



AECOM  
303 E. Wacker Drive, Suite 1400  
Chicago, Illinois 60601

312-373-7700 tel

October 3, 2018

Mr. Michael Ferro  
Illinois Maintenance Facility Inc.  
6688 Joliet Rd.  
McCook, IL 60525

RE: Radiological Survey of Driveway Installations  
Permit No.: DOT949893  
Permit Address: 245 E. Ohio St. and 538 N. Fairbanks Ct., Chicago, Illinois  
AECOM Project No. 60584892

Dear Mr. Ferro:

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 September 19 and 20, 2018 for excavation related to an installation and repaving of driveways.

Surveying was performed within the excavation at two driveway locations along E. Ohio St. west of the intersection E. Ohio St. and N. Fairbanks Ct. The driveway further to the west was being repaved, while the other was being eliminated and converted to curb and sidewalk. A third driveway south of the same intersection along N. Fairbanks Ct. was also eliminated and converted to curb and sidewalk (refer to sketch). The activities included removal of existing concrete sidewalks and driveway as well as related curbs. The dimensions of all three driveways ranged between 20 to 25 feet wide, 10 to 15-feet long and excavated to approximately 6-inches below ground surface (bgs).

The monitoring did not indicate that the fill 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 thresholds indicative of the 7.1 pCi/g removal action level were 6,669 (S/N: 172039) shielded. The field instrument gamma background for the area was measured at 2,200 shielded. Although none were observed for this project, field gamma measurements greater than twice the field background represent potential anomalous results that require more cautious and frequent field screening, but are not necessarily indications of the presence of thorium contaminated fill soil.

The field gamma measurements within the excavations and for the spoil generated during the excavation process did not exceed the instruments threshold previously stated and ranged from a minimum of 1,200 cpm to a maximum of 5,000 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 sketch and table of the survey readings for each of the areas has been included in the attachments.

Permit Address: 245 E. Ohio St. and 538 N. Fairbanks Ct.  
Permit: CDOT949893  
Page 2

As part of the monitoring requirements a copy this letter has been forwarded to:

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

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

Regards,



Andrew Kozak  
Geologist



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

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

Attachments: CDPH Permits  
Annotated Drawing and Results Table

## PERMITS



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) 424-8801.

Applicant Name (print): Michael Ferro Signature: Michael Ferro

Site Address and Work Location (Describe exact site location and attach map): 245 East Ohio
2 West Driveways on Ohio 245 East and 251 East and South driveway on Fairbanks 538 North

Nature of Work: 245 E. Ohio Redoing the driveway, 251 E. Ohio converting to walkway, 538 N. Fairbanks converting to walkway.

Company Name, Address, Phone No.: Interpark Corporation 200 N. LaSalle Chicago, Ill 312-935-2800

General / Prime Contractor Name, Address, Phone No.: Illinois Facility Maintenance Inc. 6688 Joliet Road McCook, Il 60525
Include subcontractor information if applicable)

Safety Officer / Phone No. Cornell Jones 312-935-2800

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

Check if City Department Work [ ] Department Name:

CDOT Permit No.: DOT 949893

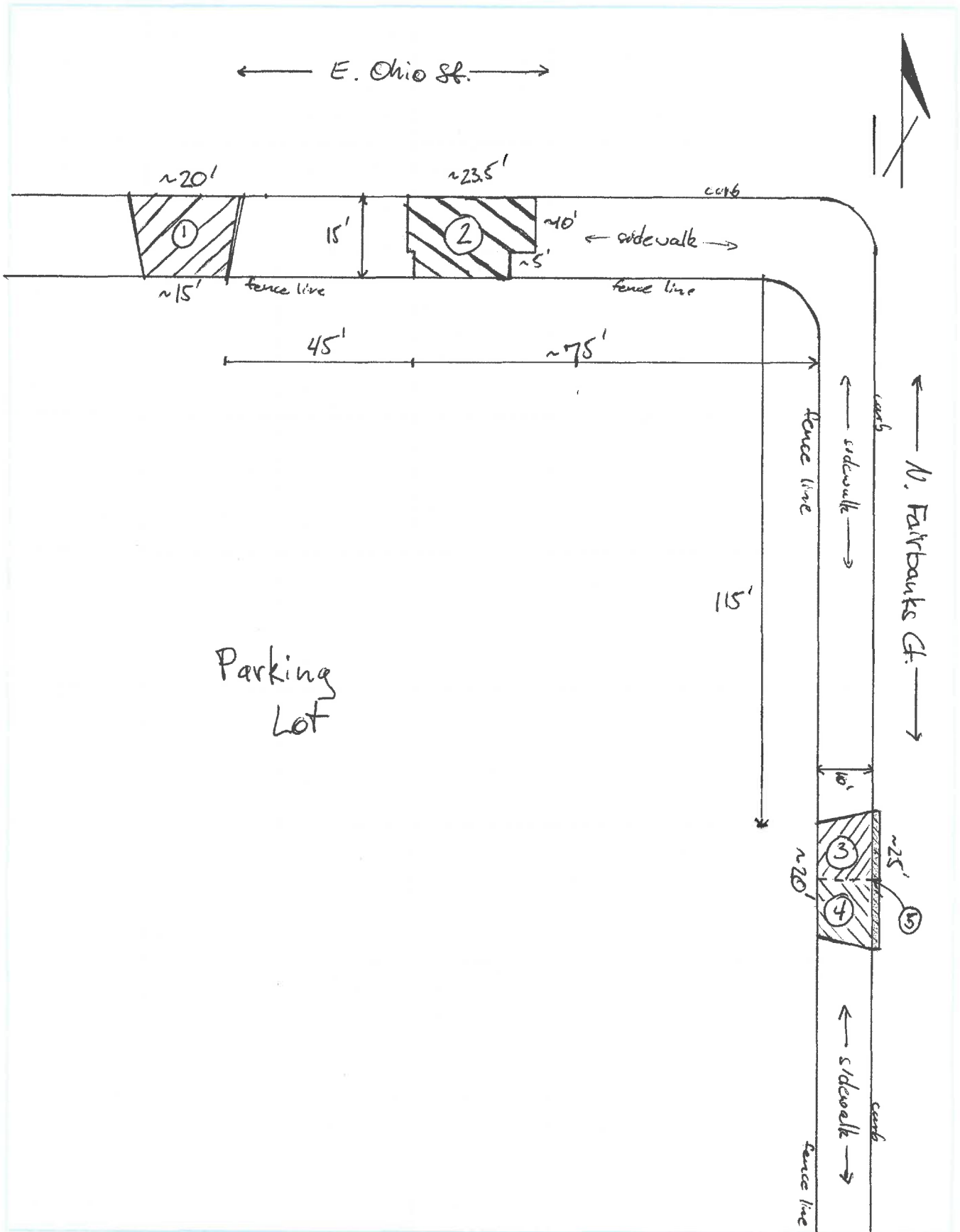
Today's Date: 07/29/18 Expected Start Date: ASAP CDPH Approval / Date [Signature] 8-1-18

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) \*\*\*\* Concrete Sub-Contractor is Pelozza Construction-Dave Pelozza 708-878-9600

For CDPH Use Only



## SKETCH AND RESULTS



**Gamma Survey Results**  
**245 E. Ohio St / 538 N. Fairbanks Ct.**  
**Illinois Facility Maintenance Inc.**  
**DOT949893**

**Survey Equipment**

Ludlum 2221 S/N:	172039
Probe 2x2 NaI S/N:	PR179406
shielded cutoff (long cable):	6,669 cpm
background:	2,200 cpm
Personnel:	D. Domino, E. Sulita
Date of Screening:	9/19/18, 9/20/18
Permit #:	DOT949893

**Survey Results**

Location	Depth (inches)	Readings (CPM)
1	0	concrete
	6	1700 - 5000
2	0	concrete
	6	2000 - 3100
3	0	concrete
	6	1200 - 1900
4	0	concrete
	6	1300 - 2100
5	0	concrete
	12	1300 - 2000