



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

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312-939-4198 fax

963408

January 5, 2021

Mr. Phil Livingston  
IHC Construction Companies, LLC  
385 Airport Rd., Suite 100  
Elgin, IL 60123

RE: Streeterville Thorium Monitoring Results  
Permit No.: DOT1396922  
Permit Address: Alley west of 300-314 N. Michigan Ave.  
AECOM Project No. 60565145.600

Dear Mr. Livingston:

Pursuant to conditions specified in the Right of Way (ROW) form (attached) issued by the City of Chicago Department of Public Health (CDPH), radiation monitoring was required to be performed at the above referenced site. AECOM Technical Services, Inc. (AECOM) provided the required radiation surveillance on the late evening and early morning hours of December 18<sup>th</sup> and 19<sup>th</sup>, 2020 for a small excavation required to repair a buried manhole in an alley west of 310 N. Michigan Ave. in Chicago, IL (refer to map included with CDPH form).

Surveying was performed in an approximately 5-foot diameter opening. The excavation was in an alley off of Lower Wacker Place, approximately 100-feet west of 310 N. Michigan Avenue, and 20-feet north of Lower Wacker Place. Refer to the attached photograph and maps attached to the CDPH form for the approximate location of the excavation. The excavation was excavated to a depth of 24-inches.

The monitoring did not indicate that the exported 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 a Ludlum Model 2221 survey meter and a shielded 2 x 2 inch NaI probe (Model 44-10). For the instrument used the gamma count threshold indicative of the 7.1 pCi/g removal action level is 6,933 (S/N: 172039) counts per minute (cpm) shielded utilizing a short cord.

Field gamma measurements of the exported fill soil did not exceed the instrument threshold previously stated, with a maximum reading of 2,010 cpm shielded. The field instrument background gamma radiation level of nearby soils was measured at 1,150 cpm shielded. A copy of the CDPH form, photograph and the tabulated gamma results are included as attachments.

As part of the permit conditions, a PDF copy of this letter report has been emailed to the CDPH and Verneta Simon (USEPA) to fulfill the requirements of the CDPH.

Project No.: 60565145.600

Permit Address: Alley west of 310-314 N. Lower Michigan Ave., Chicago, IL

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

Regards,



Eric Sulita, P.E.  
Environmental Engineer III



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

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

Attachments: CDPH Permit Form and Map  
Photograph and Gamma Results

**CDPH PERMIT FORM**



DEPARTMENT OF PUBLIC HEALTH
CITY OF CHICAGO

FORM NO. CDPH.ROW.03 (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 Access Transmission Signature: \_\_\_\_\_

Site Address and Work Location (Describe exact site location and attach map): \_\_\_\_\_

Alley west of 300-314 N Michigan

Nature of Work: Repair buried manhole

Company Name, Address, Phone No.: 2400 N Glenville, Richardson, TX 75082 (708)458-6410

IHC CONSTRUCTION COMPANIES, LLC (847)417-1092 385 AIRPORT RD. SUITE 100 ELGIN IL 60123

General / Prime Contractor Name, Address, Phone No. (Include subcontractor information if applicable) Phil Livingston 847-420-0552

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

Radiation Contractor / Phone No. (if applicable) AECOM (262)515-7700

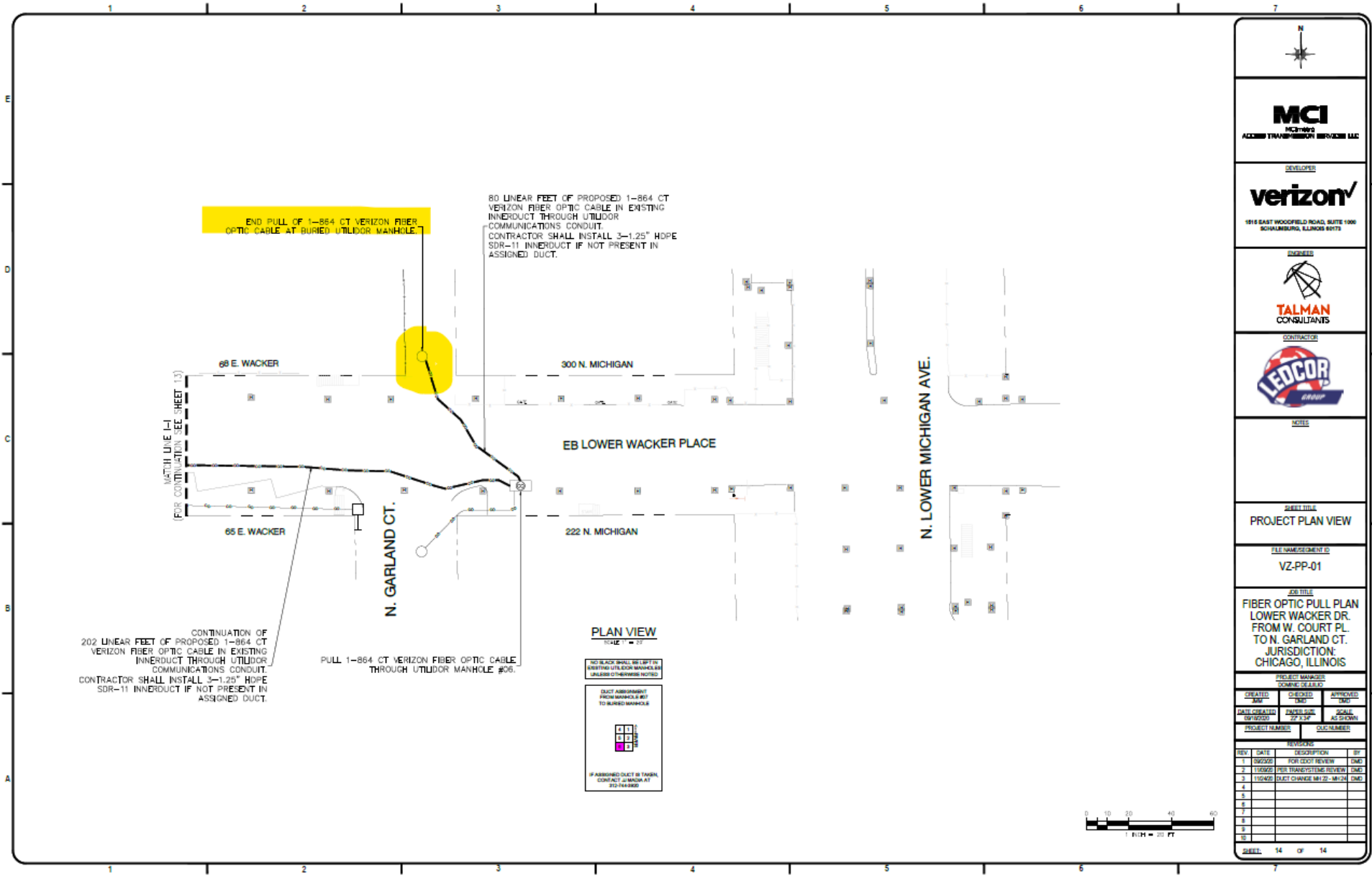
Check if City Department Work [ ] Department Name: \_\_\_\_\_

CDOT Permit No.: DOT1396922

Today's Date: 12/11/20 Expected Start Date: 12/24/20 CDPH Approval / Date ahmad nur 12/11/2020

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



END PULL OF 1-864 CT VERIZON FIBER OPTIC CABLE AT BURIED UTILIDOR MANHOLE.

80 LINEAR FEET OF PROPOSED 1-864 CT VERIZON FIBER OPTIC CABLE IN EXISTING INNERDUCT THROUGH UTILIDOR COMMUNICATIONS CONDUIT. CONTRACTOR SHALL INSTALL 3-1.25" HDPE SDR-11 INNERDUCT IF NOT PRESENT IN ASSIGNED DUCT.

CONTINUATION OF 202 LINEAR FEET OF PROPOSED 1-864 CT VERIZON FIBER OPTIC CABLE IN EXISTING INNERDUCT THROUGH UTILIDOR COMMUNICATIONS CONDUIT. CONTRACTOR SHALL INSTALL 3-1.25" HDPE SDR-11 INNERDUCT IF NOT PRESENT IN ASSIGNED DUCT.

PULL 1-864 CT VERIZON FIBER OPTIC CABLE THROUGH UTILIDOR MANHOLE #06.

**PLAN VIEW**  
SCALE = 1" = 20'

NO BLACK SHALL BE LEFT IN EXISTING UTILIDOR MANHOLE AS SHOWN ON DRAWING NOTES

DUCT ASSIGNMENT FROM MANHOLE NOT TO BURIED MANHOLE



IF ASSIGNED DUCT IS TAKEN, CONTACT J. WILSON AT 312-744-9888

**MCI**  
ACCESS TRANSMISSION SERVICES LLC

DEVELOPER  
**verizon**  
1818 EAST WOODFIELD ROAD, SUITE 1000  
SCHLAUSBURG, ILLINOIS 60175

DESIGNED  
**TALMAN**  
CONSULTANTS

CONTRACTOR  
**LEDOR**  
GROUP

NOTE

SHEET TITLE  
**PROJECT PLAN VIEW**

FILE NAME/VERSION ID  
**VZ-PP-01**

JOB TITLE  
**FIBER OPTIC PULL PLAN  
LOWER WACKER DR.  
FROM W. COURT PL.  
TO N. GARLAND CT.  
JURISDICTION:  
CHICAGO, ILLINOIS**

PROJECT MANAGER			DOMING DELELLA		
CREATED	CHECKED	APPROVED	DATE	DATE	DATE
SMF	SMF	DMG			
DATE CREATED	DATE CHECKED	DATE APPROVED	07/13/24	07/13/24	AS SHOWN
PROJECT NUMBER	DATE NUMBER				

REVISIONS				
REV	DATE	DESCRIPTION	BY	APP
1	08/05/24	FOR COST REVIEW	DMG	
2	10/08/24	FOR TIME/STAKE REVIEW	DMG	
3	11/04/24	DUCT CHANGE M.I.D. - M.I.D.	DMG	
4				
5				
6				
7				
8				
9				
10				

SHEET 14 OF 14

## PHOTOGRAPH AND GAMMA RESULTS

**PICTURE 1: VIEW OF THE ALLEY EXCAVATION, LOOKING SOUTH TOWARDS LOWER WACKER PLACE.**



**Gamma Survey Results  
IHC Construction**

**Survey Equipment**

Location:	Alley west of 300-314 N. Lower Michigan Ave., Chicago, IL
CDPH:	DOT1396922
Ludlum 2221 S/N:	172039
Cutoff (short cord):	6,933 cpm
Background:	1,150 cpm
Personnel:	Eric Sulita (AECOM)
Date of Screening:	12/18/2020 - 12/19/2020

**Survey Results**

Depth below ground surface (inches)	Readings (cpm)
0-12	concrete
12	1,960
16	1,760
20	1,890
24	2,010