



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

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

October 14, 2016

Mr. Larry Koch  
Related Midwest  
350 W Hubbard, Suite 300  
Chicago, IL 60654

RE: Radiological Survey of Right-of-Way Excavation  
Permit No.: DOT706766  
Permit Address: 505 N. McClurg Ct. and 405 E. Grand Ave.  
AECOM Project No. 60442737

Dear Mr. Koch:

Pursuant to conditions specified in a permit (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 monitoring on September 29 and 30, 2016 for excavations to install Irrigation systems.

Surveying was conducted at the above referenced addresses (see sketch) during the trench excavation in the Right-of-Way (ROW). The work activities were composed of three excavations; one northeast of the intersection of E. Illinois St. and N. McClurg Ct., and two east of the intersection of E. Grand Ave and N. McClurg Ct. along the south side of E. Grand Ave. The two excavations along E. Grand Ave. were 60-feet and 17-feet long, 4.5 to 6.0-feet wide, to a depth of 0.5-feet below ground surface (bgs). The single excavation along N. McClurg Ct. was approximately 4-feet long, 2.5-feet wide to a depth of 1-foot 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 an unshielded 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 18,315 (S/N: 132844) counts per minute (cpm) unshielded.

The field gamma measurements within the excavation and of the spoil materials generated during the excavation process did not exceed the field instrument threshold equivalent to the USEPA removal action level and ranged from a minimum of 4,800 cpm to a maximum of 8,500 cpm unshielded. Thus, there was no indication of the presence of radiologically-contaminated fill soil and/or an exceedance of the USEPA removal action level of 7.1 pCi/g total radium.

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

Chicago Department of Public Health  
Attn: Ms. Rahmat Begum  
333 South State Street, Rm. 200  
Chicago, Illinois 60604

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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 Geoscientist

cc: Rahmat Begum, Chicago Department of Public Health  
Verneta Simon, USEPA

Attachments: CDOT 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): JONATHAN ELLIOTT Signature: [Signature]  
 Site Address and Work Location (Describe exact site location and attach map): 505 N McClurg Court  
and 405 E Grand Ave  
 Nature of Work: Removal of sidewalks, Irrigation install, replace sidewalks.  
 Company Name, Address, Phone No.: Abbey Paving, 1949 County Line Rd, Aurora, IL 630-585-7226  
 General / Prime Contractor Name, Address, Phone No.: Related Midwest, 350 W Hubbard Suite 300, Chicago, IL  
*Include subcontractor information if applicable* 812-274-3908  
 Safety Officer / Phone No. \_\_\_\_\_  
 Radiation Contractor / Phone No. and email address (if applicable) AECOM, 262-515-7700, Steve.Kornder@aecom.com

Check if City Department Work  Department Name: \_\_\_\_\_

CDOT Permit No.: DOT 706766  
 Today's Date: 9/19/16 Expected Start Date: 9/21/16 CDPH Approval / Date: J Sheehan 9-19-16

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**

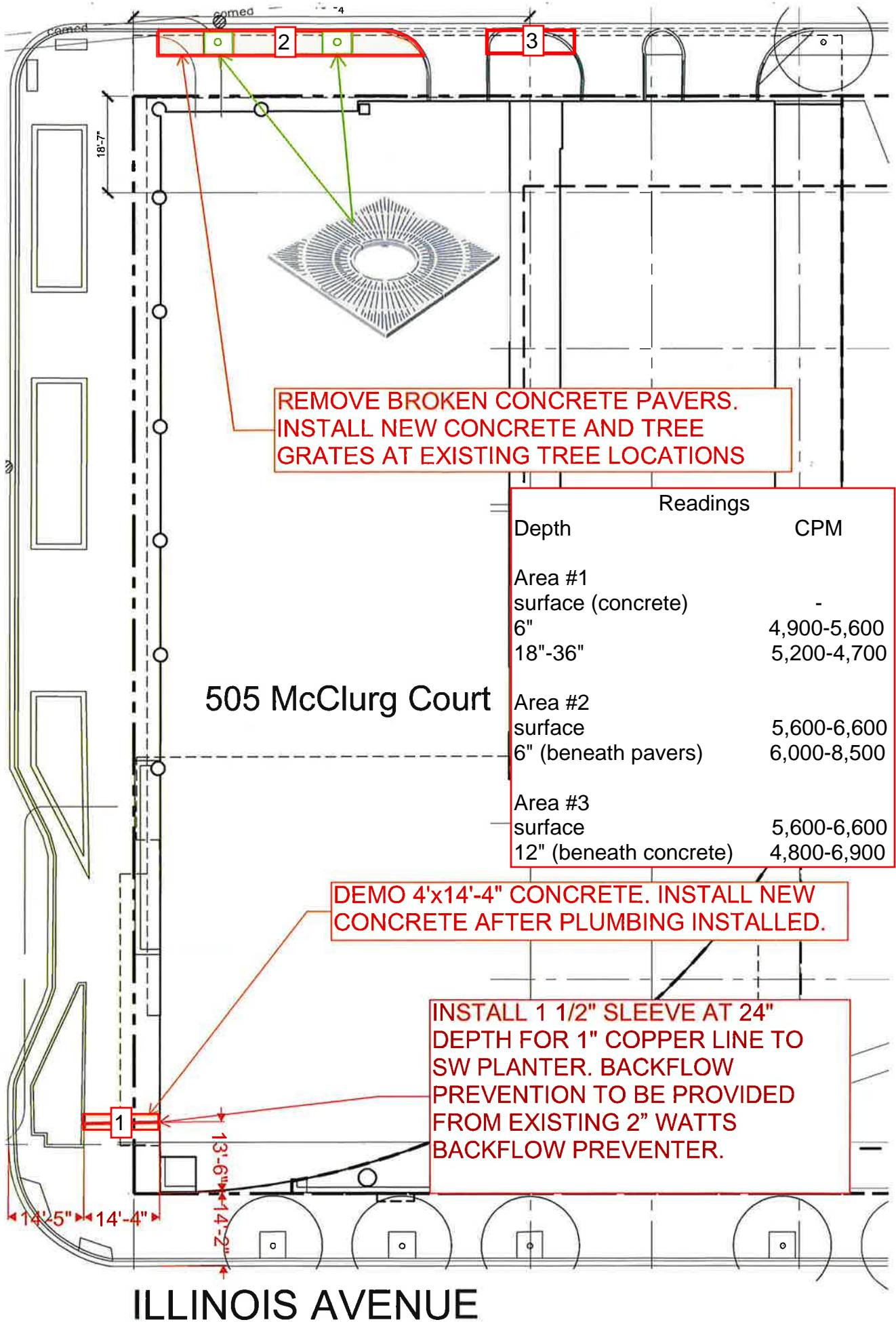
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## **SKETCH**

MCCLURG COURT



ILLINOIS AVENUE