



AECOM  
100 S. Wacker Drive, Suite 500  
Chicago, Illinois 60606

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

May 10, 2018

Mr. Chris Hanlon  
Meade, Inc.  
955 W 55<sup>th</sup> Street, Suite A  
McCook, IL 60525

RE: Radiological Survey of Right-of-Way Utility Excavation  
Permit No.: DOT942235  
Permit Address: 330-441 E. Illinois St. and 480-501 N McClurg Ct., Chicago, IL  
AECOM Project No. 60572408

Dear Mr. Hanlon:

Pursuant to conditions specified in the Chicago Department of Public Health permit (attached), radiation monitoring was required to be performed at the above referenced site. AECOM Technical Services, Inc. (AECOM) provided the required radiation monitoring between May 1 and 4, 2018 for trench excavations related to an installation of a fiber optic line.

Surveying was conducted at the above referenced address during the trench excavation in the Right-of-Way (ROW). The excavation consisted of a trench excavations west of the intersection E. Illinois St. and N. McClurg Ct. The trench was approximately 3-feet wide with a total length of approximately 160-feet and a depth of 36-inches below ground surface (bgs).

The U.S. Environmental Protection Agency (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 made using a Ludlum Model 2221 survey meter and a shielded 2 x 2 inch sodium iodide (NaI) probe Model 44-10. For the instrument used, the gamma count indicative of the USEPA removal action level of 7.1 pCi/g was 7,293 counts per minute (cpm) shielded. The field instrument gamma background for the area was measured at approximately 1,950 cpm shielded. Field gamma measurements greater than twice the field background represent potential anomalous results that require more cautious and frequent field screening, but are not necessarily indications of the presence of thorium contaminated fill soil.

The ROW consisted of at least 10-inches of concrete and 4 inches of asphalt. The initial screening was completed following the removal of the pavement. The field gamma measurements within the excavation and of the spoil materials generated during the excavation process did not exceed the field instrument threshold equivalent to the USEPA removal action level and ranged from a minimum of 1,500 cpm to a maximum of 5,800 cpm shielded. Thus, there was no indication of the presence of radiologically-contaminated fill soil and/or an exceedance of the USEPA removal action level of 7.1 pCi/g total radium.

As part of the permit conditions this letter has been forwarded to:

Chicago Department of Public Health  
Attention: Mr. Terry Sheahan  
333 South State Street, Room 200  
Chicago, Illinois 60604

Permit No.: DOT942235  
Permit Address: 330-441 E. Illinois St.  
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Please contact us with any questions you have regarding this letter or the reported results.

Regards,



Andrew Kozak  
Geologist



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

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

Attachments: CDPH Permit  
Sketch and Tabulated Results

**PERMIT**



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): MCI - Metro (Chivas Hemphill) Signature: Chivas Hemphill
Site Address and Work Location (Describe exact site location and attach map): 330-441 E Illinois St and 480-501 N McClug Ct

Nature of Work: 160' of fiber optic conduit installation and one quazite box via open cut

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

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

Safety Officer / Phone No. (Include subcontractor information if applicable)

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.: DOT942235

Today's Date: 4/24/2018 Expected Start Date: 4/27/2018 CDPH Approval / Date: [Signature] 4-25-18

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)

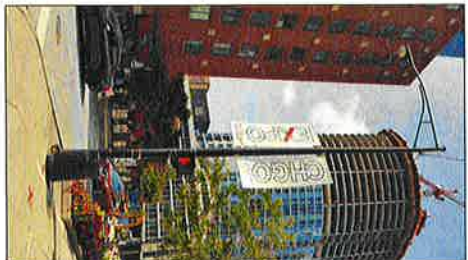
For CDPH Use Only

POLE LOCATION PHOTOS



POLE LOCATION AERIAL

NORTH PIER RELO POLE LOCATION  
 LATITUDE: 41.8911 LONGITUDE: -87.6179  
 ADDRESS: 512 N. MCCLURG CT.  
 NODE ID: 425735



POLE LOCATION  
 FACING WEST



POLE LOCATION  
 FACING SOUTH

FOR CONSTRUCTION



**Verizonbusiness**

NODE ID: 425735  
 E. LUMMS ST. AND N. MCCLURG CT.  
 CHICAGO, ILLINOIS  
 QIC NO. 2017-7780

CLASSIFICATION NO. QUANTITY

CLASSIFICATION NO.	QUANTITY

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

**hbK**  
 ENGINEERING

HBK ENGINEERING, LLC  
 141 WEST VAN HOLSTEN AVENUE 2ND  
 CHICAGO, IL 60607  
 PHONE: 312.867.1000 FAX: 312.867.1001  
 WWW.HBKENGINEERING.COM  
 REGISTRATION LICENSE NO. 06288438

DATE: 09-01-2017  
 ENGINEER: GSS  
 DRAWN BY: CAM

REVISIONS

DATE	DESCRIPTION	INITIALS
9/1/17	FOR ONE SUBMITTAL	CAM

V./7/16/16 JFC JMB

SCALE  
 HORIZONTAL: N.T.S.  
 VERTICAL: N.T.S.

MP \_\_\_\_\_ TO MP \_\_\_\_\_  
 SHEET 8 OF 8  
 FILE: 16-0890 VZ-ST-44

## SKETCH AND TABULATED RESULTS

CITY OF CHICAGO, ILLINOIS  
COOK COUNTY

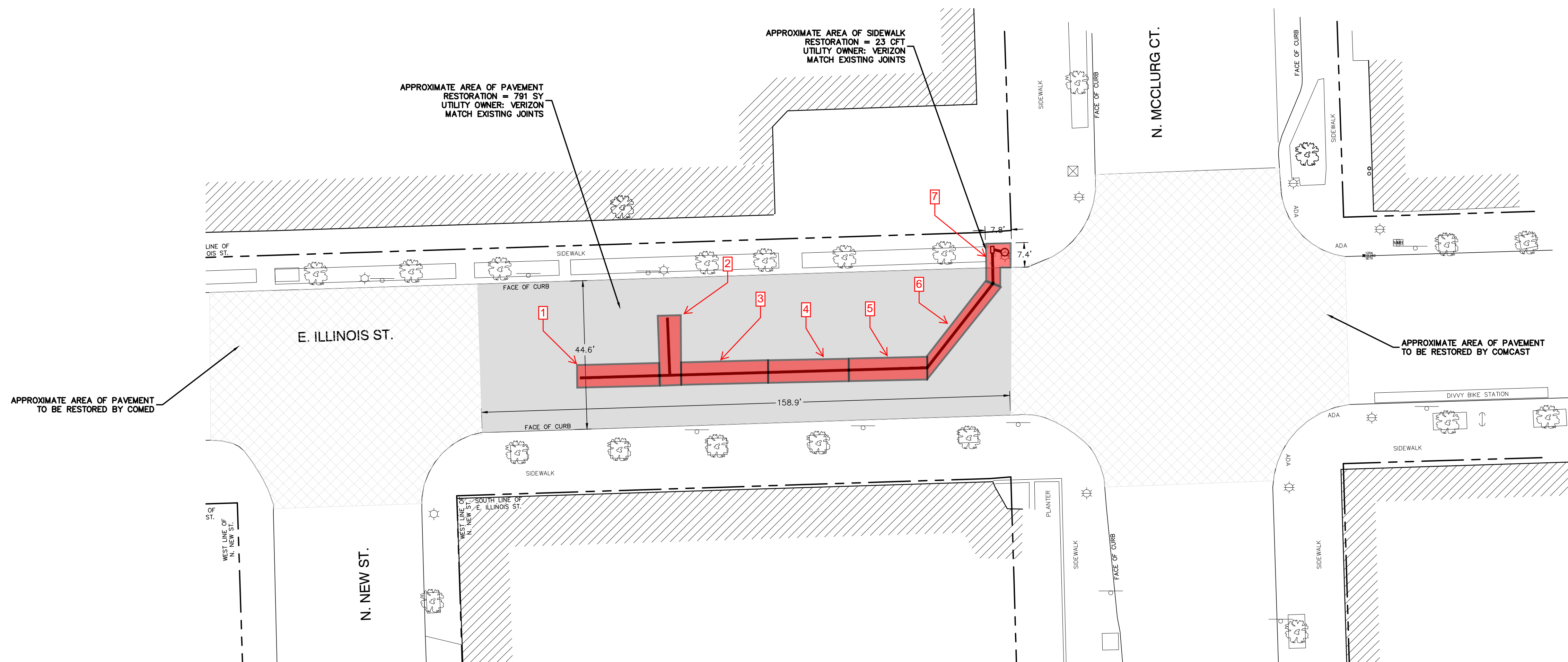


NODE ID: 425735

E. ILLINOIS ST. AND N. MCCLURG CT.  
CHICAGO, ILLINOIS

OUC NO: 2017-77987

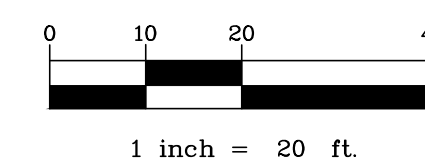
CLARIFICATION NO.	QUANTITY



RESTORATION PLAN VIEW

**FOR CONSTRUCTION**

TOTAL AREA OF SIDEWALK RESTORATION = 23 CFT  
TOTAL AREA OF PAVEMENT RESTORATION = 791 SY



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" AND BUILDING MANagements SATISFACTION.

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

ENGINEER:  
**hbh** ENGINEERING, LLC  
921 WEST VAN HISEN, SUITE 100  
CHICAGO, IL 60607-2943  
PHONE: (773) 553-4434  
STATE OF ILLINOIS, DEPARTMENT OF PROFESSIONAL REGULATION, LICENSE NO. 184402208

DATE:	09-01-2017	
ENGINEER:	GSS	
DRAWN BY:	CJM	
REVISIONS		
DATE	DESCRIPTION	INITIAL
9/1/17	FOR OUC SUBMITTAL	CJM
1/19/18	IFC	JWB

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

SCALE  
HORIZONTAL: 1" = 20'  
VERTICAL:  
MP \_\_\_\_\_ TO MP \_\_\_\_\_  
SHEET 5 OF 7  
FILE: 16-0880 VZ-ST-44

**330-441 E. Illinois St. and 480-501 N McClurg Ct., Chicago, IL**

<u>Survey Equipment</u>	
Ludlum 2221 S/N:	326720
Probe 2x2 NaI S/N:	PR360158
Shielded:	7,293 cpm
Background:	1,950 cpm
Personnel:	E. Sulita, D. Domino

**Survey Results (CPM)**

<u>Section #</u>	<u>Depth</u>	<u>Results</u>
1	0"	pavement
	15"	2000
	33"	3000
2	0"	pavement
	15"	1500
	33"	1700
3	0"	pavement
	15"	1800
	33"	2800
4	0"	pavement
	15"	2700
	33"	3100
5	0"	pavement
	15"	2600
	33"	3500
6	0"	pavement
	15"	2200
	33"	5800
7	0"	pavement
	15"	2800
	33"	3800