



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

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

February 20, 2018

Mr. Phil Livingston  
IHC Construction Companies LLC  
1500 Executive Drive  
Elgin, IL 60123

RE: Utility Excavation for Duct Repair  
Permit No.: DOT903915  
Permit Address: 150-211 E. Illinois St and 450-51 N St. Clair Streets, Chicago, IL  
AECOM Project No. 60565145.401

Dear Mr. Livingston:

Pursuant to conditions specified in a permit (see attached) issued by the City of Chicago, radiation monitoring was required to be performed at the above referenced site. AECOM Technical Services, Inc. (AECOM) provided the required radiation surveillance during excavation work to repair a blocked duct bank on February 8, 2018.

Surveying was performed on the fill removed at the permit address listed above, which was required to repair and remove debris from a blocked conduit. The work consisted of the excavation of a rectangular 3 by 6 foot excavation near the northwest corner of E. Illinois and N St. Clair Streets. The excavation was excavated to approximately 54 inches below ground surface (bgs). Refer to the attached sketch for the excavation location.

The monitoring did not indicate that the 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 Models 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 6,637(S/N: 176944) counts per minute (cpm) shielded. The field instrument background count for soil within a nearby planter ranged from 1,200 to 1,600 cpm shielded.

The field gamma measurements within the excavation during the excavation process did not exceed the instrument threshold previously stated and ranged from a minimum of 1,100 cpm to a maximum of 2,100 cpm shielded. The general subsurface stratigraphy beneath the pavement was composed of urban fill. 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. A copy of the permit and a field sketch documenting the area where work was performed, have been included as attachments.

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.: DOT903915  
Permit Address: 150-211 E. Illinois St.  
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Please contact us with any questions you have regarding this letter or the reported results.

Regards,



Kyle Korczak  
Geologist



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

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

Attachments: Permit  
Sketch

**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.

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): Chivas Hemphill Signature: Chivas Hemphill

Site Address and Work Location (Describe exact site location and attach map): NW Corner of Illinois and St Clair
150-211 E Illinois St and 450-501 N St Clair St

Nature of Work: 5x5x5 Dig up to repair/remove debris from conduit

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

General / Prime Contractor Name, Address, Phone No.: IHC Construction, Larry Creadon (847)841-7818

Safety Officer / Phone No.:

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

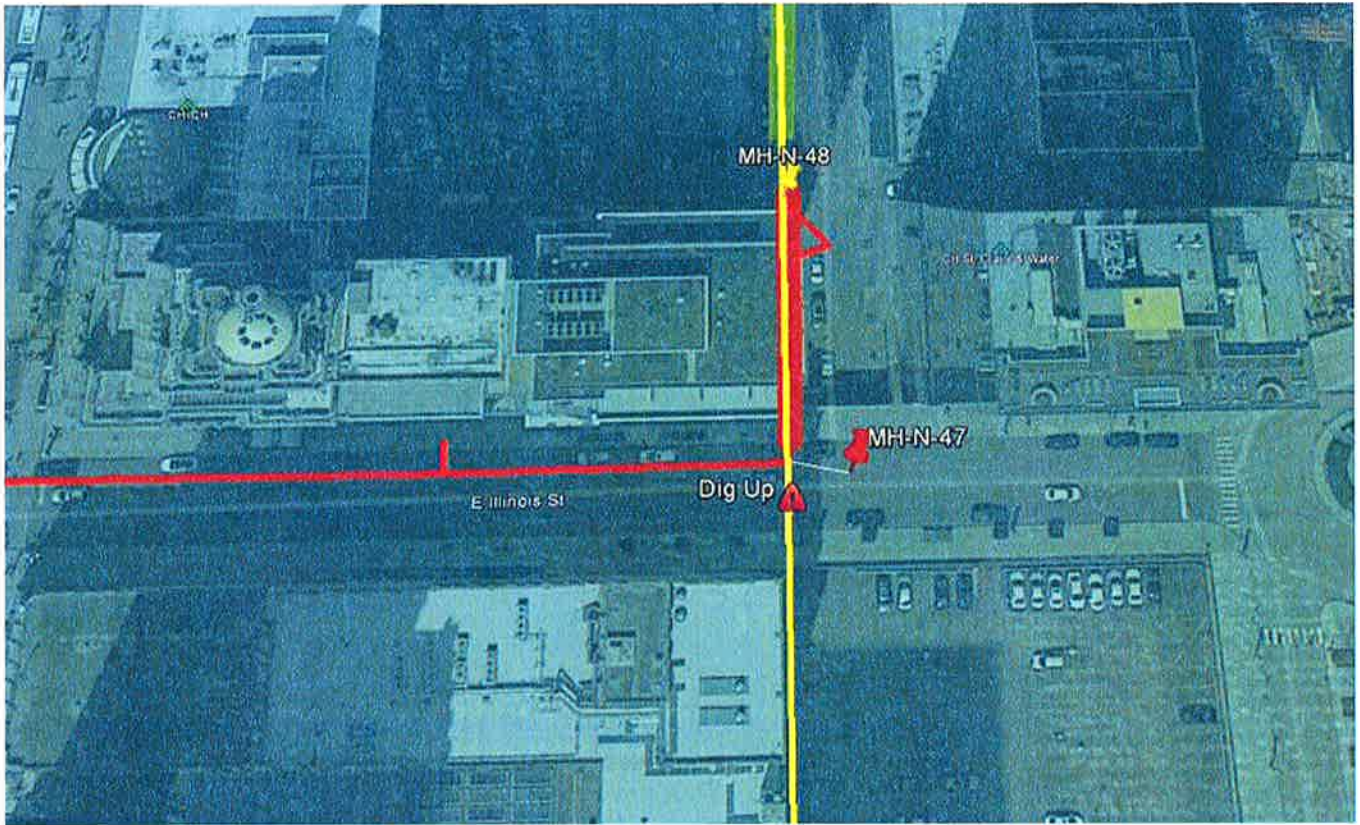
Check if City Department Work [ ] Department Name:

CDOT Permit No.: DOT903915

Today's Date: 1/10/2018 Expected Start Date: ASAP CDPH Approval / Date: [Signature] 1/19/18

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

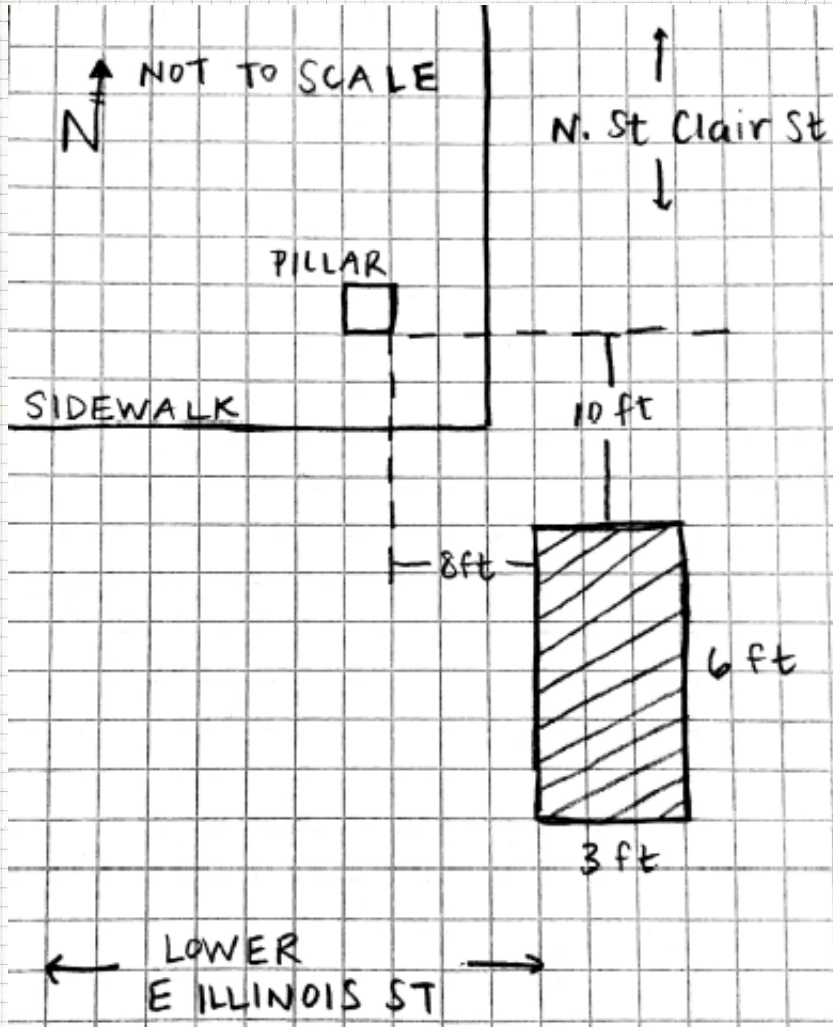


**SKETCH**



JOB TITLE JHC Construction  
 JOB NO. 60565145 CALCULATION NO. \_\_\_\_\_  
 ORIGINATOR G. Cannon DATE 2/8/18  
 REVIEWER S. Korndorfer DATE 2/14/18  
 SCALE not to scale SHEET NO. 1 OF 1

Ludlum 2221: 5N 176944  
 Shielded Cat # 6, 36 cpm  
 Background: 1200-1600 cpm



Depth	CPM/Material
0-18"	1300-1600 mostly concrete
18-36"	1400-2100 Urban fill
36-54"	1100-1900 Urban fill