

November 14, 2018

Ms. Sandra Rubio
AT&T
2427 Union Street,
Blue Island, IL 60406

RE: Conduit Repair
Permit No.: DOT97319
Permit Address: 112-114 E. Ontario St., Chicago, Illinois
AECOM Project No. 60163572.9250

Dear Ms. Rubio:

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 on August 30 and October 26, 2018 for trench excavations to repair conduit.

Surveying was performed on the soil removed at 112-114 E. Ontario St. (refer to annotated drawing) required to address a conduit repair. The work consisted of multiple interconnected trenches approximately 60-feet west of the intersection of N. Michigan Ave. and E. Ontario St. The excavations were approximately 10 to 15-feet long, 5-feet wide, and excavated to 3.5 to 4-feet below ground surface (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 a shielded 2 x 2 inch NaI probe (Model 44-10). For the instrument used (S/N: 176944) the gamma count threshold indicative of the 7.1 pCi/g removal action level is 6,367 (August 30, 2018) and 6,182 (October 26, 2018) counts per minute (cpm) shielded. The instrument thresholds were different because the annual instrument recalibration was completed on October 15, 2018.

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 2,800 cpm shielded. The general subsurface stratigraphy was composed of urban fill and gravel. 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, annotated drawing and gamma results documenting the work performed are included as attachments.

As part of the permit conditions, a PDF copy of this letter has been emailed to:

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

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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 Geochemist

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

Attachments: Permit
Annotated Drawing and Gamma Results

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): MICHAEL McCARTHY Signature: Michael McCarthy

Site Address and Work Location (Describe exact site location and attach map):

IN THE NORTH CURB/TRAFFIC LANE OF 112-114 E. ONTARIO,

Nature of Work: EXCAVATE (1) 15'x5'x4 CONDUIT REPAIR PIT

Company Name, Address, Phone No.: AT&T, 225 W. RANDOLPH, 312.330.4808

General / Prime Contractor Name, Address, Phone No.: HYDRO EX INC., 3401 E. 15TH, GARY, IN

Include subcontractor information if applicable

Safety Officer / Phone No.: ROBERT BARRAUS, 219.922.9886

Radiation Contractor / Phone No. and email address (if applicable): AECOM

Check if City Department Work Department Name: _____

CDOT Permit No.: _____

Today's Date: 7/10/2018 Expected Start Date: 7/19/2018 CDPH Approval / Date: J. Sheehan 7-10-18

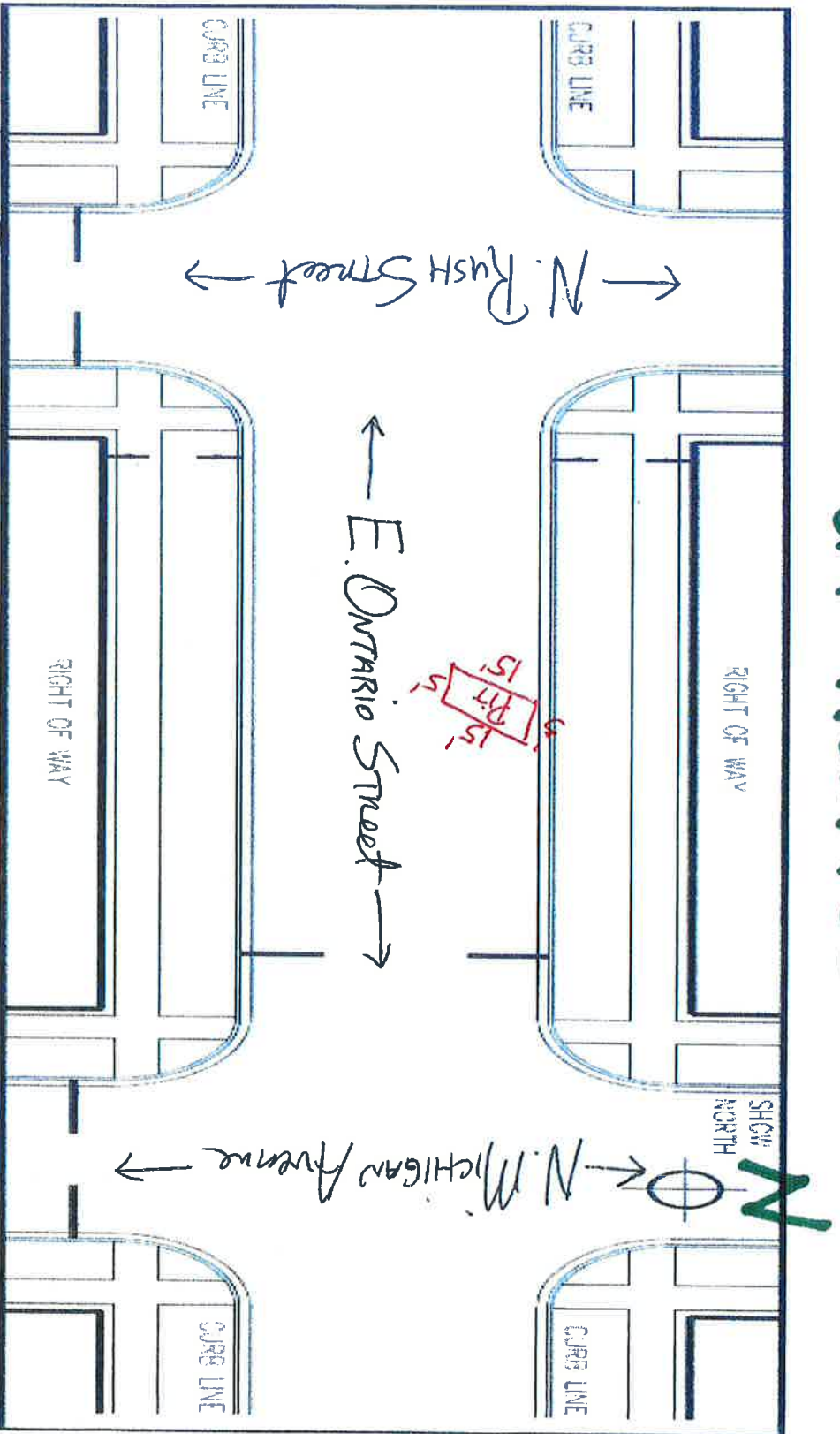
Please return this completed form to the Chicago Department of Transportation, Division of Infrastructure Management, Public Way Permit Office, City Hall - Room 905, 121 N. LaSalle St., Chicago, Illinois 60602 during normal business hours (8:30 AM - 4:30 PM, Monday through Friday)

For CDPH Use Only

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

Widths, and Work Zone Layout)

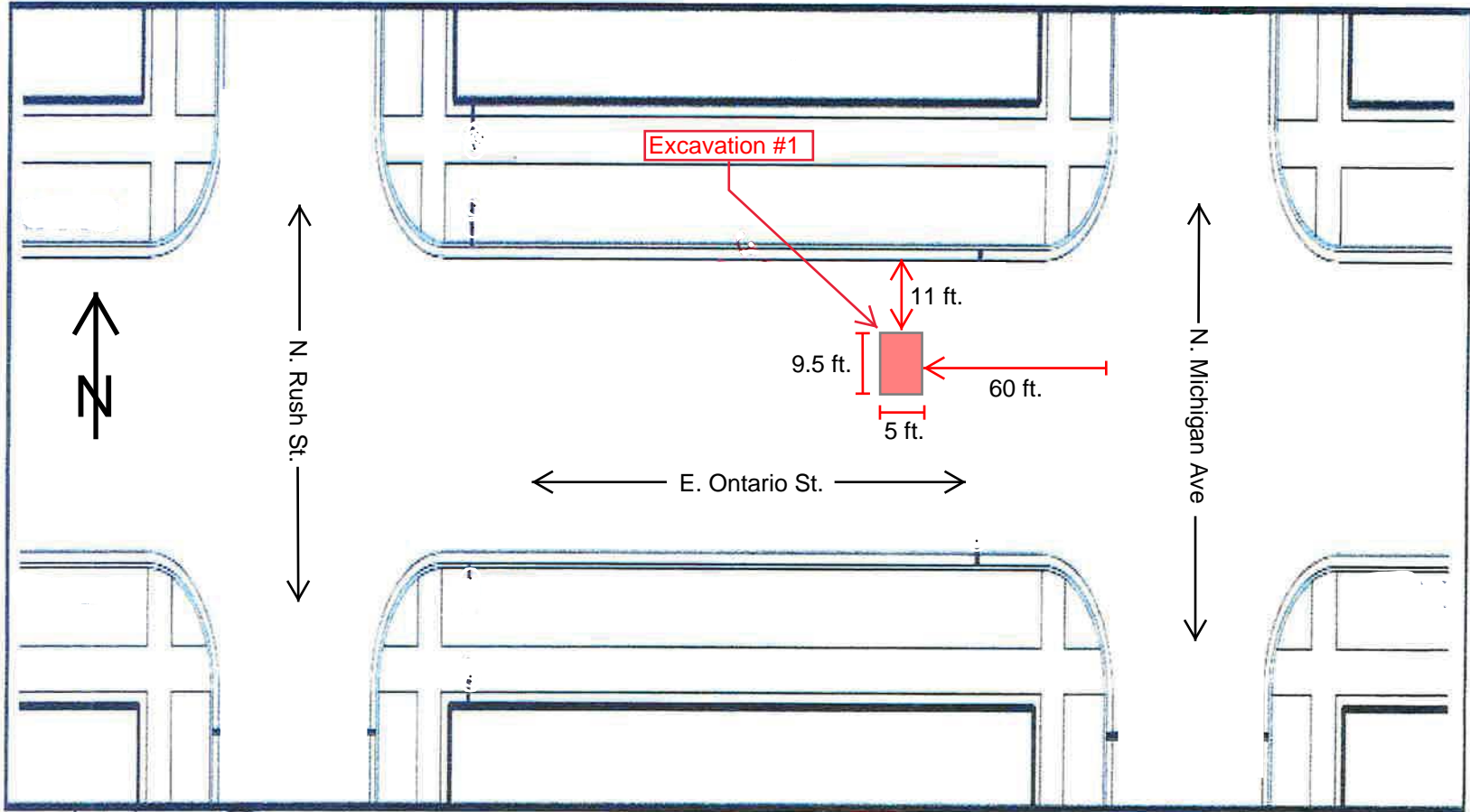
UT# A01A76B



Address Range: 108-114 E. Ontario Street

- * Please Post "No Parking" signs in the Address range.
- * Please Add Condi Asphalt to the permit.

ANNOTATED DRAWING



Survey Results
112-114 E. Ontario St.
People's Gas/Mead
DOT97319

Survey Equipment

Ludlum 2221 S/N:	176944
Probe 2x2 NaI S/N:	RN21187
shielded:	6,367/6,182 cpm
background:	-
Personnel:	K. Korzak
Date of Screening:	8/30/18, 10/26/18

Survey Results

Section	Depth (inches)	Readings (CPM)
1	0	concrete\asphalt
	12	1100 - 1700
	30	1500 - 2300
	42	1500 - 2800
2	0	concrete\asphalt
	12	1300 - 1800
	30	1300 - 2000
	48	1400 - 2300
3	0	concrete\asphalt
	12 - 48	1100 - 1900