



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

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

November 18, 2013

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

RE: Radiological Survey of Right-of-Way Utility Excavation  
Permit No.: 378463118  
Permit Address: 245-247 E. Ontario Street  
AECOM Project No. 60163572

Dear Ms. Pisterzi:

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 between November 4 and 7, 2013 for a trench excavation to install a telephone communications service package.

Surveying was conducted in 18-inch lifts for fill soil removed from an approximately 4-foot wide by about 48-foot long trench excavation to a depth of 48-inches in the Right of Way (ROW) at the above referenced address (refer to annotated drawing). The U.S. Environmental Protection Agency (USEPA) cleanup value for Chicago's Streeterville area is 7.1 picocuries per gram (pCi/g) total radium (Ra-226 + Ra-228). The monitoring revealed no indication of soil above the cleanup value established by the USEPA for the Streeterville area of Chicago.

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 7.1 pCi/g cleanup value was 18,744 counts per minute (cpm) unshielded. Although none were observed for this project, gamma readings above 18,744 cpm would be considered a potential indication of the presence of radiologically contaminated fill soil. The field gamma background for the area was measured at approximately 6,500 to 8,500 cpm unshielded. Field gamma measurements greater than twice the 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.

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 cleanup value and ranged from a minimum of 6,500 cpm to a maximum of 14,000 cpm unshielded. Thus, there was no indication of the presence of radiologically-contaminated fill soil and/or an exceedance of the USEPA cleanup value 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,



Brian R. Schmidt  
Project Scientist II



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

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

Attachments: CDOT Permit  
Sketch

#8952501

Western  
McCarthy  
Aecom

**Permit # 378463118**

Received Date: Oct 11, 2013 2:3:13

**SBC ILLINOIS  
2427 UNION  
BLUE ISLAND, IL 60406**

**MICHELE 708-824-2817**



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

**ACTIVITY HOURS**

**Start no earlier than 8 AM. Stop no later than 5 PM. - Street Opening  
(Curb Lane & Traffic Lane)**

**DATES**

**Oct 11, 2013 through Nov 2, 2013**

**ACTIVITIES**

**Street Opening (Curb Lane & Traffic Lane):**

**Dig #: TBD**

There will be 1 opening(s) in the public way for the purpose: DIG PIT.

4 Feet x 4 Feet x 5 Feet

Excavation may commence on - NO SOONER.

245 - 247 E ONTARIO ST

RESTORE TO CDOT STANDARDS  
CONTRACTOR: ATT/WESTERN  
JOB NO# 8952501 / APPL N# 2013-1350

OK M SIMON  
OK TO RELEASE PER RAHMAT BEGUM ON 10/16/13

**Street Opening (Curb Lane & Traffic Lane):**

**Dig #: TBD**

There will be 1 opening(s) in the public way for the purpose: TRENCH.

34 Feet x 2 Feet x 3 Feet

**Street Opening (Curb Lane &Traffic Lane):**

**Dig #: TBD**

Excavation may commence on - NO SOONER.

245 - 247 E ONTARIO ST

**Street Opening (Curb Lane &Traffic Lane):**

**Dig #: TBD**

There will be 1 opening(s) in the public way for the purpose: TRENCH.

53 Feet x 2 Feet x 3 Feet

Excavation may commence on - NO SOONER.

247 - 250 E ONTARIO ST

**Street Opening (Curb Lane &Traffic Lane):**

**Dig #: TBD**

There will be 1 opening(s) in the public way for the purpose: DIG PIT.

4 Feet x 4 Feet x 5 Feet

Excavation may commence on - NO SOONER.

256 - 258 E ERIE ST

**Street Opening (Curb Lane &Traffic Lane):**

**Dig #: TBD**

There will be 1 opening(s) in the public way for the purpose: TRENCH.

8 Feet x 2 Feet x 3 Feet

Excavation may commence on - NO SOONER.

256 - 258 E ERIE ST

**Street Opening (Curb Lane &Traffic Lane):**

**Dig #: TBD**

There will be 1 opening(s) in the public way for the purpose: TRENCH.

16 Feet x 2 Feet x 3 Feet

**Street Opening (Curb Lane & Traffic Lane):**

**Dig #: TBD**

Excavation may commence on - NO SOONER.

252 - 257 E ERIE ST

**Restrictions:**

1. A copy of the permit must remain on-site for inspector's review.
2. Permit fees must be paid within 24 hours of the date of issuance. Failure to pay will result in you being considered in violation of the terms and agreement of the permit and subject to any applicable fine and fees as if you never attained a permit. Additionally, you will still be responsible for the cost of the original permit. Monthly billing accounts are not applicable to the 24 hour payment criteria but failure to pay the monthly bill by the due date will result in the same penalties applying.
3. All directional boring must be pre-approved by the Office of Underground Coordination.
4. 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.
5. Restore all lanes to normal operation during non-working hours.
6. All traffic control will be the responsibility of the contractor and must comply with all MUTCD standards.
7. Must use flagmen and/or arrow boards to maintain traffic operations through the work zone.
8. Contractor must notify DIGGER at 312-744-7000 no less than 48 hours (exclusive of Saturdays, Sundays and Holidays) but no more than 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!
9. 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.
10. 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.
11. 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.
12. Use of pneumatic equipment must not begin before 8:00 A.M. or continue after 8:00 P.M.
13. Permittee must provide a sign which identifies the telephone number and company or person performing the work. Signage may be affixed to barricades.
14. Permanent base pavement restoration to follow within 5 days after the completion of underground work.
15. All pavements and pavement markings are to be restored in accordance with CDOT

**Restrictions:**

Construction Standards.

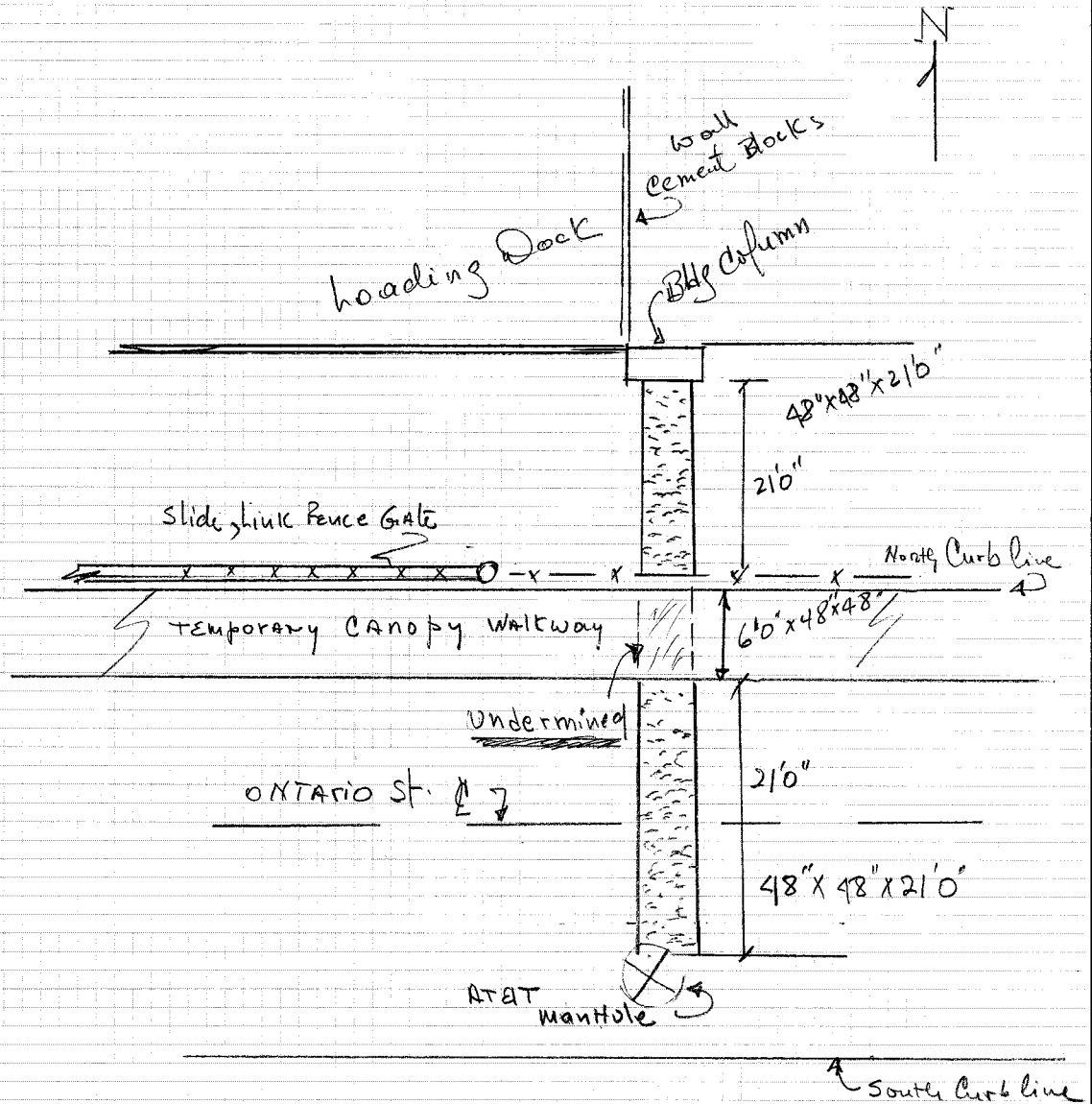
16. All street openings must be restored with concrete base to grade.
17. Work to be performed as per plans and specifications.
18. Streets recently resurfaced must be restored to proper standards (resurface to nearest 1/4 pt, see CDOT Construction Standards for further details).
19. **WARNING: THIS WORKSITE(S) CONTAINS RADIOACTIVE MATERIAL. ANY QUESTIONS PERTAINING TO HANDLING OF MATERIALS, CONTACT THE DEPT. OF ENVIRONMENT AT 312-744-3152.**
20. Contractors to post signs to indicate: BIKE LANE CLOSED - SHARED LANE YIELD TO BIKES.

It is also the permit holder's responsibility to restore to original condition any damage to any bikeway, including replacement pavement markings and signage. You must contact Ben Gomberg (312) 744-8093 48 hours in advance of any activity.

21. 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.
22. It is the responsibility of the applicant to fund Traffic Control Aides if the City deems it necessary due to heavy congestion situations.
23. Pursuit to City Ordinances 10-20-150 and 10-28-281.3 a re-inspection fee of \$100 may be assessed for each inspection conducted after the initial inspection.
24. All metal plates used for public way construction or placed within the right-of-way must indicate Ownership!

Affected CUAN Sites: 7, 15, 18, 21, 22, 24, 28, 29, 31, 34, 36, 38, 53, 61, 68, 70, 86, 141, 147, 156

JOB TITLE DORTCH, WESTERN - AT&T TRENCH  
 JOB NO. 60163572 CALCULATION NO. \_\_\_\_\_  
 ORIGINATOR DUMAS F. GUENNY DATE 11/7/13  
 REVIEWER SCK DATE 11/18/13  
 SCALE NTS SHEET NO. 1 OF 1



Note: MAXIMUM Reading 6500 to 14000 CPM  
 (Unshielded) < 7.1  $\mu\text{Ci/g}$

Inulum 2221 Serial# 176944, Probe Serial# 098196  
 18,744 CPM unshielded - 6,687 CPM shielded -