



AECOM
303 E. Wacker Drive, Suite 1400
Chicago, Illinois 60601

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

October 11, 2024

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

RE: Streeterville Thorium Monitoring Results – Manhole Adjustments for City Paving.
Permit Nos.: DOT1992950, DOT1992942, DOT1992955, DOT1997577, DOT199758
Permit Addresses: 152-459 E. Ohio St. and 500-559 N. McClurg Ct.

Dear Mr. Carlson:

Pursuant to conditions specified in the Right of Way (ROW) forms (Attachment 1) 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 September 12 and 13, 2024, for excavations at the referenced addresses to perform People's Gas facility adjustments (refer to annotated aerials included in Attachment 2). The excavations were 3x3 foot squares to depths between 1-3 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 a Ludlum Model 2221 survey meter and a shielded 2 x 2 inch NaI probe (Model 44-10). For the instrument used (Ludlum 2221, NaI probe with a short cord), the gamma count threshold indicative of the 7.1 pCi/g removal action level is 7,245 counts per minute (cpm) shielded (S/N: 326720, probe S/N: PR360158).

DOT1992950: 152-165 E Ohio St

Excavation 1

The excavation was located on the south side of E Ohio St. approximately 100 feet west of the western E. Ohio St. crosswalk at the N. St. Clair St. and E. Ohio St. intersection. Excavation was to a depth of about 3 feet. Field gamma measurements within this opening did not exceed the instrument threshold previously stated, and the maximum gamma counts for the lifts ranged from 1,311 to 2,575 cpm. The background gamma count of nearby exposed soil was 2,752 cpm shielded. 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.

Excavation 2

The excavation was located on the south side of E. Ohio St. at the western crosswalk at the N. St. Clair St. and E. Ohio St. intersection. Excavation was to a depth of about 3 feet. Field gamma measurements within this opening did not exceed the instrument threshold previously stated, and the maximum gamma counts for the lifts ranged from 1,734 to 2,018 cpm. The background gamma count of nearby exposed soil was 2,752 cpm shielded. 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.

DOT1997577: 200-259 E Ohio St

Excavation 1

Thorium screening was waived for permit DOT1997577 because thorium screening had been conducted previously at these locations. However, AECOM was present because of other work in the area at the time and conducted screening.

This excavation was located on the north side of E. Ohio St. approximately 40 feet east of the eastern E. Ohio St. crosswalk at the N. St. Clair St. and E. Ohio St. intersection. Excavation was to a depth of about 3 feet. Field gamma measurements within this opening did not exceed the instrument threshold previously stated, and the maximum gamma counts for the lifts ranged from 1,950 to 2,472 cpm. The background gamma count of nearby exposed soil was 2,752 cpm shielded. 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.

Excavations 2 and 3

The excavation area was located on the north side of E. Ohio St. approximately 20 feet east of the western E. Ohio St. crosswalk at the N. St. Clair St. and E. Ohio St. intersection. Excavation consisted of 2 adjacent 3x3 foot squares. Excavation was to a depth of 1 foot beneath the pavement. Field gamma measurements within the combined opening did not exceed the instrument threshold previously stated and the maximum gamma counts for the area was 1,462 cpm. The background gamma count of nearby exposed soil was 2,752 cpm shielded. 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.

DOT1992942: 300-359 E Ohio St

This permit included two excavations within the permit address range (refer to ROW form drawing). However, no excavations were required at these locations.

DOT1992955: 400-459 E Ohio St

Excavation 1

This excavation was located on E. Ohio St. on the north side of the street approximately 40 feet east of the N. McClurg Ct. curblin. Excavation was to a depth of about 3 feet. Field gamma measurements within this opening did not exceed the instrument threshold previously stated, and the maximum gamma counts for the lifts ranged from 2,108 cpm to 2,810 cpm. The background gamma count of nearby exposed soil was 2,185 cpm shielded. 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.

Excavations 2-4

These excavations were located on the north side of E. Ohio St. and east of the eastern E. Ohio St. crosswalk. Excavation was to a depth of about 3 feet. Excavation consisted of 3 adjacent facility adjustments. Field gamma measurements within these openings did not exceed the instrument threshold previously stated, and the maximum gamma counts for the lifts ranged from 1,890 cpm to 2,265 cpm. The background gamma count of nearby exposed soil was 2,185 cpm shielded. 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.

DOT1997580: 500-559 N McClurg Ct

Thorium screening was waived for permit DOT1997580 because prior thorium screening had been conducted at this location. However, AECOM was present for other screening work in the area at the time and conducted thorium screening. This excavation was located on N. McClurg Ct. on the east side of the street approximately 35 feet south of the E. Ohio St. curblin. Excavation was to a depth of about 3 feet. Field gamma measurements within this opening did not exceed the instrument threshold previously stated with the maximum gamma counts for the lifts ranging from 2,187 to 2,205 cpm. The background gamma count of nearby exposed soil was 2,185 cpm shielded. 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, annotated aerials, photographs and 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,



Elif Ulger
Environmental Engineer



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
Annotated Aerials, Photographs and Tabulated Gamma Results

ATTACHMENT 1

CDPH PERMIT FORMS



DEPARTMENT OF PUBLIC HEALTH
CITY OF CHICAGO

FORM NO. CDPH.ROW.04 (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.

Review all environmental and other information regarding the worksite provided by CDPH. Additional information regarding the aforementioned environmental contamination is available for review at https://www.epa.gov/lindsay-light. This environmental information must be reviewed and the remainder of this form completed before the permit can be issued if the ground will be 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 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 CDPH at (312) 745-8332 and the United States Environmental Protection Agency at (800) 424-8802.

Applicant Name (print): Maria G Oliver Signature: Maria G Oliver

Site Address and Work Location (Describe exact site location and attach map): 400-459 E Ohio St

Nature of Work: Adjusting facilities prior to CDOT paving B-3-717

Company Name, Address, Phone No.: Peoples Gas, 200 E Randolph St (312) 240-4692

General / Prime Contractor Name, Address, Phone No.: Randy Perez, 773-542-7825

Include subcontractor information if applicable

Safety Officer / Phone No. Kyle Carlson (414) 221-4076

Radiation Contractor / Phone No. (if applicable) Steve Kornder, AECOM, INC (262)515-7700

Check if City Department Work [] Department Name: n/a

CDOT Permit No.: DOT1992955

Today's Date: 9/5/24 Expected Start Date: 9/9/24 CDPH Approval / Date ahmad nur 09/06/2024

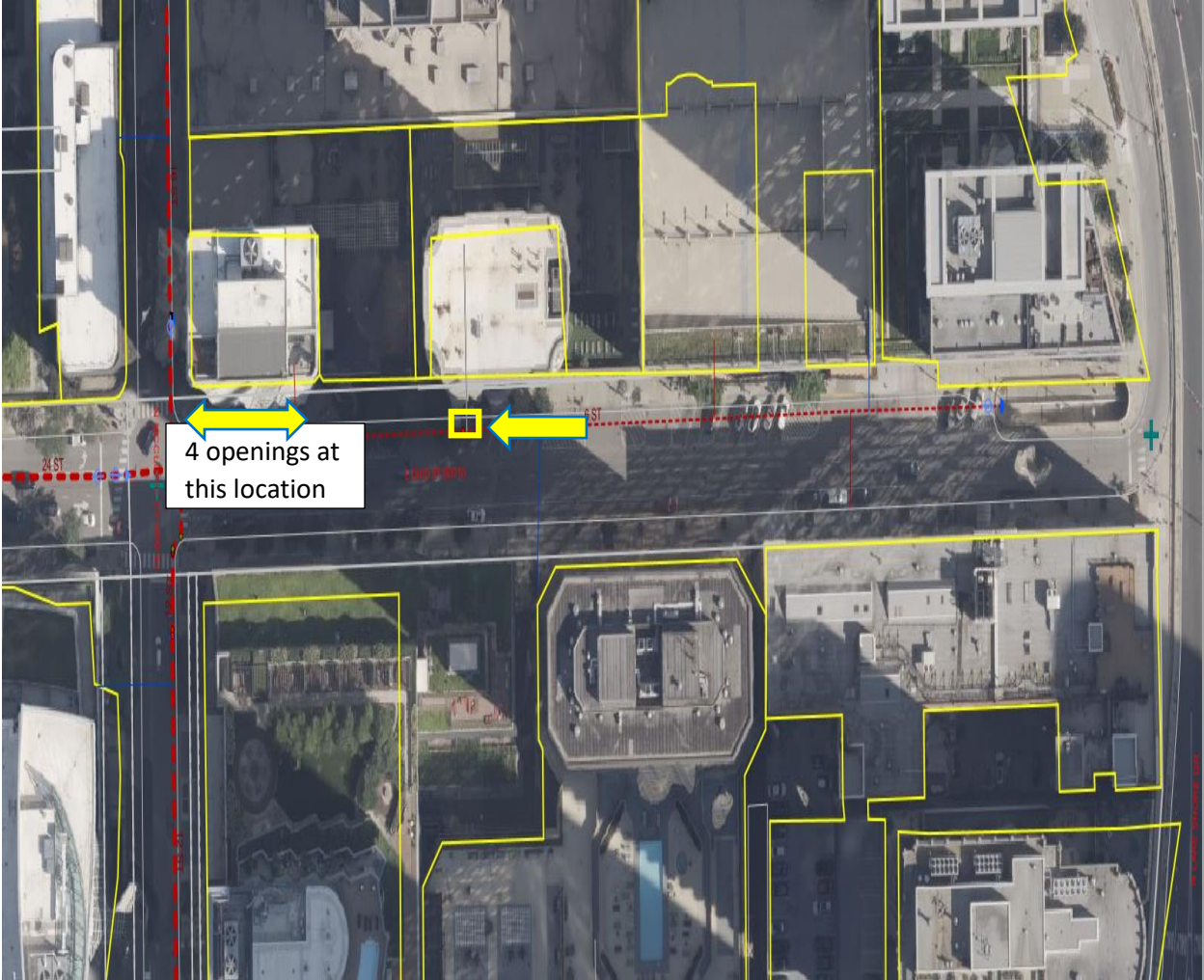
Please upload this form with detailed drawings as an attachment to the CDO T Public Way Opening Permit Application on the City of Chicago's Permit, Inspection, License, Registration, and 811 Chicago Portal (https://ipi.cityofchicago.org/profile) or send via e-mail to: radiation-monitoring@cityofchicago.org

For CDPH Use Only

400-459 E Ohio St Adjusting Facilities prior to CDOT paving

B-3-717

5-3x3 Street openings





DEPARTMENT OF PUBLIC HEALTH
CITY OF CHICAGO

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Applicant Name (print): Maria G Oliver Signature: Maria G Oliver

Site Address and Work Location (Describe exact site location and attach map): 300-359 E Ohio St

Nature of Work: Adjusting facilities prior to CDOT paving B-3-717

Company Name, Address, Phone No.: Peoples Gas, 200 E Randolph St (312) 240-4692

General / Prime Contractor Name, Address, Phone No.: Randy Perez, 773-542-7825

Include subcontractor information if applicable

Safety Officer / Phone No. Kyle Carlson (414) 221-4076

Radiation Contractor / Phone No. (if applicable) Steve Kornder, AECOM, INC (262)515-7700

Check if City Department Work [] Department Name:

CDOT Permit No.: DOT1992942

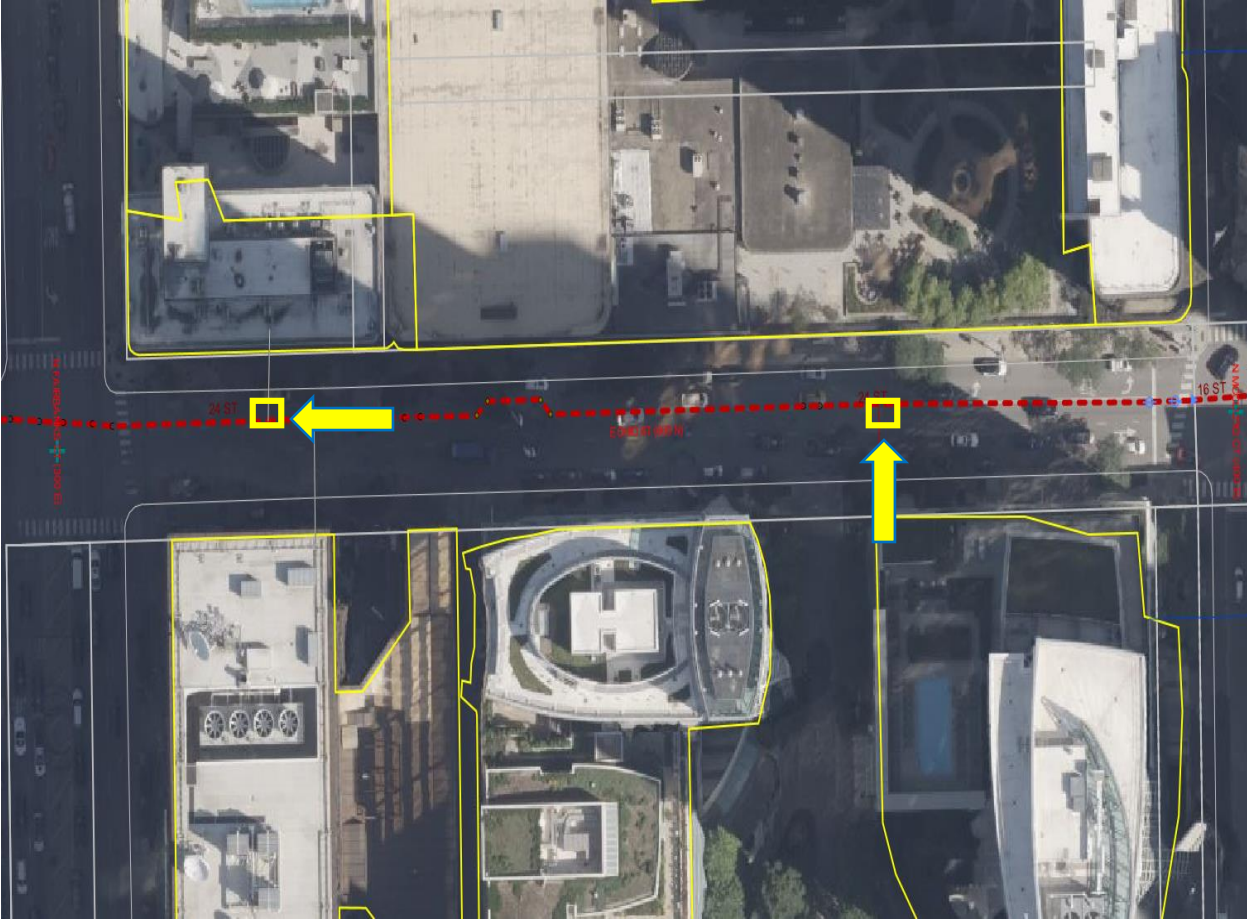
Today's Date: 9/5/24 Expected Start Date: 9/9/24 CDPH Approval / Date ahmad nur 09/06/2024

Please upload this form with detailed drawings as an attachment to the CDO T Public Way Opening Permit Application on the City of Chicago's Permit, Inspection, License, Registration, and 811 Chicago Portal (https://ipi.cityofchicago.org/profile) or send via e-mail to: radiation-monitoring@cityofchicago.org

For CDPH Use Only

300-359 E Ohio St Adjusting Facilities prior to CDOT paving

B-3-717 2-3x3 Street openings





DEPARTMENT OF PUBLIC HEALTH
CITY OF CHICAGO

FORM NO. CDPH.ROW.04 (STREETERVILLE Right-of-Way)

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Applicant Name (print): Maria G Oliver Signature: Maria G Oliver

Site Address and Work Location (Describe exact site location and attach map): 152-165 E Ohio St

Nature of Work: Adjusting facilities prior to CDOT paving B-3-717

Company Name, Address, Phone No.: Peoples Gas, 200 E Randolph St (312) 240-4692

General / Prime Contractor Name, Address, Phone No.: Randy Perez, 773-542-7825

Include subcontractor information if applicable

Safety Officer / Phone No. Kyle Carlson (414) 221-4076

Radiation Contractor / Phone No. (if applicable) Steve Kornder, AECOM, INC (262)515-7700

Check if City Department Work [] Department Name: n/a

CDOT Permit No.: DOT1992950

Today's Date: 9/5/24 Expected Start Date: 9/9/24 CDPH Approval / Date ahmad nur 09/06/2024

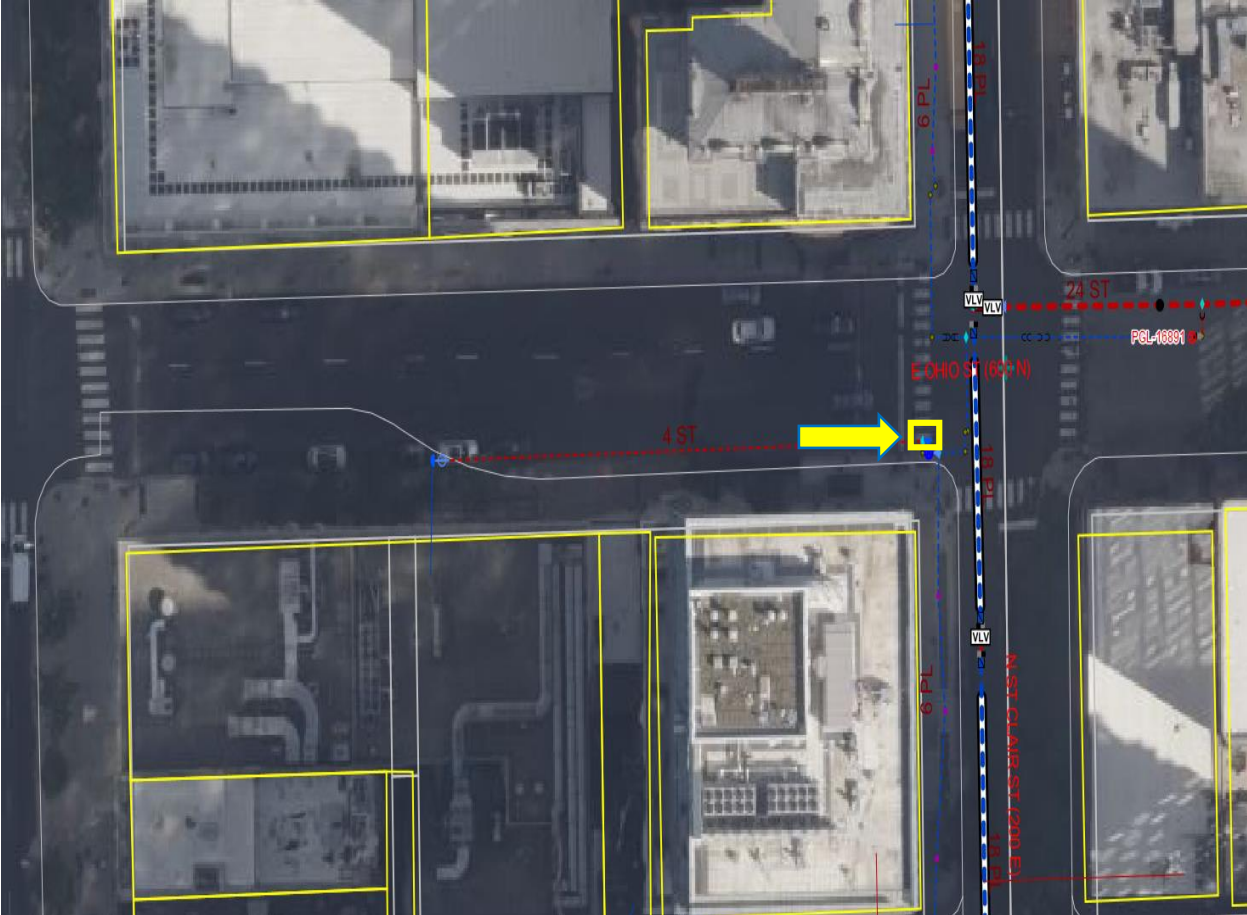
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For CDPH Use Only

152-165 E Ohio St Adjusting Facility prior to CDOT paving

B-3-717

1-3x3 Street openings





DEPARTMENT OF PUBLIC HEALTH
CITY OF CHICAGO

FORM NO. CDPH.ROW.04 (STREETERVILLE Right-of-Way)

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Applicant Name (print): Maria G Oliver Signature: Maria G Oliver

Site Address and Work Location (Describe exact site location and attach map): 200-259 E Ohio St

Nature of Work: Adjusting facilities prior to CDOT paving B-3-717

Company Name, Address, Phone No.: Peoples Gas, 200 E Randolph St (312) 240-4692

General / Prime Contractor Name, Address, Phone No.: Peoples Gas, Randy Perez (773) 542-7825

Include subcontractor information if applicable

Safety Officer / Phone No. Kyle Carlson (414) 221-4076

Radiation Contractor / Phone No. (if applicable) Steve Komder, AECOM, INC (202) 515-7700 N/A

Check if City Department Work [] Department Name: n/a

CDOT Permit No.: DOT1997577

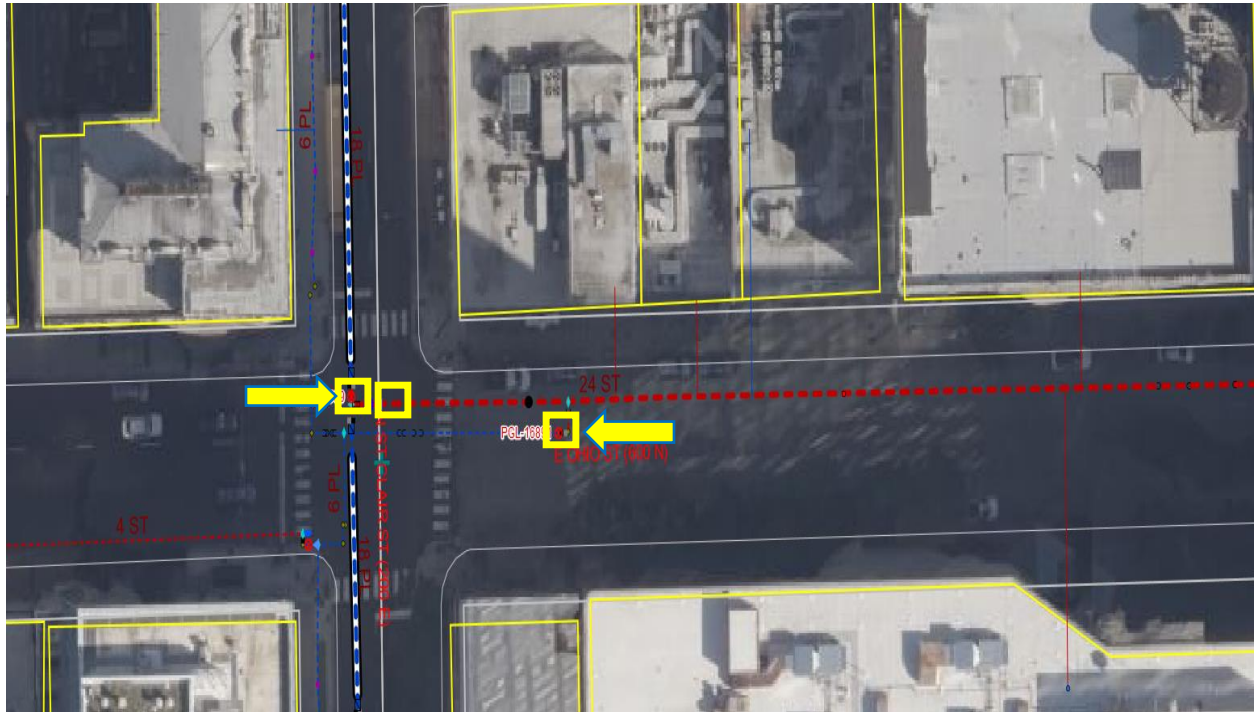
Today's Date: 9/13/24 Expected Start Date: 9/17/24 CDPH Approval / Date ahmad nur 09/16/2024

Please upload this form with detailed drawings as an attachment to the CDO T Public Way Opening Permit Application on the City of Chicago's Permit, Inspection, License, Registration, and 811 Chicago Portal (https://ipi.cityofchicago.org/profile) or send via e-mail to: radiation-monitoring@cityofchicago.org

For CDPH Use Only Radiation monitoring is not required; Monitoring has been performed at subject location (see map), as reported in AECOM Radiological Survey Report, dated August 21, 2009. -A.N. 9/16

200-259 E Ohio St
paving B-3-717

Adjusting facilities prior to CDOT
3-3x3 Street openings





DEPARTMENT OF PUBLIC HEALTH
CITY OF CHICAGO

FORM NO. CDPH.ROW.04 (STREETERVILLE Right-of-Way)

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Applicant Name (print): Maria G Oliver Signature: Maria G Oliver

Site Address and Work Location (Describe exact site location and attach map): 500-559 N McClurg Ct

Nature of Work: Adjusting facilities prior to CDOT paving B-3-717

Company Name, Address, Phone No.: Peoples Gas, 200 E Randolph St (312) 240-4692

General / Prime Contractor Name, Address, Phone No.: Peoples Gas, Randy Perez (773) 542-7825

Include subcontractor information if applicable

Safety Officer / Phone No. Kyle Carlson (414) 221-4076

Radiation Contractor / Phone No. (if applicable) Steve Komder, AECOM, INC (202) 515-7700 N/A

Check if City Department Work [] Department Name: n/a

CDOT Permit No.: DOT1997580

Today's Date: 9/13/24 Expected Start Date: 9/17/24 CDPH Approval / Date ahmad nur 09/16/2024

Please upload this form with detailed drawings as an attachment to the CDO T Public Way Opening Permit Application on the City of Chicago's Permit, Inspection, License, Registration, and 811 Chicago Portal (https://ipi.cityofchicago.org/profile) or send via e-mail to: radiation-monitoring@cityofchicago.org

For CDPH Use Only Radiation monitoring is not required as monitoring has been performed at subject location (see map), as reported in AECOM Radiological Survey Report, dated August 2, 2018. -A.N. 9/16

500-559 N McClurg Ct Adjusting facilities prior to CDOT paving B-717
paving B-717 3x3 Street opening



ATTACHMENT 2

ANNOTATED AERIAL, PHOTOGRAPHS AND TABULATED GAMMA RESULTS

**Gamma Survey Results
People's Gas**

Survey Equipment

CDOT No:	1992950 & 1997577
Ludlum 2221 S/N:	326720
Ludlum Probe S/N	PR360158
Cutoff (cpm)	7,245
Site 1 Background (cpm)	2,752
Site 2 Background (cpm)	1,858
Site 3 Background (cpm)	2,681
Personnel:	E. Ulger
Date of Screening:	9/12/2024

Survey Results

Location	Depth (inches)	Maximum Readings (cpm)
DOT1992950 152-165 E Ohio St Excavation 1	0-9	Asphalt & Concrete
	9	1,547
	18	1,311
	36	2,575
DOT1992950 152-165 E Ohio St Excavation 2	0-10	Asphalt & Concrete
	10	1,734
	18	2,010
	36	2,018
DOT1997577 200-259 E Ohio St Excavation 1	0-10	Asphalt & Concrete
	10	2,472
	18	1,950
	36	2,345
DOT1997577 200-259 E Ohio St Excavations 2 and 3	0-12	Asphalt & Concrete
	12	1,462

Gamma Survey Results People's Gas

Survey Equipment

CDOT No:	1992955 & 1997580
Ludlum 2221 S/N:	326720
Ludlum Probe S/N	PR360158
Cutoff (cpm)	7,245
Site 1 Background (cpm)	1,265
Site 2 Background (cpm)	1,397
Site 3 Background (cpm)	2,185
Personnel:	S. Flanagan & D. Gohr
Date of Screening:	9/13/2024

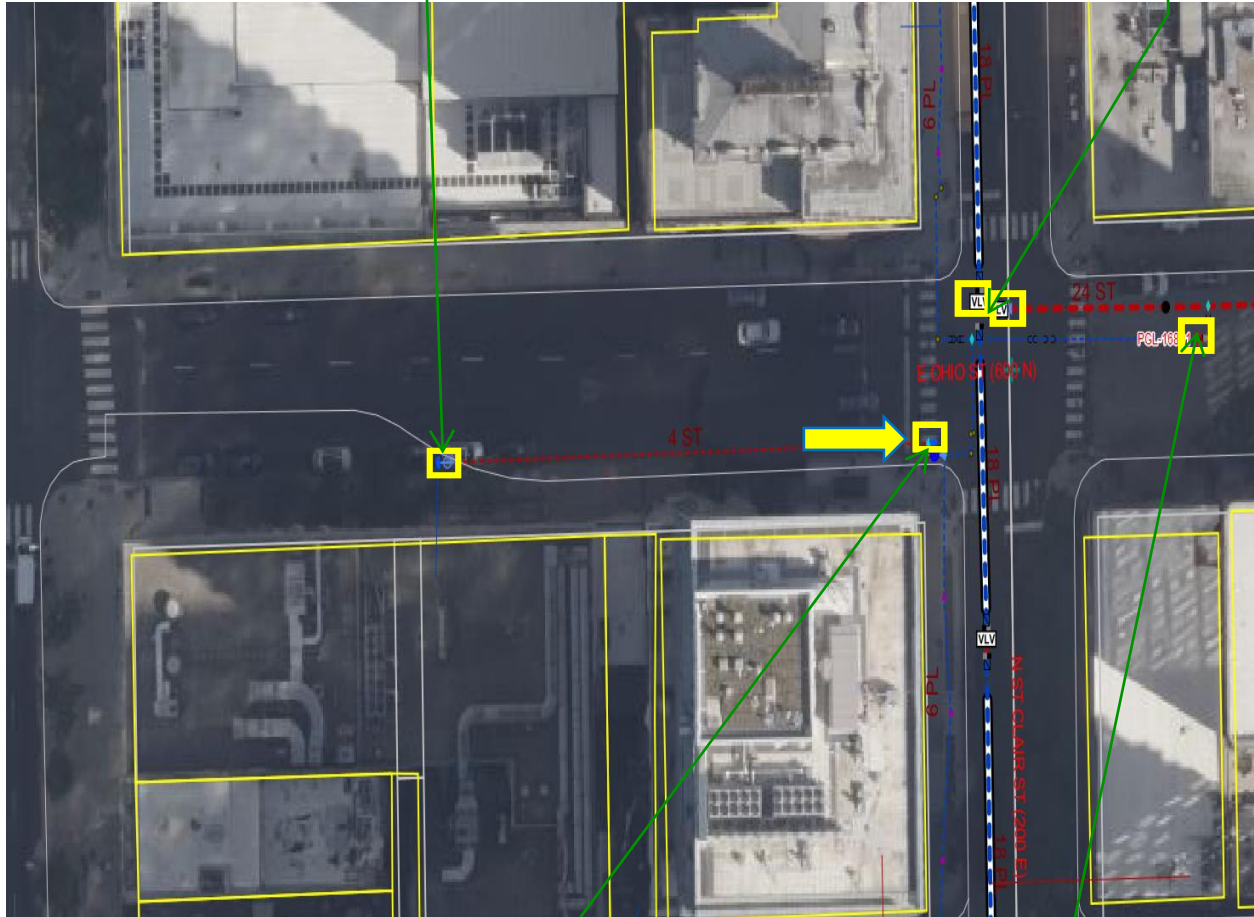
Survey Results

Location	Depth (inches)	Maximum Readings (cpm)
DOT1992955 400-459 E Ohio St Excavation 1	0-16	Concrete
	16	2,108
	34	2,810
DOT1992955 400-459 E Ohio St Adjacent Excavations 2-4	0-18	Asphalt & Concrete
	18	2,265
	36	1,890
DOT1997580 500-559 N McClurg Ct	0-18	Asphalt & Concrete
	18	2,187
	36	2,205

Vicinity of E. Ohio St. and N. St. Clair St.

152-165 E Ohio St
DOT1992950
Excavation #1 (test station adjustment)
Broke pavement and excavated to a depth of 36".

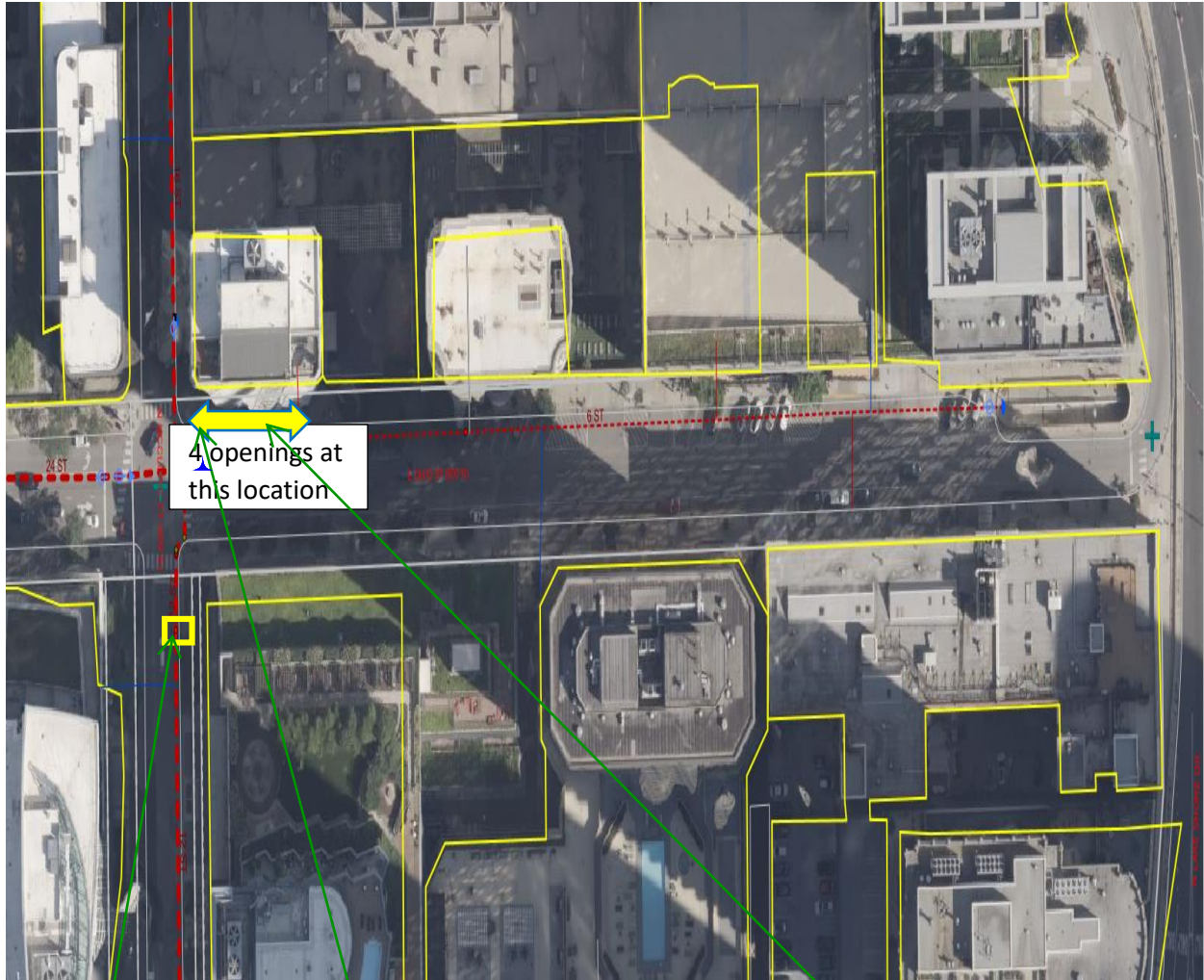
200-259 E Ohio St
DOT1997577
Excavations #2 & #3 (2 adjacent manhole adjustments)



152-165 E Ohio St
DOT1992950
Excavation #2 (valve adjustment)
Broke pavement and excavated to a depth of 36".
Readings were low.

200-259 E Ohio St
DOT1997577
Excavation #1 (valve adjustment)
Broke pavement and excavated to a depth of 36".
Readings were low.

Vicinity of E. Ohio St. and N. McClurg Ct.



500-559 N McClurg Ct
DOT1997580

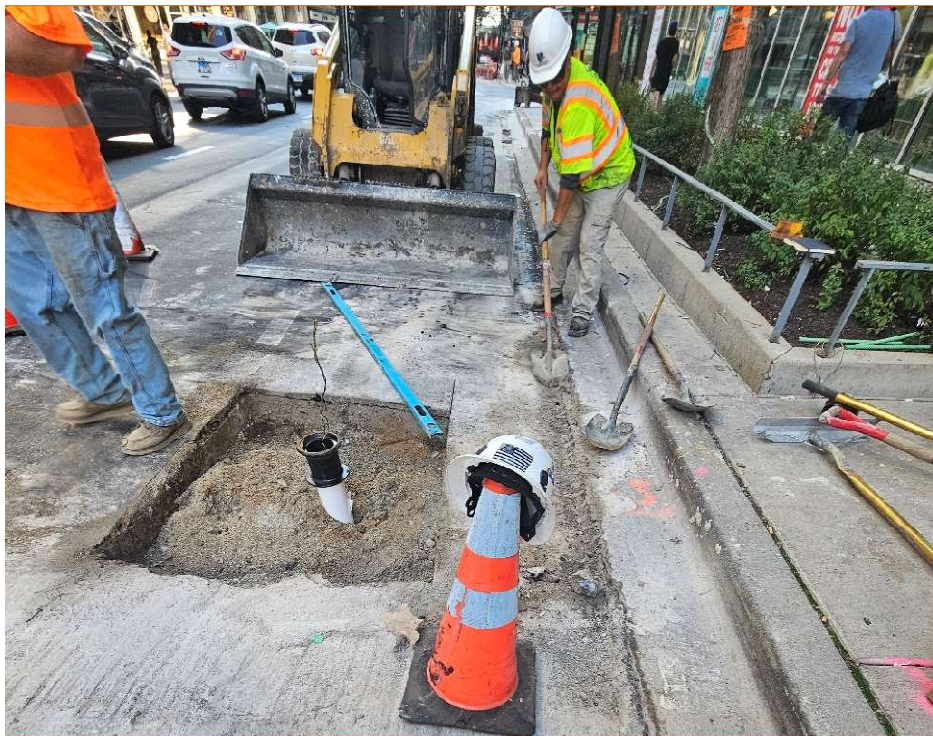
400-459 E Ohio St
DOT1992955
Excavations 2-4 (3 adjacent holes)

400-459 E Ohio St
DOT1992955
Excavation 1

PICTURE 1: DOT1992950 - EXCAVATION 1 BEFORE EXCAVATION



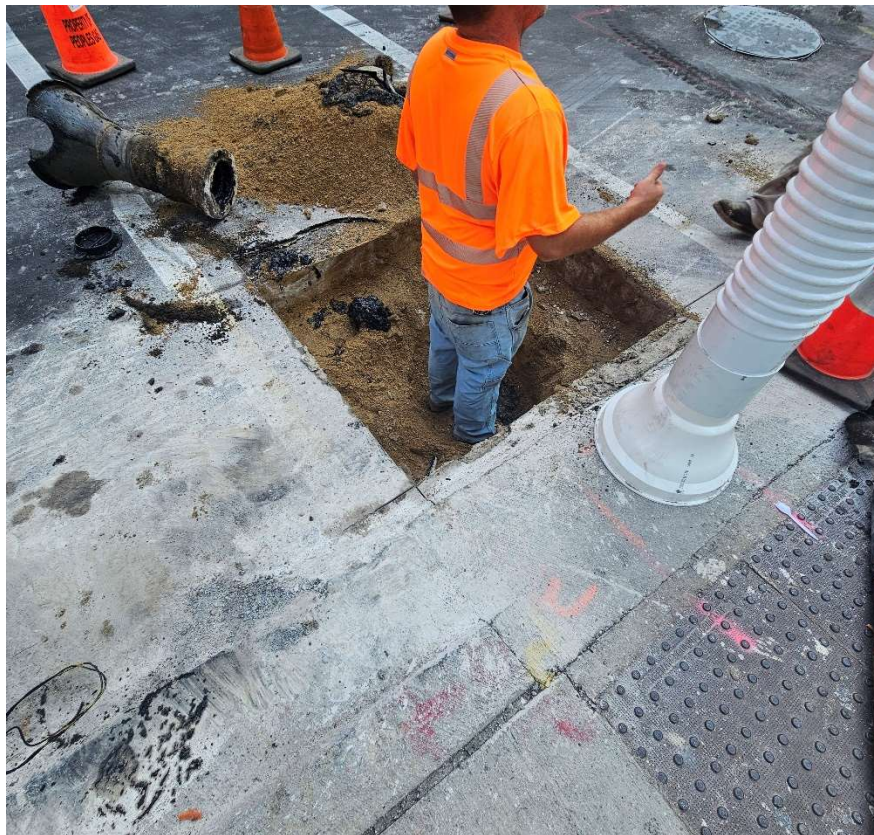
PICTURE 2: DOT1992950 - EXCAVATION 1 AFTER EXCAVATION



PICTURE 3: DOT1992950 - EXCAVATION 2 BEFORE EXCAVATION



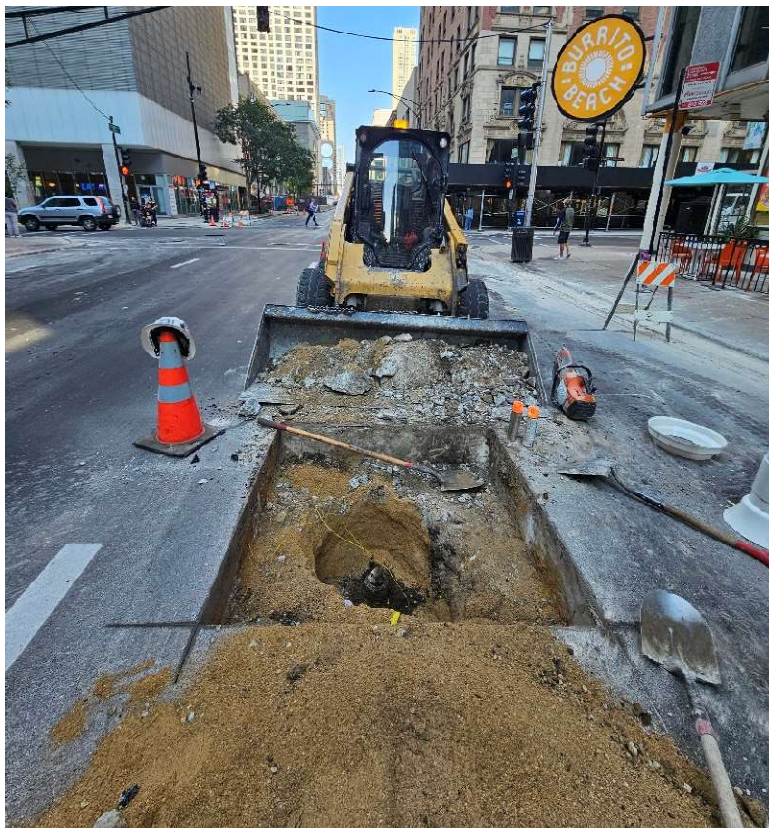
PICTURE 4: DOT1992950 - EXCAVATION 2 DURING EXCAVATION



PICTURE 5: DOT1997577 - EXCAVATION 1 BEFORE EXCAVATION



PICTURE 6: DOT1997577 - EXCAVATION 1 DURING EXCAVATION



PICTURE 7: DOT1997577 - EXCAVATION 2 & 3 BEFORE EXCAVATION



PICTURE 8: DOT1997577 - EXCAVATION 2 & 3 AFTER EXCAVATION



PICTURE 9: DOT1997580 - BEFORE EXCAVATION



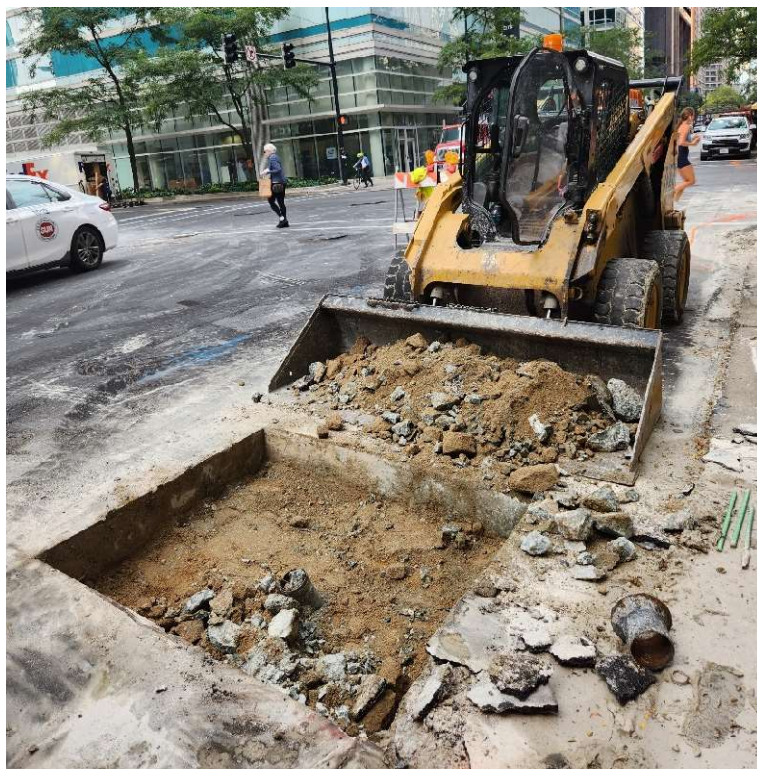
PICTURE 10: DOT1997580 - AFTER EXCAVATION



PICTURE 11: DOT1992955 – EXCAVATION 1 BEFORE EXCAVATION



PICTURE 12: DOT1992955 – EXCAVATION 1 AFTER EXCAVATION



PICTURE 13: DOT1992955 – EXCAVATIONS 2-4 BEFORE EXCAVATION



Ohio & McClurg (NE)