



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

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

November 15, 2018

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

RE: Electrical Conduit Repair
Permit No.: DOT1020378
Permit Address: 533-550 N. St. Clair St., Chicago, IL
AECOM Project No. 60565145.300

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 an electrical conduit on October 29, 2018.

Surveying was performed on the fill removed at 533-550 N. Saint Clair St., approximately 120-feet north of the intersection of E. Grand Ave. and N. St. Clair Ave. The work consisted of an excavation of a trench 3-feet wide, 8-feet long, and excavated to a depth of 40-inches below ground/pavement 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 6,666(S/N: 326720) counts per minute (cpm) shielded. The field instrument background count for soil within a nearby planter ranged from 2,300 to 2,600 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 1,300 cpm to a maximum of 3,600 cpm shielded. The general subsurface stratigraphy beneath the pavement was predominantly composed of yellow, fined-grained sand with minimal 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, a field sketch and results table documenting the area where work was performed are included as attachments.

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

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

Permit No.: DOT1020378
Permit Address: 533-50 N. St. Clair 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 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. 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): Chivas Hemphill Signature: Chivas Hemphill

Digitally signed by Chivas Hemphill
DN: c=US, e=chivas.hemphill@tedcor.com,
ou=Chivas Hemphill
Date: 2018.10.16 16:37:54-0500

Site Address and Work Location (Describe exact site location and attach map): 533-550 N St Clair St

Nature of Work: Dig up repair of existing conduit

Company Name, Address, Phone No.: MCI Metro 708-458-6410

General / Prime Contractor Name, Address, Phone No.: IHC Construction - Phil Livingston 804-841-7804
Include subcontractor information if applicable

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.: DOT 1020378

Today's Date: 10/15 Expected Start Date: 10/17 CDPH Approval / Date J Sheehan 10/17/18

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

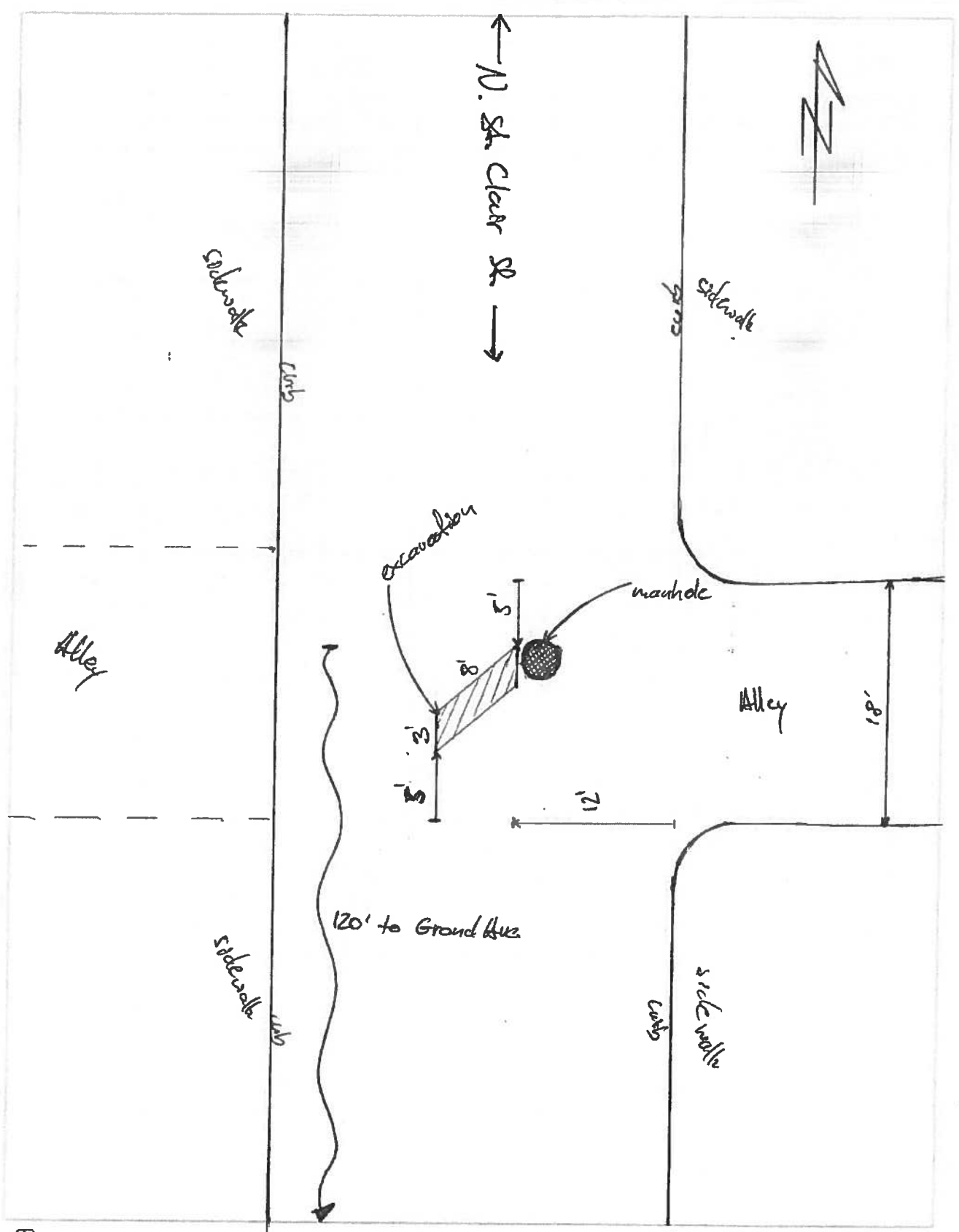


SKETCH

By: A. Kezak Date: 11/1/18
Chkd. by: SKK Date: 11/3/18

Subject: Thorium Screening

Sheet 1 of 1
Job No.: 605605145-300



Survey Results
533-550 N. St. Clair St.
IHC Construction

Survey Equipment

Ludlum 2221 S/N:	326720
Probe 2x2 NaI S/N:	360158
Shielded:	6,666 cpm
Background:	2,300 - 2,600 cpm
Source Block:	10,000 - 11,000 cpm
Personnel:	A. Kozak
Date of Screening:	10/29/2018
DOT Permit #:	1020378

Survey Results

Section	Depth (inches)	Readings (CPM)
1	0	asphalt
	16	1,300 - 1,700
	34	2,800 - 3,600
	40	2,500 - 3,600