



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

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

March 6, 2017

Mr. Christopher J. Seibel  
John Burns Construction Company  
17601 SW Highway, Orland Park, IL 60467

RE: Radiological Survey of Right-of-Way Utility Excavation  
Permit No.: DOT755401  
Permit Address: 482-490 N. McClurg Ct., Chicago, IL  
AECOM Project No. 60537484

Dear Mr. Seibel:

Pursuant to conditions specified in the 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 monitoring on February 21 and 22, 2017, to screen the exposed fill during trench excavation for a utility installation.

Gamma radiation surveying was conducted at the above referenced address during the concrete/asphalt removal and trench excavation in the sidewalk and roadway Right-of-Way (ROW). The excavation consisted of removal of existing concrete sidewalk, curb, and roadway as well as disturbance of the fill material during these activities. The work area is located along the east side of N. McClurg Ct., north of the intersection of E. Illinois St. and N. McClurg Ct. The work area was approximately 140-feet long, 3 to 7-feet wide, and disturbed fill to depths of 36 to 54-inches below ground surface (bgs).

The U.S. Environmental Protection Agency (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 made using a Ludlum Model 2221 survey meter and an unshielded 2 x 2 inch sodium iodide (NaI) probe Model 44-10. For the instrument used, the gamma count indicative of the USEPA removal action level of 7.1 pCi/g was 17,270 counts per minute (cpm) unshielded.

The field instrument gamma background for the area was measured at approximately 6,500 cpm unshielded. 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. Although none were observed for this project, gamma readings above the instrument threshold of 17,270 cpm would be considered a potential indication of the presence of radiologically contaminated fill soil.

In summary, the field gamma measurements within the excavation area 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 4,000 cpm to a maximum of 12,600 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.

To fulfill the requirement of the CPDH permit this letter has been forwarded via email to:

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

Permit No.: DOT755401  
Permit Address: 482-490 N. McClurg Ct.  
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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: Verneta Simon, USEPA  
Robert Wilson, Mobilitie

Attachments: CDPH 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): Robert Wilson, Mobilitie, LLC Signature: [Handwritten Signature]

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

482-490 N. McClurg Ct. (see attached Construction Drawings)

Nature of Work: Attach small cell wireless equipment to replacement light pole.

Company Name, Address, Phone No.: Mobilitie, LLC, 120 S. Riverside Plaza, Suite 1800, Chicago, IL, 60606, (312) 343-4882

General / Prime Contractor Name, Address, Phone No.: John Burns Construction Co., Chris Seibel, 17601 Southwest Hwy, Orland Park, IL, 60467, 708 326 3350 (office); 708 670 6733 (mobile)

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.: DOT755401

Today's Date: 1/30/2017 Expected Start Date: 2/10/2017 CDPH Approval / Date

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)

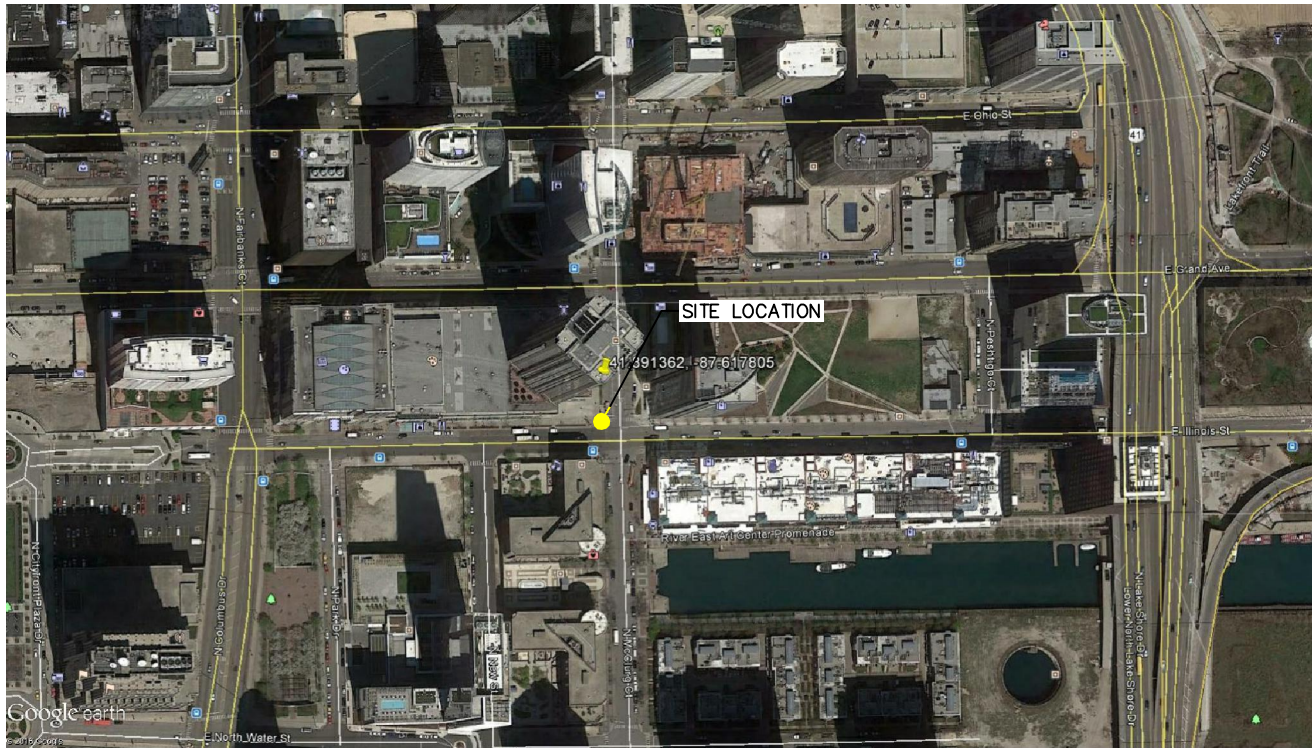
For CDPH Use Only



**EXHIBIT PHOTO**

SCALE: NOT TO SCALE

1



**AERIAL SITE LOCATION**

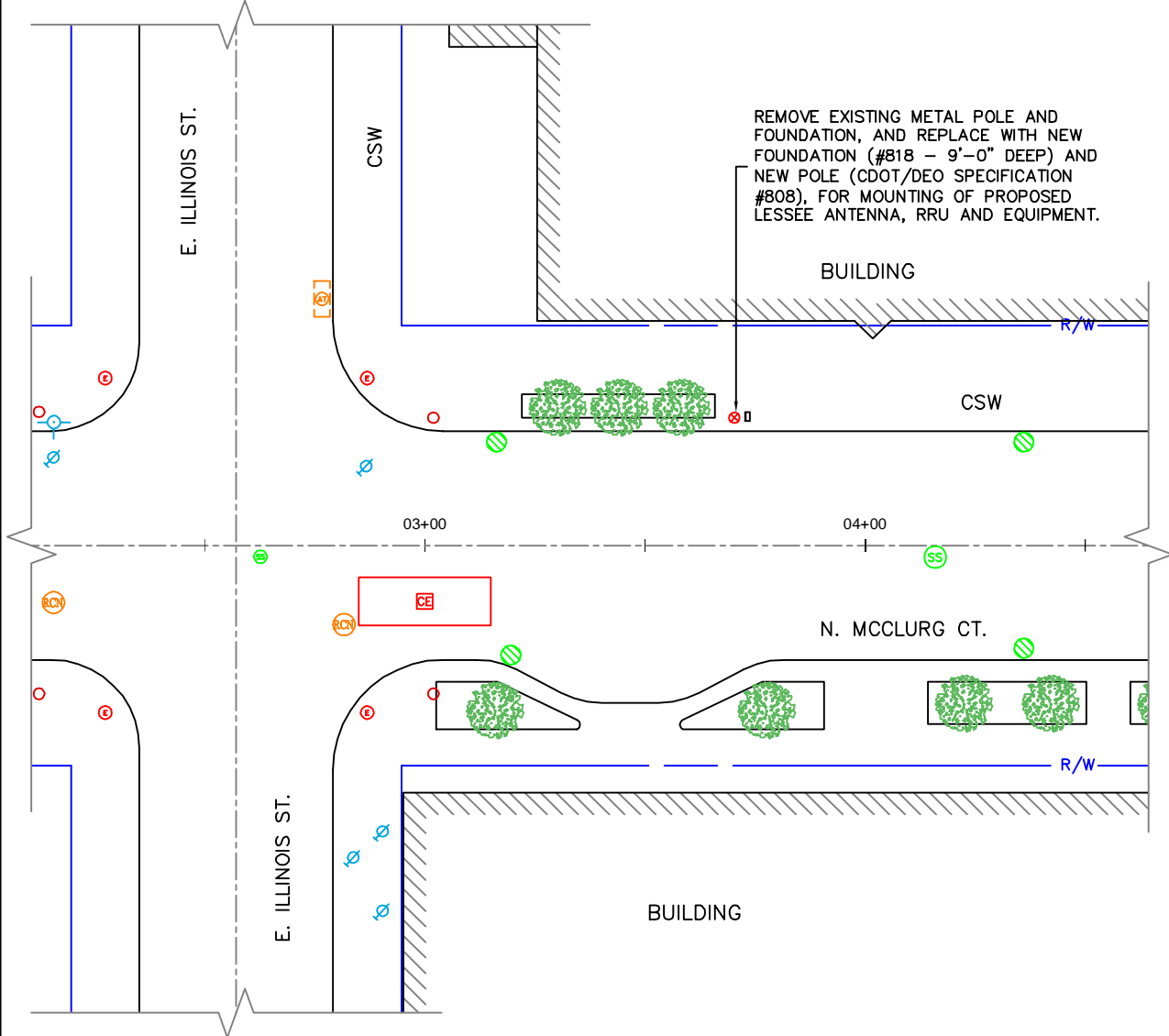
SCALE: NOT TO SCALE

2

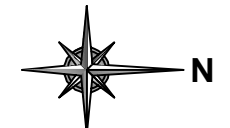
**NOTE:**  
THIS SITE PLAN WAS GENERATED WITHOUT THE USE OF A SURVEY. PROPERTY LINES, POWER & TELCO UTILITY PINT CONNECTIONS/ROUTES AND EASEMENTS SHOWN ON THESE PLANS ARE ESTIMATED.

**LEGEND**

EXISTING BUILDINGS	
EXISTING TREES	
EXISTING CURB	
PARKING/ROAD MARKINGS	



REMOVE EXISTING METAL POLE AND FOUNDATION, AND REPLACE WITH NEW FOUNDATION (#818 - 9'-0" DEEP) AND NEW POLE (CDOT/DEO SPECIFICATION #808), FOR MOUNTING OF PROPOSED LESSEE ANTENNA, RRU AND EQUIPMENT.



**ENLARGED SITE PLAN**

SCALE: 1" = 40'-0"

3



**PROFESSIONAL LICENSURE**



IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT

**REVISIONS**

BY	DESCRIPTION	DATE
TES	REV. B - ADD MISSING AT&T AND GAS LINE	10/11/16
TES	REV. C - WATER MAIN ISSUE RESOLVED	10/18/16
TES	REV. D - EXTENDED ASPHALT RESTORATION	11/03/16
TES	REV. F - NEW TRAFFIC CONTROL DETAILS	01/06/17

**PROJECT INFORMATION**

DRAWN BY:	TES
CHECKED BY:	TES
DATE:	06-20-2016
PROJECT #:	CH90XSA73 - 2016-045-006
TITLE:	482-490 N. MCCLURG CT.
SCALE:	PAGE: 1.0 OF: OSP-5.3



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**SKETCH**

