



AECOM
303 E. Wacker Drive, Suite 1400
Chicago, Illinois 60606

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

April 18, 2022

Mr. Naren Prasad
Peoples Gas Light & Coke Co.
Environmental Services Department
200 E. Randolph Street, 24th Floor
Chicago, IL 60601

RE: Streeterville Thorium Monitoring Results – Corrosion Protection
Permit Nos.: DOT1641190, DOT1648545, and DOT1647682
Permit Addresses: 301-06 N Michigan Ave., 320-25 N MacChesney Ct., and 358-59 E North Water St.

Dear Mr. Prasad:

Pursuant to conditions specified in the Right of Way (ROW) forms (attached) issued by the City of Chicago Department of Public Health (CDPH), radiation monitoring was required to be performed at the above referenced sites. AECOM Technical Services, Inc. (AECOM) provided the required radiation surveillance on April 13, 2022, for 18-inch diameter excavations at each of the referenced addresses to install corrosion protection anodes (refer to maps included with CDPH forms). Each excavation was 18-inches in diameter to a depth of 3-6 feet below ground surface (bgs). A hydro-vac truck was used to remove the fill soils at each of the locations described below.

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 a Ludlum Model 2221 survey meter and a shielded 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 7,140 (S/N: 326720) counts per minute (cpm) shielded.

301-06 N. Michigan Ave.

This excavation was located approximately 85 feet north of Lower Wacker PI within MacChesney Ct. and 6 feet west of the 801 N. MacChesney Ct. building. Field gamma measurements within this opening did not exceed the instrument threshold previously stated and ranged from 1,983 cpm to a maximum reading of 2,492 cpm. No exposed soil was present at this site, so the background gamma count was determined by measuring nearby concrete surfaces. The background gamma count was 1,800 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.

320-25 N. MacChesney Ct.

Three excavations were made approximately 200 feet north of Lower Wacker PI. within MacChesney Ct. No gamma measurements recorded in these excavations exceeded the instrument threshold previously stated. Gamma measurements at excavation 1 ranged from 1,896 to 1,964 cpm. The maximum gamma measurement at excavation 2 was 1,404 cpm. Gamma measurements at excavation 3 ranged from 1,283 cpm to a maximum reading of 1,690 cpm. The first two locations were abandoned, and the anode was installed at the third location. 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.

358-59 E. North Water St.

The first excavation at this site was within the ROW of E. North Water St. approximately 45 feet west of McClurg Ct. and 6 feet north of the south sidewalk curb. The second excavation was within the ROW of E. North Water St. approximately 40 feet west of McClurg Ct. and 3 feet south of the north sidewalk curb. Anodes were installed at both locations. No gamma measurements recorded in these excavations exceeded the instrument threshold previously stated. The background gamma count of nearby soils was measured at 2,508 cpm. Gamma measurements at excavation 1 ranged from 1,372 to 1,618 cpm. Gamma measurements at excavation 2 ranged from 1,653 to a maximum reading of 2,458 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 PDF copy of this letter will be forwarded via email to the CDPH and Verneta Simon (USEPA) to fulfill the requirements of the CDPH. Copies of the CDPH forms, photographs, and the tabulated gamma results are included as attachments to this report.

Please contact us with any questions you have regarding this letter or the reported results.

Regards,



Eric Sulita, P.E.
Environmental Engineer III



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

cc: Ahmad Nur, Chicago Department of Public Health
Verneta Simon, USEPA

Attachments: CDPH Permit Forms and Maps
Photographs and Tabulated Gamma Results

CDPH PERMIT FORMS



DEPARTMENT OF PUBLIC HEALTH
CITY OF CHICAGO

FORM NO. CDPH.ROW.03 (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): Maria Oliver Signature: Maria J Oliver

Site Address and Work Location (Describe exact site location and attach map): 301-06 N Michigan Ave-Install Test Leads and Qty (2) #32 Anodes on Service in Alley. Qty (1) 1x1 Keyhole Core in Alley

Nature of Work: Corrosion Repairs / Maintenance

Company Name, Address, Phone No.: Peoples & North Shore Gas. 200 E Randolph. 312-240-4692

General / Prime Contractor Name, Address, Phone No.: MEADE. 625 Willowbrook Center Pkwy. Willowbrook, IL 60527. 708-588-6265 Include subcontractor information if applicable

Safety Officer / Phone No. David Krefft / 708-683-0785

Radiation Contractor / Phone No. (if applicable) AECOM. 303 E. Wacker Drive, Suite 1400. Chicago, IL 60601. 262-515-7700. Steve Kornder

Check if City Department Work [] Department Name:

CDOT Permit No.: DOT1641190

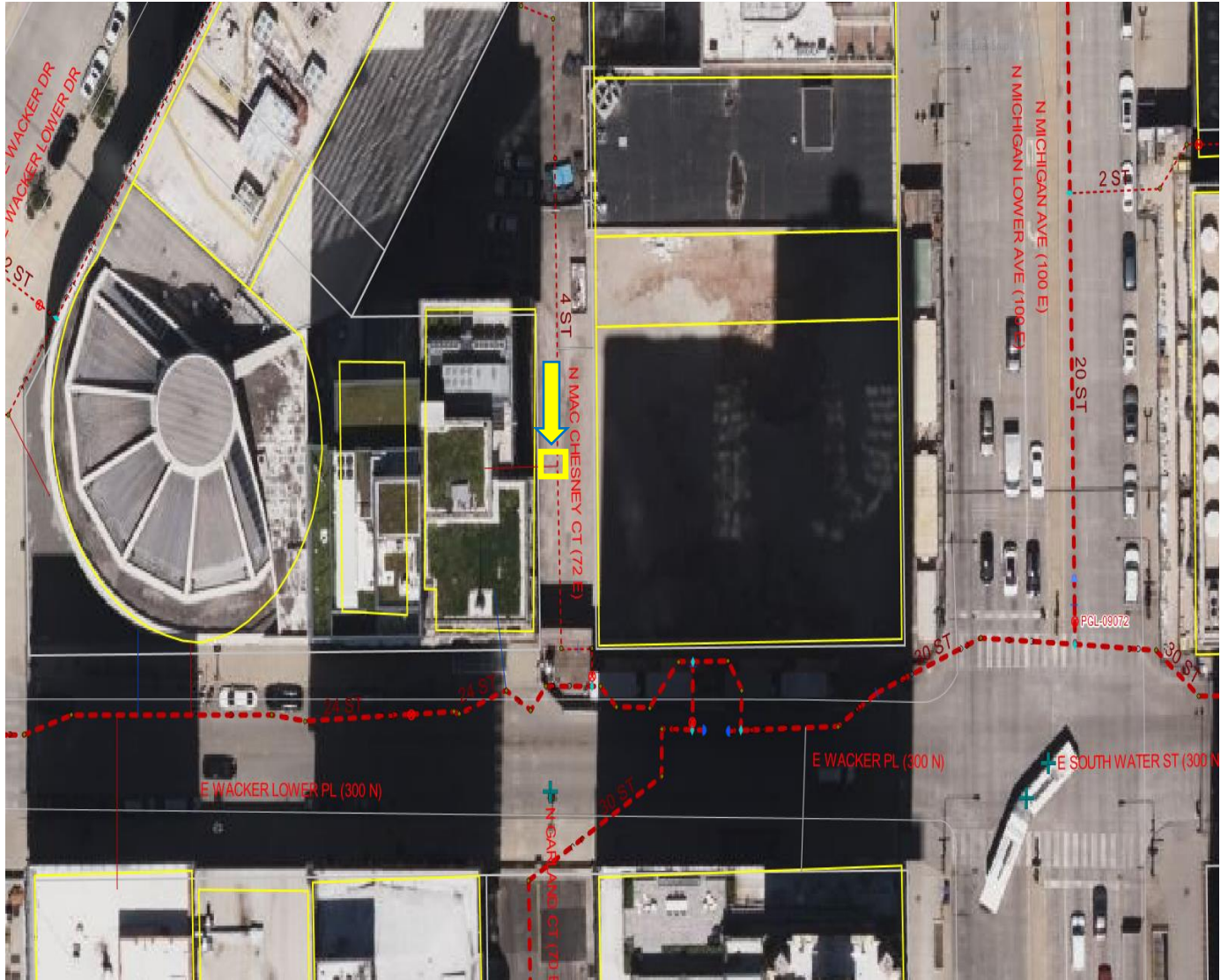
Today's Date: 2-14-22 Expected Start Date: 2-16-22 CDPH Approval / Date ahmad nur 02/14/2022

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

301-06 N Michigan Ave Corrosion-Installing anodes

1x1x1 Alley opening at 87 NN Wacker Pl





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Applicant Name (print): Tom Kannon Signature: Tom Kannon

Site Address and Work Location (Describe exact site location and attach map): (320-325) N MAC CHESNEY CT. Install TLA Test Leads and #32 Anodes in Service in Alley. Qty (1) 1x1 Keyhole Core in Alley.

Nature of Work: Corrosion Repairs / Maintenance

Company Name, Address, Phone No.: Peoples & North Shore Gas. 200 E Randolph. 312-240-7035

General / Prime Contractor Name, Address, Phone No.: MEADE. 625 Willowbrook Center Pkwy. Willowbrook, IL 60527. 708-588-6265 Include subcontractor information if applicable

Safety Officer / Phone No. David Krefft / 708-683-0785

Radiation Contractor / Phone No. (if applicable) AECOM. 303 E. Wacker Drive, Suite 1400. Chicago, IL 60601. 262-515-7700. Steve Kornder, Ph.D.

Check if City Department Work [] Department Name:

CDOT Permit No.: #DOT1648545

Today's Date: 3-23-22 Expected Start Date: 3-28-22 CDPH Approval / Date ahmad nur 03/25/2022

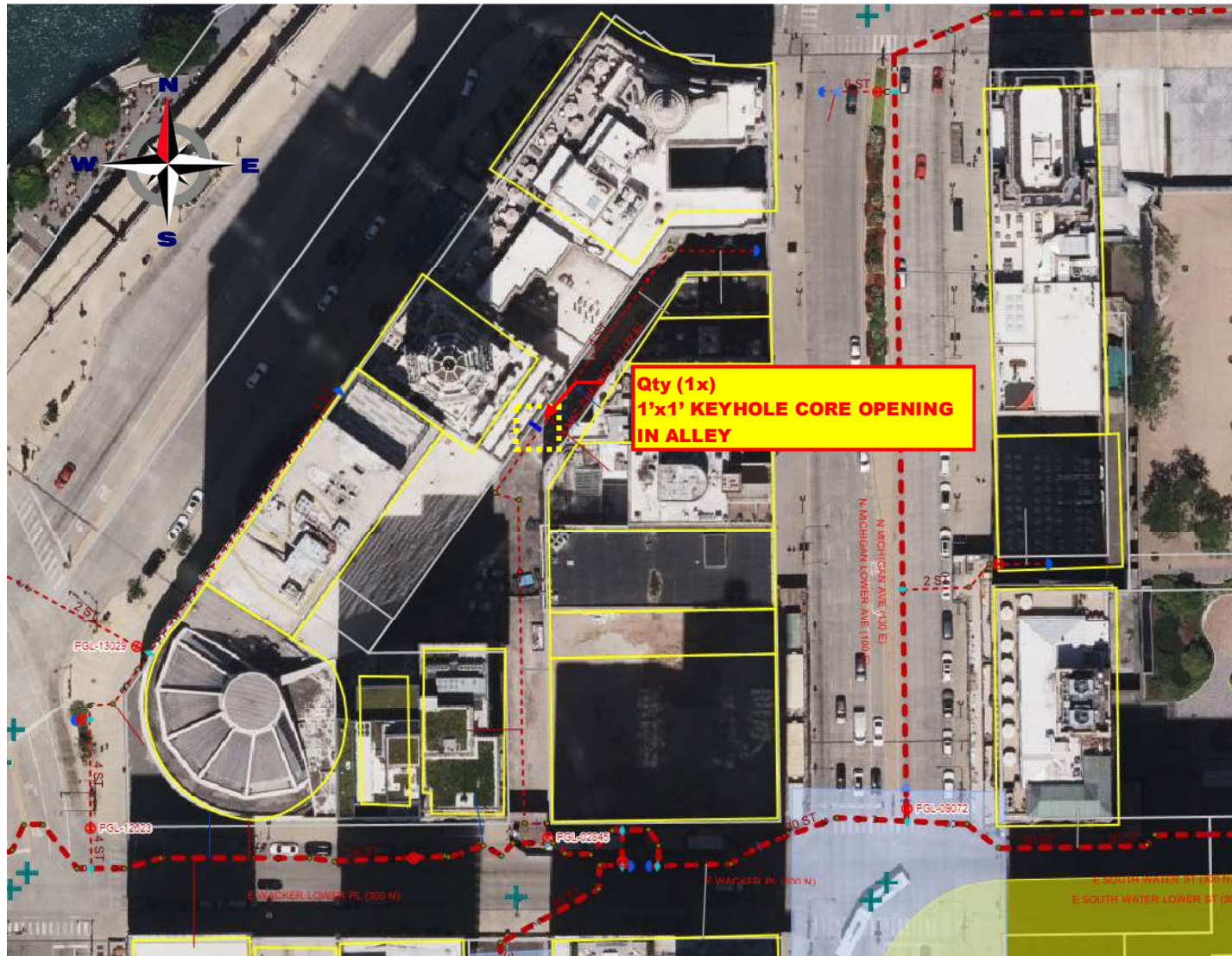
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For CDPH Use Only

(320-325) N MAC CHESNEY CT MX4206025, WORKZONE SKETCH:

Install Test Leads and #32 Anode on Service in Alley.

Qty (1) 1x1 Keyhole Core in Alley.



FILENAME: 320-325 N MAC CHESNEY CT MX4206025 WORKZONE SKETCH 3-23-22.docx

DB: TK



DEPARTMENT OF PUBLIC HEALTH
CITY OF CHICAGO

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Applicant Name (print): Tom Kannon Signature: Tom Kannon

Site Address and Work Location (Describe exact site location and attach map): (358-359) E NORTH WATER ST. INSTALL TLA Test Leads & 32# Anode on Service in Street. Qty (2) 1x1 Keyhole Core in Street.

Nature of Work: Corrosion Repairs / Maintenance

Company Name, Address, Phone No.: Peoples & North Shore Gas. 200 E Randolph. 312-240-7035

General / Prime Contractor Name, Address, Phone No.: MEADE. 625 Willowbrook Center Pkwy. Willowbrook, IL 60527. 708-588-6265 Include subcontractor information if applicable

Safety Officer / Phone No. David Krefft / 708-683-0785

Radiation Contractor / Phone No. (if applicable) AECOM. 303 E. Wacker Drive, Suite 1400. Chicago, IL 60601. 262-515-7700. Steve Kornder, Ph.D.

Check if City Department Work [] Department Name:

CDOT Permit No.: #DOT1647682

Today's Date: 3-16-22 Expected Start Date: 3-21-22 CDPH Approval / Date ahmad nur 03/17/2022

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

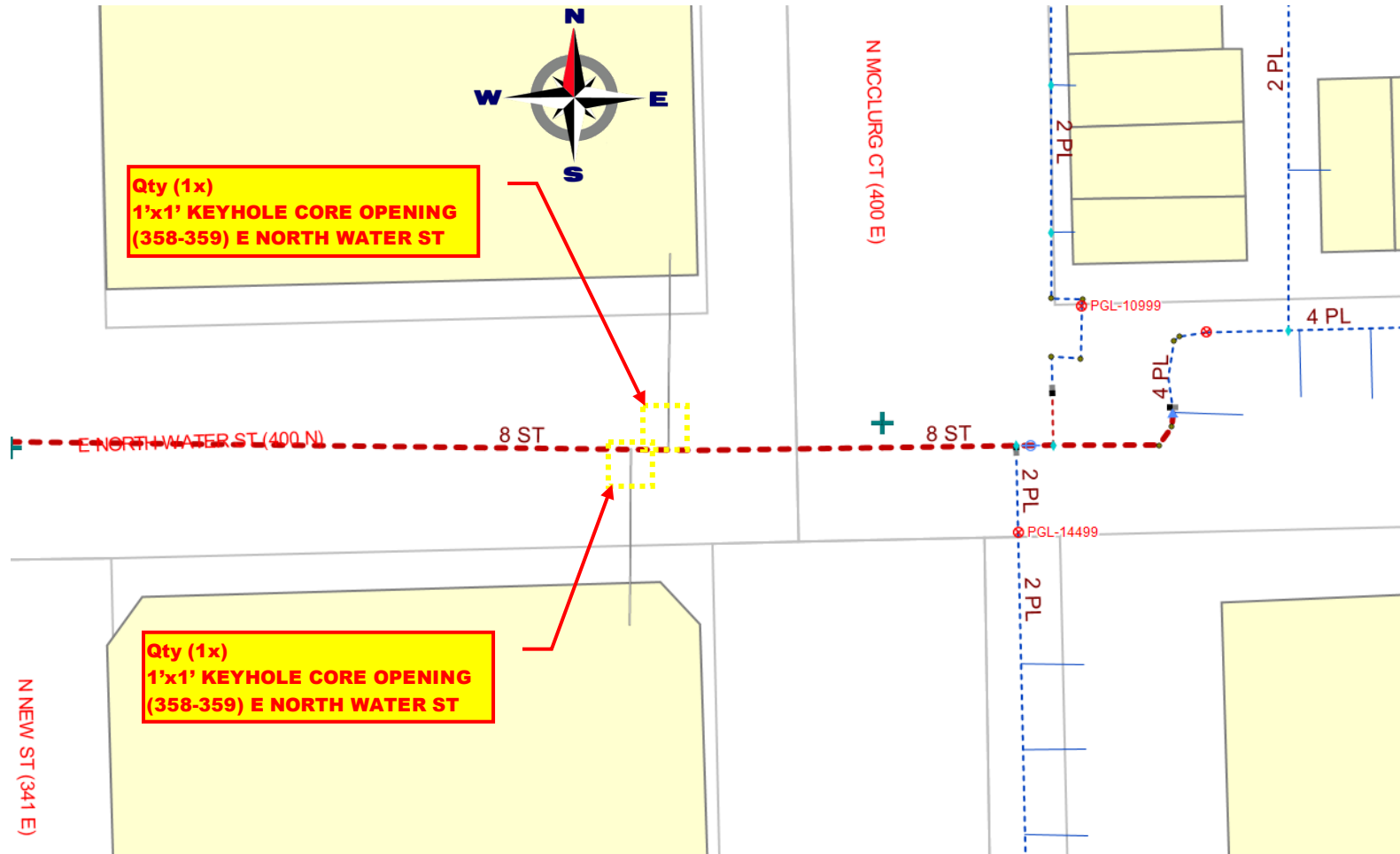
PERMIT #DOT1647682 FOR (358-359) E NORTH WATER ST:

PGL WO#: MX4174823 & MX4174824, WORKZONE SKETCH

Install TLA Test Leads and #32 Anodes on Service in Street.

Street Opening Address: (358-359) E NORTH WATER ST

Qty (2) 1x1 Keyhole Cores in Street.



PHOTOGRAPHS AND TABULATED GAMMA RESULTS

Gamma Survey Results People's Gas

Survey Equipment

CDOT Nos:	1641190, 1648545, 1647682
Ludlum 2221 S/N:	326720
Ludlum Probe S/N	PR360158
Cutoff (cpm)	7140
Background (cpm)	1800-2508
Personnel:	E. Sulita and C. Redding
Date of Screening:	4/13/2022

Survey Results

Location	Excavation	Depth (inches)	Maximum Readings (cpm)
301-06 N Michigan Ave.	1	0-10	concrete
		10	2170
		22	1983
		37	2130
		74	2492
(320-325) N MacChesney Ct.	1	0-10	concrete
		10	1896
		19	1964
	2	0-10	concrete
		10	1404
	3	0-10	concrete
18		1690	
24		1283	
(358-359) E North Water St.	1	0-8	concrete
		8	1618
		30	1372
		48	1613
	2	0-8	concrete
		8	1653
		26	2088
		44	2458

PICTURE 1: VIEW OF THE COMPLETED CORROSION PROTECTION EXCAVATION AT 301-06 N MICHIGAN AVE



PICTURE 2: VIEW OF THE COMPLETED CORROSION PROTECTION EXCAVATION AT 320-25 N MACCHESNEY CT.



PICTURE 3: VIEW OF THE COMPLETED CORROSION PROTECTION EXCAVATION 1 AT 358-59 E NORTH WATER ST.



PICTURE 4: VIEW OF THE COMPLETED CORROSION PROTECTION EXCAVATION 2 AT 358-59 E NORTH WATER ST.

