

December 8, 2020

Mr. Al Miranda
AT&T Illinois
2427 Union Street
Blue Island, Illinois 60406

RE: Radiological Survey of Right-of-Way Utility Excavation
Permit No.: DOT1385746
Permit Address: 201-229 East Ontario Street, Chicago, Illinois
AECOM Project No. 60163572

Dear Mr. Miranda:

Pursuant to conditions specified in a permit issued by the City of Chicago, radiation monitoring was required to be performed at the above referenced site. AECOM Technical Services, Inc. (AECOM) was contracted to conduct the required radiation monitoring on November 20, 2020. The monitoring was required to expose and repair an AT&T duct package to provide new fiber optic service to an existing building. The excavation was located in the alley between 201-229 E. Ontario Street. Refer to the drawing attached to the Chicago Department of Public Health (CDPH) form for the location.

After removal of the concrete and subgrade, most of the excavation was completed by hand. The fill was predominately sand around existing utilities. The excavation was a rectangle, with an east-west dimension of 8.5-feet and a north-south dimension of 5-feet. The maximum depth of the excavation was approximately 36-inches. Only the northern half of the excavation was exposed to 36-inches, to allow the entire AT&T duct package to be exposed. The southern half of the excavation was exposed to approximately 24-inches.

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 6,110 (S/N: 326726) counts per minute (cpm) shielded. The field instrument background gamma count for fill soil was 2,200 cpm. The background count was measured in a tree planter near the southeast corner of E. Ontario and N. St. Clair Streets.

The field gamma measurements within the excavation during the excavation process did not exceed the instrument threshold. The excavation gamma counts ranged from 1,700 to a maximum of 3,100 cpm. The subsurface stratigraphy was composed largely of sand. Based on field measurements conducted, 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 CDPH permit form with a location drawing and a sketch of the excavation with gamma results are included as attachments to this letter. As part of the CDPH conditions, a PDF copy of this letter has been forwarded to the CDPH and Verneta Simon (USEPA).

Permit No.: DOT1385746
Permit Address: 201-229 E. Ontario St.
Page 2

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

Regards,



Kyle Korczak
Geologist



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



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 be 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, 535 North Dearborn Street, 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

Today's Date: 11/9/2020 Expected Start Date: 11/18/2020 CDPH Approval / Date _____

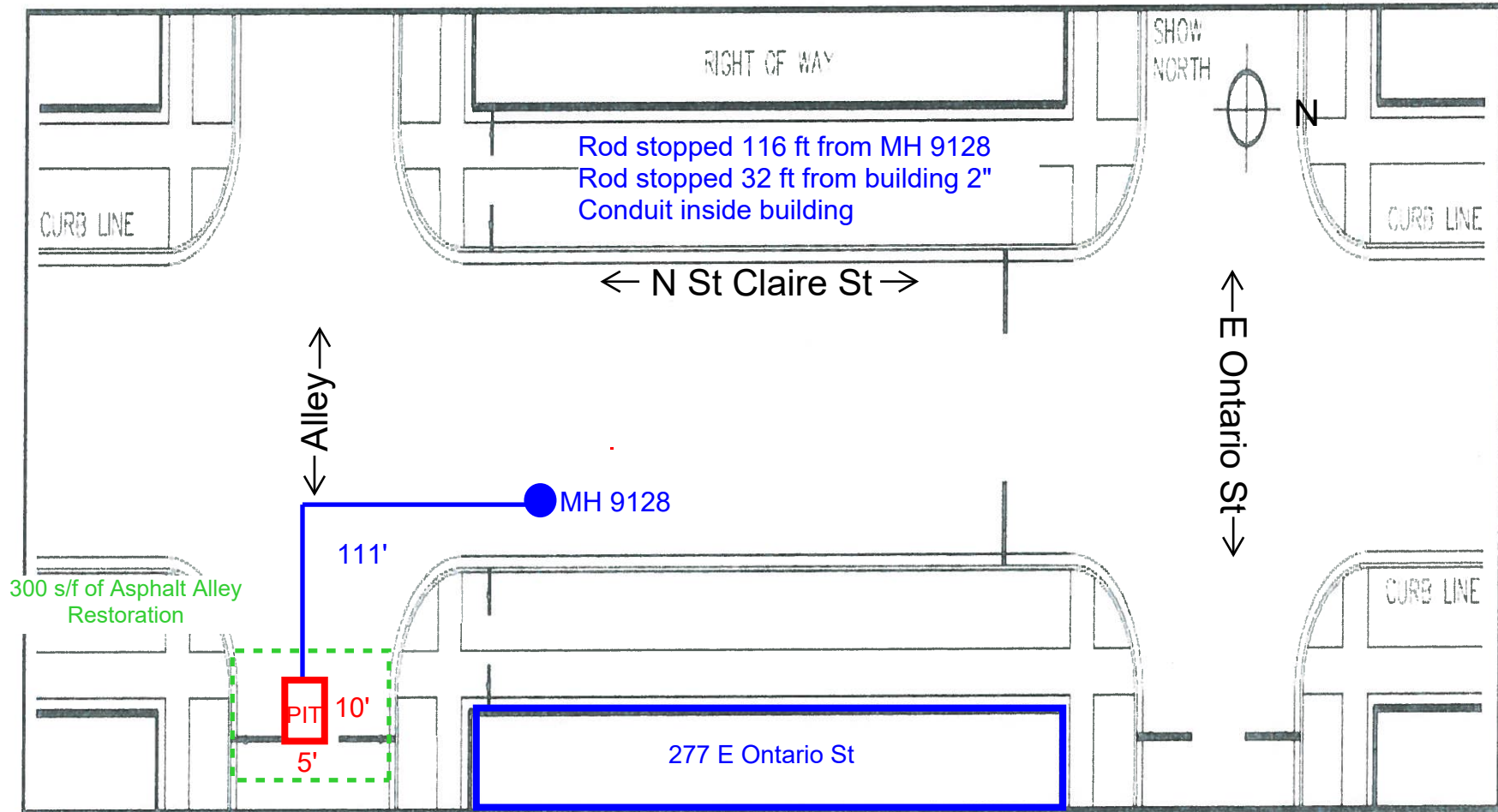
Please return this completed form to the Chicago Department of Transportation, Division of Infrastructure Management, Public Way Permit Office, City Hall – Room 905, 121 N. LaSalle St., Chicago, Illinois 60602 during normal business hours (8:30 AM - 4:30 PM, Monday through Friday)

For CDPH Use Only

SVA-20-534

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

UT# A01YCGF

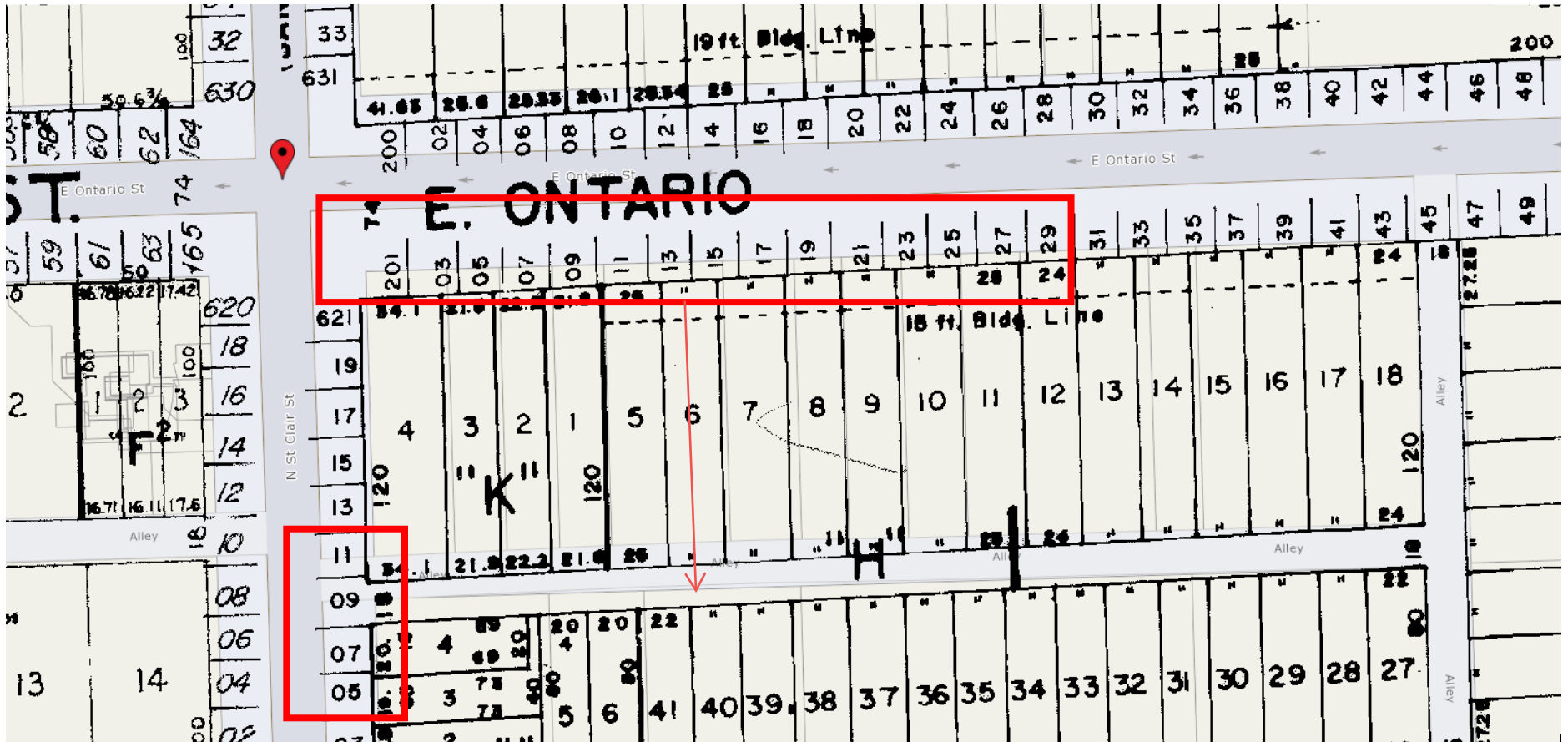


ADDRESS RANGE: 605-611 N St Clair St
201-229 E Ontario St (Rear Alley)

PLEASE ADD NO PARKING TO PERMIT

Please Add Beverly Asphalt to Permit

UT# A01YCGF



Please Post NO PARKING in Address Range

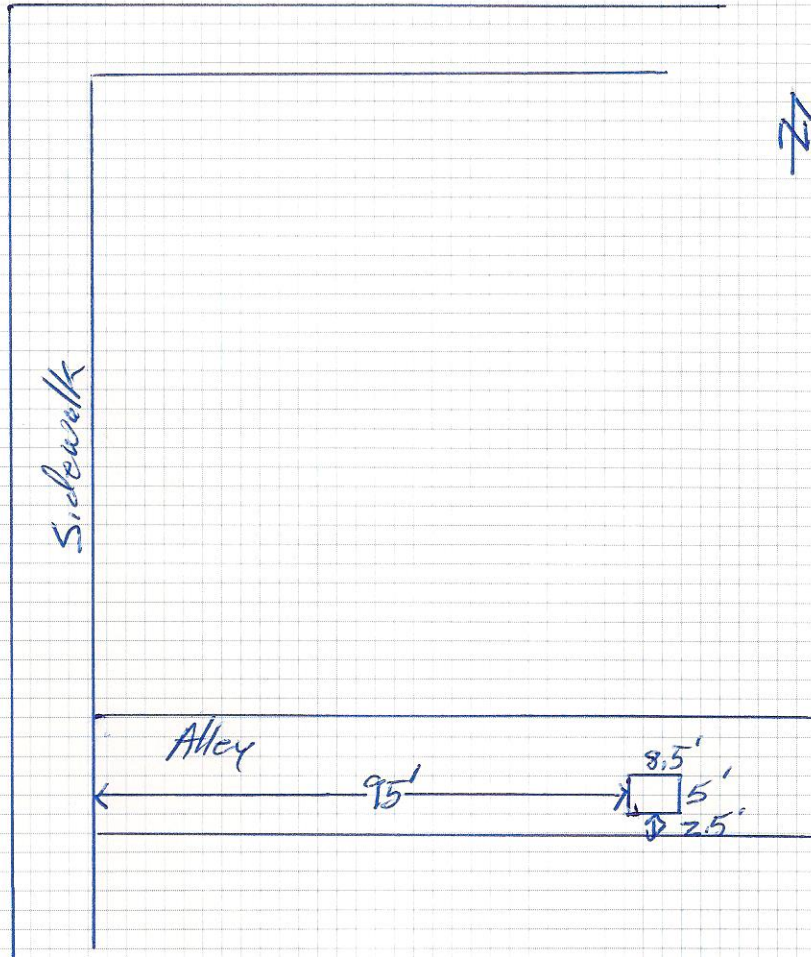
**SKETCH WITH
GAMMA RESULTS**

JOB TITLE AT&T 201-29 E Ontario
 JOB NO. 60/63572.9370 CALCULATION NO. —
 ORIGINATOR K Korczak DATE 12/7/20
 REVIEWER SK DATE 12/8/20
 SCALE not to scale SHEET NO. 1 OF 1

Survey Date: 11/20/20
 Surveyor: K. Korczak
 Ludlum S/N: 326726
 Shielded Cutoff: 6,110 cpm
 Background Count: 2,200 cpm

E. Ontario

N. St Clair



<u>Depth</u>	<u>Max Gamma (cpm)</u>
0-12"	Asphalt & concrete
12"	1,700 - 3,100
30"	2,100 - 2,800
36"	1,900 - 2,600