



AECOM
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959014

July 13, 2020

Brad Jacobson
Kenny Construction Co.
2215 Sanders Road
Northbrook, IL 60062

RE: Radiological Survey of Infrastructural Excavations
Permit No.: Digger 600836903
Permit Address: 501-551 E Illinois Street, Chicago, Illinois
AECOM Project No. 60558002

Dear Mr. Jacobson:

Pursuant to conditions required by the United States Environmental Protection Agency (USEPA) and the City of Chicago Department of Public Health (CDPH), radiation surveying was required to be performed at the above referenced Site. AECOM Technical Services, Inc. (AECOM) provided the required radiation surveillance on June 18, 2020 for excavation related to the installation of a light pole foundation and trench excavation to install conduit for the Lakefront Bike Trail project. The excavation area was located beneath the northbound Lake Shore Drive exit ramp and bike trail flyover. The excavation was on the northern bank of Ogden Slip east of North Lake Shore Drive and immediately north of the paved Riverwalk. The activities included excavations for the installation of a light pole foundation and an associated conduit trench. A City Lights contractor excavated a trench 18 inches wide, 50 feet long to a depth of 24 inches below ground surface (bgs). The light pole foundation at the western end of the trench was approximately 6.5 feet deep.

The monitoring did not indicate that the fill soil results were above the removal action level established by the 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 Model 2221 survey meter and a shielded 2 x 2 inch NaI probe (Model 44-10). For the instrument used, the gamma count threshold equivalent to the 7.1 pCi/g removal action level was 6,620 (S/N: 172039) counts per minute (cpm) shielded. The field instrument gamma background for the area was measured at 1,747 cpm shielded.

The field gamma measurements within the excavations and of the spoil removed during the excavation process did not exceed the instruments threshold previously stated and ranged from a minimum of 1,703 cpm to a maximum of 3,867 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. An annotated drawing and a table with the survey readings has been included in the attachments.

As part of the permit conditions, a PDF copy of this letter will be forwarded to Terry Sheahan (CDPH) and Verneta Simon (USEPA) to fulfill the requirements of the CDPH.

Permit Address: Lakefront Bike Trail -
Ogden Slip North Bank Riverwalk Area
Page 2

Please contact us with any questions you have regarding this letter or the reported results.

Regards,



Jennifer Nagle
Environmental Scientist



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

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

Attachments: CDPH Private Property Form
Annotated Drawing and Results Table

CDPH Form



DEPARTMENT OF PUBLIC HEALTH
CITY OF CHICAGO

(STREETERVILLE - Private Property)

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.

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).

Please complete the following:

I have reviewed and understand the documents, maintained by CDPH, regarding environmental contamination of the site. Further, I will ensure that all work at the subject site, 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.

Applicant Name (print): Alex Ohlson Signature: Alex Ohlson

Site Address and Work Location (Describe exact site location and attach map): 501-551 E Illinois St

Private Property between Illinois St and Ogden Slip east of Lake Shore Dr

Nature of Work: Install Pole Foundation & Conduit

Company Name, Address, Phone No.: City Lights, Ltd. 9993 Virginia Ave Chicago Ridge, IL 60415 773-581-7110

General / Prime Contractor Name, Address, Phone No.: Kenny Construction Company 2215 Sanders Rd #400 Northbrook IL 60062 847-541-8200

Safety Officer / Phone No.

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

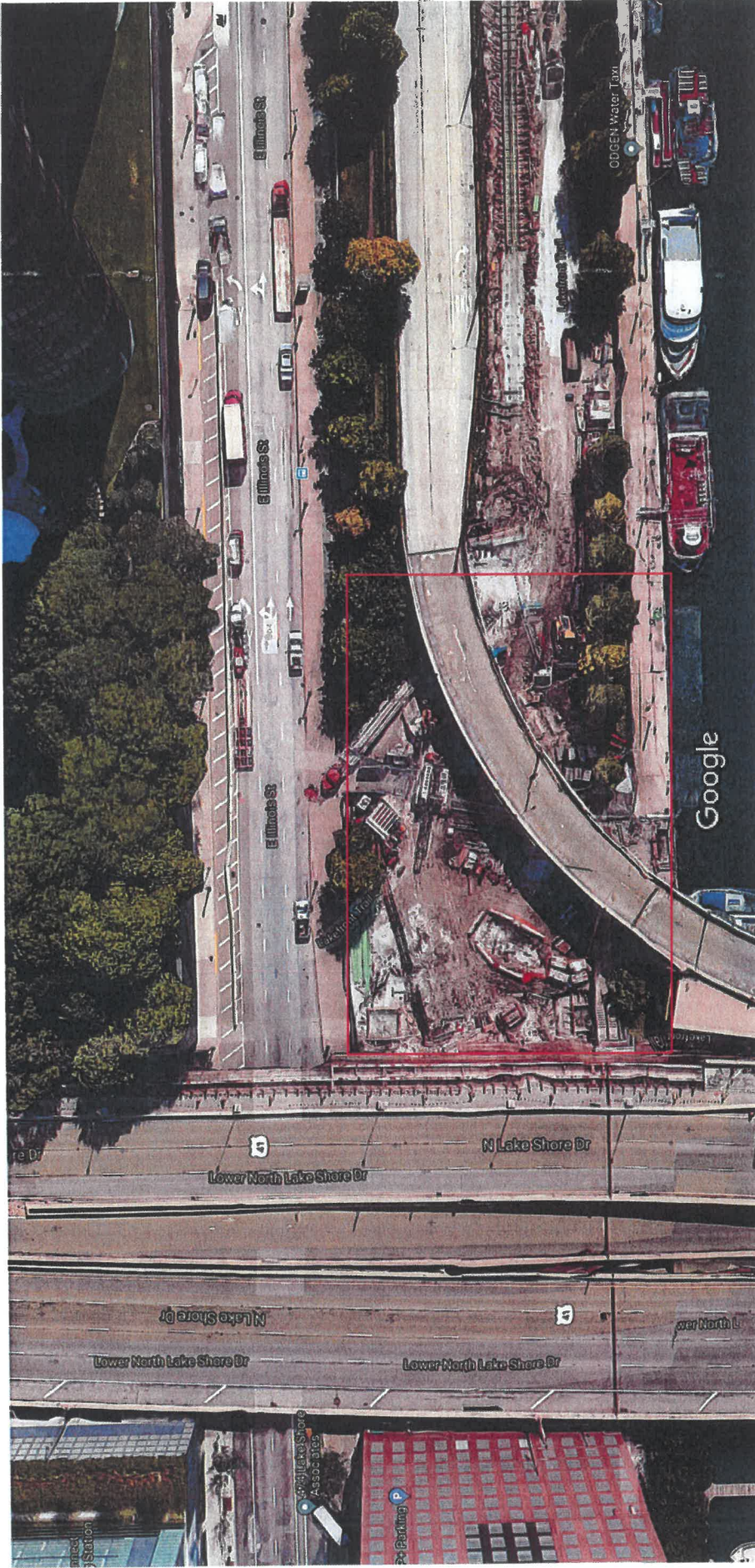
Check if City Department Work [] Department Name:

CDOT Permit No. or Developer Services No.: Dig Ticket 600836903

Today's Date: 6/2/20 Expected Start Date: 6/4/20 CDPH Approval / Date

Please return this completed form along with maps showing exact site location to CDPH at 333 S. State St., Room 200, Chicago, Illinois 60604 during normal business hours (8:30 AM - 4:30 PM, Monday through Friday)

For CDPH Use Only



Imagery ©2019 Google, Imagery ©2019 Maxar Technologies, Sanborn, U.S. Geological Survey, Map data ©2019 20 ft

ANNOTATED DRAWING AND RESULTS TABLE

APPROXIMATE LOCATION



Gamma Survey Results

Survey Equipment

Location:	North Side of Ogden Slip East of Lake Shore Dr.
CDPH:	600824745
Ludlum 2221 S/N:	172039
Cutoff (short cord):	6,620 cpm
Background (short cord):	1,747 cpm
Personnel:	J. Nagle
Date of Screening:	6/18/2020

Survey Results

Location	Depth (inches)	Maximum Readings (cpm)
0- 10 ft (Starting at East)	0-18	3,324
	18-24	3,867
10-20 ft	0-18	2,040
	18-24	3,125
20-30ft	0-18	2,477
	18-24	2,208
30-40 ft	0-18	1,924
	18-24	2,074
40-51 ft	0-18	1,931
	18-24	2,658
Light Pole Foundation (West End of Trench)	0-18	1,703
	18-24	2,486
	24-42	2,522
	42-60	2,974
	60-78	3,411