AECOM
303 E. Wacker Drive, Suite 1400
Chicago, Illinois 60601

312-373-7700 tel

June 21, 2019

Ms. Adele Herrera
AT&T Illinois
2427 Union Street
Blue Island, Illinois 60406

RE: Radiological Survey of Right-of-Way Utility Excavation
Permit No.: DOT1097060
Permit Address: 200-14 E. Ohio Street
AECOM Project No. 60163572

Dear Ms. Herrera:

Pursuant to conditions specified in a permit issued by the City of Chicago, radiation monitoring was required to be performed for excavation at the above referenced site. AECOM Technical Services, Inc. (AECOM) was contracted to conduct the required radiation monitoring on June 20, 2019 for an excavation necessary to repair a duct for a service.

Surveying was conducted within the excavation and on the spoil removed at the above referenced site (see sketch). The excavation was within an alley east of N. St. Clair St. between E. Ontario St. and E. Ohio St. It is located on the southern side of the alley adjacent to the building approximately 207-feet east of manhole on N. Saint Clair St. (refer to the drawing attached to the CDPH permit). The work entailed the removal of the existing alley pavement, which was 8-inches thick, and the subsurface fill material. The excavation area was approximately 6-feet wide, 5-feet long and excavated to a depth of 4-feet below ground surface (bgs). The top of the duct package was found at approximately 3-feet bgs.

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 an unshielded 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 6,669 (S/N: 172039) counts per minute (cpm) shielded. The field instrument background within a nearby planter was recorded at 1,600 cpm shielded. A background reading on the pavement in the vicinity of the excavation was 1,443 cpm shielded.

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 1,600 cpm to a maximum of 2,600 cpm shielded. 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 in the excavation. A copy of the permit and the gamma survey results have been included as attachments.

As part of the permit conditions, a PDF copy of this letter has been forwarded via email to Terry Sheahan (CDPH) and Verneta Simon (USEPA).

Please contact us with any questions you have regarding this letter.
Regards,

Andrew Kozak
Geologist

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

cc: Terry Sheahan, Chicago Department of Public Health
Verneta Simon, USEPA
Hythaniel Marks, AT&T

CDPH PERMIT FORM

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): Hythaniel Marks Signature: Hythaniel Marks

Site Address and Work Location (Describe exact site location and **attach map**): 200-214 E. Ohio St. (A01J0HF) IN ALLEY 207' EAST OF MA 9128

Nature of Work: HEI to SAWCUT & EXCAVATE A 10X5X5 PIT IN ASPHALT to REPAIR DUCT.

Company Name, Address, Phone No.: AT&T 900 N. Villa Ave Villa PK IL. 60181 (630) 626-0430

General / Prime Contractor Name, Address, Phone No.: HYBLO EX. INC. 3401 E. 15TH AVE GARY IN.
Include subcontractor information if applicable

Safety Officer / Phone No. ANTONIO VASQUEZ (219) 798-5242

Radiation Contractor / Phone No. and email address (if applicable) Steve Kolnder (262) 515-7700 Steve.Kolnder@Arcom.com

Check if City Department Work ☐ Department Name: _____

CDOT Permit No.: DOT1097060

Today's Date: 05/30/19 Expected Start Date: 06/03/19 CDPH Approval / Date J Sheahan 5/30/2019

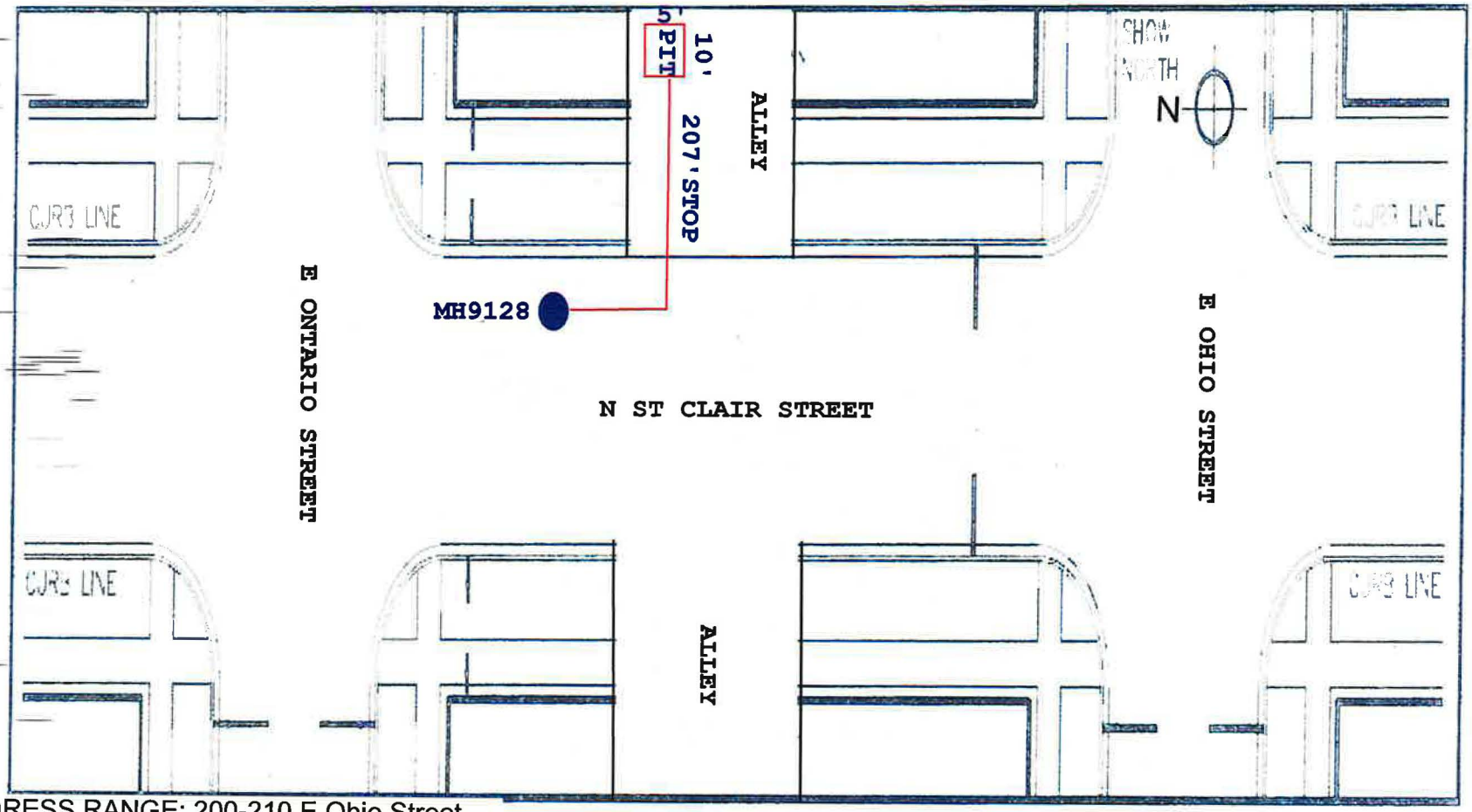
Please return this completed form to the Chicago Department of Transportation, Division of Infrastructure Management, Public Way Permit Office, City Hall – Room 905, 121 N. LaSalle St., Chicago, Illinois 60602 during normal business hours (8:30 AM - 4:30 PM, Monday through Friday)

For CDPH Use Only

SVA-19-162

Work Zone Sketch (Include Street Names, Roadway Layout, Roadway/Sidewalk Widths, and Work Zone Layout)

UT#A01J0HF



ADDRESS RANGE: 200-210 E Ohio Street

Please Post NO PARKING in Address Range

please Add Cardi Asphalt to Permit
please Add Asphalt Plus Chicago
*please Add MAT Construction
Please Add M&J Paving to Permit
*please Add CSI 3,000

GAMMA SURVEY RESULTS

Survey Results
200-14 E. Ohio St.
AT10:08 AM/HEI
DOT1097060

Survey Equipment

Ludlum 2221 S/N:	176944
Probe 2x2 NaI S/N:	RN21187
Cutoff Shielded:	6,669 cpm
Background Shielded:	1,600/1,443 cpm
Personnel:	E. Sulitat
Date of Screening:	6/20/2019

Survey Results

Depth (inches)	Readings (CPM)
0-8	concrete\asphalt
24	1,600 - 1,800
30	1,600 - 2,500
48	2,600