



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

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

August 2, 2018

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

RE: Cut-off and Replacement of Valve Cluster
Permit No.: DOT955798, DOT960283 and DOT978674
Permit Address: 600 N. McClurg Ct. and 402-412 E Grand Ave., Chicago, Illinois
AECOM Project No. 60157647.105

Dear Mr. Jouras:

Pursuant to conditions specified in the permits (see attached) issued by the City of Chicago, radiation monitoring was required to be performed at the above referenced sites. AECOM Technical Services, Inc. (AECOM) provided the required radiation surveillance between June 15 and July 19, 2018 during multiple excavations associated with valve cluster replacements. Additionally, AECOM provided oversight on July 27, 2018 for a leak detection repair discovered upon completion of the valve cluster replacement.

Surveying was performed on the fill removed at 600 N. McClurg Ct., directly at the northeast intersection of E. Ohio St. and N. McClurg Ct., with additional related excavations along N. McClurg Ct. as well as E. Grand Ave. The excavations were conducted to address a replacement and repair of a valve cluster. The work consisted of several interconnected and independent excavations with various dimensions and depths, depending on the location of a particular trench excavation. Generally, the excavations were no bigger than 20-feet by 20-feet, to a depth of 24 to 78-inches below ground surface (bgs). Final excavation occurred on July 27, 2018 at trench #5 after detection of a leak. The trench was excavated additional 2-feet bgs to repair the leak. Refer to the attached sketches for the location of the excavations.

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 7,293 (S/N: 326720) counts per minute (cpm) shielded. Background measured in the vicinity of the excavations was 1,400 – 2,100 cpm shielded.

The field gamma measurements within the trench and for the spoil produced during the excavation process did not exceed the instrument threshold previously stated and ranged from a minimum of 1,200 cpm to a maximum of 5,200 cpm shielded. The general subsurface stratigraphy during the excavation was composed of 1-inch stone, tan fill sand and urban fill. 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 permits and sketches documenting the areas where work was performed as well as the gamma results are included as attachments.

Permit No.: DOT955798, DOT960283 and DOT978674
Permit Address: 600 N. McClurg Ct. and 402-412 E Grand Ave
Page 2

As part of the permit conditions, this letter has been forwarded to:

Chicago Department of Public Health
Attention: Mr. Terry Sheahan
333 South State Street, Room 200
Chicago, Illinois 60604

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: Terry Sheahan, Chicago Department of Public Health
Verneta Simon, USEPA

Attachments: Permits
Sketches and Results

PERMITS



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 G. Oliver Signature: Maria G. Oliver
Site Address and Work Location (Describe exact site location and attach map): 600 N McClurg Ct.

Nature of Work: Performing cut-out & replacement of Valve, Chester
Company Name, Address, Phone No.: Peoples Gas, 200 E. Randolph (312) 240-4692
General / Prime Contractor Name, Address, Phone No.: Mike Crosby (708) 243-7802
Include subcontractor information if applicable
Safety Officer / Phone No. Liveida Housalve (773) 794-6869
Radiation Contractor / Phone No. (if applicable) Steve Koruder, AECOM, Inc. (262) 515-7700

Check if City Department Work Department Name: _____

CDOT Permit No.: DOT 95 7798
Today's Date: 6/1/18 Expected Start Date: 6/11/18 CDPH Approval / Date Issued 6-7-18

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

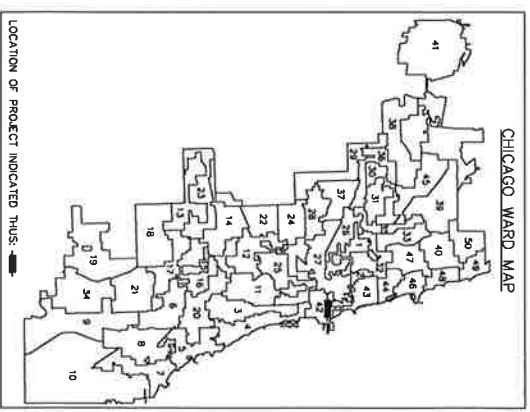
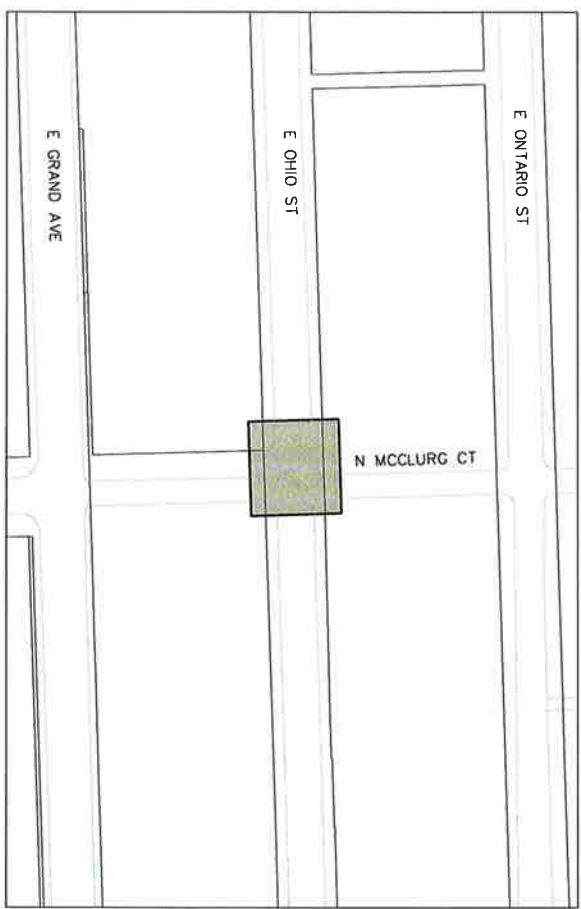
CENTRAL SHOP C-0000-01-SI-CN04324 400 E OHIO ST SYSTEM IMPROVEMENT PROPOSED INSTALLATION & RETIREMENT

INDEX OF SHEETS

DRAWING NO.	SHEET NO.	TITLE
G1	1	TITLE SHEET
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G3	3	GENERAL NOTES
G4	4	SYMBOLS AND SPECIFICATIONS
C1	5	INSTALLATION PLAN
C1A	6	INSTALLATION PROFILE
R1	7	RETIREMENT PLAN
R1	8	RESTORATION PLAN
R2	9	RESTORATION DETAILS
T1	10	TRAFFIC CONTROL PLAN
T2-T3	11-12	TRAFFIC CONTROL DETAILS

PROJECT DESCRIPTION AND SCOPE OF WORK:
 INSTALL: 6" STUP, 8" STUP, 16" STUP
 RETIRE: 6" STUP, 8" STUP, 16" STUP
 LOCATION: INTERSECTION OF E OHIO ST & N MCCLURG CT

- STANDARDS:**
- GDOT RULES & REGULATIONS FOR CONSTRUCTION IN THE PUBLIC WAY MARCH 2016
 - I-001 HIGHWAY STANDARDS #



1" = 20'
 FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES BEING REFERRED TO IN MARKING MEASUREMENTS ON REDUCED PLANS. THE ABOVE SCALES MAY BE USED.

DIGGER: 312-744-7000
 CONTRACTOR SHALL CALL DIGGER TWO (2) WORKING DAYS (48 HOURS) BEFORE DIGGING.

PIPE INSTALLATION AND RETIREMENT			
PIPE INSTALLATION	ESTIMATED	PIPE RETIREMENT	ESTIMATED
6" STUP GAS MAIN	5'	6" STUP GAS MAIN	5'
8" STUP GAS MAIN	40'	8" STUP GAS MAIN	40'
16" STUP GAS MAIN	38'	16" STUP GAS MAIN	38'
TYPICAL SERVICE TRANSFER	0	TOTAL SERVICE TRANSFER	0
LONGSIDED SERVICE TRANSFER	0		
METER TRANSFERS	0		

RESTORATION E.O.M.	ESTIMATED
ADA REPLACEMENTS	0
ASPHALT RESTORATION	7,125'

REG. ASP. INC.
 CMC#C-0000-01-SI-CN04324
 5/23/2018
 REGISTERED PROFESSIONAL ENGINEER

Primera

DESIGNED BY: JRB
 DRAWN BY: SSI
 CHECKED BY: MIM
 DATE: 08-28-2017

SCALE: N.T.S. KEY: DATE: BY:

PEOPLES GAS.
 NATURAL GAS DELIVERY

CENTRAL SHOP
 C-0000-01-SI-CN04324
 400 E OHIO ST SYSTEM IMPROVEMENT
 PROPOSED INSTALLATION & RETIREMENT
 TITLE SHEET

OP# PROJECT NUMBER: 10170791
 BCL NUMBER: 4324
 DP# PROJECT NUMBER: 249890
 WK# NUMBER: 249890
 DRAWING NO: G1
 SHEET NO: 1 OF 12



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): 355-405 E. Ohio

Nature of Work: Replacing gas main and fittings

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

General / Prime Contractor Name, Address, Phone No.: Mike Crosby (708) 243-7802

Include subcontractor information if applicable) Safety Officer / Phone No. Liveida Monsalve (773) 794-6869

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

Check if City Department Work Department Name: _____

CDOT Permit No.: DOT960283

Today's Date: 6/12/18 Expected Start Date: 6/14/18 CDPH Approval / Date J Sheehan 6.12.18

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)

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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): 402-412 E. Grand Av

Nature of Work: Gas main replacement

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

General / Prime Contractor Name, Address, Phone No.: Mike Crosby (708) 243-7802
Include subcontractor information if applicable)

Safety Officer / Phone No. Gyldnis King (312) 240-4464

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

Check if City Department Work Department Name: _____

CDOT Permit No.: DOT 978674

Today's Date: 7/12/18 Expected Start Date: 7/23/18 CDPH Approval / Date: J Sheahan 7-12-18

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

CENTRAL SHOP C-0000-01-SI-CN04324 400 E OHIO ST SYSTEM IMPROVEMENT PROPOSED INSTALLATION & RETIREMENT

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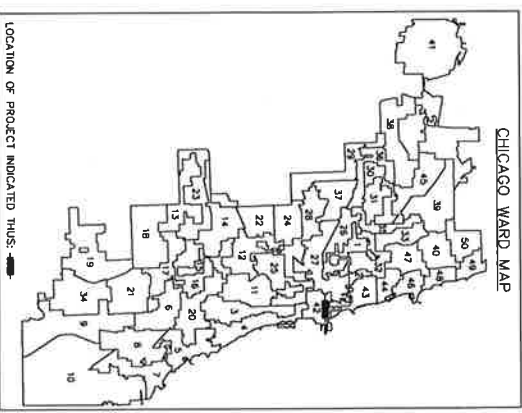
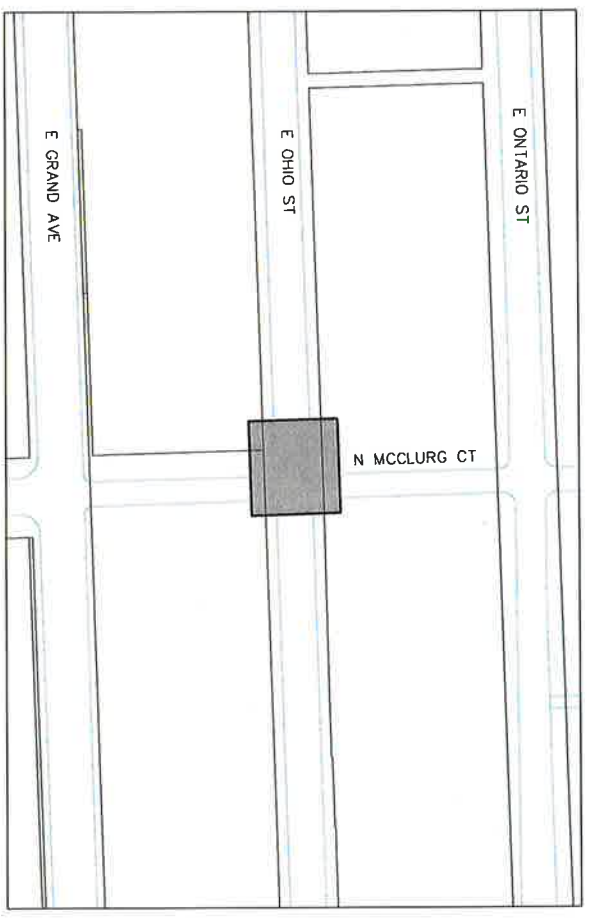
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- CDD RULES & REGULATIONS FOR ALL WORK IN THE PUBLIC WAY MARCH 2016
 - IDOT HIGHWAY STANDARDS #



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD CONVENTIONS AND SCALES. ALL DIMENSIONS ARE TO CENTER UNLESS OTHERWISE NOTED. ALL DIMENSIONS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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TYPICAL SERVICE TRANSFER	0	TOTAL SERVICE TRANSFER	0
LONGSHOULDER SERVICE TRANSFER	0		
METER TRANSFERS	0		

RESTORATION B.O.M.	ESTIMATED
ADA REPLACEMENTS	0
ASPHALT RESTORATION	7,135'

IRL-5897-ISE
 CWP-C-0000-01-SI-CN04324
 5/23/2018
 RESTORATION CONTRACT VALUE

Primera
 PROJECT MANAGER
 PROJECT ENGINEER
 PROJECT SUPERVISOR

DESIGNED BY: JDB
 DRAWN BY: JSJ
 CHECKED BY: MWJ
 DATE: 06-28-2017
 SCALE: N.T.S.

PEOPLES GAS
 NATURAL GAS DELIVERY

CENTRAL SHOP
 C-0000-01-SI-CN04324
 400 E OHIO ST SYSTEM IMPROVEMENT
 PROPOSED INSTALLATION & RETIREMENT
 TITLE SHEET

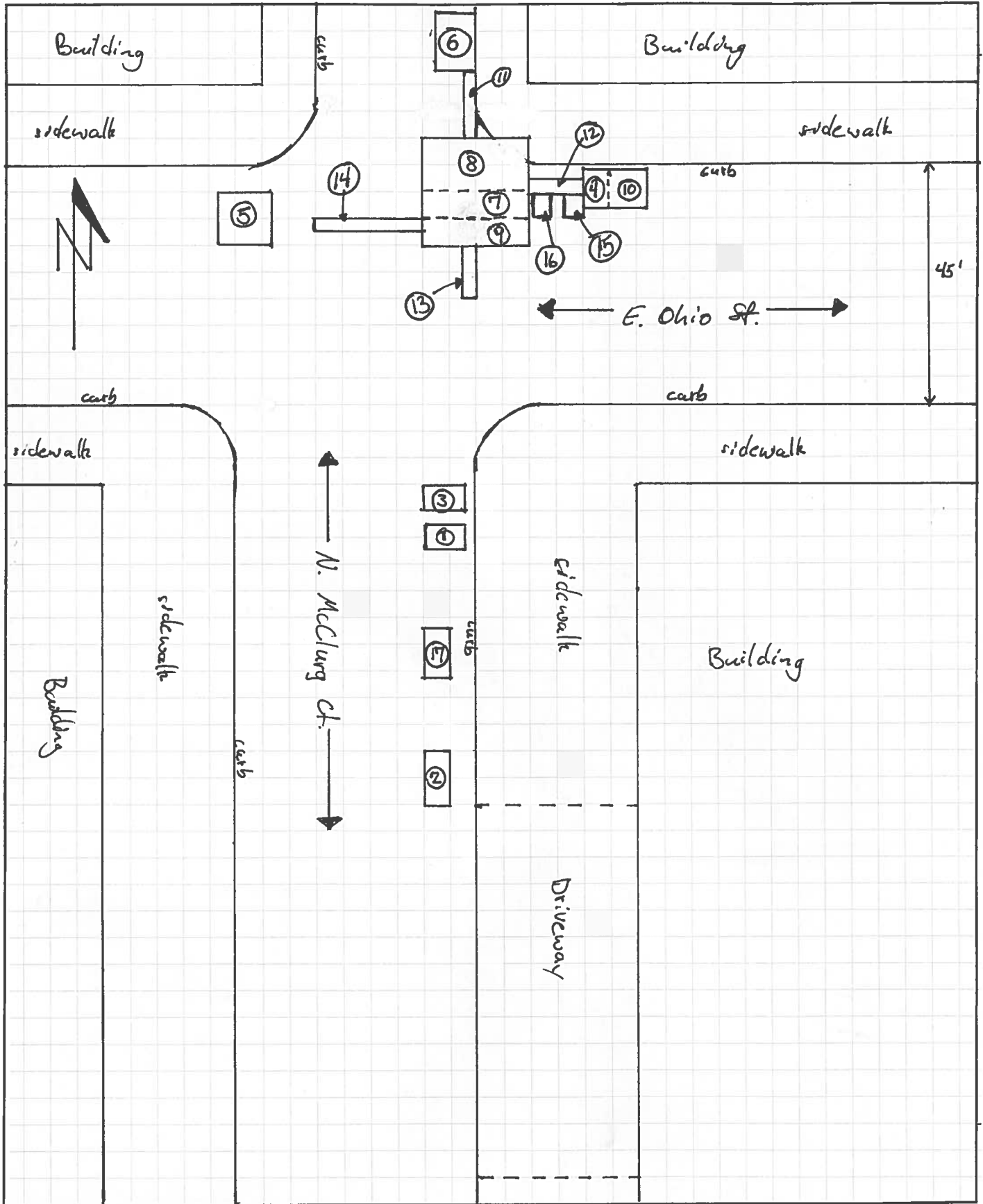
DC NUMBER	DATE	BY	DESCRIPTION

DC NUMBER	DATE	BY	DESCRIPTION

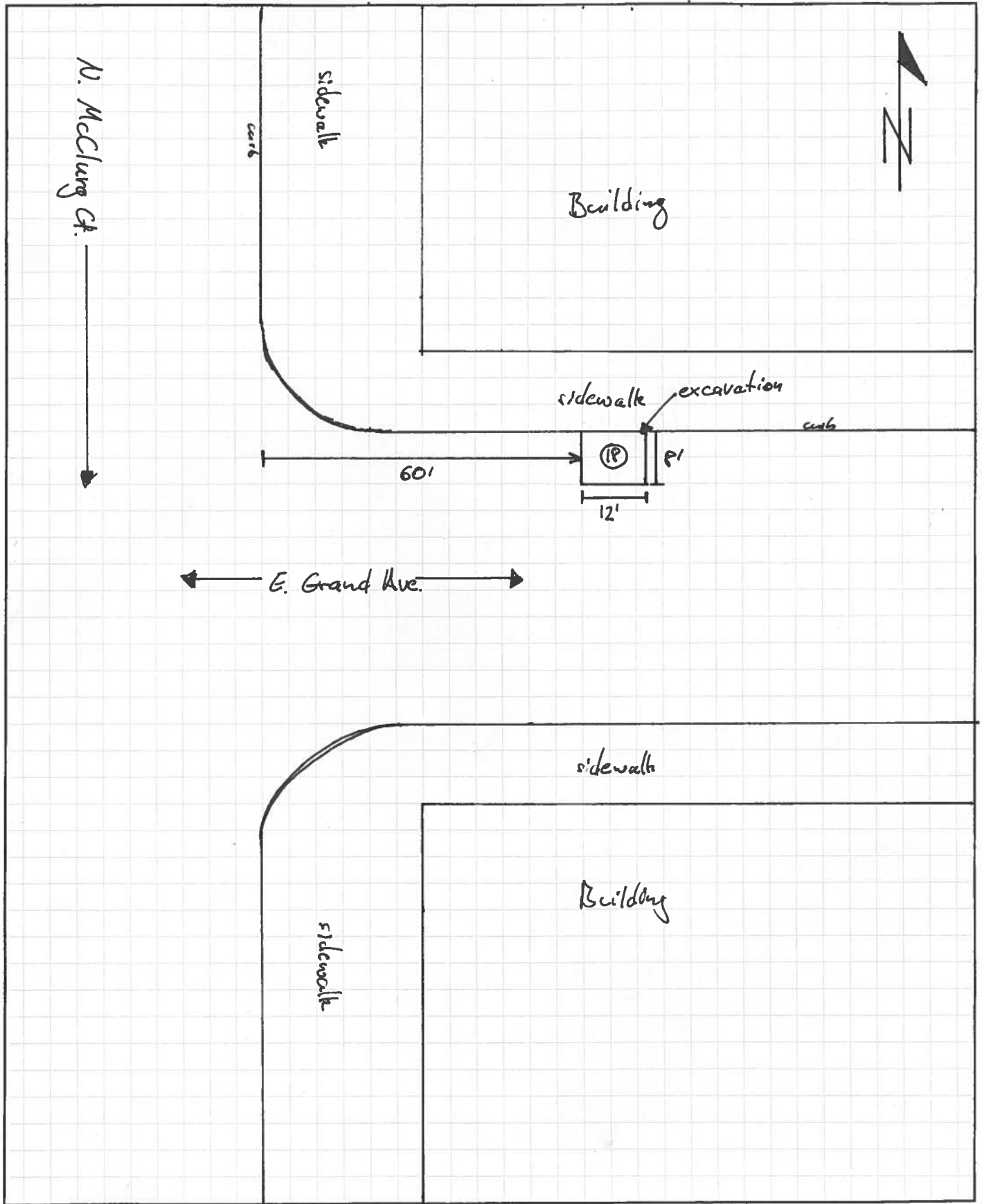
DC NUMBER	DATE	BY	DESCRIPTION

SKETCHES AND RESULTS

JOB TITLE People's Gas - 600 N. McClung Ct.
JOB NO. 60/57647.105 CALCULATION NO. _____
ORIGINATOR A. Kozak DATE 6/15 - 7/19
REVIEWER S. Kornder DATE 7/25/18
SCALE 1 box = 5-feet SHEET NO. 1 OF 2



JOB TITLE People's Gas - 600 N. McClurg Ct.
JOB NO. 60157647.105 CALCULATION NO. _____
ORIGINATOR A. Kozak DATE 6/15-7/19
REVIEWER S. Koruder DATE 7/25/18
SCALE _____ SHEET NO. 2 OF 2



Gamma Survey Results
600 N. McClurg Ct..
People's Gas

Survey Equipment

Ludlum 2221 S/N:	326720
Probe 2x2 NaI S/N:	PR360158
shielded cutoff:	7,293 cpm
background:	1,400 - 2,100
Personnel:	K. Korczak
Date of Screening:	6.15.18-7.19.18, 7.27.18
Permit #:	DOT955798 / DOT960283

Survey Results

Section	Depth (inches)	Readings (CPM)
1	0	concrete
	12	1600-2500
	30	1800-2600
	48	1800-2200
2	0	concrete
	12	1600-2000
	30	1800-2200
	48	2200-3700
3	0	concrete
	12	2000-3000
	24	2300-3500
4	0	concrete
	12	1600-2300
	30	1800-2700
	48	1900-2900
	48-72 (spoil)	2200-4200
5	0	concrete
	12	2100-2700
	30	2400-3600
	48	3100-4700
	60	1700-3300
6	0	concrete
	12	1200-1900
	30	1900-3100
	48	2200-3600
	66	2800-3700
	78	3100-5200
7	0	concrete
	12	1600-2200
	30	2000-3300
8	0	concrete
	12	1300-2100
	30	1800-3000
	48	1200-2500
	66	1600-2700
	60-72 (spoil)	1800-4000
9	0	concrete
	12	1400-2400
	30	1300-2700

Gamma Survey Results
600 N. McClurg Ct..
People's Gas

	48	1400-2200
	60	1800-2400
	60-72 (spoil)	1800-4000
10	0	concrete
	12	1400-3000
	30	2700-4000
	48	2200-3400
	48-72 (spoil)	2400-3800
11	0	concrete
	16	1200-2400
	34	1600-2800
	48	1600-3000
12	0	concrete
	12	1300-2300
	30	
13	0	concrete
	16	1100-1700
	34	1400-2400
14	0	concrete
	16	1500-2500
	34	1400-2700
15	0	concrete
	16	1400-2200
	34	1800-2600
16	0	concrete
	16	1200-2100
	34	1600-2800
17	0	concrete
	16	1300-2400
	34	1900-2700
	48	1700-2900
18	0	concrete
	15	1900-3200
	32	2400-3600