



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

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

February 15, 2015

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

RE: Radiological Survey of Right-of-Way Utility Excavation  
Permit No.: DOT578377  
Permit Address: 331-35 E. Erie Street, Chicago, Illinois  
AECOM Project No. 60163572

Dear Ms. Pisterzi:

Pursuant to conditions specified in the 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 on February 4, 2016 for trench excavations to install a communications service.

Surveying was performed on the fill soil removed at 331-35 East Erie Street (see sketch) for the installation of a communications service. The excavation was approximately a 10-foot long by 6-foot wide trench to a depth of 42-inches below ground surface (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 17,015 (S/N: 172039) counts per minute (cpm) unshielded.

The field gamma measurements during the excavation process did not exceed the instrument threshold previously stated and ranged from a minimum of 4,700 cpm to a maximum of 7,200 cpm unshielded. The background field instrument reading for fill soil in the vicinity of the excavation area was approximately 5,600 cpm. The general subsurface stratigraphy was composed of urban fill. 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 copy of the permit and a field sketch documenting the area where work was performed have been included as attachments.

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

Permit No.: DOT578377  
Permit Address: 331-35 E. Erie Street  
Page 2

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: Permit  
Sketch

**PERMIT**

Permit # DOT578377

**DOT Public Way Opening  
Opening in the Public Way**



City of Chicago  
Department of Transportation  
(312) 744-4652

Received Date: January 13, 2016 5:04 pm

**A008ZRV  
ISSUED**

AT&T (SBC IL)  
2427 UNION  
BLUE ISLAND, IL 60406

MICHELE PISTERZI (708)824-2817

**PERMIT DATES**

January 05, 2016 through February 04, 2016

**PERMIT DETAILS**

**Public Way Opening for the purpose: PLACE NEW FACILITIES FOR CUSTOMER**

**Excavation may commence on January 05, 2016 - NO SOONER**

**331 - 335 E ERIE ST - Number of Openings: 1**

**Curb Lane and Traffic Lane**

15 Ft (L) x 2 Ft (W) x 3 Ft (D)

**Subcontractors:**

DANIEL R. SCHMOLDT ENTERPRISES, INC. (D.R.S. ENTER  
570 COUNTRY LINE ROAD  
BENSENVILLE, IL 60106  
(216)581-7771

**Restrictions:**

1. If Arterial Street Outside CBD, Then Start no earlier then 9:00 A.M. and end no later then 4:00 P.M.
2. Contractor must notify DIGGER at 312-744-7000 no less then 48 hours (exclusive of Saturdays, Sundays and Holidays) but no more then 14 calendar days in advance of the start of the excavation or demolition, unless the excavation date was provided with the application and remains unchanged. Prior to 26 calendar days the Contractor must notify DIGGER to renew the dig date! It is the Excavator's responsibility to request refreshing of marks when needed, but no longer than 28 calendar days after the last requested date. When applicable, all excavation areas are to be clearly marked in safety white paint prior to calling DIGGER. White paint is not required for joint meets or emergency work. Excavators requesting dig tickets are responsible for the protection of utility markings at the job site. Any markings of underground utilities utilizing utility colors must be done by facility owners or authorized agents only.
3. A copy of the permit must remain on-site for inspector's review.
4. If Non-Arterial Street Outside CBD, Then Start no earlier then 7:00 A.M. and end no later then 3:00 P.M.
5. Permittee must provide a sign which identifies the telephone number and company or person performing the work. Signage may be affixed to barricades.
6. Contractor must secure plating over all openings in the roadway and secure all sidewalk/parkway openings during non-working hours until such time when the road surface is restored.
7. No work in or use of the public right of way is to be done when a special event is taking place. It is up to the applicant to determine if an event is scheduled. To obtain a listing of programs or events within the City of Chicago please dial 311 when you are within the City boundaries.

**Fees:**

There are no fees.

**EFFECTIVE DATES OF PERMIT**

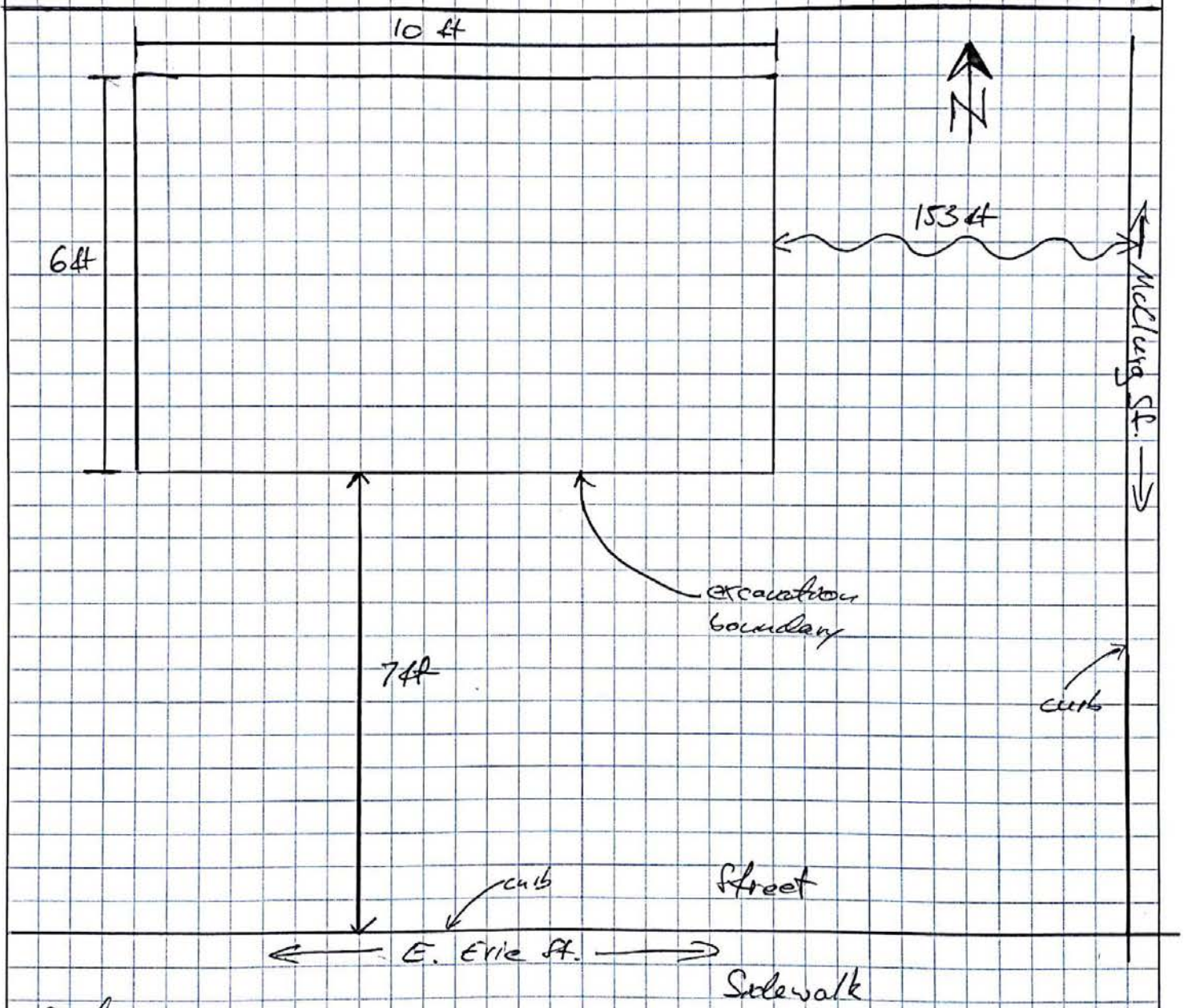
Current: January 05, 2016 through February 04, 2016 ( Input date: January 13, 2016 5:04 pm )

**END OF PERMIT**

**SKETCH**

JOB TITLE 335 E. Erie St. AT&T  
 JOB NO. 60163572 Task 9180 CALCULATION NO. \_\_\_\_\_  
 ORIGINATOR Andrew Kozak DATE 2/4/16  
 REVIEWER Steve Koruder DATE 2/10/16  
 SCALE 1 box = 6 inches SHEET NO. 1 OF 1

Equipment  
 Ludlum 2221 S/N: 172039  
 Probe 2x2 NaI S/N: ~~RR~~ 174496  
 unshielded: 17,015  
 shielded: 6,684  
 background: 5,600



<u>Readings</u>	<u>CPM</u>
0-12" (asphalt/concrete)	
12" (floor)	4,700 - 5,100
30" (floor)	6,400 - 7,100
42" (floor)	6,800 - 7,200