

March 15, 2016

Mr. Mark Rhea  
Senior Property Manager  
Zeller Realty Group®  
500 North Michigan Avenue  
Suite 2008  
Chicago, Illinois 60611

**Re: Radiation Screening Summary Report for Sewer Repair  
500 N Michigan Ave  
Chicago, Illinois 60611**

Dear Mr. Rhea:

Pursuant to conditions specified in a permit (see attached) issued by the Chicago Department of Public Health, radiation screening survey was required to be performed during sewer repair related to the above referenced Site. The screening survey was performed associated with sewer repair along the east side of the building along Illinois Street. The Chicago Department of Public Health (CDPH) granted the screening permit to Werner Plumbing and RPS GaiaTech on January 14, 2016. On February 17, 2016, Terrence Sheahan of the CDPH indicated that radiation screening approval had been included in CDOT's data, and approved the Ewing-Doherty Mechanical Inc.'s permit (Permit #DOT590226) on February 10, 2016. The summary report describes current onsite activities conducted between February 22, 2016 and March 7, 2016.

#### **Summary of Significant Site Activities – February 22, 2016**

During February 22, 2016, RPS GaiaTech was onsite to conduct soil screening during saw cutting and asphalt/concrete removal in Illinois Street. The purpose for removing the asphalt/concrete was to obtain a soil disposal profile/landfill acceptance, before the sewer repair was performed. Prior to screening, the area background level was obtained during the morning and recorded. The daily background level was used in conjunction and compared to the levels equivalent to the USEPA action level for the Streeterville area. The USEPA Action Level for Chicago's Streeterville area is 7.1 picocuries per gram (pCi/g) total radium (Ra-226 + Ra-228).

All surveying was completed with a Ludlum model 3 meter and attached shielded or unshielded NAI 2 x 2 meter. Walk over surveying was completed with the shielded probe. All readings were generally fewer than 2 times the daily background level and well below the instrument action level during this activity. Soil screening was completed at the surface directly under the removed asphalt and concrete. No additional soil was removed or disturbed except for enough soil to fill a 16 ounce sample jar for waste profile acceptance. On March 2, 2016, Waste management Laraway landfill granted the disposal permit for spoils generated during the sewer repair as non-hazardous waste.

#### **Summary of Significant Site Activities – March 3-4, 7, 2016**

During March 3, 2016 to March 4, 2016 and March 7, 2016, RPS GaiaTech was onsite to conduct soil

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screening during soil removal for unearthing utilities under Illinois Street. The purpose for unearthing utilities was for repair and replacement of a broken sewer main. There were two breaks in the pipe, one located midway through the sidewalk and another directly to the south of the curb on Illinois Street. Prior to screening each day, the area background level was obtained each morning and recorded. The daily background level was used in conjunction and comparison to the levels equivalent to the USEPA action level for the Streeterville area. All surveying was completed with a Ludlum model 3 meter and attached shielded or unshielded NAI 2 x 2 meter. Walk over surveying was completed with the shielded probe and deeper excavation surveys were completed with the unshielded probe.

The excavation was from the middle of Illinois Street (4 x 10 feet) south to the middle of the sidewalk on the south side of the building (3.5 x 8 feet). No suspect readings were found during this activity. Soil screening was completed in 12-inch lifts in all excavated locations. Soils were removed down to a depth of 9 feet below grade. Again, all readings were generally fewer than 2 times the daily background level and well below the instrument action level.

### Soil Waste Disposal

An estimated 60 cubic yards of soil and concrete (3 dump trucks) were removed from the site and dumped at the Laraway Landfill.

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

US Environmental Protection Agency  
Attn. Verneta Simon  
77 West Jackson Blvd.  
Chicago, Illinois 60604

If you have any questions, please feel free to contact me at 312-262-4330.

Sincerely,

**RPS GaiaTech**



John H. Yang, PG  
Senior Vice President

cc: Rob Hudgens -Ewing-Doherty Mechanical, Inc.  
Verneta Simon – USEPA  
Rahmat Begum – Chicago Department of Public Health

### Attachments

Attachment 1 - Site Photos  
Attachment 2 - Department of Public Health City of Chicago Approval





Photo 1: View facing south of excavating above sewer main on Illinois Street



Photo 2: View facing south of sewer line break directly below curb (foreground)



Photo 3: View facing northwest of excavation on Illinois Street (sewer runs underneath 3 foot water main worker is standing on)



Photo 4: View facing north of pumping out excavation





Photo 5: View facing north of excavating sidewalk for second break in sewer line



Photo 6: View facing south of clay sewer line with break in foreground



Photo 7: View facing south of removal of clay sewer line while active



Photo 8: View facing south of installing new sewer line



DEPARTMENT OF PUBLIC HEALTH  
CITY OF CHICAGO

**(STREETERVILLE Right-of-Way)**

Notice is hereby given that the site you have requested a permit for is recorded with the City of Chicago Department of Public Health (CDPH) 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 CDPH at 333 S. State St., Room 200, Chicago, Illinois 60604 during normal business hours (8:30AM-4:30PM, Monday through Friday). Contact (312) 745-3152 for an appointment. This file must be reviewed and the remainder of this form completed before the permit can be issued if the ground is exposed or excavated. 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 CDPH, 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 CDPH and the United States Environmental Protection Agency 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 at (800) 424-8802.

Applicant Name (print): Werner Nugent Plumbing Signature: [Signature]

Site Address and Work Location (Describe exact site location and attach map): 500 N. Michigan Ave.

Nature of Work: Sewer Repair in sidewalk + street on Illinois (see attached)

Company Name, Address, Phone No.: Werner Nugent Plumbing 708-385-5250

General / Prime Contractor Name, Address, Phone No.: N/A

Safety Officer / Phone No.: Alex Kazmierczak 708-385-5250

Radiation Contractor / Phone No. and email address (if applicable): GATA TECH - 135 S. LaSalle Suite 3500 312-541-0340

Check if City Department Work  Department Name: \_\_\_\_\_

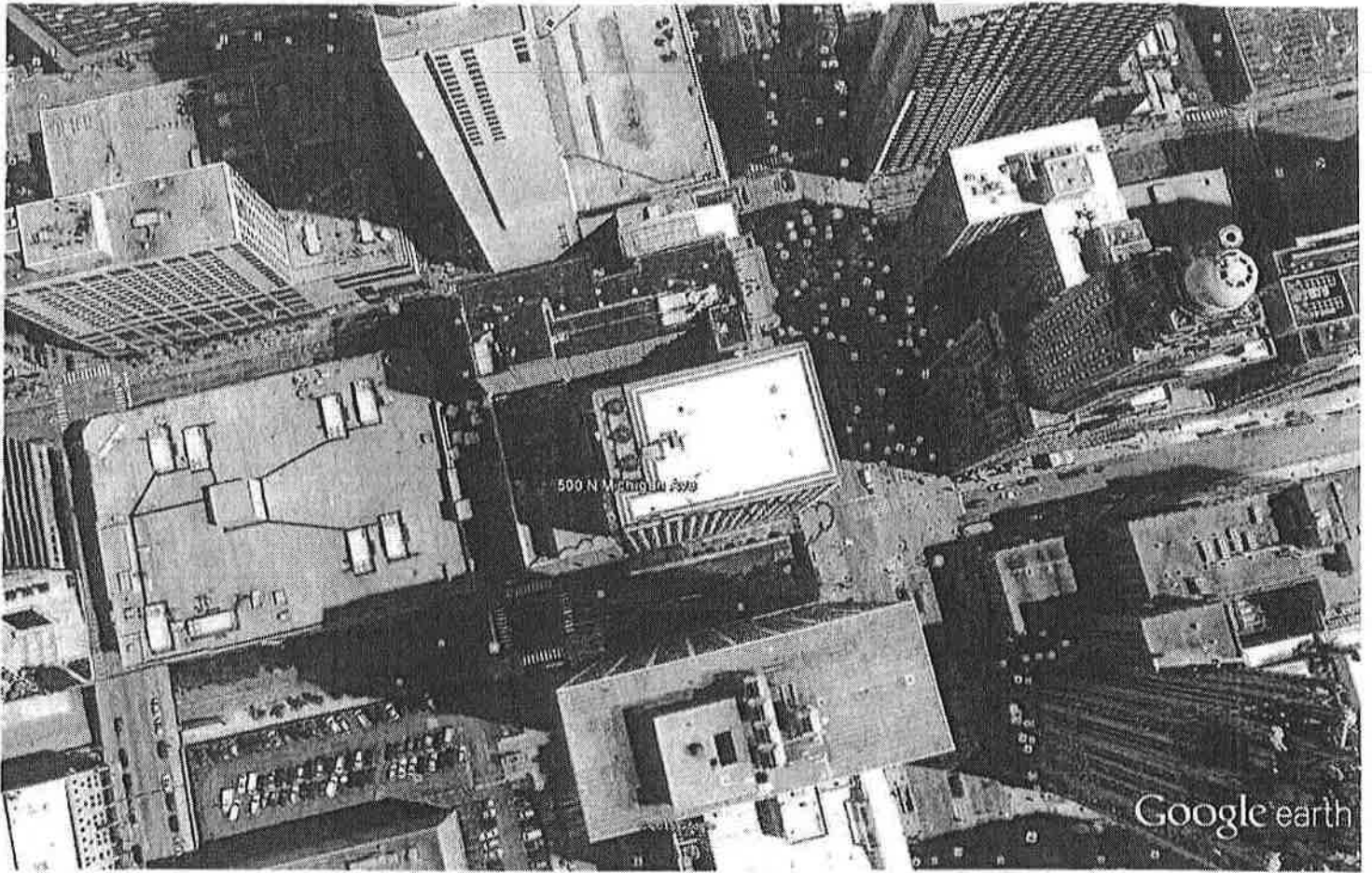
CDOT Permit No.: \_\_\_\_\_

Today's Date: 1/12/16 Expected Start Date: 1/18/16 CDPH Approval / Date: 1/14/2016

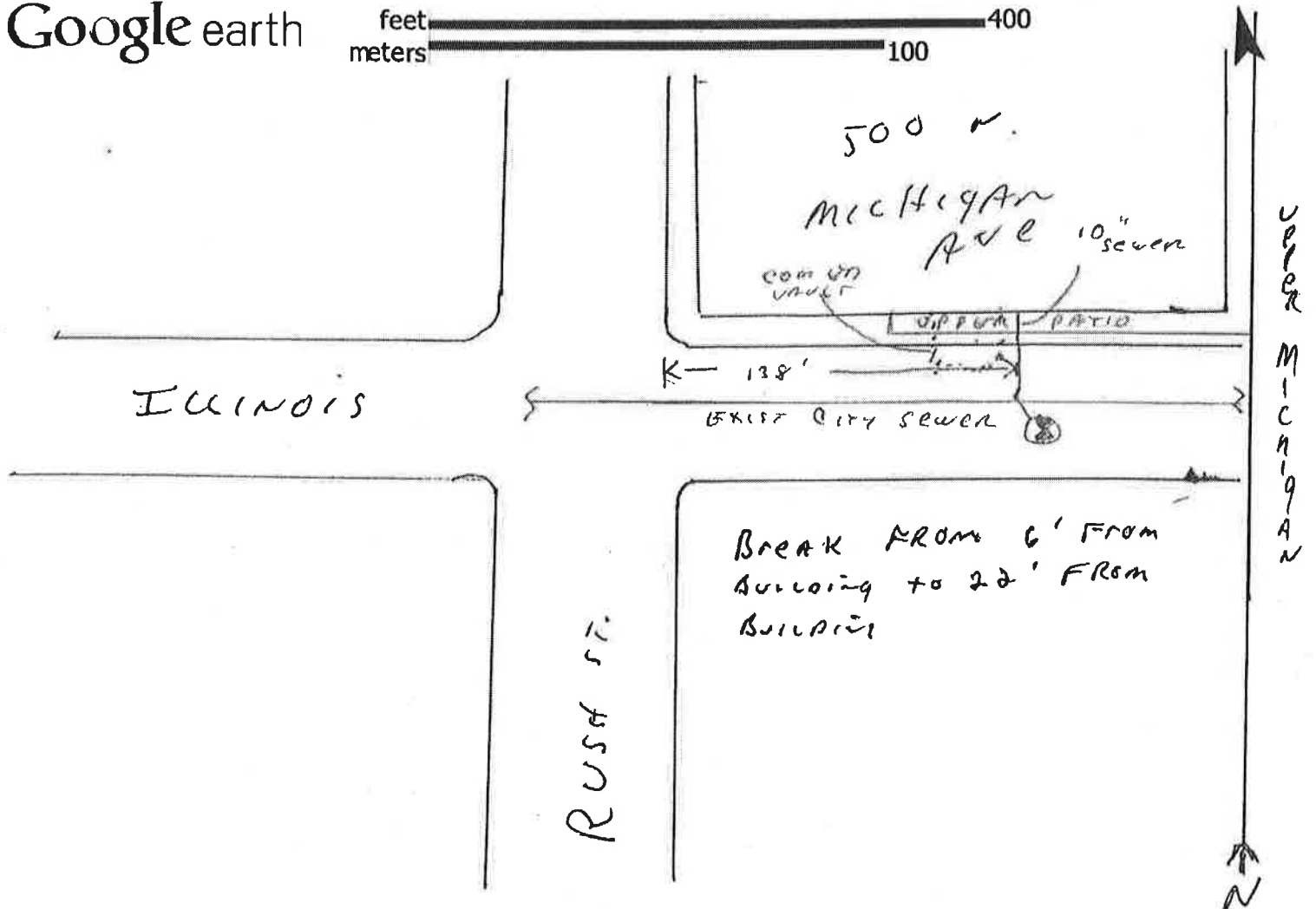
Please return this completed form to the Chicago Department of Transportation, Division of Infrastructure Management, Public Way Permit Office, City Hall - Room 905, 121 N. LaSalle St., Chicago, Illinois 60602 during normal business hours (8:30 AM - 4:30 PM, Monday through Friday)

For CDPH Use Only





Google earth



Permit # DOT590226

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



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

**116 E Illinois  
ISSUED**

Received Date: February 4, 2016 11:25 am

EWING-DOHERTY MECHANICAL INC  
304 N YORK RD  
BENSENVILLE, IL 60106

JOHN DOHERTY (630)766-5920

**PERMIT DATES**

February 04, 2016 through March 02, 2016

**PERMIT DETAILS**

**Public Way Opening for the purpose: Sewer Repair**

**Excavation may commence on February 04, 2016 - NO SOONER**

**116 - 120 E ILLINOIS ST - Number of Openings: 2**

**Curb Lane and Traffic Lane**

10 Ft (L) x 5 Ft (W) x 7 Ft (D)

**Sidewalk and Parkway**

5 Ft (L) x 5 Ft (W) x 5 Ft (D)

**Subcontractors:**

There are no subcontractors.

**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 renewal 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.

Asphalt restoration will be 15x25 per Prakash

**Fees:**

02/17/2016 DOT\_PWO - Degradation Fee

CAPS: BB96  
Amount: \$ 5,000.00

02/17/2016 DOT\_PWO - Sidewalk/Parkway Opening Fee

CAPS: AH23  
Amount: \$ 954.00

02/17/2016 DOT\_PWO - Street Opening Fee

CAPS: AH04  
Amount: \$ 1,908.00

**Total Fees: \$7,862.00**

**EFFECTIVE DATES OF PERMIT**

Current: February 04, 2016 through March 02, 2016 ( Input date: February 4, 2016 11:25 am )

**END OF PERMIT**