AECOM 955623 AECOM
303 E. Wacker Drive, Suite 1400
Chicago, Illinois 60606
312-939-1000 tel
312-939-4198 fax

April 9, 2020

Mr. Mike Lach
DJC Communication Inc.
2934 W Lake Street, Suite #100
Chicago IL 60612

RE: Streeterville Thorium Monitoring Results
Permit No.: DOT1213122
Permit Address: 355-400 E. Ohio St., Chicago, Illinois
AECOM Project No. 60625710.100

Dear Mr. Lach:

Pursuant to conditions specified in the permit 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 27 and 28, 2020 for a trench excavation associated with the installation of a fiber optic conduit across East Ohio St.

Surveying was performed within the E. Ohio St. excavation prior to the fill being removed. On the north side of E. Ohio St. the excavation was located approximately 114 feet west of the curb at the intersection of E. Ohio St. and N McClurg Ct. On the south side of E. Ohio St. the excavation terminated approximately 82-feet east of the N McClurg Ct. curb. Refer to the attached annotated drawing for the location of the excavation. As indicated, the excavation was conducted to install a new fiber optic conduit. The work consisted of a trench excavation approximately 2-feet wide and 82-feet in total length. The excavation was predominantly 36-52 inches except where it passed under several utilities and reached a maximum depth of 52-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 meters and an unshielded 2 x 2 inch NaI probes (Model 44-10). For the instrument used the gamma count threshold indicative of the 7.1 pCi/g removal action level was 6,620 (S/N: 172039) counts per minute (cpm) shielded. The field instrument fill soil background recorded in the vicinity of the excavation area was 1,866 cpm shielded.

The field gamma measurements within the trench during the excavation process did not exceed the instrument thresholds previously stated and ranged from a minimum of 1,277 cpm to a maximum of 4,124 cpm shielded. 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 documenting the area where work was performed, and the tabulated gamma results are included as attachments.

As part of the permit conditions, a PDF copy of this letter is being forwarded to 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,

Jennifer Nagle
Geologist

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

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

Attachments: CDPH Permit Form
Annotated Drawing and Gamma Results

CDPH PERMIT FORM

Gamma Survey Results
DJC - 345-400 E Ohio St.

Survey Equipment

Location:	345-400 E Ohio St.
CDPH Dig#:	DOT1213122
Ludlum 2221 S/N:	127039
Cutoff:	6,620 cpm
Background:	1,866 cpm
Personnel:	Jennifer Nagle, Kyle Korzcak
Date of Screening:	2/27&28/2020

Survey Results

Location	Depth (inches)	Readings (cpm)
1	0-15	concrete
	15-18	2,904
	18-36	3,812
	36-52	3,621
2	0-15	concrete
	15-18	1,861
	18-36	4,124
	36-52	3,763
3	0-15	concrete
	15-18	3,086
	18-36	3,680
	36-52	3,712
4	0-15	concrete
	15-18	2,836
	18-36	1,277
	36-52	2,146

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): Ajla Halilovic Signature: Ajla Halilovic Digitally signed by Ajla Halilovic Date: 2020.02.18 11:25:34 -06'00'

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

355 E Ohio

Nature of Work: fiber optic conduit installation

Company Name, Address, Phone No.: Comcast - Matthew Klopp (224-301-7256)

General / Prime Contractor Name, Address, Phone No.: DJC Communications - Mike Lach (773-663-1310)
Include subcontractor information if applicable)

Safety Officer / Phone No.

Radiation Contractor / Phone No. and email address (if applicable) AECOM (Steve Kornder 262-515-7700)

Check if City Department Work ☐ Department Name:

CDOT Permit No.: DOT1213122

Today's Date: 2/18/20 Expected Start Date: 2/24/20 CDPH Approval / Date J Shealan 2/18/20

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

COOK COUNTY
CHICAGO, ILLINOIS

PROJECT MANAGER: AJLA HALILOVIC

COMCAST

PROPOSED FIBER OPTIC CONDUIT INSTALLATION–CONNECTION TO 355 E OHIO ST CHICAGO, ILLINOIS

INDEX TO SHEETS

SHEETS	DESCRIPTION
1	TITLE, PROJECT BENCHMARK
2	GENERAL NOTES
3	LEGEND
4	PROJECT PLAN AND PROFILE VIEW
5	PAVEMENT RESTORATION PLAN
6-7	STANDARD CONSTRUCTION DETAILS
TC1-5	TRAFFIC CONTROL PLAN

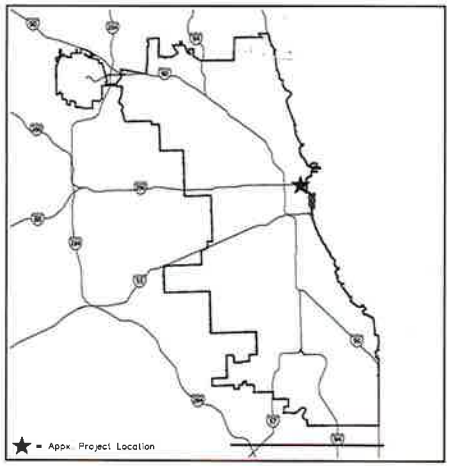
ENGINEER'S ESTIMATE OF MATERIALS

QUANTITY	ITEM
82	LINEAR FEET OF 4" PVC CONDUIT

METHODS OF CONSTRUCTION

QUANTITY	ITEM
82	LINEAR FEET OF OPEN CUT TRENCH

SITE LOCATION MAP



PROJECT LOCATION

BEFORE YOU DIG IN CHICAGO CALL

811 Chicago

PROJECT BENCHMARK

CITY OF CHICAGO BENCHMARK SITE 8 4' EAST OF THE EAST LINE OF NORTH MICHIGAN AVENUE TO THE WEST AND 19' SOUTH OF THE NORTH LINE OF EAST CHICAGO AVENUE ELEV = 12.905

NOTE:
ONLY PRINTS WITH A SIGNED SEAL ARE TO BE USED DURING CONSTRUCTION AND CONSIDERED OFFICIAL COPIES. THESE PLANS ARE NOT TRANSFERABLE.

KRISTEN M. MEEHAN
002-37497
LICENSED PROFESSIONAL ENGINEER OF ILLINOIS

PROFESSIONAL ENGINEER
EXPIRES 11-30-2021

SIGNATURE

2-17-2020
DATE

ENGINEER:
UTILITY INFRASTRUCTURE SOLUTIONS
hbk ENGINEERING
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. 184-002308

SEGMENT: CC-ST-470

NOTES:

ISSUED FOR CONSTRUCTION

ENGINEER:
hbk ENGINEERING
921 WEST VAN BUREN STREET, SUITE 100
CHICAGO, ILLINOIS 60607
STATE OF ILLINOIS DEPARTMENT OF PROFESSIONAL REGULATION.
LICENSE NO. 184-002308

OWNER/DEVELOPER:
COMCAST

CONTRACTOR:
DJC COMMUNICATION INC.
2934 W LAKE STREET SUITE#100
CHICAGO IL, 60612

TITLE:
FIBER OPTIC CONDUIT INSTALLATION - CONNECTION
355 E OHIO ST
CHICAGO, ILLINOIS

REVISIONS

REV	DATE	DESCRIPTION	BY
01	12-27-19	FOR OUC REVIEW	ESK
02	1-6-20	PER CTS	ESK
03	2-17-20	IFC	ESK

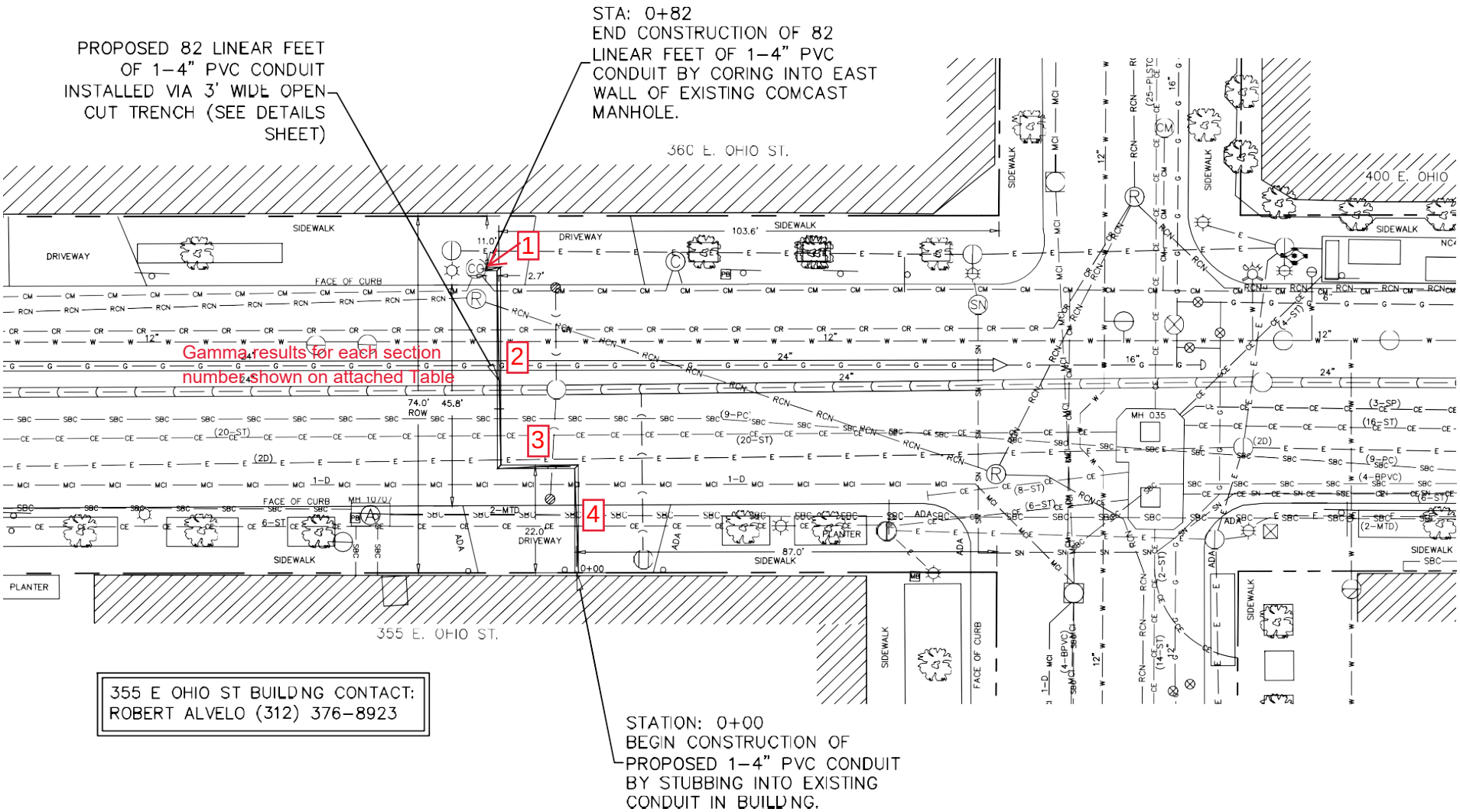
DRAWN BY:	CHECKED BY:	APPROVED BY:
ESK	KMM	KMM

PROJECT NUMBER:	19-1460
FILE NAME:	19-1460
DUC NUMBER:	EFP-101026
DATE DRAWN:	12-27-19
SCALE:	N.T.S.

SHEET: 1 OF: 7

ANNOTATED DRAWING AND GAMMA RESULTS

DOT1213122 345-400 E Ohio St.



355 E OHIO ST BUILDING CONTACT:
ROBERT ALVELO (312) 376-8923