



AECOM  
303 E. Wacker Drive, Suite 1400  
Chicago, Illinois 60606

312-939-1000 tel  
312-939-4198 fax

May 13, 2020

Mr. Chris Hanlon  
Meade, Inc.  
625 Willowbrook Centre Parkway  
Willowbrook, IL 60527

RE: Streeterville Thorium Monitoring Results – LTS Chicago  
CDOT Permit Nos.: 1196417, 1196559, 1200393, 1201332, 1203170, 12017505 and 1224741  
Permit Address: E. Grand Ave, E. Ohio St., N. St. Clair St. and N. McClurg Ct.  
AECOM Project No. 60586768.300

Dear Mr. Hanlon:

Pursuant to conditions specified in the Right-of-Way (ROW) forms (attached) issued by the City of Chicago Department of Public Health (CDPH), radiation monitoring was required to be performed at the above permitted excavations. AECOM Technical Services, Inc. (AECOM) provided the required radiation surveillance between January 30 and May 7, 2020 for trench excavations required for the installation of conduit. The majority of the excavations consisted of shallow 3-foot wide trench excavations. Field gamma measurements of the fill were made at 18-inch vertical intervals, or less, until the final depth of excavation was reached.

The monitoring did not indicate fill soils were above the removal action level established by the U.S. Environmental Protection Agency (USEPA) for the Streeterville area of Chicago. The USEPA removal action level for Chicago's Streeterville area is 7.1 picocuries per gram (pCi/g) total radium (Ra-226 + Ra-228). Gamma radiation count measurements for the project were recorded using Ludlum Model 2221 survey meters and shielded 2 x 2-inch NaI probes (Model 44-10). For the instruments used the gamma count thresholds indicative of the 7.1 pCi/g removal action level were 6,620 (S/N: 172039) counts per minute (cpm) and 6,818 (S/N: 326720) cpm shielded. Background field instrument counts collected in the vicinity of the trench work areas ranged from 1,800 to 2,330 cpm shielded.

Trench locations have been highlighted in red on the attached drawings that were extracted from the permit packages. Sections of the trench were assigned numbers (green) on the drawing that correspond to the tabulated gamma count data, which is attached in tabulated format following the drawings. A brief summary of the results for each permit areas is presented below.

#### **CDOT#1201332 (Drawing #1991)**

The attached annotated drawing (#1991) shows the trench work area (red) completed on E. Ohio St. west of N. McClurg Ct. The annotated green numbers on the drawing correspond to the gamma count data presented in the attached table following the drawings. The gamma counts for this section of trench ranged from 1,323 cpm to a maximum of 4,863 cpm shielded. The median of the results was 2,944 cpm and the instrument threshold corresponding to the USEPA removal action level was 6,620 cpm shielded.

#### **CDOT#1196559 (Drawing #1904)**

Work was completed on E. Ohio St. east of N. McClurg Ct has shown on the two #1904 drawings. Gamma counts for the trench area ranged from 1,248 cpm to a maximum of 4,881 cpm shielded. The median of the counts was 2,475 cpm. The instrument threshold corresponding to the USEPA removal action level was 6,620 cpm shielded.

**CDOT#1200393 (Drawing #1974) - N. McClurg Ct. between E. Ohio St. and E. Grand Ave.)**

Drawing #1974 shows the trench work completed on N. McClurg Ct. between E. Ohio St. and E. Grand Ave. Gamma counts for this section of trench ranged from 1,463 cpm to a maximum of 5,124 cpm shielded. The maximum was observed an in-situ count at the southern end of the trench, closest to the southwest corner of E. Grand Ave. and N. McClurg Ct. Counts taken of the spoil in the excavator bucket after the maximum reading were lower. The median of the results was 2,944 cpm and the instrument threshold corresponding to the USEPA removal action level was 6,620 cpm shielded.

**CDOT#1203170 (Drawing #1951)**

Work completed on N. St. Clair St. south of E. Grand Ave. is shown on Drawing #1951. Gamma counts for this trench area ranged from 1,361 cpm to a maximum of 4,624 cpm shielded. The median of the counts was 3,653 cpm. The instrument threshold corresponding to the USEPA removal action level was 6,620 cpm shielded.

**CDOT#12017505 (Drawing #1754)**

Drawing #1754 shows trench work that overlaps with that of drawing #1991. One section of the work was within the intersection of E. Ohio St. and N. McClurg Ct., while the other was located west of N. McClurg Ct. on E. Ohio St. Gamma counts ranged from 2,000 cpm to a maximum of 4,100 cpm with, a median count of 2,800 cpm shielded. The instrument threshold corresponding to the USEPA removal action level was 6,818 cpm shielded.

**CDOT#1224741 (Drawing #1753)**

Drawing #1753 shows trench work that was initiated on N. Fairbanks Ct. and extended to the west on E. Ohio St. Gamma counts ranged from 1,000 cpm to a maximum of 5,000 cpm shielded. The highest counts were noted at the base of the excavated trench along E. Ohio St. None exceeded the instrument threshold and further excavation to complete the installation activities was not required. The instrument threshold corresponding to the USEPA removal action level was 6,818 cpm shielded. The median of the gamma results was 2,500 cpm.

**Conclusions**

The field gamma measurements of the fill were made at 18-inch vertical intervals, or less, until the final depth of excavation was reached. Gamma results within the trench excavations, and of the spoil, did not exceed the instrument thresholds previously stated. Based on field observations there was no indication of the presence of radiologically contaminated fill and/or an exceedance of the USEPA removal action level of 7.1 pCi/g total radium. Copies of the CDPH forms, annotated drawings and tabulated gamma results are included as attachments to this letter report. As part of the permit conditions, a PDF copy of the letter report is being forwarded to Terry Sheahan (CDPH) and Verneta Simon (USEPA) to fulfill the requirements of the CDPH.

Please contact us with any questions you have regarding this letter or the reported results.

Regards,



Jennifer Nagle  
Environmental Scientist



Steven C. Kornder, Ph.D.  
Senior Project Geochemist

Permit Nos.: 1196417, 1196559, 1200393,  
1201332, 1203170, 12017505 and 1224741  
Page 3

cc: Terry Sheahan, Chicago Department of Public Health  
Verneta Simon, USEPA

Attachments: CDPH Permit Form  
Annotated Drawing and Gamma Results

**CDPH PERMIT FORMS**



DEPARTMENT OF PUBLIC HEALTH
CITY OF CHICAGO

(STREETERVILLE Right-of-Way)

Notice is hereby given that the site you have requested a permit for is recorded with the City of Chicago Department of Public Health (CDPH) as potentially having environmental contamination on the site and adjacent right-of way.

A file containing detailed information regarding the aforementioned environmental contamination is available for review at CDPH at 333 S. State St., Room 200, Chicago, Illinois 60604 during normal business hours (8:30AM-4:30PM, Monday through Friday).

Please complete the following:

I have reviewed and understand the documents, maintained by CDPH, regarding environmental contamination of the site and adjacent right-of-way. Further, I will ensure that all work at the subject site and adjacent right-of-way, and any monitoring required including but not limited to radiation monitoring, will be performed in a manner that is protective of human health and the environment and in compliance with all applicable local, state, and federal laws, rules, and regulations, especially those pertaining to worker safety and waste management.

Applicant Name (print): Adam Martinez Signature: Adam Martinez

Site Address and Work Location (Describe exact site location and attach map): N McClurg Ct and E Grand Ave

506-601 N McClurg Ct, 401-416 E Grand Ave

Nature of Work: Installation of conduit via open cut trench.

Company Name, Address, Phone No.: MCI Metro 2400 N Glenville, Richardson TX (708) 458-6410

General / Prime Contractor Name, Address, Phone No.: Meade Electican Co 9550 W 55Th St Countryside IL (708) 588-2500
Include subcontractor information if applicable)

Safety Officer / Phone No.

Radiation Contractor / Phone No. and email address (if applicable) AECOM Steve Kornder (262) 515-7700

Check if City Department Work [ ] Department Name:

CDOT Permit No.: DOT1196417

Today's Date: 12/26/19 Expected Start Date: 1/9/19

CDPH Approval / Date [Signature] 12/27/19

Please return this completed form to the Chicago Department of Transportation, Division of Infrastructure Management, Public Way Permit Office, City Hall - Room 905, 121 N. LaSalle St., Chicago, Illinois 60602 during normal business hours (8:30 AM - 4:30 PM, Monday through Friday)

For CDPH Use Only

CITY OF CHICAGO, ILLINOIS  
COOK COUNTY

ISSUED FOR  
CONSTRUCTION



# MCI

MCImetro  
ACCESS TRANSMISSION SERVICES LLC  
PROPOSED FIBER OPTIC CONDUIT INSTALLATION  
N. MCCLURG CT. & E. GRAND AVE.  
CHICAGO, ILLINOIS

Code	Fiber Description	Unit	QTY
C-108	Construction-New UG 1-2" HDPE (Bare, Trench, Pipe)	LF	0
C-110	Construction-New UG 1-2" PVC (Open Cut/Handcawk)	LF	280
C-110.1	Asphalt Restoration	SF	1143
C-110.2	Concrete Restoration	CUFT	0
C-110.3	AGA Ramp Restoration	EA	0
C-110.4	Adder Construction-New UG 1-2" (Open Cut/Handcawk) 5' x 7" Cover	LF	10
C-110.5	Adder Construction-New UG 1-2" (Open Cut/Handcawk) 7' x 7" Cover	LF	0
M-100-B-3	Bare - Conduit Adder +1-2" HDPE	LF	0
M-100-B-4	Bare - Conduit Adder +1-4" HDPE	LF	0
M-110-F-2	Trench - Conduit Adder +1-2" PVC	LF	0
M-110-F-4	Trench - Conduit Adder +1-4" PVC	LF	0
M-162	Code Placement	LF	280

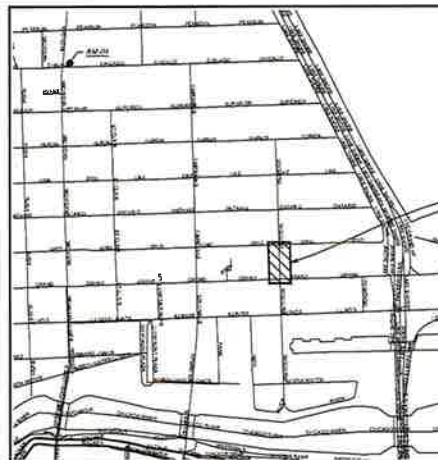
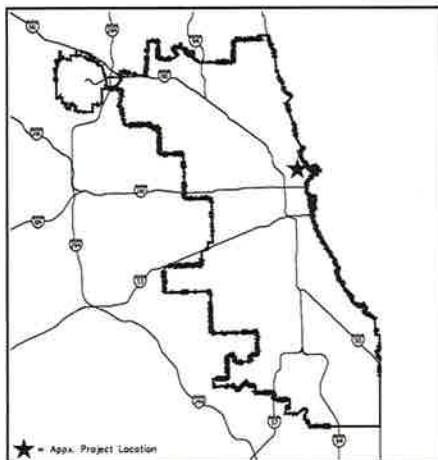
INDEX TO SHEETS

SHEET	DESCRIPTION
1	TITLE FRONT BENCHMARK
2	GENERAL NOTES
3	LEGEND
4	PROJECT PLAN VIEW
5	SECTIONAL PLAN VIEW
6	STANDARD CONSTRUCTION DETAILS
7	TRAFFIC CONTROL PLAN

ENGINEER'S ESTIMATE OF MATERIALS

QUANTITY	ITEM
280	LINEAR FEET OF 2" PVC CONDUIT

SITE LOCATION MAP



PROJECT LOCATION

★ = Appx. Project Location

PROJECT BENCHMARK

CITY OF CHICAGO BENCHMARK STD. 8 - 4' EAST OF THE EAST LINE OF NORTH MICHIGAN AVENUE TO THE WEST AND 10' SOUTH OF THE NORTH LINE OF EAST CHICAGO AVENUE. ELEV. = 1280.

NOTE:  
ONLY PRINTS WITH A SIGNED SEAL ARE TO BE USED DURING CONSTRUCTION AND CONSIDERED OFFICIAL COPIES. THESE PRINTS ARE NOT TRANSFERABLE.



PROFESSIONAL ENGINEER  
EXPIRES 11-30-2019  
*Gregory S. Severson*  
SIGNATURE  
09-15-2019  
DATE

ENGINEER:

JULIE  
MANUFACTURE  
SOLUTIONS  
**hbk**  
ENGINEERING  
511 WEST VAN BUREN, SUITE 100  
CHICAGO, IL 60607  
PHONE: (312) 432-0074 FAX: (312) 432-0071  
STATE OF ILLINOIS REG. # 09-15-2019  
REGISTRATION LICENSE NO. 184-002108

NODE ID: XXXXXX  
N. MCCLURG CT. & E. GRAND AVE  
CHICAGO, ILLINOIS  
DUC NO. 2019-07887

CLARIFICATION NO. QUANTITY

**MCI**  
MCImetro  
ACCESS TRANSMISSION SERVICES LLC  
OUTSIDE PLANT CONSTRUCTION  
TITLE: FIBER OPTIC CABLE ROUTE  
**hbk**  
ENGINEERING

DATE: 04-03-2019  
ENGINEER: GSS  
DRAWN BY: CGT

REVISIONS

DATE	DESCRIPTION	INITIAL
04-29-19	FOR DUC REVIEW	CGT
05-13-19	PER PCL	CGT
09-03-19	IFC	JNW

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

SCALE  
HORIZONTAL:  
VERTICAL:  
MP TO MP  
SHEET 1 OF 6  
FILE: 17-0480, VZ-ST-1974







DEPARTMENT OF PUBLIC HEALTH
CITY OF CHICAGO

(STREETERVILLE Right-of-Way)

Notice is hereby given that the site you have requested a permit for is recorded with the City of Chicago Department of Public Health (CDPH) as potentially having environmental contamination on the site and adjacent right-of way. This environmental contamination could present a threat to human health and safety in connection with work performed at the site, or in the adjacent right-of-way, if proper safeguards are not employed.

A file containing detailed information regarding the aforementioned environmental contamination is available for review at CDPH at 333 S. State St., Room 200, Chicago, Illinois 60604 during normal business hours (8:30 AM-4:30PM, Monday through Friday). Contact (312) 745-3152 for an appointment. This file must be reviewed and the remainder of this form completed before the permit can be issued if the ground is exposed or excavated. Please note that for some locations, additional health and safety procedures may be required by law.

Please complete the following:

I have reviewed and understand the documents, maintained by CDPH, regarding environmental contamination of the site and adjacent right-of-way. Further, I will ensure that all work at the subject site and adjacent right-of-way, and any monitoring required including but not limited to radiation monitoring, will be performed in a manner that is protective of human health and the environment and in compliance with all applicable local, state, and federal laws, rules, and regulations, especially those pertaining to worker safety and waste management. I will ensure that the results of any radiation monitoring and/or surveying conducted shall be provided to the CDPH and the United States Environmental Protection Agency within two (2) weeks of their completion. If any elevated levels of radioactive material are detected, I will immediately contact the United States Environmental Protection Agency at (800) 424-8802.

Applicant Name (print): Adam Martinez Signature: Adam Martinez

Site Address and Work Location (Describe exact site location and attach map): N McClurg Ct and E Ohio Ave
545-600 N McClurg Ct, 334-450 E Ohio St

Nature of Work: Conduit installation 1 light pole/foundation 1manhole 1 quazite box via open cut trench

Company Name, Address, Phone No.: MCI Metro 2400 North Glenville Richardson TX (708)458-6410

General / Prime Contractor Name, Address, Phone No.: Meade Electric 9550 W 55th St Countryside IL (708)588-2500
Include subcontractor information if applicable)
Safety Officer / Phone No.

Radiation Contractor / Phone No. and email address (if applicable) AECOM, Steve Kornder (262)515-7700

Check if City Department Work [ ] Department Name:

CDOT Permit No.: DOT1196559

Today's Date: 12/27/19 Expected Start Date: 1/9/20 CDPH Approval / Date: [Signature] 1/2/20

Please return this completed form to the Chicago Department of Transportation, Division of Infrastructure Management, Public Way Permit Office, City Hall - Room 905, 121 N. LaSalle St., Chicago, Illinois 60602 during normal business hours (8:30 AM - 4:30 PM, Monday through Friday)

For CDPH Use Only







DEPARTMENT OF PUBLIC HEALTH
CITY OF CHICAGO

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Applicant Name (print): Brian McDonagh Signature: Brian McDonagh Digitally signed by Brian McDonagh Date: 2019.03.05 13:30:29 -06'00'

Site Address and Work Location (Describe exact site location and attach map): N McClurg and E Grand Ave
506 - 601 N. McClurg and 401 - 416 E. Grand Ave

Nature of Work: Installation of conduit via open cut trench

Company Name, Address, Phone No.: MCI Metro, 2400 N. Glenville, Richardson, TX, 708-458-6410

General / Prime Contractor Name, Address, Phone No.: Meade Electric Co., 9550 w. 55th St., Countryside, IL, 708-588-2500

Safety Officer / Phone No.:

Radiation Contractor / Phone No. and email address (if applicable): AECOM / Steve Kornder (262) 515-7700

Check if City Department Work [ ] Department Name:

CDOT Permit No.: DOT1200393

Today's Date: 1/9/20 Expected Start Date: ASAP CDPH Approval / Date: [Signature] 1-9-20

Please return this completed form to the Chicago Department of Transportation, Division of Infrastructure Management, Public Way Permit Office, City Hall - Room 905, 121 N. LaSalle St., Chicago, Illinois 60602 during normal business hours (8:30 AM - 4:30 PM, Monday through Friday)

For CDPH Use Only

CITY OF CHICAGO, ILLINOIS  
COOK COUNTY

ISSUED FOR  
CONSTRUCTION



# MCI

MCImetro  
ACCESS TRANSMISSION SERVICES LLC

## PROPOSED FIBER OPTIC CONDUIT INSTALLATION N. MCCLURG CT. & E. GRAND AVE. CHICAGO, ILLINOIS

Item	Quantity	Unit	QTY
C-106	Construction-New UG 1-2" HDPE (Bank, Trench, Flow)	LF	0
C-110	Construction-New UG 1-2" PVC (Open Cut/Handicap)	LF	280
C-112.1	Asphalt Restoration	SF	1143
C-112.2	Concrete Restoration	CUFT	0
C-110.3	ADA Ramp Restoration	EA	0
C-110.4	Asphalt Construction-New UG 1-2" (Open Cut/Handicap) 7" Cover	LF	10
C-110.5	Asphalt Construction-New UG 1-2" (Open Cut/Handicap) 7" Cover	LF	0
M-100-B-2	Bank + Conduit Adder +1-2" HDPE	LF	0
M-100-B-4	Bank + Conduit Adder +1-4" HDPE	LF	0
M-110-T-2	Trench + Conduit Adder +1-2" PVC	LF	0
M-110-T-4	Trench + Conduit Adder +1-4" PVC	LF	0
M-100	Cable Placement	LF	280

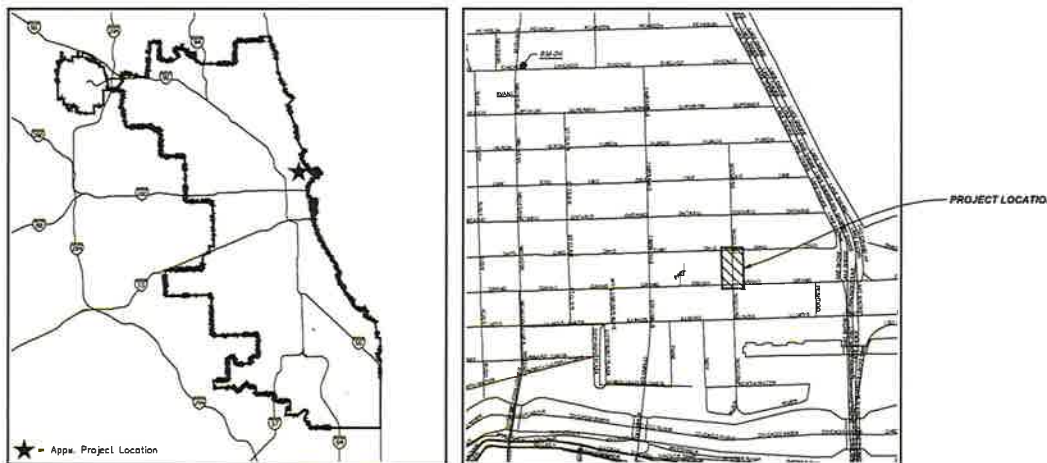
INDEX TO SHEETS

SHEETS	DESCRIPTION
1	TITLE SHEET/BENCHMARK
2	GENERAL NOTES
3	LEGEND
4	PROJECT PLAN VIEW
5	EXTERIOR PLAN VIEW
6	STANDARD CONSTRUCTION DETAILS
TOT. Pgs	TRAFFIC CONTROL PLAN

ENGINEER'S ESTIMATE OF MATERIALS

QUANTITY	ITEM
280	LINEAR FEET OF 2" PVC CONDUIT

SITE LOCATION MAP



★ = Appx. Project Location

PROJECT BENCHMARK

CITY OF CHICAGO BENCHMARK STD. 4 (EAST OF THE EAST  
LINE OF NORTH WICKHAM AVENUE TO THE WEST AND 1/4  
MILE OF THE NORTH LINE OF EAST CHERRY AVENUE,  
DIV. 4 (1300)

NOTE:  
ONLY PRINTS WITH A SIGNED SEAL ARE TO BE USED DURING  
CONSTRUCTION AND CONSIDERED OFFICIAL COPIES. THESE PLANS  
ARE NOT TRANSFERABLE.



PROFESSIONAL ENGINEER  
EXPIRES 11-30-2019  
*Gregory S. Seynow*  
SIGNATURE  
09-03-2019  
DATE

ENGINEER:

UTILITY  
INFRASTRUCTURE  
SOLUTIONS



911 WEST VAN HORN, SUITE 100  
CHICAGO, IL 60607  
PHONE: (312) 432-8894 FAX: (312) 432-8331  
STATE OF ILLINOIS, DEPARTMENT OF PROFESSIONAL  
REGULATION, LICENSE NO. 164-002308

NODE ID: XXXXXX  
N. MCCLURG CT. & E. GRAND AVE  
CHICAGO, ILLINOIS  
QUC NO: 2019-87887

CLARIFICATION NO. QUANTITY

MCI  
MCImetro  
ACCESS TRANSMISSION SERVICES LLC  
OUTSIDE PLANT CONSTRUCTION  
TITLE: FIBER OPTIC CABLE ROUTE

hbK  
ENGINEERING, LLC  
1110 W. WASHINGTON ST. SUITE 100  
CHICAGO, IL 60607  
PH: (312) 432-8894 FAX: (312) 432-8331  
WWW.HBKENGINEERING.COM

DATE: 04-03-2019  
ENGINEER: GSS  
DRAWN BY: CGT

REVISIONS

DATE	DESCRIPTION	INITIAL
04-29-19	FOR QUC REVIEW	CGT
05-13-19	PER PCL	CGT
09-03-19	IFC	JNW

OBJECTS AS MAY BE DIMENSIONS PROVIDED BY  
CONTRACTOR. THESE DIMENSIONS AND SPECIFICATIONS  
SHALL BE THE PROPERTY OF MCI. NO REUSE OR  
REPRODUCTION OF THESE DIMENSIONS OR SPECIFICATIONS  
IS PERMITTED WITHOUT SPECIFIC WRITTEN PERMISSION.

SCALE

HORIZONTAL:  
VERTICAL:  
MP TO MP  
SHEET 1 OF 6

FILE: 17-0480, VZ-ST-1974

"Before you Dig in Chicago" Call





DEPARTMENT OF PUBLIC HEALTH  
CITY OF CHICAGO

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Applicant Name (print): Adam Martinez Signature: Adam Martinez

Site Address and Work Location (Describe exact site location and attach map): E Ohio St and N McClurg CT

305-400 E Ohio St , 542-609 N McClurg CT

Nature of Work: Installation of conduit, one (1) Manhole Via open cut trench.

Company Name, Address, Phone No.: MCI Metro 2400 Glenville, Richardson TX (708)458-6410

General / Prime Contractor Name, Address, Phone No.: Meade Electric Co. Chris Hanlon (708)588-2500

*Include subcontractor information if applicable)*

Safety Officer / Phone No. \_\_\_\_\_

Radiation Contractor / Phone No. and email address (if applicable) Steve Kornder (262)515-7700

Check if City Department Work  Department Name: \_\_\_\_\_

CDOT Permit No.: DOT1201332

Today's Date: 1/12/20

Expected Start Date: 1/15/20

CDPH Approval / Date

Sheehan 1-15-20

Please return this completed form to the Chicago Department of Transportation, Division of Infrastructure Management, Public Way Permit Office, City Hall - Room 905, 121 N. LaSalle St., Chicago, Illinois 60602 during normal business hours (8:30 AM - 4:30 PM, Monday through Friday)

**For CDPH Use Only**





DEPARTMENT OF PUBLIC HEALTH  
CITY OF CHICAGO

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Applicant Name (print): Adam Martinez Signature: Adam Martinez

Site Address and Work Location (Describe exact site location and attach map): N St Clair St and E Grand Ave

505-534 N St. Clair St and 200-211 E Grand Ave

Nature of Work: Installation of conduit, 1 light pole/foundation 1 quazite box via directional bore and open cut trench.

Company Name, Address, Phone No.: MCI Metro 2400 Glenville, Richardson TX (708)458-6410

General / Prime Contractor Name, Address, Phone No.: Meade Electric Co. Chris Hanlon (708)588-2500

*Include subcontractor information if applicable)*

Safety Officer / Phone No. \_\_\_\_\_

Radiation Contractor / Phone No. and email address (if applicable) Steve Kornder (262)515-7700

Check if City Department Work  Department Name: \_\_\_\_\_

CDOT Permit No.: DOT1203170

Today's Date: 1/17/20 Expected Start Date: 1/31/20 CDPH Approval / Date J Sheahan 1-17-20

Please return this completed form to the Chicago Department of Transportation, Division of Infrastructure Management, Public Way Permit Office, City Hall – Room 905, 121 N. LaSalle St., Chicago, Illinois 60602 during normal business hours (8:30 AM - 4:30 PM, Monday through Friday)

For CDPH Use Only





METHODS OF CONSTRUCTION	
QUANTITY	ITEM
157	LINEAR FEET OF OPEN CUT TRENCH

**MCI**  
MCI metro  
ACCESS TRANSMISSION SERVICES LLC  
OUTSIDE PLANT CONSTRUCTION  
TITLE: FIBER OPTIC CABLE ROUTE

ENGINEER: **hbk**  
HBK ENGINEERING, LLC  
741 WEST VAN BUREN, SUITE 100  
CHICAGO, IL 60607

OWNER: \_\_\_\_\_  
DATE: 12-31-2019  
ENGINEER: GSS  
DRAWN BY: KMM, EAF

REVISIONS		
DATE	DESCRIPTION	
7-15-19	FOR OUC REVIEW	
12-31-19	IFC	

**CHMARK**  
HMARK STD 1467,  
OF MICHIGAN AVE.  
ILLINOIS ST.  
MICHIGAN AVE.

ARE TO BE USED DURING  
OFFICIAL COPIES. THESE PLANS



PROFESSIONAL ENGINEER  
EXPIRES 11-30-2019  
*Gregory S. Seymour*  
SIGNATURE  
12-31-2019  
DATE

ENGINEER: **UTILITY INFRASTRUCTURE SOLUTIONS** **hbk ENGINEERING**  
921 WEST VAN BUREN, SUITE 100  
CHICAGO, IL 60607  
PHONE: (312) 432-0076 FAX: (312) 432-0231  
STATE OF ILLINOIS, DEPARTMENT OF PROFESSIONAL REGULATION, LICENSE NO. 184-002308

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

SCALE  
HORIZONTAL: \_\_\_\_\_  
VERTICAL: \_\_\_\_\_  
MP \_\_\_\_\_ TO MP \_\_\_\_\_  
SHEET 1 OF \_\_\_\_\_  
FILE: 18-0864, VZ-ST-



DEPARTMENT OF PUBLIC HEALTH
CITY OF CHICAGO

(STREETERVILLE Right-of-Way)

Notice is hereby given that the site you have requested a permit for is recorded with the City of Chicago Department of Public Health (CDPH) as potentially having environmental contamination on the site and adjacent right-of way.

A file containing detailed information regarding the aforementioned environmental contamination is available for review at CDPH at 333 S. State St., Room 200, Chicago, Illinois 60604 during normal business hours (8:30AM-4:30PM, Monday through Friday).

Please complete the following:

I have reviewed and understand the documents, maintained by CDPH, regarding environmental contamination of the site and adjacent right-of-way. Further, I will ensure that all work at the subject site and adjacent right-of-way, and any monitoring required including but not limited to radiation monitoring, will be performed in a manner that is protective of human health and the environment and in compliance with all applicable local, state, and federal laws, rules, and regulations, especially those pertaining to worker safety and waste management.

Applicant Name (print): Adam Martinez Signature: Adam Martinez

Site Address and Work Location (Describe exact site location and attach map): E Ohio St and N McClurg Ave
352-401 E Ohio St, and 545-600 N McClurg Ct

Nature of Work: Installation of conduit, 1 light pole/foundation, 1 quazite box via open cut trench.

Company Name, Address, Phone No.: MCI Metro 2400 N Glenville, Richardson Tx (708)458-6410

General / Prime Contractor Name, Address, Phone No.: Meade Electric CO. Chis Hanlon (773)447-6627

Include subcontractor information if applicable)

Safety Officer / Phone No.

Radiation Contractor / Phone No. and email address (if applicable) AECOM, Steve Kornder (262)515-7700

Check if City Department Work [ ] Department Name:

CDOT Permit No.: DOT1217505

Today's Date: 3/3/2020 Expected Start Date: 3/9/2020 CDPH Approval / Date [Signature] 3/3/20

Please return this completed form to the Chicago Department of Transportation, Division of Infrastructure Management, Public Way Permit Office, City Hall - Room 905, 121 N. LaSalle St., Chicago, Illinois 60602 during normal business hours (8:30 AM - 4:30 PM, Monday through Friday)

For CDPH Use Only



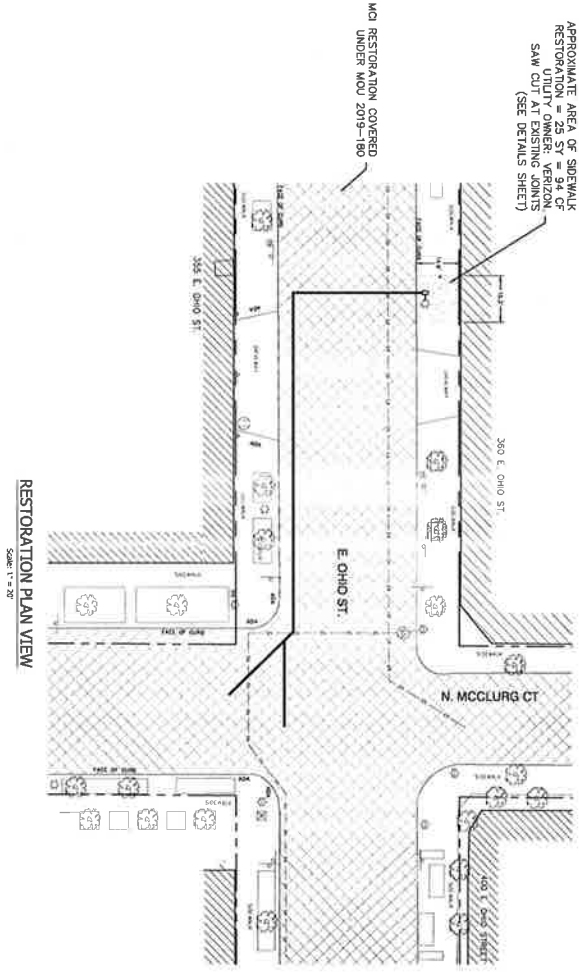
CITY OF CHICAGO, ILLINOIS  
COOK COUNTY

ISSUED FOR  
CONSTRUCTION



**Verizon**business  
501481  
360 E. OHIO ST  
CHICAGO, ILLINOIS  
GRP-10093

CLASSIFICATION NO.	QUANTITY



RESTORATION PLAN VIEW  
SCALE: 1" = 20'

NOTE:  
CONTRACTOR IS TO RESTORE SIDEWALK CURB AS PER THE LATEST EDITION OF CHICAGO DEPARTMENT OF TRANSPORTATION RULES AND REGULATIONS FOR CONSTRUCTION IN THE PUBLIC WAY.

TOTAL AREA OF CONCRETE RESTORATION = 25 SY  
TOTAL VOLUME OF CONCRETE RESTORATION = 94 CF



DATE:	10-02-2019	
ENGINEER:	JPK	
DRAWN BY:	JMW	
REVISIONS		
DATE	DESCRIPTION	INITIALS
10-12-19	FOR OAC REVIEW	JMW
11-28-19	IPC	JMW

**MCI**  
McMetro  
ACCESS TRANSMISSION SERVICES LLC  
OUTSIDE PLANT CONSTRUCTION  
TITLE: FIBER OPTIC CABLE ROUTE

**hbK ENGINEERING**  
180 WEST MADISON STREET, SUITE 100  
CHICAGO, ILLINOIS 60601  
PHONE: (773) 462-4600 FAX: (773) 462-4600  
STATE OF ILLINOIS DEPARTMENT OF PROFESSIONAL REGULATION & BOARDING REGISTRATION NUMBER: 061-0000000

FILE: 18-0864\_VZ-ST-1754



DEPARTMENT OF PUBLIC HEALTH
CITY OF CHICAGO

(STREETERVILLE Right-of-Way)

Notice is hereby given that the site you have requested a permit for is recorded with the City of Chicago Department of Public Health (CDPH) as potentially having environmental contamination on the site and adjacent right-of way. This environmental contamination could present a threat to human health and safety in connection with work performed at the site, or in the adjacent right-of-way, if proper safeguards are not employed.

A file containing detailed information regarding the aforementioned environmental contamination is available for review at CDPH at 333 S. State St., Room 200, Chicago, Illinois 60604 during normal business hours (8:30AM-4:30PM, Monday through Friday). Contact (312) 745-3152 for an appointment. This file must be reviewed and the remainder of this form completed before the permit can be issued if the ground is exposed or excavated. Please note that for some locations, additional health and safety procedures may be required by law.

Please complete the following:

I have reviewed and understand the documents, maintained by CDPH, regarding environmental contamination of the site and adjacent right-of-way. Further, I will ensure that all work at the subject site and adjacent right-of-way, and any monitoring required including but not limited to radiation monitoring, will be performed in a manner that is protective of human health and the environment and in compliance with all applicable local, state, and federal laws, rules, and regulations, especially those pertaining to worker safety and waste management. I will ensure that the results of any radiation monitoring and/or surveying conducted shall be provided to the CDPH and the United States Environmental Protection Agency within two (2) weeks of their completion. If any elevated levels of radioactive material are detected, I will immediately contact the United States Environmental Protection Agency at (800) 424-8802.

Applicant Name (print): Adam Martinez Signature: Adam Martinez

Site Address and Work Location (Describe exact site location and attach map): 548-621 N Fairbanks Ct and 208-259 E Ohio St

Nature of Work: Conduit installation via open cut trench.

Company Name, Address, Phone No.:

General / Prime Contractor Name, Address, Phone No.: Meade Electric CO. 9550 W 55th St Ste A, Countryside IL, 60525-3641

Include subcontractor information if applicable (708) 588-2500

Safety Officer / Phone No. Chris Hanlon (773)447-6627

Radiation Contractor / Phone No. and email address (if applicable) Steve Kornder (262)515-7700 steve.kornder@aecom.com

Check if City Department Work [ ] Department Name:

CDOT Permit No.: DOT1224741

Today's Date: 3/24/20 Expected Start Date: 3/25/20 CDPH Approval / Date: [Signature] 3/26/20

Please return this completed form to the Chicago Department of Transportation, Division of Infrastructure Management, Public Way Permit Office, City Hall - Room 905, 121 N. LaSalle St., Chicago, Illinois 60602 during normal business hours (8:30 AM - 4:30 PM, Monday through Friday)

For CDPH Use Only



OHIO & FAIRBANKS SC  
 DASC W0# 11717052  
 298 E. OHIO ST.

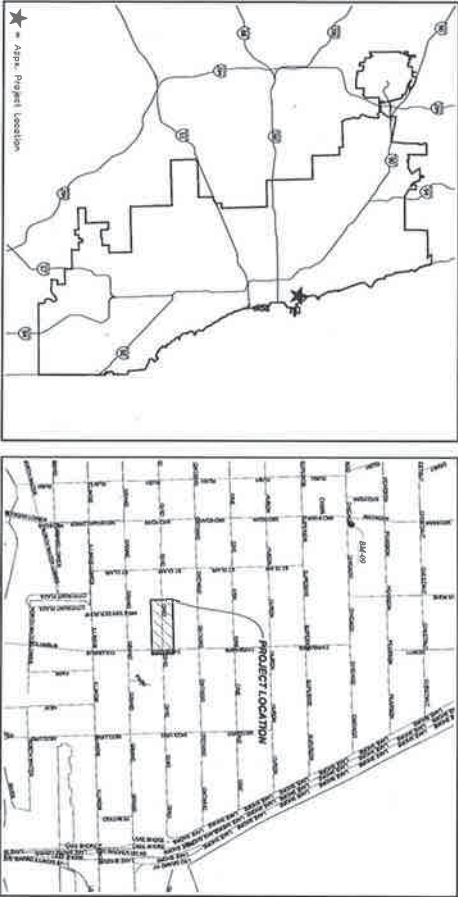
CITY OF CHICAGO, ILLINOIS  
 COOK COUNTY



McImetro  
 ACCESS TRANSMISSION SERVICES LLC

**PROPOSED FIBER OPTIC CONDUIT INSTALLATION**  
 E. OHIO ST. AND N. FAIRBANKS CT.  
 LATITUDE: 41.89266 LONGITUDE: -87.620451

SITE LOCATION MAP



ISSUED FOR  
 CONSTRUCTION



verizonbusiness

NODE ID: 501480  
 298 E. OHIO ST.  
 CHICAGO, ILLINOIS  
 EFP-10045

INDEX TO SHEETS

SHEET	DESCRIPTION
1	TITLE SHEET/BENCHMARK
2	GENERAL NOTES
3	CONDUIT
4	CONDUIT LAYOUT
5	INSTALLATION PLAN VIEW
6	ELEVATIONAL DISTRIBUTION SHEET
7	INSTALLATION
8	MARKING CONDUIT PLAN

ENGINEER'S ESTIMATE OF MATERIALS

QUANTITY	ITEM
1250	LINEMAN FEET OF 2" PVC CONDUIT
4	LINEMAN FEET OF 1.5" PVC CONDUIT
1	DEEP LIGHT POLE BASE
1	DEEP LIGHT POLE FOUNDATION #816
1	12" X 24" CONDUIT BOX

METHODS OF CONSTRUCTION

QUANTITY	ITEM
426	LINEMAN FEET OF OPEN CUT TRENCH

NOTE:  
 ONLY PRINTS WITH A SIGNED SEAL ARE TO BE USED DURING  
 CONSTRUCTION AND COMPILED OFFICIAL COPIES. THESE PLANS  
 ARE NOT TRANSFERABLE.

PROJECT BENCHMARK  
 CITY OF CHICAGO RECORDING IS & 4' GRID 2' N.E. LOT  
 200' W. OF THE NORTH LINE OF THE NORTH MARK  
 LOT 4 - 020



PROFESSIONAL ENGINEER  
 JOSEPH B. KOZOL  
 ENGINEER  
 STATE OF ILLINOIS  
 NO. 021-0501  
 151 WEST VAN BUREN, SUITE 100  
 CHICAGO, IL 60606  
 ENGINEER: hbk  
 INNOVATIVE  
 UTILITY  
 SOLUTIONS  
 ENGINEERING

DATE: 11-12-2019  
 ENGINEER: JPK  
 DRAWN BY: ANW

DATE	DESCRIPTION	INITIALS
11-12-19	FOR QDC REVIEW	ANW
11-10-19	FOR QDC COMMENTS	ANW
11-09-19	FOR CIR COMMENTS	ANW
09-26-19	FOR QDC COMMENTS	ANW
07-27-19	IPC	ANW

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

SHEET 1 OF 9  
 FILE: 18-0864\_WZ-ST-1753

**MCI**  
 McImetro  
 ACCESS TRANSMISSION SERVICES LLC  
 OUTSIDE PLANT CONSTRUCTION  
 TITLE: FIBER OPTIC CABLE ROUTE

ENGINEER: **hbk** ENGINEERING, LLC  
 111 WEST VAN BUREN, SUITE 100  
 CHICAGO, IL 60606  
 PHONE: (312) 467-1000 FAX: (312) 467-1001  
 STATE OF ILLINOIS, DEPARTMENT OF PROFESSIONAL REGULATION LICENSE NO. 18-0864



## ANNOTATED DRAWINGS AND GAMMA RESULTS















CITY OF CHICAGO, ILLINOIS  
COOK COUNTY

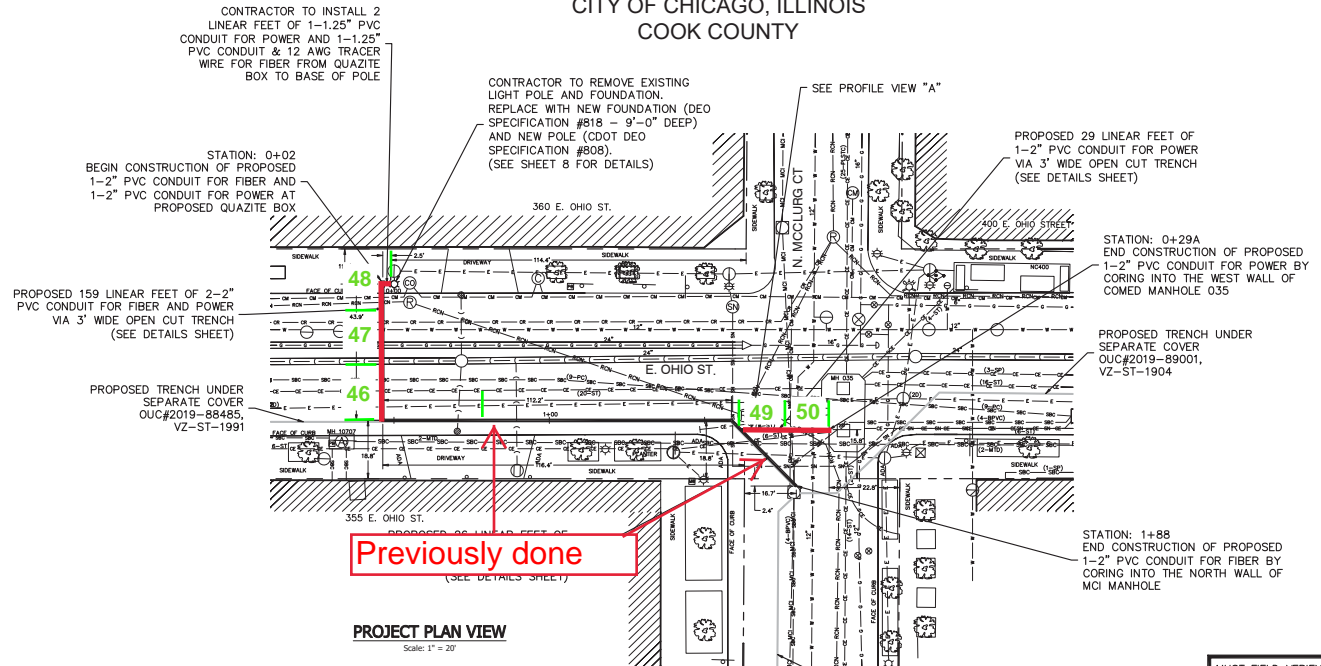
ISSUED FOR  
CONSTRUCTION



NOTE ID: 501481  
356 E. OHIO ST.  
CHICAGO, ILLINOIS  
EPP-100199

CLARIFICATION NO. QUANTITY

CLARIFICATION NO.	QUANTITY



PRIOR TO INSTALLATION OF NEW POLE, CONTRACTOR TO CONFIRM THAT FOUNDATION WILL NOT INTERFERE WITH EXISTING UTILITIES.

NOTE: USE EXTREME CAUTION WHEN DIGGING NEAR EXISTING UTILITIES.

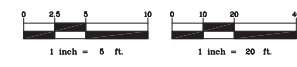
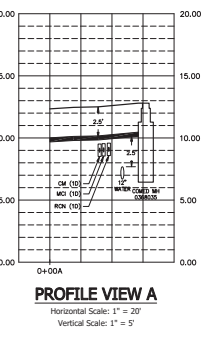
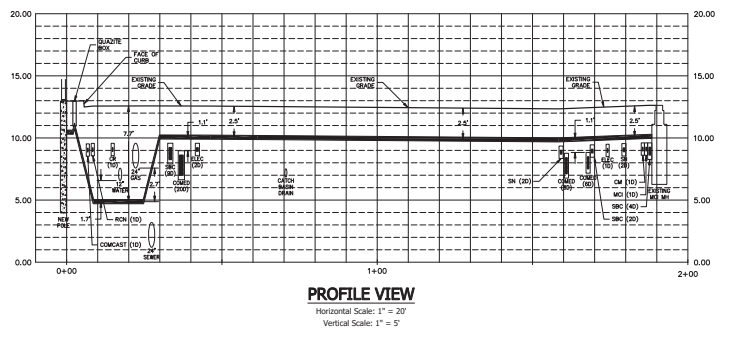
CONTRACTOR TO COORDINATE WITH CDOT-DEO PRIOR TO CONSTRUCTION, REGARDING THE PROPOSED REPLACEMENT OF EXISTING LIGHT POLE AND FOUNDATION.

HAND DIG IS REQUIRED WHEN CROSSING COMED UNDERGROUND CABLES/ CONDUITS. MAINTAIN 12 INCHES VERTICAL CLEARANCE (18 INCHES IF POSSIBLE) FROM ANY COMED FACILITIES. WHEN FIELD CONDITIONS REQUIRE COMED ASSISTANCE (SUCH AS MANHOLE FRAME & COVER ADJUSTMENTS), PLEASE CONTACT COMED, PROJECT ENGINEER, CAITLIN BALL, 773-836-2305, 6-WEEKS PRIOR TO START OF WORK FOR AREAS SOUTH OF CERMAK AVE. AND FOR AREAS NORTH OF CERMAK AVE, CONTACT COMED PROJECT ENGINEER, MICHELLE HO, 773-509-3284.

UPON PROJECT COMPLETION, RESIDENT ENGINEERS MUST CONTACT THE DWM SEWER EVALUATION SECTION AT 312-747-4680 TO SCHEDULE A FIELD MEETING FOR PROJECT ACCEPTANCE. DWM REQUIRES A MINIMUM HORIZONTAL CLEARANCE OF ID (INNER DIAMETER OF THE SEWER) + 4 FEET CENTER-TO-CENTER OR 4 FEET EDGE-TO-EDGE, WHICHEVER IS LARGER, AND A MINIMUM VERTICAL CLEARANCE OF 18 INCHES EDGE-TO-EDGE. SEE EXISTING FACILITIES PROTECTION IN THE CURRENT EDITION OF THE CITY OF CHICAGO-DWM REGULATIONS FOR SEWER CONSTRUCTION & STORM WATER MANAGEMENT. IF EITHER OF THESE CONDITIONS ARE NOT MET, THE SEWER MUST BE REHABILITATED WITH AN APPROPRIATE LINER OR REPLACED WITH DIP UNLESS PRIOR APPROVAL TO EVALUATE THE SEWER UPON TELEVISION IS ALLOWED BY THE DWM.

USE EXTREME CAUTION NEAR ALL GAS FACILITIES DURING CONSTRUCTION AND RELATED EXCAVATION ACTIVITIES. HAND DIG OR NON-INVASIVE EXCAVATION IS REQUIRED TO FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF GAS FACILITIES PRIOR TO CROSSING AND WORKING WITHIN 3 FEET OF ALL GAS FACILITIES. A MINIMUM OF 3' HORIZONTAL EDGE TO EDGE CLEARANCE IS REQUIRED FOR GAS FACILITIES WITH DIAMETERS OF 18" OR SMALLER, AND 5FT EDGE TO EDGE CLEARANCE FOR GAS FACILITIES WITH DIAMETERS 18" AND LARGER. MAINTAIN A MINIMUM OF 18" EDGE TO EDGE VERTICAL CLEARANCE WHEN CROSSING GAS FACILITIES 16" OR LESS IN DIAMETER, AND 24" EDGE TO EDGE VERTICAL CLEARANCE WHEN CROSSING 18" AND LARGER DIAMETER FACILITIES. CONTACT 811 CHICAGO/DIGGER 312-744-7000 FOR LOCATES 48 HOURS PRIOR TO START OF CONSTRUCTION AND SPECIFY EXCAVATION TYPE.

THE USE OF CONCRETE, FLOW FILL, OR THE LIKE IS PROHIBITED WITHIN 24 INCHES OF ALL GAS FACILITIES, NOR SHALL IT ENCASE ANY GAS FACILITY. A BUFFER OF 24" SAND IS TO BE USED BETWEEN FLOW FILL AND ALL GAS FACILITIES. A MINIMUM OF 6" FA-02 OR FM-02 SAND SHALL BE USED WHEN BACKFILLING OTHER MATERIALS AROUND ANY EXPOSED GAS FACILITY. CONTRACTOR EXPOSING GAS FACILITY IS RESPONSIBLE FOR PROVIDING THE SAND. ANY DAMAGES TO PEOPLES GAS FACILITIES SHALL BE THE RESPONSIBILITY OF THE INSTALLING UTILITY AND THEIR CONTRACTOR(S). CALL 866-656-6002 IMMEDIATELY FOR ANY DAMAGES TO THE GAS FACILITIES. ALL GAS FACILITIES ARE TO BE MAINTAINED.



MCI  
MCI  
ACCESS TRANSMISSION SERVICES, LLC  
OUTSIDE PLANT CONSTRUCTION  
TITLE: FIBER OPTIC CABLE ROUTE

hbk ENGINEERING  
MICHIGAN STATE UNIVERSITY  
1610 UNIVERSITY AVENUE  
LANSING, MI 48206-1327

DATE: 10-02-2019  
ENGINEER: JPK  
DRAWN BY: JNW

REVISIONS

DATE	DESCRIPTION	INITIAL
10-02-19	FOR OUC REVIEW	JNW
12-17-19	PER RCN COMMENTS	JNW
12-17-19	PER CROWN CASTLE	JNW
01-29-20	PER CROWN CASTLE	JNW
02-26-20	IFC	JNW

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SCALE

HORIZONTAL: 1"=20'  
VERTICAL: 1"=5'

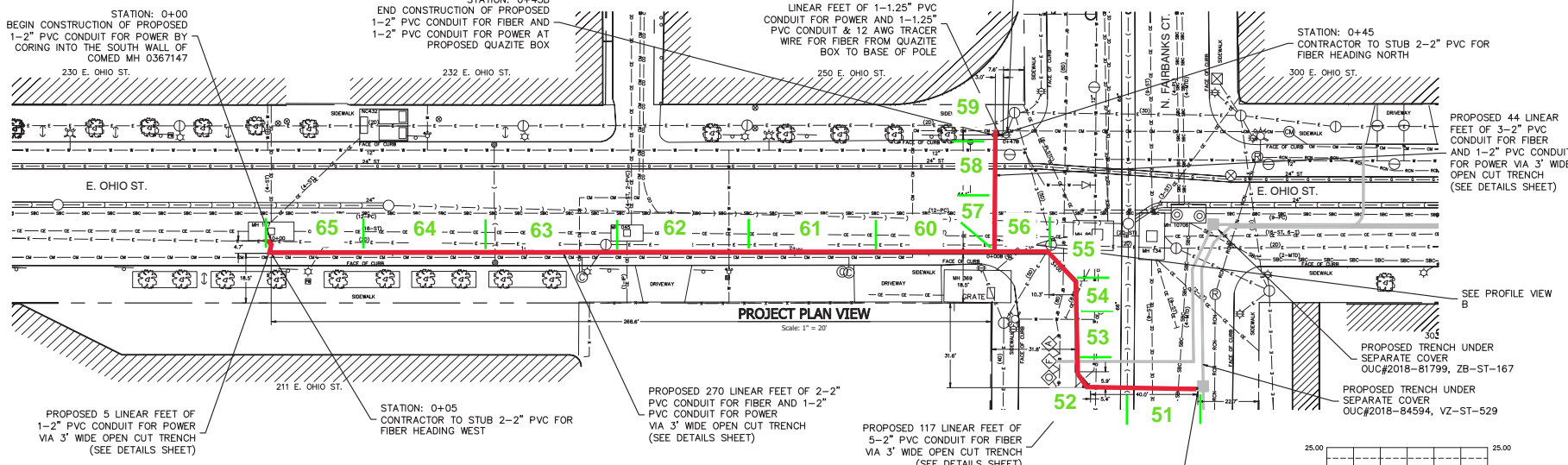
MP TO MP

SHEET 4 OF 9

FILE: 18-0864, VZ-ST-1754

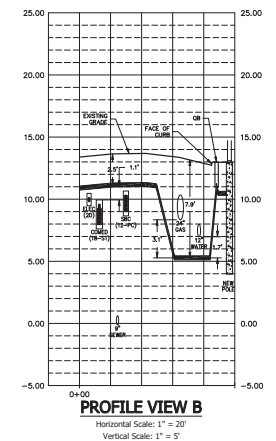
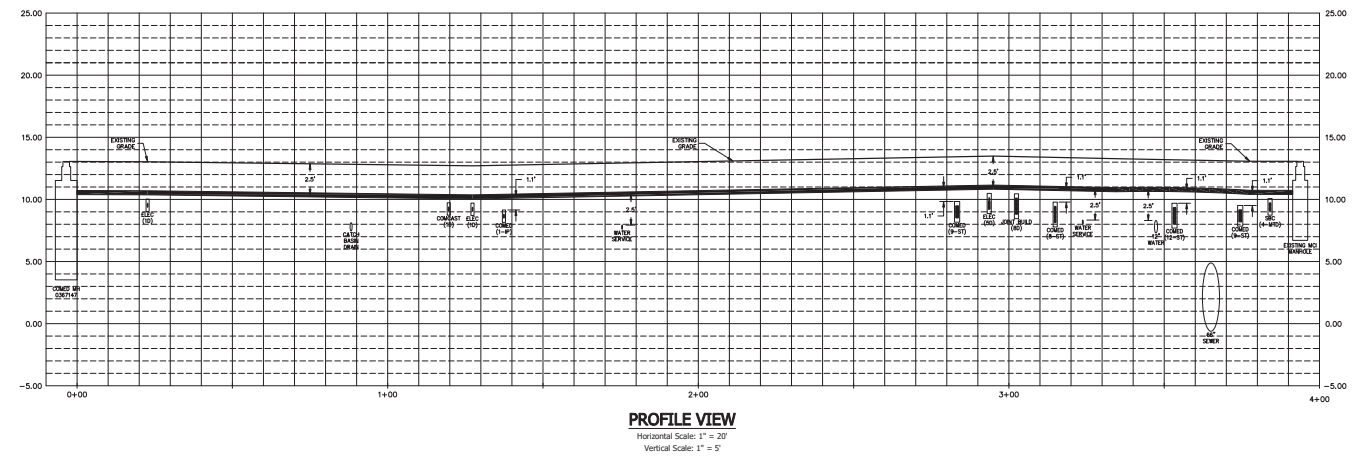
# CITY OF CHICAGO, ILLINOIS COOK COUNTY

**NODE ID:** 501480  
298 E. OHIO ST.  
CHICAGO, ILLINOIS  
EPP-100445



UPON PROJECT COMPLETION, RESIDENT ENGINEERS MUST CONTACT THE DWM SEWER EVALUATION SECTION AT 312-747-4680 TO SCHEDULE A FIELD MEETING FOR PROJECT ACCEPTANCE. DWM REQUIRES A MINIMUM HORIZONTAL CLEARANCE OF ID (INNER DIAMETER OF THE SEWER) + 4 FEET CENTER-TO-CENTER OR 4 FEET EDGE-TO-EDGE, WHICHEVER IS LARGER, AND A MINIMUM VERTICAL CLEARANCE OF 18 INCHES EDGE-TO-EDGE. SEE EXISTING FACILITIES PROTECTION IN THE CURRENT EDITION OF THE CITY OF CHICAGO-DWM REGULATIONS FOR SEWER CONSTRUCTION & STORM WATER MANAGEMENT. IF EITHER OF THESE CONDITIONS ARE NOT MET, THE SEWER MUST BE REHABILITATED WITH AN APPROPRIATE LINER OR REPLACED WITH DIP UNLESS PRIOR APPROVAL TO EVALUATE THE SEWER UPON TELEVISION IS ALLOWED BY THE DWM.

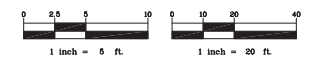
HAND DIG IS REQUIRED WHEN CROSSING COMED UNDERGROUND CABLES/ CONDUITS. MAINTAIN 12 INCHES VERTICAL CLEARANCE (18 INCHES IF POSSIBLE) FROM ANY COMED FACILITIES. WHEN FIELD CONDITIONS REQUIRE COMED ASSISTANCE (SUCH AS MANHOLE FRAME & COVER ADJUSTMENTS), PLEASE CONTACT COMED, PROJECT ENGINEER, CAITLIN BALL, 773-838-2905, 6-WEEKS PRIOR TO START OF WORK FOR AREAS SOUTH OF CERMAK AVE, AND FOR AREAS NORTH OF CERMAK AVE, CONTACT COMED PROJECT ENGINEER, MICHELLE HO, 773-509-3284.



**ISSUED FOR  
CONSTRUCTION**

**NOTE: USE EXTREME CAUTION WHEN DIGGING NEAR EXISTING UTILITIES.**  
**PRIOR TO INSTALLATION OF NEW POLE, CONTRACTOR TO CONFIRM THAT FOUNDATION WILL NOT INTERFERE WITH EXISTING UTILITIES.**

**CONTRACTOR TO COORDINATE WITH CDOT-DEO PRIOR TO CONSTRUCTION, REGARDING THE PROPOSED REPLACEMENT OF EXISTING LIGHT POLE AND FOUNDATION.**



CLARIFICATION NO.	QUANTITY

**MCI**  
MCI TRANSCOM  
ACCESS TRANSMISSION SERVICES, LLC  
OUTSIDE PLANT CONSTRUCTION  
TITLE: FIBER OPTIC CABLE ROUTE

**hbk**  
ENGINEERING

DATE: 11-12-2019  
ENGINEER: JPK  
DRAWN BY: JNW

DATE	DESCRIPTION	INITIAL
11-12-19	FOR OUC REVIEW	JNW
11-20-19	PER COMCAST COMMENTS	JNW
12-09-19	PER CTR COMMENTS	JNW
01-27-20	IFC	JNW

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**SCALE**

HORIZONTAL: 1"=20'  
VERTICAL: 1"=5'

MP \_\_\_\_\_ TO MP \_\_\_\_\_  
SHEET **4** OF **9**

FILE: 18-0864, VZ-ST-1753



## Meade - Gamma Survey Results

### Survey Equipment

Location:	Ohio & McClurg
CDOT#s	1196417, 1196559, 1200393, 1201332, 1203170, 12017505 and 1224741
Ludlum 221 S/N:	172039 & 326720
Shielded Cutoff:	6,620 and 6,818 cpm
Shielded Background:	1,800 to 2,330 cpm
Personell:	J. Nagle & E. Sulita
Date of Screening:	1/30/2020 - 5/7/2020

Location	Depth (inches)	Readings (cpm)	Drawing #	Date Surveyed
1	0-18	Concrete	Drw# 1991 (E Ohio St west of N McClurg Ct)	1/30/2020
	18-36	2,281		
	36	2,010		
2	0-18	Concrete		
	18-36	2,373		
	36	1,644		
3	0-18	Concrete		
	18-36	2,373		
	36	2,210		
4	0-18	Concrete		
	18-36	4,050		
	36	3,891		
5	0-18	Concrete		
	18-36	1,724		
	36	3,320		
6	0-18	Concrete		
	18-36	4,833		
	36	2,006		
7	0-18	Concrete		
	18-36	3,097		
	36	3,614		
8	0-18	Concrete		
	18-36	2,442		
	36	3,052		
10	0-18	Concrete	1/31/2020	
	18-36	3,110		
	36	3,212		
11	0-18	Concrete		
	18-36	2,899		
	36	4,863		
12	0-18	Concrete		
	18-36	2,989		
	36	2,771		

Location	Depth (inches)	Readings (cpm)	Drawing #	Date Surveyed
13	0-18	Concrete	Drw# 1991 (E Ohio St west of N McClurg Ct)	2/3/2020
	18-36	2,842		
	36	3,141		
14	0-18	Concrete		
	18-36	3,992		
	36	3,007		
15	0-18	Concrete		
	18-36	1,838		
	36	3,186		
16	0-18	Concrete		
	18-36	1,323		
	36	1,619		
17	0-18	Concrete	2/4/2020	
	18-36	2,771		
	36	2,439		
18	0-18	Concrete		
	18-36	3,015		
	36	3,948		
19	0-18	Concrete	Drw #1904 (E Ohio St East of N McClurg Ct)	2/4/2020
	18-36	3,662		
	36-54	4,214		
	54	4,881		
20	0-18	Concrete		
	18-36	1,992		
	36-54	2,166		
	54	3,882		
21	0-18	Concrete		2/6/2020
	18-36	1,986		
	36	2,060		
22	0-18	Concrete		
	18-36	2,607		
	36	1,866		
23	0-18	Concrete	2/18/2020	
	18-36	2,343		
	36	3,876		
24	0-18	Concrete		
	18-36	3,421		
	36	2,122		
25	0-18	Concrete		
	18-36	3,604		
	36	1,877		
26	0-18	Concrete		
	18-36	2,933		
	36	1,800		
27	0-18	Concrete		
	18-36	1,248		
	36	1,765		

Location	Depth (inches)	Readings (cpm)	Drawing #	Date Surveyed	
28	0-18	Concrete	Drw #1904 (E Ohio St East of N McClurg Ct)	2/19/2020	
	18-36	3,485			
	36	1,691			
29	0-18	Concrete			
	18-36	1,930			
	36	2,036			
30	0-18	Concrete		Drw #1974 (N McClurg Ct between E Ohio St and E Grand Ave)	2/20/2020
	18-36	2,262			
	36	3,818			
31	0-18	Concrete			
	18-36	3,624			
	36	4,612			
32	0-18	Concrete	Drw #1974 (N McClurg Ct between E Ohio St and E Grand Ave)		2/21/2020
	18-36	2,777			
	36	4,002			
33	0-18	Concrete			
	18-36	2,812			
	36-54	3,113			
	54-66	4,482			
	66	4,392			
34	0-18	Concrete		Drw #1974 (N McClurg Ct between E Ohio St and E Grand Ave)	2/24/2020
	18-36	2,192			
	36	2,222			
35	0-18	Concrete			
	18-36	1,463			
	36	2,214			
36	0-18	Concrete	Drw #1974 (N McClurg Ct between E Ohio St and E Grand Ave)		2/26/2020
	18-36	3,319			
	36	2,112			
37	0-18	Concrete			
	18-36	1,738			
	36	2,642			
38	0-18	Concrete		Drw #1974 (N McClurg Ct between E Ohio St and E Grand Ave)	2/27/2020
	18-36	1,767			
	36	2,441			
39	0-18	Concrete			
	18-36	5,124			
	Bucket 1	3,789			
	Bucket 2	4,110			
	Bucket 3	2,883			
40 (Sidewalk)	0-6	Concrete	Drw #1951 (N St. Clair St south of E Grand Ave)		3/20/2020
	6-18	1,963			
	18-30	1,361			
41	0-12	Concrete			
	12-24	4,130			
	24-36	3,637			
42	0-12	Concrete			
	12-24	3,668			
	24-36	3,246			

Location	Depth (inches)	Readings (cpm)	Drawing #	Date Surveyed
43	0-12	Concrete	Drw #1951 (N St. Clair St south of E Grand Ave)	3/24/2020
	12-24	3,821		
	24-36	4,108		
44	0-12	Concrete		
	12-24	4,624		
	24-36	3,811		
45	0-12	Concrete		
	12-24	2,894		
	24-36	3,062		
46*	0-18	Concrete	Drw #1754 (E Ohio St and N McClurg Ct)	4/2/2020
	18	2,200		
	24	2,600		
	36	3,300		
47*	0-18	Concrete		
	18	2,100		
	24	2,200		
	36	4,000		
48*	0-18	Concrete		
	18	2,800		
	24	3,200		
	36	3,060		
49*	0-18	Concrete		4/3/2020
	18	2,000		
	24	2,400		
	36	4,000		
50*	0-18	Concrete		
	18	2,300		
	24	2,800		
	36	4,100		
51	0-12	concrete	Drw #1753 (E Ohio St west of N Fairbanks Ct)	5/1/2020
	12	2010		
	12-36	2010		
	36	2010		
52	0-12	concrete		
	12	1793		
	12-36	1793		
	36	1793		
53	0-12	concrete		
	12	2091		
	12-36	2091		
	36	2091		
54*	0-12	concrete		5/4/2020
	12	2200		
	12-36	4000		
	36	3500		
55*	0-12	concrete		
	12	2200		
	12-36	2400		
	36	1600		

Location	Depth (inches)	Readings (cpm)	Drawing #	Date Surveyed						
56*	0-12	concrete	Drw #1753 (E Ohio St west of N Fairbanks Ct)	5/4/2020						
	12	2500								
	12-36	2200								
	36	1600								
57*	0-12	concrete		Drw #1753 (E Ohio St west of N Fairbanks Ct)	5/5/2020					
	12	3000								
	12-36	2200								
	36	2000								
58*	0-12	concrete				Drw #1753 (E Ohio St west of N Fairbanks Ct)	5/5/2020			
	12	1000								
	12-36	1200								
	36	2400								
59*	0-4	sidewalk			Drw #1753 (E Ohio St west of N Fairbanks Ct)			5/5/2020		
	4	1100								
	4-20	1600								
	20-36	1650								
	36	1700								
60*	0-12	concrete					Drw #1753 (E Ohio St west of N Fairbanks Ct)		5/6/2020	
	12	3500								
	12-36	3100								
	36	2900								
61*	0-12	concrete						Drw #1753 (E Ohio St west of N Fairbanks Ct)		5/6/2020
	12	3800								
	12-36	4200								
	36	4900								
62*	0-12	concrete	Drw #1753 (E Ohio St west of N Fairbanks Ct)						5/6/2020	
	12	3500								
	12-36	4200								
	36	5000								
63*	0-12	concrete		Drw #1753 (E Ohio St west of N Fairbanks Ct)						5/7/2020
	12	3800								
	12-36	4000								
	36	4100								
64*	0-12	concrete				Drw #1753 (E Ohio St west of N Fairbanks Ct)			5/7/2020	
	12	3900								
	12-36	4000								
	36	4100								
65*	0-12	concrete			Drw #1753 (E Ohio St west of N Fairbanks Ct)					5/7/2020
	12	2900								
	12-36	3000								
	36	3100								
66*	0-12	concrete					Drw #1753 (E Ohio St west of N Fairbanks Ct)		5/7/2020	
	12	2600								
	12-36	2500								
	36	4000								

Notes: \* - Cutoff 6,818 cpm shielded