



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

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

January 22, 2021

Mr. Al Miranda
AT&T
4533 W Roscoe St.
Chicago, IL 60641

RE: Streeterville Thorium Monitoring Results
Permit No.: DOT1402413
Permit Address: Alley south of 201-229 Ontario St.
AECOM Project No. 60163572.9380

Dear Mr. Miranda:

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 January 15, 2021 for an excavation required to install a fiber optic conduit in an alley south of 201-229 E. Ontario St. in Chicago, IL (refer to map included with CDPH form).

Surveying was performed in a 50-foot long trench, 30-inch wide trench. The excavation was in an alley between Ontario and Ohio streets, approximately 260-feet east of St. Clair St. Refer to the maps attached to the CDPH form for the approximate location of the excavation. The trench was excavated to a depth of 34-inches.

The monitoring did not indicate that the excavated 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 excavated soil did not exceed the instrument threshold previously stated, with a maximum reading of 5,230 cpm shielded. The field instrument background gamma count of nearby soils was measured at 2,990 cpm shielded. A copy of the CDPH form, aerial map, and the tabulated gamma results are included as attachments.

As part of the permit conditions, a PDF copy of this letter will be forwarded to the CDPH and Verneta Simon (USEPA) to fulfill the requirements of the CDPH.

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: Terry Sheahan, CDPH
Ahmad Nur, CDPH
Verneta Simon, USEPA

Attachments: CDPH Permit
Sketch with Results

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 as potentially having environmental contamination on the site and adjacent right-of-way. This environmental contamination could threaten to human health and safety in connection with work performed at the site, or in the adjacent right-of-way, if proper safeguards are employed.

A file containing detailed information regarding the aforementioned environmental contamination is available for review at CDPH, 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): AT&T / Al Miranda Signature: Al Miranda

Site Address and Work Location (Describe exact site location and **attach map**): 201 - 229 E. Ontario Street

Nature of Work: Excavate, expose, & repair AT&T conduit

Company Name, Address, Phone No.: AT&T

General / Prime Contractor Name, Address, Phone No.: Hydro-Exc. Inc. 321 E. Main St. Griffith IN
Include subcontractor information if applicable

Safety Officer / Phone No. Andrew Piffer / 2197895005

Radiation Contractor / Phone No. and email address (if applicable) Steve Kornder / 2625157700

Check if City Department Work ☐ Department Name: _____

CDOT Permit No.: DOT1385746 DOT1402413

Today's Date: 01/07/2021 Expected Start Date: 01/13/2021 CDPH Approval / Date ahmad nur 01/11/2021

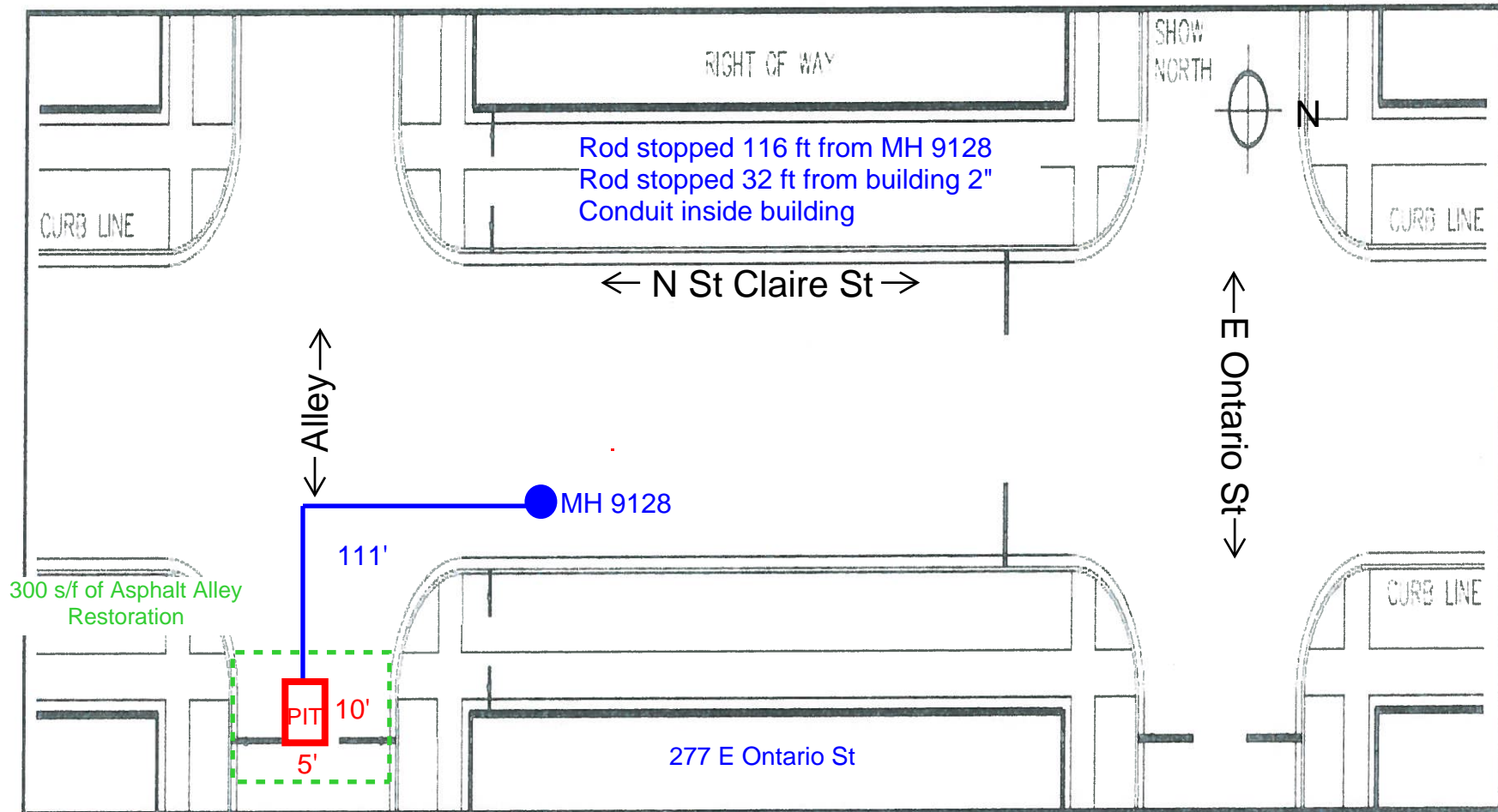
Please return this completed form to the Chicago Department of Transportation, Division of Infrastructure Management, Public Way Permit Office, City Hall – Room 905, 121 N. LaSalle St., Chicago, Illinois 60602 during normal business hours (8:30 AM - 4:30 PM, Monday through Friday)

For CDPH Use Only

SVA-20-534

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

UT# A01YCGF



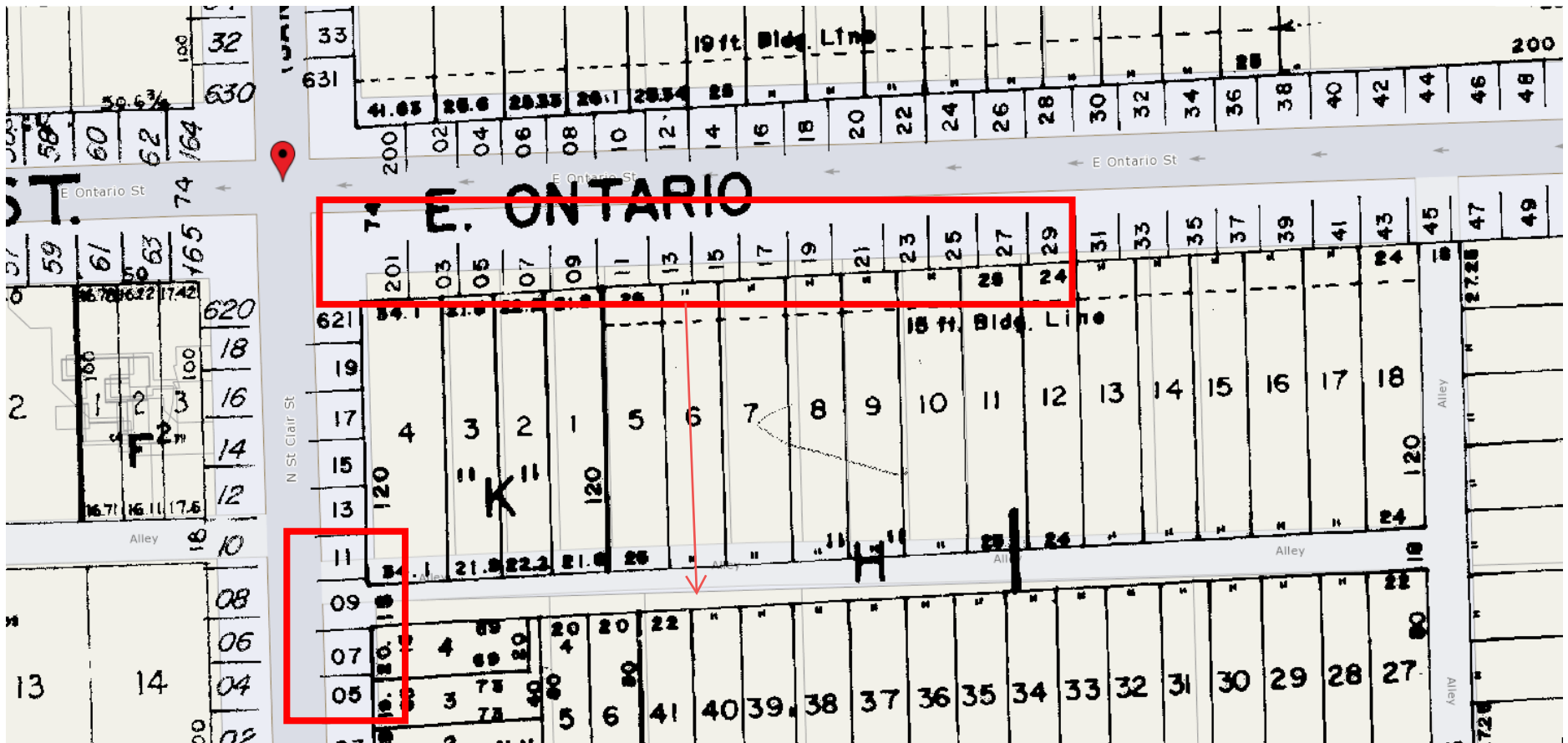
ADDRESS RANGE: 605-611 N St Clair St
201-229 E Ontario St (Rear Alley)

PLEASE ADD NO PARKING TO PERMIT

Please Add Beverly Asphalt to Permit



UT# A01YCGF



Please Post NO PARKING in Address Range

AERIAL MAP AND GAMMA RESULTS



Approximate location
of excavation within
the alley

- 1
- 2
- 3
- 4
- 5

Gamma Survey Results - AT&T

Survey Equipment

Location:	Alley south of 201-229 E. Ontario St., Chicago, IL
CDPH:	DOT1402413
Ludlum 2221 S/N:	172039
Cutoff (short cord):	6,933 cpm
Background:	2,990 cpm
Personnel:	Eric Sulita (AECOM)
Date of Screening:	1/15/2021

Survey Results

Area (See Map)	Depth below ground surface (inches)	Readings (cpm)
1	0-8	concrete
	8	1,950
	8-20	2,730
	20-34	2,960
	34	4,450
2	0-8	concrete
	8	2,280
	20	2,950
	34	5,000
3	0-8	concrete
	8	3,290
	18	4,050
	24	5,000
	34	5,230

Area (See Map)	Depth below ground surface (inches)	Readings (cpm)
4	0-8	concrete
	8	2,680
	8-20	3,120
	20-34	3,120
	34	4,450
5	0-8	concrete
	8	3,260
	20	3,800
	20-34	3,180