



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

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

September 8, 2017

Mr. Mike Jouras  
Peoples Gas Light & Coke Co.  
Environmental Services Department  
200 E. Randolph Street, 24<sup>th</sup> Floor  
Chicago, IL 60601

RE: Anode Installations (Corrosion Work) – 2622-40 S Martin Luther King Dr.  
Permit Address: 2622, 2630, 2640 S. Martin Luther King Dr., Chicago, Illinois  
Permit No.: DOT843519  
AECOM Project No. 60157647

Dear Mr. Jouras:

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 August 29, 2017 for excavation activities.

Surveying was performed on the fill soil removed at 2622-40 S. Martin Luther King Drive (see sketch) to install anodes for corrosion protection. The work consisted of three excavations. The first and third of the excavations were excavated to approximately 36 inches below ground surface (bgs). The second excavation was excavated down to a depth of 54 inches bgs. Refer to the attached sketch for the location of each excavation.

A cleanup criterion has not been approved for this area. Therefore, per the City of Chicago monitoring program the field instrument threshold for potentially radiologically contaminated material is conservatively set at twice the field instrumentation background. Gamma radiation count measurements for the project were made using Ludlum Model 2221 survey meter and a shielded 2 x 2 inch NaI probe (Model 44-10). The field instrumentation gamma background for the surrounding area outside the excavation based on multiple measurements using a shielded probe was approximately 3,100 counts per minute (cpm). Thus, twice this field instrumentation background, or 6,200 cpm, was considered as the conservative indicator of potential contamination. For reference purposes only, the instrument gamma count equivalent to 7.1 pCi/g radium was 7,374 cpm (S/N: 172039) shielded.

The excavation monitoring revealed no gamma counts above twice the field instrument background. The field gamma measurements within the excavation during the excavation process did not exceed the instrument threshold previously stated, and ranged from a minimum of 1,900 cpm to a maximum of 4,900 cpm unshielded. The general subsurface stratigraphy was composed of urban fill and bricks. Thus, there was no indication of the presence of radiologically contaminated fill soil based on twice the project specific field instrument background. 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 via email to:

Chicago Department of Fleet and Facility Management  
Attention: Ms. Abigail Mazza  
30 N. LaSalle St., Suite 300  
Chicago, Illinois 60602

Permit Address: 2622, 2630, 2640 S. MLK Dr.  
Permit No.: DOT843519  
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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 Geochemist

cc: Abigail Mazza, 2FM

Attachments: Permit  
Sketch

**PERMIT**



DEPARTMENT OF FLEET AND FACILITY MANAGEMENT  
CITY OF CHICAGO

**FORM NO. 2FM.RADIUM.ROW.06 (CARNOTITE Right-of-Way and City-Owned Property)**

Notice is hereby given that environmental contamination associated with the former Carnotite Reduction Company (Carnotite) site may be present within or near the location for which you have requested a permit. Proper safeguards must be employed when performing work at this site in order to avoid potential threats to human health and safety and the environment. The Illinois Emergency Management Agency (IEMA) is the lead regulatory agency for contamination associated with the Carnotite site.

A file containing detailed information regarding the environmental contamination which may be present in the vicinity of the proposed work location is available for review at the City of Chicago Department of Fleet and Facility Management (2FM) at 30 N. LaSalle St., 3rd Floor, Chicago, Illinois 60602 during normal business hours (8:30AM - 4:30PM, Monday through Friday). Contact (312) 744-7204 for an appointment. If the proposed work at the site involves excavation, exposure of soil, or soil disturbance, this file must be reviewed and the remainder of this form completed before the permit can be issued. 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 2FM regarding potential environmental contamination at the site. Further, I will ensure that all work at the site, 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 2FM for forwarding to IEMA and the United States Environmental Protection Agency (via fax to 312.692.2469 or 312.692.2466) within two (2) weeks of their completion. If surface gamma scans exceeding two times the background count rate are detected, I will follow the Carnotite site's Utility Emergency and Maintenance Plan (Plan) and immediately contact 2FM (see the Contact List in Attachment 4 of the Plan) for further instructions and so they can coordinate with IEMA. I will also immediately notify the United States Environmental Protection Agency at (312) 353-2318 and request connection to Verneta Simon or Dan Haag.

Applicant Name (print) Anum Bartolotta Signature CR

Site Address and Work Location (Describe exact site location and attach map):  
2622, 2630, 2640 S Martin Luther King Dr

Description of Work: Anode installations (corrosion work)  
(Attach additional details as necessary)

Company Name, Address, Phone No. Peoples Gas, 1241 W Division St 866.556.6001

General / Prime Contractor Name, Address, Phone No. Meade Electric, 977 W Cermak  
(Include subcontractor information if applicable)

Safety Officer / Phone No. Liveida Monsalve (773) 794-6869


Radiation Contractor / Phone No. (if applicable) Steve Kornder, AECOM 262.515.7700

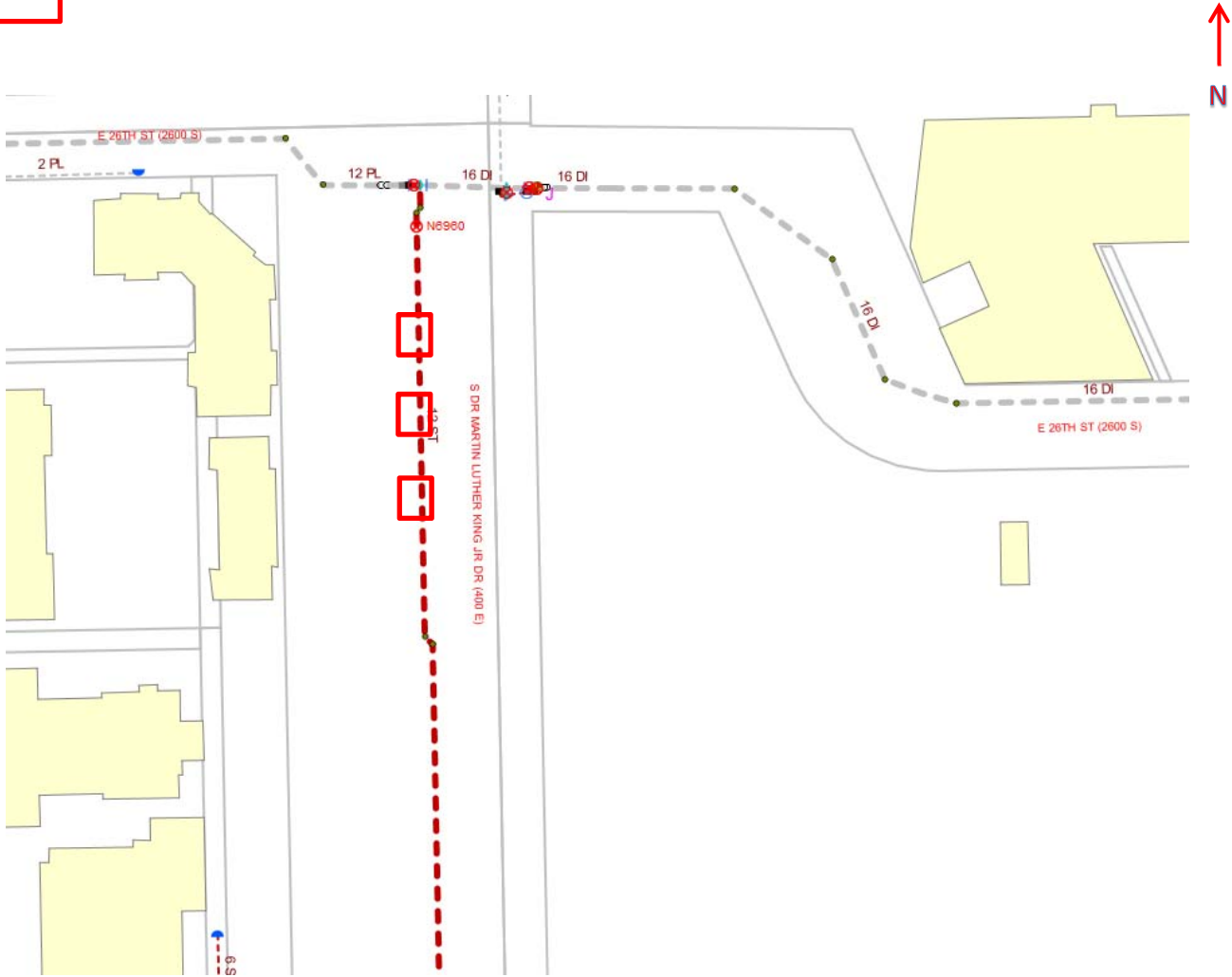
Check if City Department Work  Department Name \_\_\_\_\_

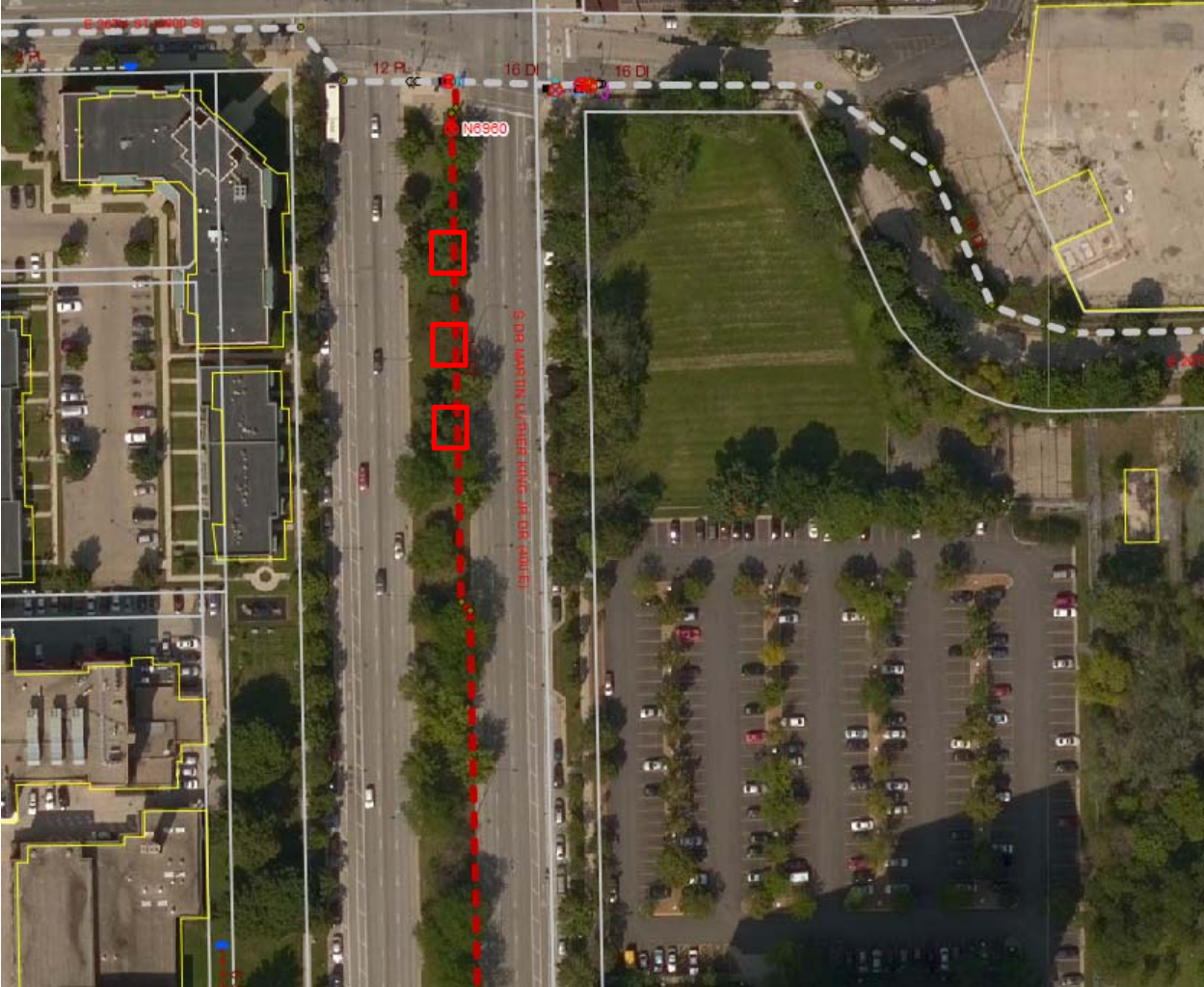
Permit No.: DOT843519

Today's Date 8/17/2017 Expected Start Date 9/1/17 2FM Approval / Date Avery Manna / 8-18-17

Please return this completed form and location map to 2FM at 30 N. LaSalle St., Suite 300, Chicago, Illinois 60602 during normal business hours (8:30 AM - 4:30 PM, Monday through Friday).

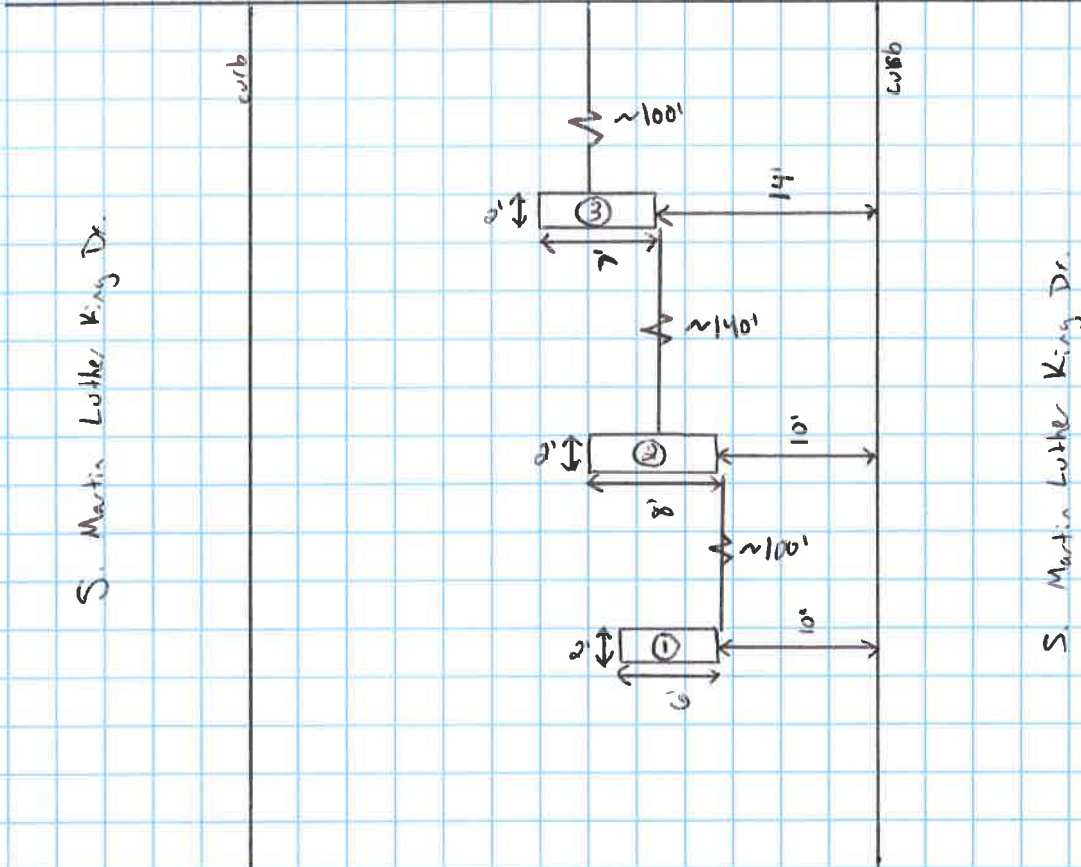
 = Work Area (CDOT DOT843519)





**SKETCH**

E. 26<sup>th</sup> St.



Location	Depth	CPM (shielded)
①	Surface	2,800 - 3,400
	18"	3,200 - 4,500
	36"	3,100 - 4,200
②	Surface	1,900 - 2,900
	18"	3,100 - 3,900
	36"	3,500 - 4,500
	54"	3,600 - 4,900
③	Surface	2,200 - 2,800
	18"	2,700 - 3,300
	36"	3,200 - 3,800

Ludlum 2221 Shielded background 3,100 cpm