AECOM

AECOM
303 East Wacker Drive, Suite 900
Chicago, Illinois 60601

312.938.0300 tel
312.938.1109 fax

January 19, 2011

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

Subject: Radiological Survey of Right-of-Way Utility Excavation
Permit No. 782754696
Permit Address: 300 Lower East Randolph Street
AECOM Project No. 60163572

Dear Ms. Pisterzi:

Pursuant to conditions specified in the permit found in Attachment A issued by the City of Chicago, radiation monitoring was required to be performed at the above referenced site. AECOM provided the required radiation surveillance on December 17th and 18th, 2010 for the excavation of transformer pad and trenches extending from the southeast corner of Lower East Randolph and Lower Columbus Drive to approximately the centerline of Lower Columbus Drive on the northern side of the intersection (refer to Figure 1).

Surveying was performed for the asphalt, concrete, and soil removal for the excavations required for the installation of the transformer pad and utility conduit. The transformer pad was located on the southeast corner and was approximately 6-feet by 25-feet with a maximum depth of 3-feet. The trenches were approximately 3-feet wide and ranged in depth from 3 to 8-feet. The trenches extend north across Lower East Randolph and then angled northwest toward the centerline of Lower Columbus Drive. The trench depth ranged from 3-feet near the transformer pad to 6-8 feet at the center of Lower East Randolph.

The monitoring revealed no indication of soils above the specified clean-up threshold established by the United States Environmental Protection Agency (USEPA) for the Streeterville area of Chicago. The USEPA 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 Ludlum Model 2221 survey meter and an unshielded 2 x 2 NaI probe (Model 44-10). Two instruments were used during the multi-day trenching effort. For the instrument used, the gamma counts indicative of the 7.1 pCi/g threshold was 18,617 and 19,435 counts per minute (cpm) unshielded.

The field gamma measurements within the excavation and the spoil materials generated during the excavation process did not exceed the respective threshold values previously stated and generally ranged from 4,050 cpm to 9,690 cpm with the unshielded probe. To reduce the influence of the excavation sidewalls on the instrumentation, readings taken near the bottom of the trench in some locations were made with a shielded probe. The maximum readings observed with a shielded probe were within the trench excavation where grey native clay was encountered was overlain by cinder and ash containing fill materials. In any case, the shielded and unshielded gamma readings did not indicate of the presence of radiologically-impacted material or an exceedance of the USEPA cleanup threshold of 7.1 pCi/g total radium.

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

Chicago Department of Environment
Attention: Ms. Rahmat Begum
30 North LaSalle Street, 25th Floor
Chicago, Illinois 60602

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

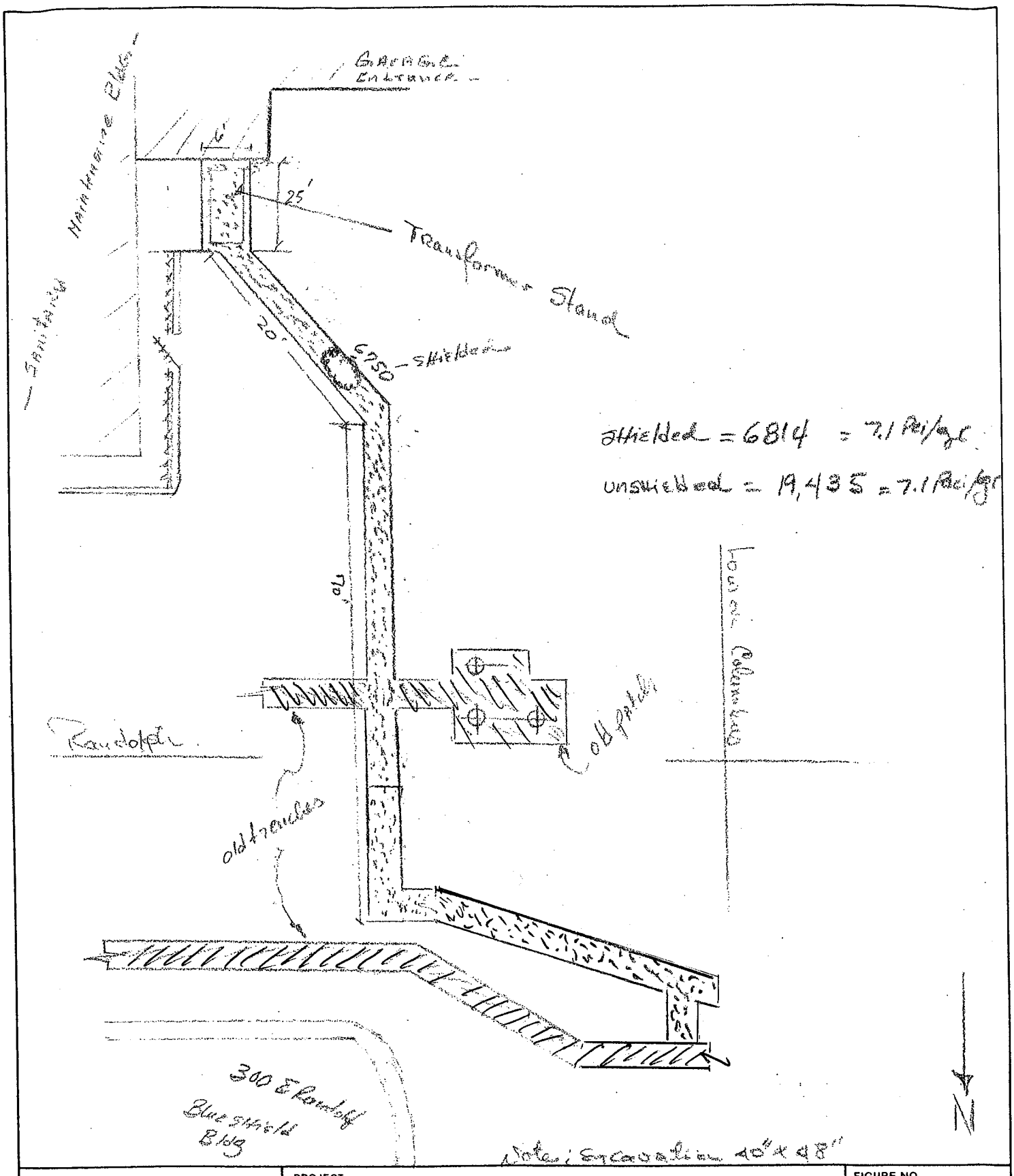
Regards,

Brian R. Schmidt
Environmental Scientist

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

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

Attachment A Permit



Note: Excavation 40" x 48"

PROJECT			FIGURE NO.
ATT & Edison - Utilities Trenches			1
SUBJECT			JOB NO.
Location & Survey limits			60163572
DATE	DRAWN BY	APPROVED BY	SCALE
Oct. 12/13/10	Dumas F. Gordon	SCK	N.T.S

82638

Attachment A

Permit

Transmission Report

Date/Time	12-14-2010	02:01:01 p.m.	Transmit Header Text
Local ID 1	1234		Local Name 1 abcd
Local ID 2			Local Name 2

This document : Confirmed
(reduced sample and details below)
Document size : 8.5"x11"

Dec 14 10 04:46p Dept of Environment 3127447201 p.1

1234 abcd 01:06 19 p.m. 12- 4-2010 2/3

City of Chicago
Richard M. Daley, Mayor

Department of Environment

Twenty-fifth Floor
30 North LaSalle Street
Chicago, Illinois 60602-2575
(312) 744-7006 (Voice)
(312) 744-6451 (FAX)
(312) 744-3996 (TTY)

http://www.cityofchicago.org

Permit No.
78275466

Date
12-14-2010

Site Address
300-301 E. Lower Randolph St

Work Location (describe exact site location)
See below

Nature of Work
Trench 10'x5'x3' in intersection @ 125-131 N Columbus / 300-301 E Lower Randolph
Dig 2 pits @ same loc
Dig (1) pit in sidewalk @ 185 N Columbus Dr.

IL4460/
78738872

NEIGHBORHOODS ALIVE!

CITY OF CHICAGO DEPARTMENT OF ENVIRO MENT
FORM NO. DOE.ROW.01

Notice is hereby given that the site you have requested information on is rec led with the City of Chicago Department of Environment as potentially having environmental c mination on the site and adjacent right-of-way. This environmental contamination could p nt a threat to human health and safety in connection with work performed at the site, or in t adjacent right-of-way, if proper safeguards are not employed.

A file containing detailed information regarding the aforementioned environm tal contamination is available for review at the Department of Environment at 30 LaSalle St., 25th Floor, Chicago, Illinois 60602 during normal business hours (8:30 AM - 30 PM, Monday through Friday). Contact Rhamat Begum at (312) 744-3152 for an ap ntment. This file must be reviewed and the remainder of this form completed before the perm is can be issued. Please note that for some locations, additional health and safety procedure may be required by law.

Please complete the following:

I have reviewed and understand the documents, maintained by the Departme t of Environment, regarding environmental contamination of the site and adjace right-of-way. Further, I will assure that all work at the subject site and adjacent right-of-w , and any monitoring required including but not limited to radiation monitoring, will performed in a manner that is protective of human health and the environment and in compli ce with all applicable local, state, and federal laws, rules, and regulations, especially tho pertaining to worker safety and waste management. I will ensure that the results of any m ation monitoring and/or surveying conducted shall be provided to the Department Environment within two (2) weeks of their completion. If any elevated levels of radioactiv material are detected, I will immediately contact the United States Environmental Protecti Agency at (800) 424-8802.

Signature Michele Pisterzi
Name (print) Michele Pisterzi
Company AT+T
Address 2427 Union Blue Isld, IL
Phone No. 708 824 8817
Prime Contractor/Contact Aecom / Steve Kor der
Address 1178 Bausphere Circle C 200 ccc.
Phone 847-343-6007 (cell phone)
Safety Officer/Phone Steve Korner (AECOM)
Radiation Contractor/ Phone (if applicable) 847 343 6007
Signed by Department of Environment Rahmatinisa Begum
Date 12/14/2010

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

Revised Dec. 13, 2002

Total Pages Scanned : 1 Total Pages Confirmed : 1

No.	Job	Remote Station	Start Time	Duration	Pages	Line	Mode	Job Type	Results
001	992	3127446789	02:00:09 p.m. 12-14-2010	00:00:20	1/1	1	EC	HS	CP26400

Abbreviations:
HS: Host send
HR: Host receive
WS: Waiting send
PL: Polled local
PR: Polled remote
MS: Mailbox save
MP: Mailbox print
CP: Completed
FA: Fail
TU: Terminated by user
TS: Terminated by system
RP: Report
G3: Group 3
EC: Error Correct