



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

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

October 18, 2021

Mr. Mathew Ziegler  
AT&T  
4533 W Roscoe St.  
Chicago, IL 60641

RE: Streeterville Thorium Monitoring Results  
Permit No.: DOT1551132  
Permit Address: 303-08 N MacChesney Ct.,  
AECOM Project No. 60163572.9400

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 September 29, 2021 for an excavation required to repair a blocked duct package at 303-08 N. MacChesney Court, in Chicago, Illinois. Surveying was performed in a 15-foot long and 2.5 to 5-foot wide trench. The excavation depth was approximately 3-feet below ground surface (bgs). Refer to the map attached to the CDPH form for the location of the excavation.

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 7,140 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 2,150 cpm shielded. The excavation consisted of two areas both excavated to a depth of 3-feet bgs. The eastern 5 by 5-foot area had gamma counts ranging from 1,800 to 2,000 cpm. The second (western area) was 2.5-feet wide and 10-feet long and exhibited gamma counts between 1,400 to 2,150 cpm. The field instrument background gamma count of nearby soil was measured at 1,950 cpm shielded. A copy of the CDPH form 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 CDPH requirements.

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  
Gamma Results

**CDPH PERMIT FORM**



DEPARTMENT OF PUBLIC HEALTH  
CITY OF CHICAGO

FORM NO. CDPH.ROW.03 (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): Mathew Ziegler

Signature: Mathew Ziegler

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

303 - 308 N MacChesney Ct.

Nature of Work: Digging a trench to repair damaged duct for 300 N Michigan Ave

OPENING - TO INTERCEPT 2-MTD (FROM MH 291 (N MACCHESNEY CT @ E WACKER PL)) AND INSTALL 4" CONDUIT VIA (2) 4'X4' PITS AND (1) 24" TRENCH FROM THE EAST SIDE OF MACCHESNEY CT TO THE WEST SIDE MACCHESNEY CT AND INTERCEPT CUSTOMER DUCT.

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. (if applicable) Steve Kornder / 2625157700

Check if City Department Work ☐ Department Name:

CDOT Permit No.: DOT1594132

Today's Date: 9/22/2021

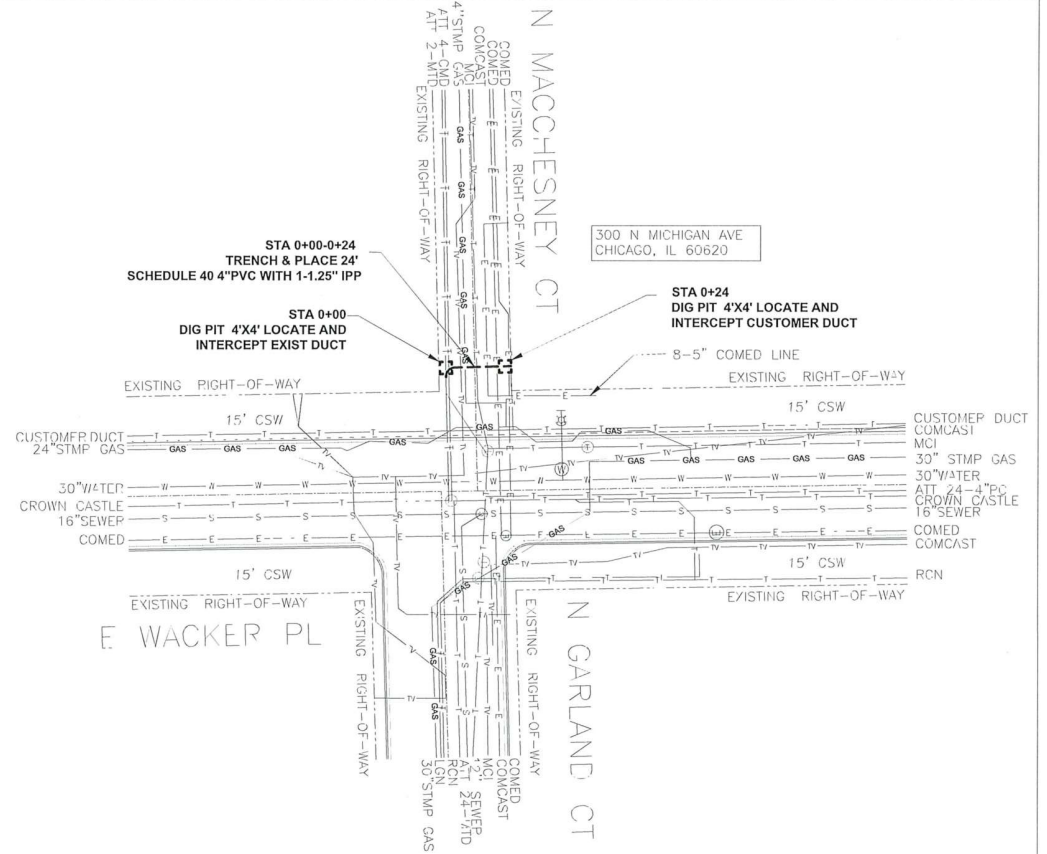
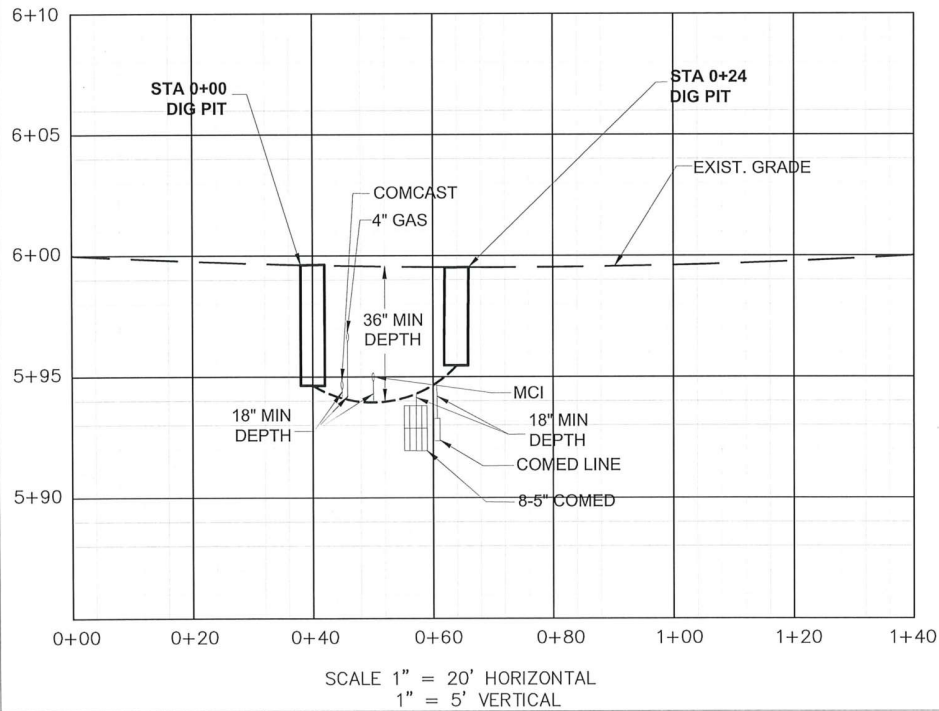
Expected Start Date: 9/27/21

CDPH Approval / Date ahmad nur 09/22/2021

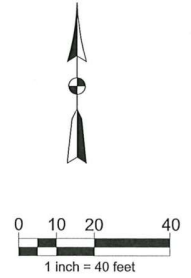
Please return this completed form to the Chicago Department of Transportation, Division of Infrastructure Management, Public Way Permit Office, City Hall - Room 905, 121 N. LaSalle St., Chicago, Illinois 60602 during normal business hours (8:30 AM - 4:30 PM, Monday through Friday)

For CDPH Use Only

PLAN/PROFILE



BRENT A. GRAYSON  
 062.070236  
 REGISTERED  
 PROFESSIONAL  
 ENGINEER  
 STATE OF ILLINOIS  
 9/16/2021  
 Exp. 11/30/2021



**CHC Consulting**  
 1845 W. Orangewood Ave., Suite 300  
 Orange, CA 92668  
 Tel: (949)259-0004 / Fax: (949)259-0006

MES JOB# - A0236PZ	DRAWN - A. SINGH
PLOT SCALE - 1"=40'	CHECKED - S. SINGH
PLOT DATE - 05/21/21	DATE - 05/21/21



AT&T  
 1000 COMMERCE DRIVE  
 OAKBROOK, ILLINOIS 60521

PROJECT: 300 N MICHIGAN AVE CHICAGO, IL AT&T#A0236PZ	TOTAL SHEETS: 04	SHEET NO.: 02
GROWING ENTITY: H11N305, CDOT		
CONTRACT NO.		

**TABULATED GAMMA RESULTS**

### Gamma Survey Results - AT&T

#### Survey Equipment

Location:	303-08 N MacChesney Ct., Chicago, IL
CDPH:	DOT1551132
Ludlum 2221 S/N:	326720
Cutoff (short cord):	7,140 cpm
Background:	1,950 cpm
Personnel:	Paul Hitch (AECOM)
Date of Screening:	9/29/2021

#### Survey Results

Area (refer to text)	Depth below ground surface (inches)	Maximum Gamma Reading (cpm)*
1	0-5	pavement
	5-18	1,950
	18-36	2,000
2	0-5	pavement
	5-18	2,000
	18-36	2,150

Notes:

\* - The table presents the maximum gamma reading for each lift. A range of gamma readings for each area is included in the text.