



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

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

November 19, 2021

Kareena Wasserman
Commonwealth Edison
Environmental Services Department
Two Lincoln Center, 7th Floor
Oakbrook Terrace, IL 60181

RE: Streeterville Thorium Monitoring Results
CDPH Permit No.: CDOT1607720
Permit Address: 300 E. Randolph Street, Chicago, Illinois
AECOM Project No. 60671492

Dear Ms. Wasserman:

Pursuant to conditions specified in the 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 November 8, 2021 for an excavation to expand a ComEd utility vault within the right of way (refer to map included with ROW form).

Surveying was performed within an excavation necessary to expand an existing ComEd utility vault near 300 E. Lower Randolph Street. Refer to the drawing attached to the CDPH ROW form for the approximate location of the excavation. The excavation was approximately 5-feet by 5-feet, excavated to a depth of 50-inches. Screening was performed on the fill within the excavation area in 18-inch vertical lifts.

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 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 7,000 (S/N: 172039) counts per minute (cpm) shielded utilizing a short cord.

Field gamma measurements within the openings did not exceed the instrument threshold previously stated and ranged from 1,704 cpm to a maximum reading of 3,307 cpm shielded. Although there was no exposed soil nearby to determine a background measurement, the background of nearby paved surfaces measured 1,507 cpm. 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 CDPH form, photographs, tabulated gamma results and an annotated drawing are included as attachments.

As part of the permit conditions, a PDF copy of this letter will be forwarded to Ahmad Nur and Terry Sheahan (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: Ahmad Nur, Chicago Department of Public Health
Terry Sheahan, Chicago Department of Public Health
Verneta Simon, USEPA

Attachments: CDPH Permit Form and Map
Photographs and Gamma 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 (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): Steve Kuczkowski Signature: Steve Kuczkowski

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

249-360 E RANDOLPH LOWER ST

Nature of Work: VAULT EXPANSION OF EXISTENT COMED VAULT PER PLANS // ALL IMPACTS TO SIDEWALK

Company Name, Address, Phone No.: ComED North, 3 Lincoln Center Oakbrook IL (312)394-3260

STEVE KUCZKOWSKI / (773)213-5900 / skuczkowski@nashbrothers.com

General / Prime Contractor Name, Address, Phone No. NASH BROTHERS CONSTRUCTION CO (773)762-1800 / 1840 S. KILBOURN AVE.

Include subcontractor information if applicable CHICAGO IL 60623-2306

Safety Officer / Phone No. Sara Baggett 312-307-1301 / sbaggett@nashbrothers.com

Radiation Contractor / Phone No. and email address (if applicable) AECOM / STS Consultants Steve Kornder 312-373-7700

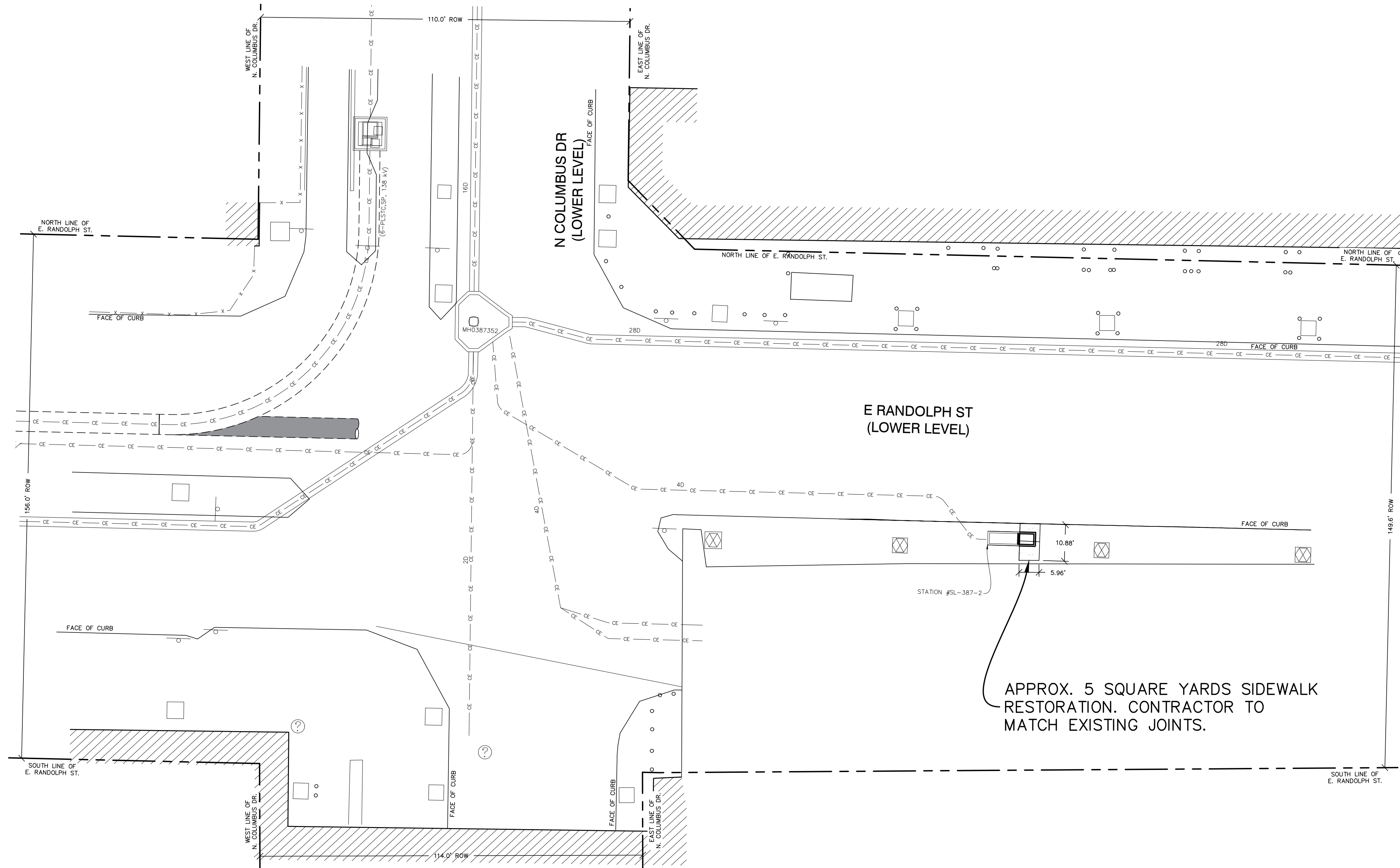
Check if City Department Work ☐ Department Name: _____

CDOT Permit No.: DOT1607720

Today's Date: 10/25/2021 Expected Start Date: 11/01/2021 CDPH Approval / Date Terry Sheahan **10/26/21**

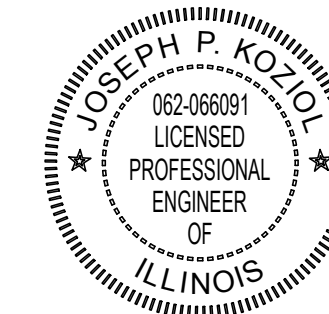
Please return this completed form to the Chicago Department of Transportation, Division of Infrastructure Management, Public Way Permit Office, City Hall – Room 905, 121 N. LaSalle St., Chicago, Illinois 60602 during normal business hours (8:30 AM - 4:30 PM, Monday through Friday)

For CDPH Use Only

CE-ST-1746
OUC#2021-110929

RESTORATION PLAN

SCALE: 1"= 20'

PROFESSIONAL ENGINEER
EXPIRES 11-30-2021*Joe Kozio*
SIGNATURE08-10-2021
DATE

| REV | DATE | DESCRIPTION | PHG | MRH | JKP |
|-----|----------|--------------------------|-----|-----|-----|
| A3 | 08/10/21 | ISSUED FOR CONSTRUCTION | PHG | MRH | JKP |
| A2 | 07/22/21 | REVISED PER DIM COMMENTS | PHG | MRH | JKP |
| A1 | 06/29/21 | ISSUED FOR APPROVAL | PHG | MRH | JKP |
| A0 | 06/28/21 | ISSUED FOR REVIEW | PHG | MRH | JKP |

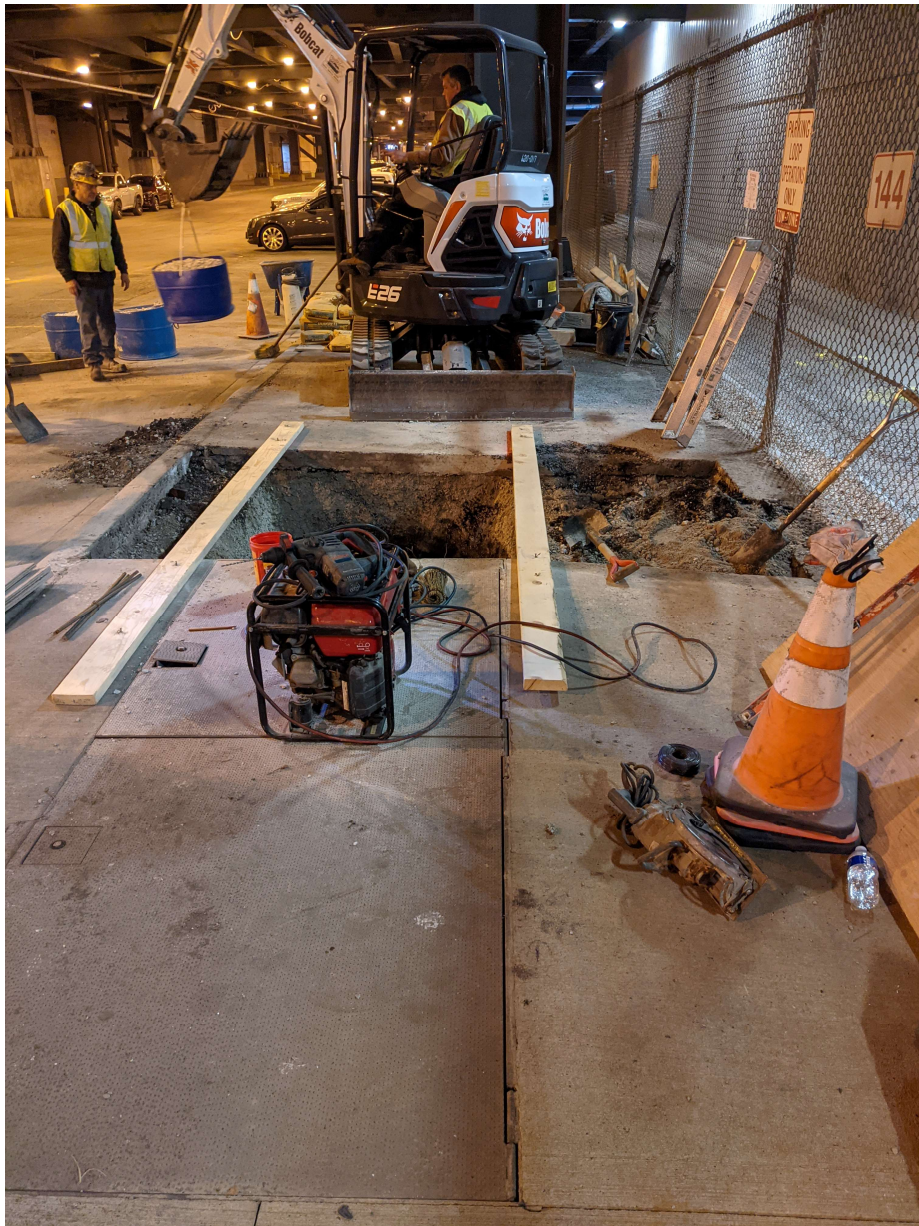
PREPARED REVIEWED APPROVED

hbk
ENGINEERINGHBK ENGINEERING, LLC
921 WEST VAN BUREN, SUITE 100
CHICAGO, IL 60607
PHONE: (312) 432-0076 FAX: (312) 432-0231
STATE OF ILLINOIS, DEPARTMENT OF PROFESSIONAL
REGULATION, LICENSE NO. 184-002308ANY MODIFICATION OR ADDITION TO
THIS DRAWING BY ANY ORGANIZATION
OTHER THAN HBK IS NOT THE
RESPONSIBILITY OF HBK

PROJ. No. 21-0840

| REV | DESCRIPTION | P.D. | P.E. | DATE |
|-------------------|---|------------------|--------------|------|
| | COMED DISTRIBUTION VAULT EXPANSION 300 E. RANDOLPH ST CHICAGO, ILLINOIS RESTORATION PLAN | | | |
| JK | 312-253-1800 | PHG | | |
| PROJECT ENGINEER | PHONE NO. | PROJECT DESIGNER | | |
| 06-28-21 | AS SHOWN | XXXXXXX | | |
| DATE | SCALE | P.L. NO. | PASSPORT W/O | |
| ComEd | UIC-03 | 4 OF 6 | PAGE | |
| Lines Engineering | DRAWING NO. | | | |

PHOTOGRAPHS AND GAMMA RESULTS



PICTURE 1: VIEW OF THE EXCAVATION LOOKING EAST ON LOWER RANDOLPH STREET



PICTURE 2: VIEW OF THE EXCAVATION AT 300 E. LOWER RANDOLPH STREET

Gamma Survey Results
ComEd - VistaGear

Survey Equipment

| | |
|--------------------|--------------------------------|
| Location: | 300 E. Lower Randolph Ave. |
| CDOT: | 1607720 |
| Ludlum 2221 S/N: | 172039 |
| Cutoff: | 7,000 cpm |
| Background: | (no exposed soil) 1,507 cpm |
| Personnel: | E. Sulita |
| Date of Screening: | 11/8/2021 |

Survey Results

| Excavation Area | Depth Below Ground Surface (inches) | Fill Description | Maximum Readings (cpm) |
|-----------------|-------------------------------------|--------------------------|------------------------|
| 1 | 0-4 | Sidewalk concrete | NA |
| | 4 | Clean gravel, CA6 | 1,704 |
| | 22 | Gravel w/ black ash fill | 2,555 |
| | 40 | Black ash fill | 2,888 |
| | 50 | Black ash fill | 3,307 |