



AECOM
100 S. Wacker Drive, Suite 500
Chicago, Illinois 60606

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

December 12, 2017

Mr. Michael Herbert
Project Engineer, F.H. Paschen
5515 N. East River Road
Chicago, IL 60656

RE: Radiological Survey of Right-of-Way Utility Excavation
Permit No.: DOT863642
Permit Address: 500-59 E. Illinois St. and 500-91 E. Grand Ave.
AECOM Project No. 60318016

Dear Mr. Herbert:

Pursuant to conditions specified in a permit (see attached) issued by the City of Chicago, radiation monitoring was required to be performed at the above referenced site. AECOM Technical Services, Inc. (AECOM) provided the required radiation surveillance on October 27, 2017 for hand-auger excavations to install new sign posts. The permit also listed irrigation system installation south of E. Illinois Street near the corner with N. Lake Shore Drive. However, it was determined that the depth of excavation was less than 18-inches and work was within an area that had already been surface surveyed. Therefore, no further monitoring was necessary for the irrigation work.

Surveying was performed on the fill removed within Jane Addams Park (see sketch) required to install the three sign posts. The work consisted of three 12 inch diameter round excavations. The excavations were excavated to approximately 48 inches below ground surface (bgs).

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 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 7,293 (S/N: 326720) counts per minute (cpm) shielded.

The field gamma measurements within the excavation during the excavation process did not exceed the instrument threshold previously stated, and ranged from a minimum of 1,200 cpm to a maximum of 3,100 cpm shielded. The general subsurface stratigraphy was composed of urban fill. 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 and a field sketch documenting the area where work was performed, have been included as attachments.

As part of the permit conditions, this letter has been forwarded to:

Chicago Department of Public Health
Attention: Mr. Terry Sheahan
333 South State Street, Room 200
Chicago, Illinois 60604

Permit No.: DOT863642

Permit Address: 500-59 E. Illinois St. and 500-91 E. Grand Ave.

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

Regards,



Kyle Korczak
Geologist



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

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

Attachments: Permit
Sketch

PERMIT



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): MICHAEL HERBERT Signature: [Signature]

Site Address and Work Location (Describe exact site location and attach map): 500-559 E. ILLINOIS ST. (OGDEN SLIP),
500-591 E. GRAND AVE. (JANE ADDAMS PARK) + 441-549 N LOWELL LAKE SHORE DRIVE

Nature of Work: INSTALL NEW IRRADIATION + SIGNAGE FOUNDATIONS

Company Name, Address, Phone No.: F.H. PASCHON, S.N. NIELSEN + ASSOC. LLC 5515 N. EAST RIVER RD. CHICAGO, IL 60656
773-444-3474

General / Prime Contractor Name, Address, Phone No.: F.H. PASCHON, S.N. NIELSEN + ASSOC. LLC (SEE ABOVE)
Include subcontractor information if applicable

Safety Officer / Phone No.: NICOL BILSKI 773 444-3474

Radiation Contractor / Phone No. and email address (if applicable) AFROM TECHNICAL SERVICES, STEVE KONDAK 262-515-7700

Check if City Department Work Department Name: DEPARTMENT OF TRANSPORTATION

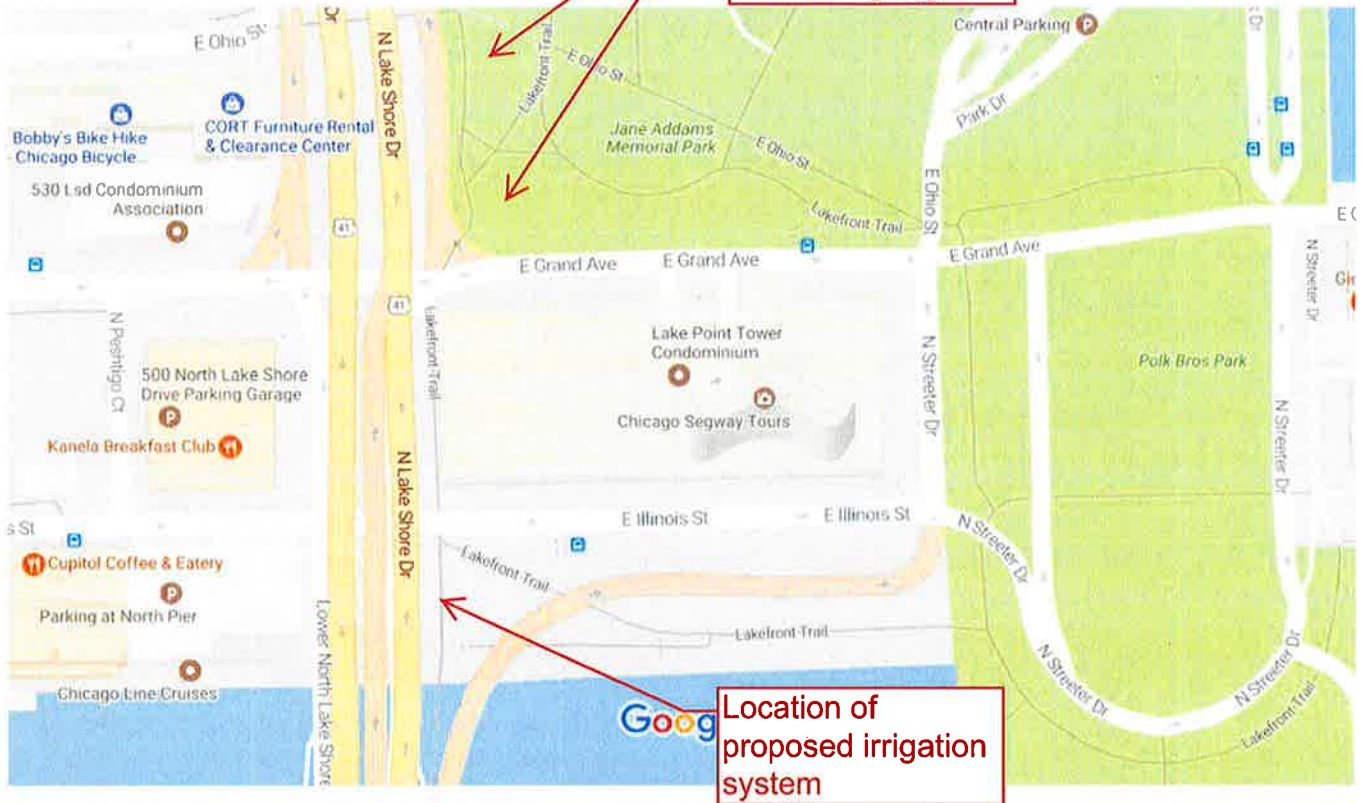
CDOT Permit No.: DOT 863642 + DOT 742170 (SUBSITE PERMIT)

Today's Date: 9/22/2017 Expected Start Date: 9/22/2017 CDPH Approval / Date: [Signature] 9-22-17

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

Location of proposed Park District Signage



Location of proposed irrigation system

SKETCH

5

Two holes, approximately 34" apart center to center, 3' off the sidewalk

Proposed location of double faced, single-post sign structure.

One excavation 3' off the stairs, and approximately 4' from the bike path.
Excavation 3 Depth 0-4'(spoil) CPM 1,200-2,100

Proposed location of Double-Post Sign Structure adjacent to Light Pole.

Excavation	Depth	CPM
1 (hole to the south)	Surface	1,700-2,400
	18"-4' (spoil)	1,600-2,100
2 (hole to the south)	Surface	1,700-3,100
	18"-4' (spoil)	1,600-2,100

- 0.0 = BRIDGE MOUNTED SIGN LOCATION
- 0.0 = GROUND MOUNTED SIGN LOCATION

NOTE: SIGN LOCATIONS SHOWN ARE APPROXIMATE. FINAL LOCATIONS SHALL BE DETERMINED ON SITE.

NO.	BY	DATE	DESCRIPTION
REVISIONS			
LAKEFRONT TRAIL IMPROVEMENT FROM JANE ADDAMS PARK TO OGDEN SLIP			
ENLARGED SIGN LOCATION PLAN SECTION 5			
CONSULTANT: E H P A Carol Vaughan + Associates, Inc. 213 West Madison Plaza, Suite 708 Chicago, Illinois 60610 312.851.2222 312.851.8309 FAX			
CITY OF CHICAGO			
DEPARTMENT OF TRANSPORTATION BUREAU OF BRIDGES & TRANSIT			
DRAWN	VM	SHEET NO.	WAY.06
CHECKED	CN		
APPROVED	CN		
DATE	01/23/2012		
SCALE	NTS	1 OF 24 SHEETS	
CONTRACT NO.	14515	PROJECT NO.	44567

