



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

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

May 27, 2016

Mr. Sal Cerami  
Cerami Construction Co.  
140 W. Lake St.  
Northlake IL 60164

RE: Radiological Survey of Bollard Installation  
Permit No.: DOT623931  
Permit Address: 633 N., Michigan Ave., Chicago, Illinois  
AECOM Project No. 60505682

Dear Mr. Cerami:

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 surveillance on May 21, 2016 for the drilling associated with an installation of three bollards.

Surveying was performed within the excavation and on the spoil removed at 633 N. Michigan Avenue (see sketch). The work area was approximately a 10-foot long by 2.5-feet wide to a depth of 5-feet 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 within the excavations and of the spoil during the excavation process did not exceed the instrument threshold previously stated and ranged from a minimum of 4,400 cpm to a maximum of 5,900 cpm unshielded. Field instrumentation background in the vicinity of the excavation was approximately 5,315 cpm. 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  
Attention: Ms. Rahmat Begum  
333 South State Street, Room 200  
Chicago, Illinois 60604

Permit No.: DOT623931  
Permit Address: 633 North Michigan Avenue  
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 # DOT623931

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



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

Received Date: April 26, 2016 12:41 pm

**Burberry Bollards  
ISSUED**

CERAMI CONSTRUCTION CO LTD  
908 W. LAKE ST.  
MELROSE PARK, IL 60160

SAL CERAMI (708)417-7000

**PERMIT DATES**

May 03, 2016 through May 20, 2016

**PERMIT DETAILS**

**Public Way Opening for the purpose: Bollard installation**

**Excavation may commence on May 03, 2016 - NO SOONER**

**633 N MICHIGAN AVE - Number of Openings: 1**

**Alley**

6 Ft (L) x 3 Ft (W) x 1 Ft (D)

**Subcontractors:**

BURNHAM NATIONWIDE, INC.  
111 W. WASHINGTON ST. APT./SUITE 450  
CHICAGO, IL 60602  
(312)407-7990

**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:**

04/29/2016 DOT\_PWO - Alley Opening Fee

CAPS: AH01  
Amount: \$ 1,908.00

**Total Fees: \$1,908.00**

**EFFECTIVE DATES OF PERMIT**

Current: May 03, 2016 through May 20, 2016 ( Input date: April 26, 2016 12:41 pm )

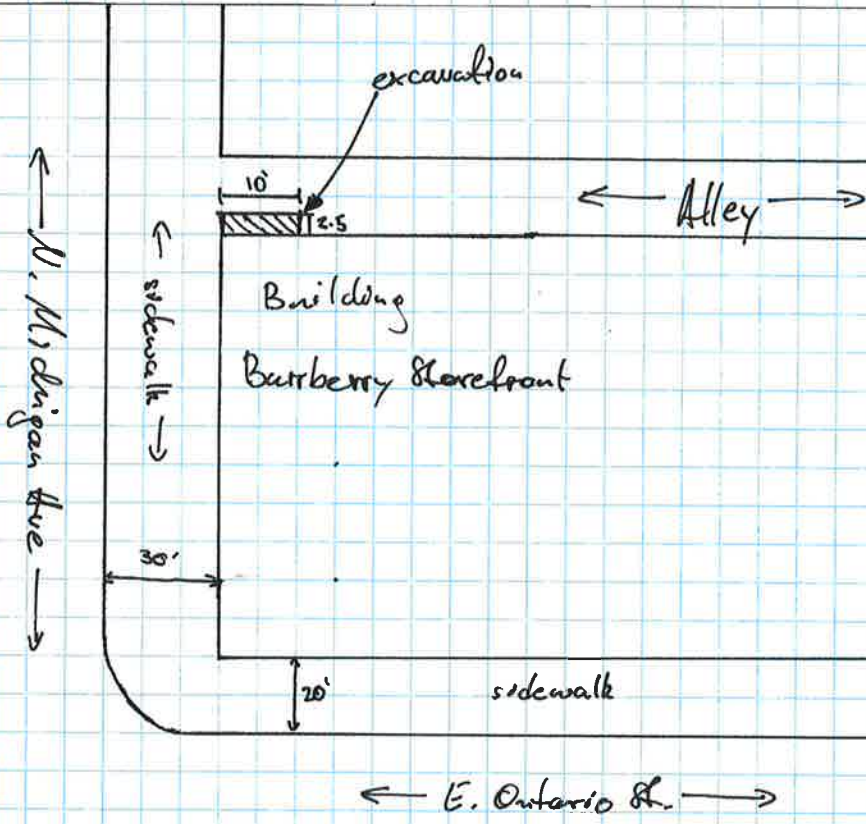
**END OF PERMIT**

**SKETCH**

JOB TITLE Cerami Construction - 665 N. Michigan Ave.  
 JOB NO. 60505682 CALCULATION NO. \_\_\_\_\_  
 ORIGINATOR Andrew Kozak DATE 5/21/16  
 REVIEWER Stere Korndler DATE 5/25/16  
 SCALE 1 square = 2.5 feet SHEET NO. 1 OF 1

Equipment

Ludlum 2221 S/N : 172039  
 Probe 2x2 Nat S/N : 174496  
 unshielded: 17,015 cpm  
 shielded: 6,684 cpm  
 background: 5,515 cpm  
 personnel: Saite



Readings

<u>Depth</u>	<u>CPM</u>
0"-24"	4,400 - 5,600
24"-40"	4,800 - 5,400
40"-60"	4,700 - 5,900