



AECOM
303 E. Wacker Drive, Suite 900
Chicago, Illinois 60601

312-938-0300 tel
312-938-1109 fax

March 1, 2012

Ms. Michele Pisterzi
AT&T Illinois
2427 Union Street
Blue Island, Illinois 60406

RE: Radiological Survey of Right-of-Way Utility Excavation
Permit No.: 252478384
Permit Address: 441 E. Ontario St.
AECOM Project No. 60163572

Dear Ms. Pisterzi:

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 monitoring between the days of February 8, 2012 and February 10, 2012 for trench excavations to install a telephone communications service package.

Surveying was conducted in 18-inch lifts for soils removed from an approximately 2-foot wide by 57-foot long trench excavation to depths ranging between 24 and 48-inches in the Right of Way (See Sketch), required for the installation of a telephone communications service package. The monitoring revealed no indication of soils above the specified clean-up threshold established by the U.S. Environmental Protection Agency (USEPA) for the Streeterville area of Chicago. The USEPA cleanup threshold 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 NaI probe (Model 44-10). For the instrument used, the gamma count indicative of the 7.1 pCi/g threshold was 19,969 counts per minute (cpm) unshielded (7,127 cpm shielded). The field gamma background for the area was measured at approximately 6,400 cpm unshielded. The field gamma measurements within the excavation and the spoil materials generated during the excavation process did not exceed the respective threshold value previously stated and ranged from a minimum of 7,200 cpm to a maximum of 15,000 cpm unshielded. Thus, there was no indication of the presence of radiologically-contaminated material and/or an exceedance of the USEPA cleanup threshold of 7.1 pCi/g total radium.

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

Chicago Department of Environment
Attention: Ms. Rahmat Begum
30 North LaSalle Street, 2nd Floor
Chicago, Illinois 60602

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

Regards,

Brian R. Schmidt
Project Scientist II

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

cc: Rahmat Begum, Chicago Department of Environment
Verneta Simon, USEPA

Attachments: Permit
Sketch



Jan 17
Feb 6
312 744 3162

Radioactive

CITY OF CHICAGO DEPARTMENT OF ENVIRONMENT
FORM NO. DOE.ROW.01

City of Chicago
Richard M. Daley, Mayor

Department of Environment

Twenty-fifth Floor
30 North LaSalle Street
Chicago, Illinois 60602-2575
(312) 744-7606 (Voice)
(312) 744-6451 (FAX)
(312) 744-3586 (TTY)

http://www.cityofchicago.org

Notice is hereby given that the site you have requested information on is recorded with the City of Chicago Department of Environment 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 the Department of Environment at 30 N. LaSalle St., 25th Floor Chicago, Illinois 60602 during normal business hours (8:30 AM - 4:30 PM, Monday through Friday). Contact Rhamat Begum at (312) 744-3152 for an appointment. This file must be reviewed and the remainder of this form completed before the permit can be issued. 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 the Department of Environment, 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 Department of Environment 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 (800) 424-8802.

Permit No. 6252478384

Date 1-25-12

Site Address 441-444 E. OHIO

Work Location (describe exact site location)

Dig 1-8'x4' opening in
south curb in Trench approx
39'x3'x3' across curb traffic
in Trench approx 14'x3'x3'
Nature of Work in Sidewalk
To Place conduit
for northwest
memorial Hospital
Restore to COOT
STANDARDS

Signature Lisa McClymont
Name (print) Lisa McClymont
Company AteT
Address 2427 Union Blue Island
Phone No. 312-977-7556

Prime Contractor/Contact Qualco - Joe Gorland
Address 1840 S. Kilbourn Chicago IL 60623
Phone 773-542-1530

Safety Officer/Phone Steve Kornder - 847-279-2500
Radiation Contractor/
Phone (if applicable) AECOM 847-279-2500

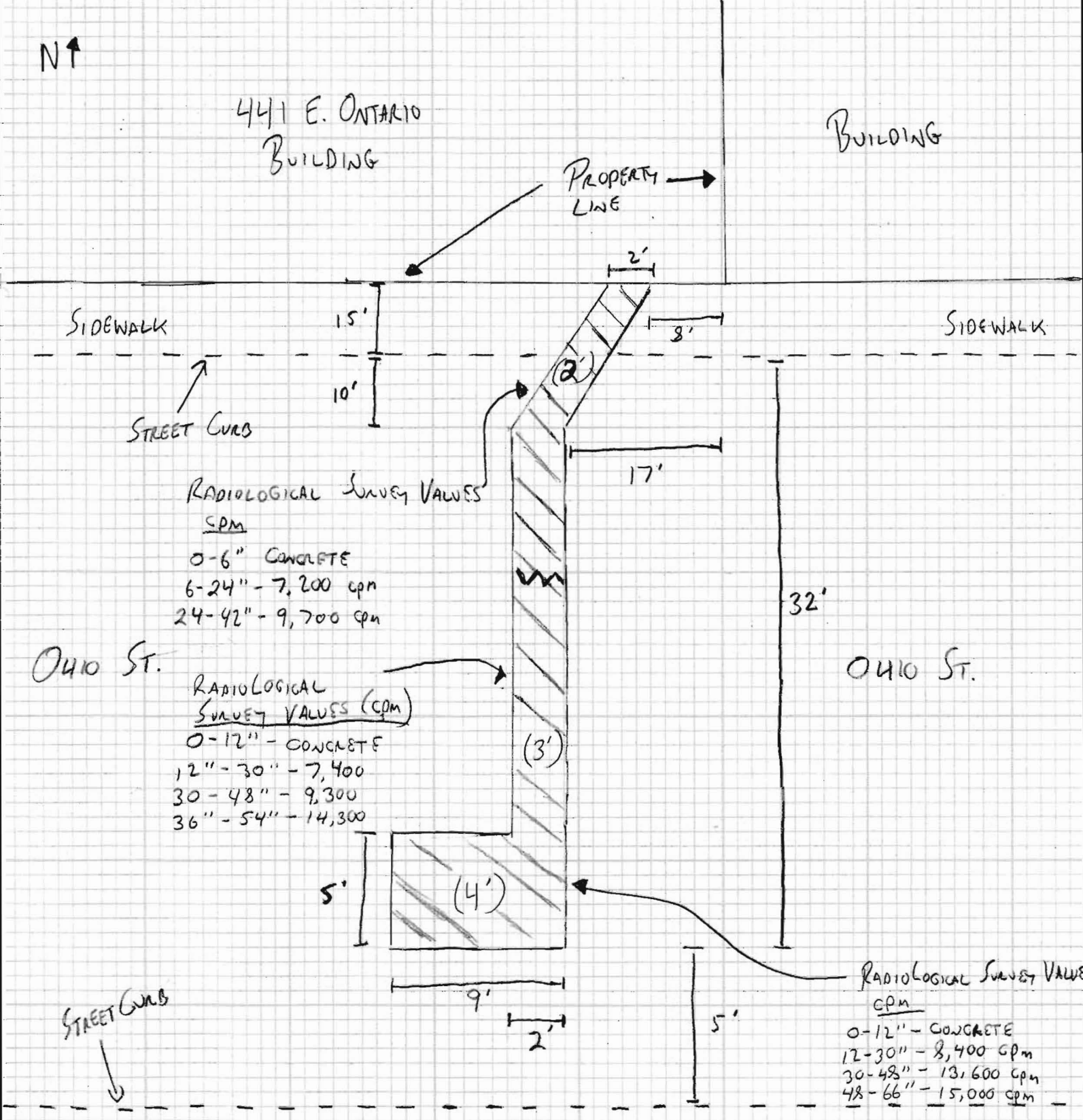
Signed by Department of Environment J Sheahan
Date JANUARY 26, 2012

Please return the completed form to the City of Chicago Department of Transportation at 30 N. LaSalle St., Room 1101, Chicago, Illinois 60602 during normal business hours (8:30 AM - 4:30 PM, Monday through Friday).



Calculation Sheet

Project	441 E. ONTARIO - RADIOACTIVE SOIL SURVEY			Subject	RIGHT OF WAY - AT&T SERVICE INSTALLATION		
Originated By	Date	Checked By	Date	Job No.	Scale	Sheet No.	
BRS	2/10/12	BRS	2/10/12	60163572	N/A	1 of 1	



RADIOLOGICAL SURVEY VALUES
cpm
0-6" CONCRETE
6-24" - 7,200 cpm
24-42" - 9,700 cpm

RADIOLOGICAL SURVEY VALUES (cpm)
0-12" - CONCRETE
12"-30" - 7,400
30-48" - 9,300
36"-54" - 14,300

RADIOLOGICAL SURVEY VALUES
cpm
0-12" - CONCRETE
12-30" - 8,400 cpm
30-48" - 13,600 cpm
48-66" - 15,000 cpm

RADIOACTIVE SOIL SURVEY PERFORMED
BETWEEN 2/8-10/2012

BACKGROUND VALUE = ~ 6,400 cpm (ASPHALT SURVEY)