)

REVISIONS			
No.	DATE	DESCRIPTION	BY

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SCALE  
HORIZONTAL: 1"= 50'  
VERTICAL: 1"= 10'  
MP TO MP  
SHEET 39 OF 41  
FILE: R40058-00101039A C.R&U

504+50		504+50		504+50	
1	210	2	410	3	415D
6B'	80'	6B'	80'	6C'	80'
4C	4C	4C	4C	4X	4X

PLACE 2-2" MCI & 2-2" FBCTRA HDPE

PULL 1-24F MCI & 1-144F FBCTRA CABLE

REMOVE 1-48F MCI & 1-144F FBCTRA CABLE

PHASE II 508+95		PHASE II 508+95	
4	252	4	252A
1	6-C	1	6-C
4X	4X	4X	4X

REMOVE MCI MH

REMOVE FBCTRA MH

EXIST MCI MH TO BE REMOVED. EXIST FBCTRA MH TO BE REMOVED. EXIST FBCTRA MKR



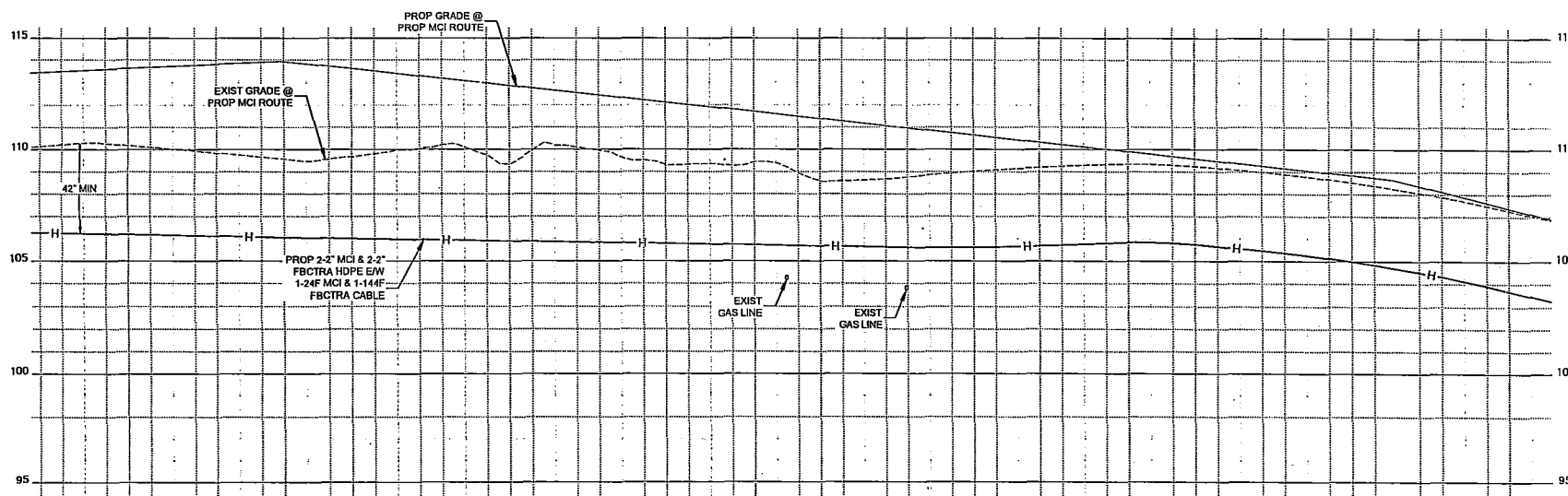
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HOUSTON, TX  
FORT BEND COUNTY



PROJECT: R40058-001  
HOUSTON, TX  
FM 1093 WESTPARK EXTENSION



COMMUNICATION SERVICES INC  
OUTSIDE PLANT CONSTRUCTION  
TITLE: FIBER OPTIC ROUTE  
FM 1093 WESTPARK EXTENSION  
HOUSTON, TX

DATE: 8/4/15  
ENGINEER: JEFF BUEHLER  
DRAWN BY: G.F.S. (MR)

REVISIONS			
No.	DATE	DESCRIPTION	BY

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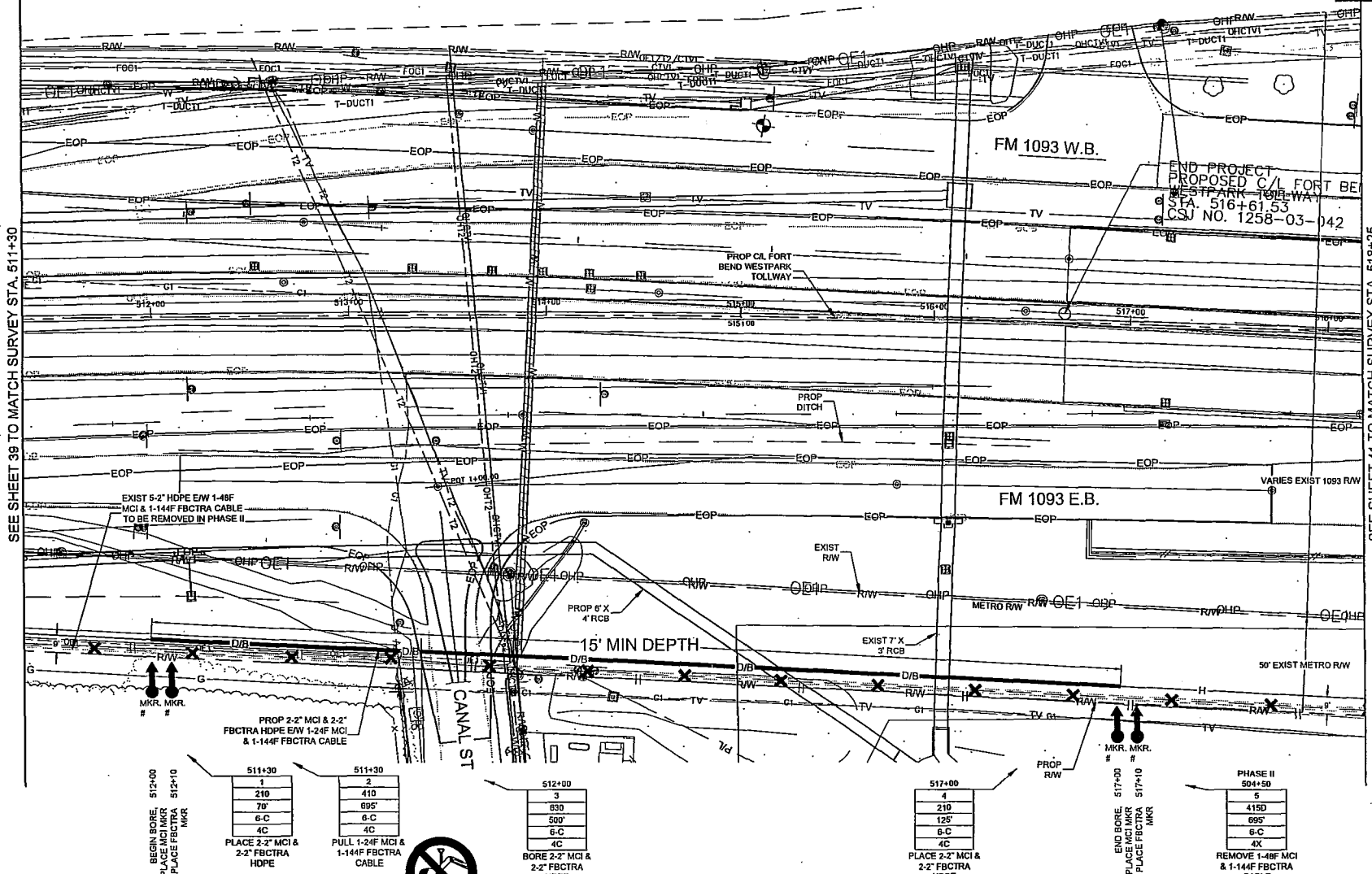
SCALE  
HORIZONTAL: 1" = 50'  
VERTICAL: 1" = 5'  
MP \_\_\_\_\_ TO MP \_\_\_\_\_  
SHEET 39A OF 41  
FILE: R40058-00101039B C.R&U

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  
48 HOURS NOTICE REQUIRED

HOUSTON, TX  
FORT BEND COUNTY



SEE SHEET 39 TO MATCH SURVEY STA. 511+30

SEE SHEET 41 TO MATCH SURVEY STA. 518+25

PROJECT: R40058-001  
HOUSTON, TX  
FM 1093 WESTPARK EXTENSION

CLARIFICATION NO.	QUANTITY
210	185'
410	895'
415D	895'
630	500'
710	2
710A	2

COMMUNICATION SERVICES INC  
OUTSIDE PLANT CONSTRUCTION  
TITLE: FIBER OPTIC ROUTE  
FM 1093 WESTPARK EXTENSION  
HOUSTON, TX

DATE: 8/1/15  
ENGINEER: JEFF BUEHLER  
DRAWN BY: G.F.S. (MR)

REVISIONS		
No.	DATE	DESCRIPTION

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SCALE  
HORIZONTAL: 1"= 50'  
VERTICAL: 1"= N/A  
MP TO MP  
SHEET 40 OF 41  
FILE: R40058-00101039A C.R&U

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48 HOURS NOTICE REQUIRED

BEGIN BORE, 512+00  
PLACE MCI MKR  
PLACE FBCTRA  
512+10 MKR

1
210
70'
6-C
4C

PLACE 2-2" MCI & 2-2" FBCTRA HDPE

511+30
1
210
70'
6-C
4C

PULL 1-24F MCI & 1-144F FBCTRA CABLE

511+30
2
410
895'
6-C
4C

PULL 1-24F MCI & 1-144F FBCTRA CABLE

512+00
3
830
500'
6-C
4C

BORE 2-2" MCI & 2-2" FBCTRA HDPE

517+00
4
210
125'
6-C
4C

PLACE 2-2" MCI & 2-2" FBCTRA HDPE

517+00
5
504+50
415D
895'
6-C
4X

REMOVE 1-48F MCI & 1-144F FBCTRA CABLE

END BORE, 517+00  
PLACE MCI MKR  
PLACE FBCTRA  
517+10 MKR

1
210
70'
6-C
4C

PLACE 2-2" MCI & 2-2" FBCTRA HDPE



HOUSTON, TX  
FORT BEND COUNTY



PROJECT: R40058-001  
HOUSTON, TX  
FM 1093 WESTPARK EXTENSION

CLARIFICATION NO.	QUANTITY
210	99'
210B	10'
320	1
320A	1
410A	109'
410B	209'
415B	109'
415C	99'

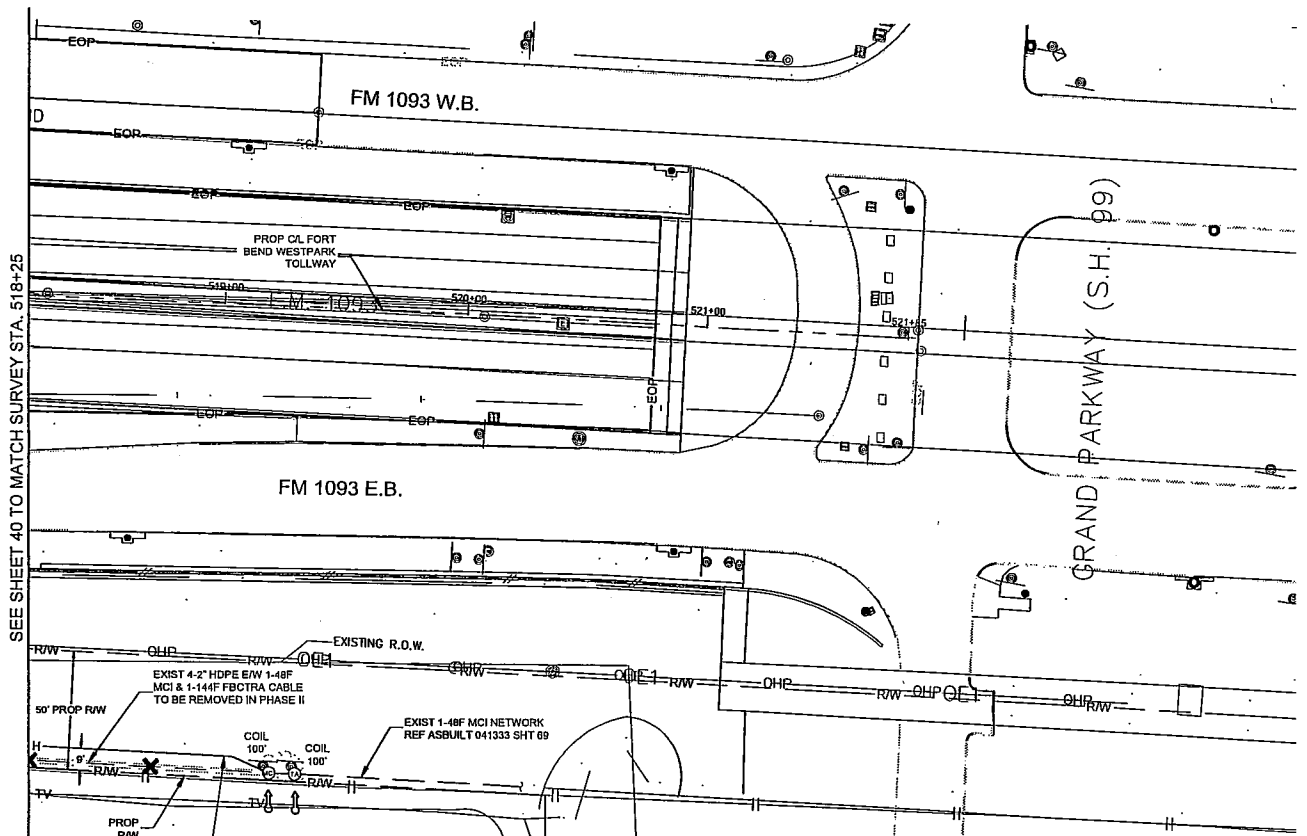
COMMUNICATION SERVICES INC  
MCI  
OUTSIDE PLANT CONSTRUCTION  
TITLE: FIBER OPTIC ROUTE  
FM 1093 WESTPARK EXTENSION  
HOUSTON, TX

DATE: 8/4/15  
ENGINEER: JEFF BUEHLER  
DRAWN BY: G.F.S. (MR)

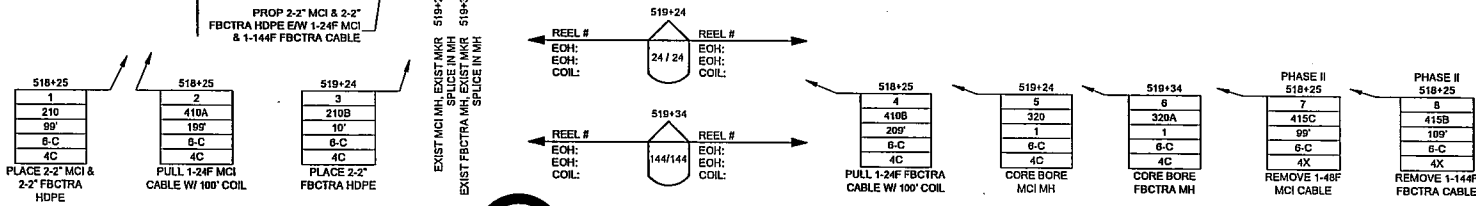
NO.	DATE	DESCRIPTION	BY

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SCALE  
HORIZONTAL: 1" = 50'  
VERTICAL: 1" = N/A  
MP TO MP  
SHEET 41 OF 41  
FILE: R40058-00101041 A C.R.B.U



SEE SHEET 40 TO MATCH SURVEY STA. 518+25



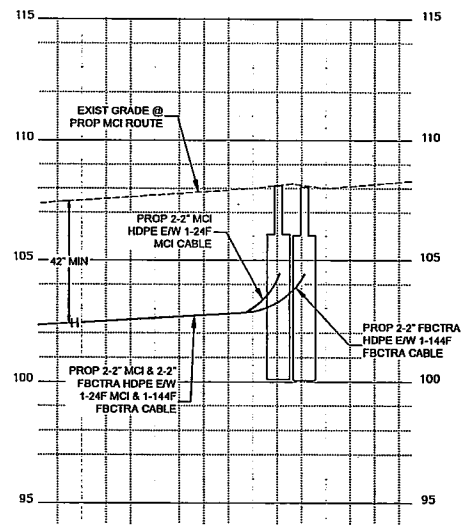
CALL BEFORE YOU DIG  
1-800-545-6005  
48 HOURS NOTICE REQUIRED

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HOUSTON, TX  
FORT BEND COUNTY



PROJECT: R40058-001  
HOUSTON, TX  
FM 1093 WESTPARK EXTENSION



MCI COMMUNICATION SERVICES INC	OUTSIDE PLANT CONSTRUCTION
	TITLE: FIBER OPTIC ROUTE FM 1093 WESTPARK EXTENSION HOUSTON, TX

DATE: 8/4/15  
ENGINEER: JEFF BUEHLER  
DRAWN BY: G.F.S. (MR)

REVISIONS			
No.	DATE	DESCRIPTION	BY

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SCALE  
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VERTICAL: 1" = 5'  
MP TO MP  
SHEET 41A OF 41  
FILE: R40058-00101041 B.C.R.U

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



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48 HOURS NOTICE REQUIRED



# Exhibit B

## OUTSIDE PLANT CONSTRUCTION

### COST ESTIMATE (ACTIVE APPROVED )

09/15/2015

Project/AFE #: R40058-001	Revision: 4	Date Prepared:	06/23/2015
Title	HOUSTON TX RCUP FM 1093 WESTPARK EXTENSION	Engineer:	JEFFERY BUEHLER
Site Code:	HODATX	Manager:	LARRY SAUNDERS
Investigation#:	2191-2015	City:	HOUSTON
Disposition:	REFUNDABLE CUP	State:	TX
		Footage Impact:	22,279

#### DESCRIPTION OF WORK

This project proposes to relocate the existing VzB network along the Fort Bend CO. (formerly UPRR) ROW to the back of the ROW to avoid conflicts with the Westpark Extension Project. Phase I is from SH 99 west to FM 359/FM 1463 includes the construction of two toll lanes in each direction from SH 99 to west of Spring Green and two frontage road lanes in each direction from SH 99 to just east of FM 1463. The frontage roads will transition back to the existing roadway just east of FM 1463. Phase I includes grade separations at Katy-Gaston and at FM 723/Spring Green. The project will primarily consists of directional boring approximately 22,279 feet of (4) 2" HDPE, placing 16 manholes, pulling approximately 23,818' of 24F and 144 fiber cable thru duct and placing approximately 106 buried cable markers. The old handholes and cable will be removed after splicing.

#### SCHEDULE

Eng. Start:	03/17/2015	Const. Start:	10/26/2015
Eng. Complete:	07/06/2015	Const. Complete:	01/29/2016

#### SUMMARY OF ESTIMATED COSTS

A):	ENGINEERING:	\$65,483.85
B):	INSPECTION SERVICES:	\$3,760.00
C):	FURNISHED MATERIALS:	\$57,380.00
D):	CONTRACTOR UNIT PRICE SCHEDULE:	\$461,403.40
E):	SPLICING LABOR:	\$5,640.00
F):	TOTAL:	\$593,667.25

Construction Manager: \_\_\_\_\_

Date: \_\_\_\_\_

**OUTSIDE PLANT CONSTRUCTION  
COST ESTIMATE (ACTIVE APPROVED)**

09/15/2015

Project/AFE #: R40058-001 HOUSTON TX RCUP FM 1093 WESTPARK EXTENSION

Revision: 4

**A) ENGINEERING**

INTERNAL - REF DESCRIPTION:	QTY:	U/M:	UNIT \$:	EXT. \$:
Documentation	40	hrs	94.00	\$3,760.00
OSP Engineers	96	hrs	94.00	\$9,024.00
<b>CONTRACT - REF DESCRIPTION:</b>				
Project Management (with inspection) - Metro - >500	22279	ft.	0.95	\$21,165.05
Cable Design - Metro Underground - >2,500 ft	22279	ft.	1.05	\$23,392.95
Investigations > 2500 ft	22279	ft.	0.15	\$3,341.85
Direct Cost Application Fee	1	Actual	800.00	\$800.00
COntingency	1	ea.	4000.00	\$4,000.00
<b>ENGINEERING Sub TOTAL:</b>				<b>\$65,483.85</b>

**B) INSPECTION SERVICES**

INTERNAL - REF DESCRIPTION:	QTY:	U/M:	UNIT \$:	EXT. \$:
OPS Inspection (RMOD)	40	hrs	94.00	\$3,760.00
<b>EXTERNAL - REF DESCRIPTION:</b>				
<b>INSPECTION SERVICES Sub TOTAL:</b>				<b>\$3,760.00</b>

**C) FURNISHED MATERIALS**

REF DESCRIPTION:	QTY:	U/M:	UNIT \$:	EXT. \$:
144 Fiber LT Single Mode Armored Cable	24000	ft.	0.99	\$23,760.00
24 Fiber LT MDS Armored Cable	24200	lf	0.95	\$22,990.00
Signs, post, hardware	110	ea.	50.00	\$5,500.00
Warning Tape	5	ea.	120.00	\$600.00
Handholes	1	ea.	780.00	\$780.00
Splice Materials Per Splice Location (216 or smaller)	3	ea.	850.00	\$2,550.00
Tax & Freight	1	ea.	1200.00	\$1,200.00
<b>FURNISHED MATERIALS Sub TOTAL:</b>				<b>\$57,380.00</b>

**D) CONTRACTOR UNIT PRICE SCHEDULE**

REF DESCRIPTION:	QTY:	U/M:	UNIT \$:	EXT. \$:
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**Exhibit B**

## OUTSIDE PLANT CONSTRUCTION COST ESTIMATE (ACTIVE APPROVED )

09/15/2015

Project/AFE #: R40058-001 HOUSTON TX RCUP FM 1093 WESTPARK EXTENSION

Revision: 4

Place Conduit	16289	lf	8.00	\$130,312.00
Place handhole	1	ea.	1200.00	\$1,200.00
Place Manhole	16	ea.	6500.00	\$104,000.00
Core Bore	2	in.	200.00	\$400.00
Place Cable	23818	lf	2.00	\$47,636.00
Adjust Active Cable Slack	2005	lf	1.00	\$2,005.00
Directional bore	5990	lf	15.00	\$89,850.00
Place buried cable markers & water crossing signs	105	ea.	40.00	\$4,200.00
Remove Handholes	4	ea.	950.00	\$3,800.00
Remove & Dispose of Cable	22308	lf	1.30	\$29,000.40
Miscellaneous & Contingency	1	ea.	25000.00	\$25,000.00
Remove Manhole	8	ea.	3000.00	\$24,000.00

CONTRACTOR UNIT PRICE SCHEDULE Sub TOTAL: \$461,403.40

### E) SPLICING LABOR

REF DESCRIPTION:	QTY:	U/M:	UNIT \$:	EXT. \$:
OPS Splicing Support	60	hrs	94.00	\$5,640.00
SPLICING LABOR Sub TOTAL:				\$5,640.00

# Exhibit B

# **EXHIBIT C**

**MCI Communications Services, Inc.  
MCI Project #R40058-001  
FORT BEND COUNTY, TEXAS  
U-0001**

## **SCHEDULE OF WORK AND ESTIMATED DATE OF COMPLETION**

**ESTIMATED CONSTRUCTION START DATE: October 26, 2015 or  
sooner**

**ESTIMATED COMPLETION DATE: January 29, 2016**