



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

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

February 15, 2021

Mr. Hythaniel Marks  
AT&T  
4533 W Roscoe St.  
Chicago, IL 60641

RE: Streeterville Thorium Monitoring Results  
Permit No.: DOT1402409  
Permit Address: 402-40 E. Illinois Street  
AECOM Project No. 60163572.9390

Dear Mr. Marks:

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 February 12, 2021 for an excavation required to repair a blocked duct package at 402-440 E. Illinois Street in Chicago, Illinois (refer to map included with CDPH form).

Surveying was performed in a 9-foot long, 4-foot wide trench. The excavation was on E Illinois Street between N. McClurg Court and E. Peshtigo Court, approximately 250-feet east of McClurg Court, and approximately 5-feet south of the north curb. Refer to the maps attached to the CDPH form for the approximate location of the excavation. The trench was excavated to a depth of 36-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 (S/N: 326720). For the instrument used the gamma count threshold indicative of the 7.1 pCi/g removal action level is 7,020 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 4,487 cpm shielded. The field instrument background gamma count of nearby soils was measured at 2,850 cpm shielded. A copy of the CDPH form, annotated 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 Vernetta Simon (USEPA) to fulfill the requirements of the CDPH.

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Permit Address: 402-40 E. Illinois St., Chicago, IL  
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Please contact us with any questions you have regarding this letter or the reported results.

Regards,



Jennifer Bush  
Environmental Scientist I



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

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

Attachments: CDPH Permit  
Gamma Results and Annotated Map

**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 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, 512 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): 402 - 440 E. Illinois 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.: DOT1402409

Today's Date: 01/12/2021 Expected Start Date: 01/18/2021 CDPH Approval / Date ahmad nur 01/12/2021

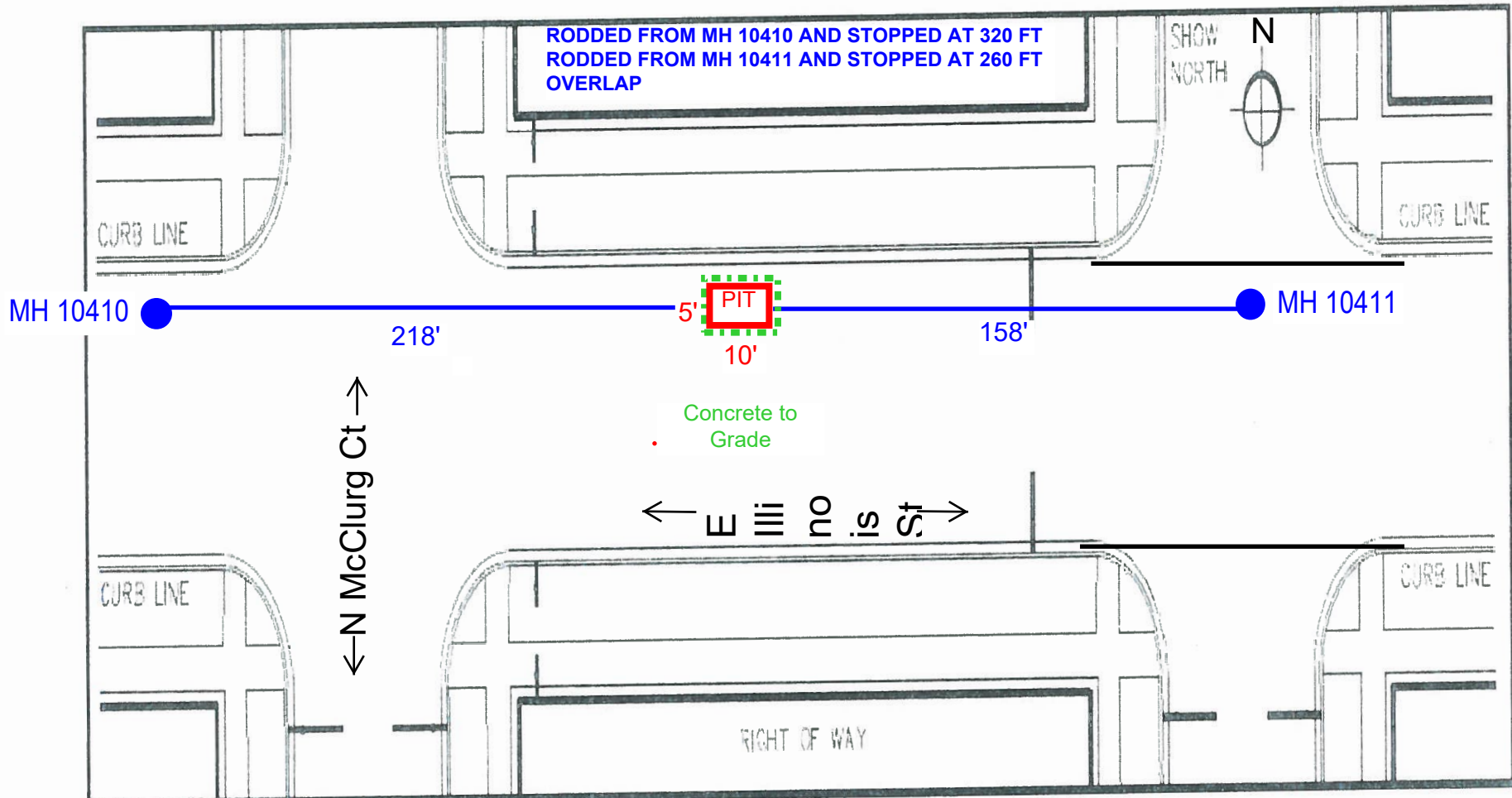
Please return this completed form to the Chicago Department of Transportation, Division of Infrastructure Management, Public Way Permit Office, City Hall - Room 905, 121 N. LaSalle St., Chicago, Illinois 60602 during normal business hours (8:30 AM - 4:30 PM, Monday through Friday)

For CDPH Use Only

# SVA-20-606

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

## UT# A01YL4T

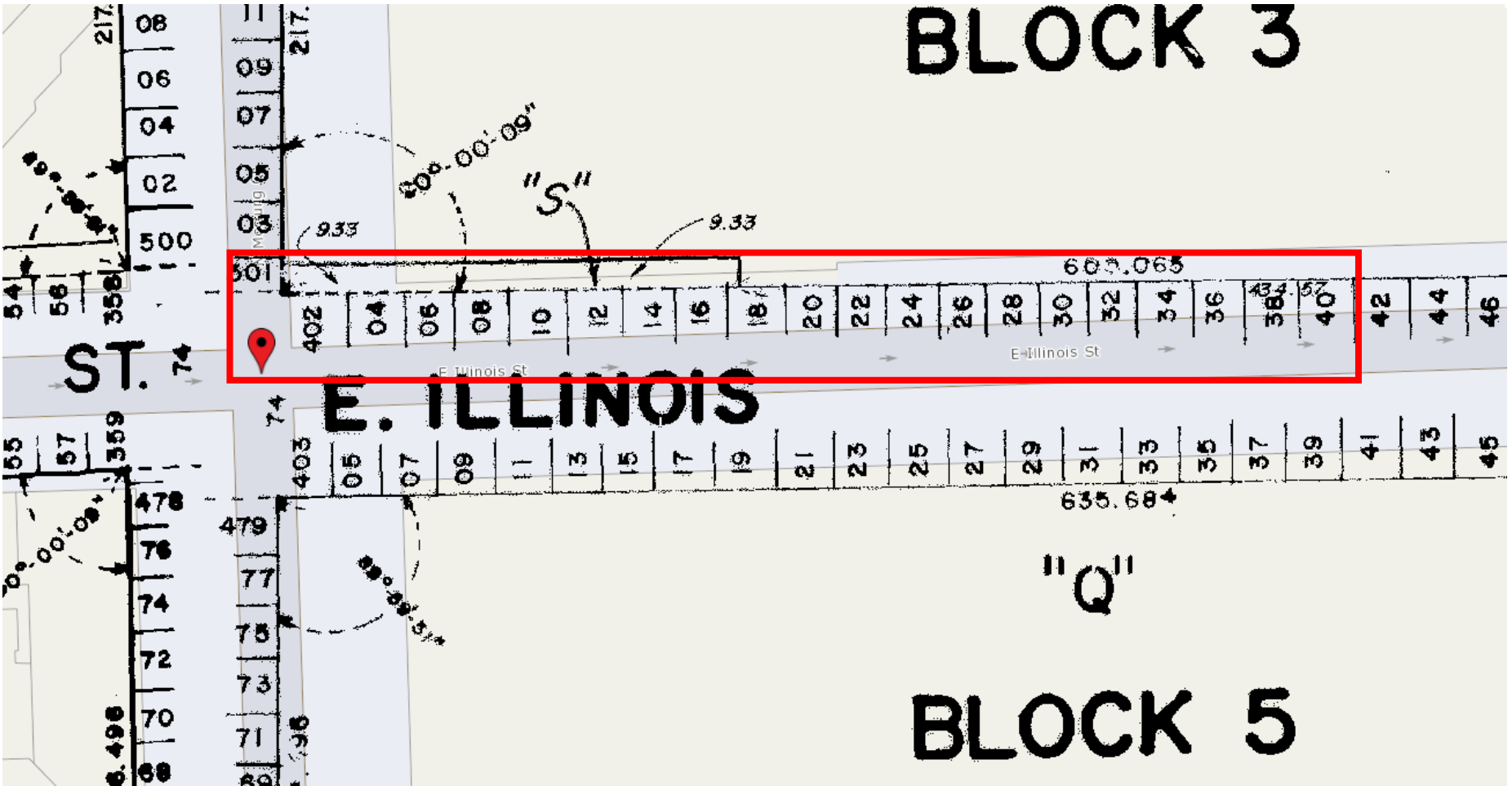


ADDRESS RANGE: 402-440 E Illinois St

\*Please Post NO PARKING in Address Range\*

\*Please Add Beverly Asphalt to Permit\*

# UT# A01YL4T



\*Please Post NO PARKING in Address Range\*

## **GAMMA RESULTS AND ANNOTATED MAP**



## Gamma Survey Results - AT&T

### Survey Equipment

Location:	402-440 E. Illinois St., Chicago, IL
CDPH:	DOT1402409
Ludlum 2221 S/N:	326720
Cutoff (short cord):	7,020 cpm
Background:	2,850 cpm
Personnel:	Jen Bush (AECOM)
Date of Screening:	2/12/2021

### Survey Results

Area (See Map)	Depth below ground surface (inches)	Readings (cpm)
1	0-8	concrete
	8-18	2,401
	18-24	2,917
	24-36	3,276
	36	4,487

