



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

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

959013

July 12, 2020

Mr. Jeff Musil
Project Manager
John Burns Construction Company
17601 Southwest Highway
Orland Park, IL 60467

RE: Streeterville Thorium Monitoring Results – Small Cell Site
CDPH Permit No.: CDOT1250968
Permit Address: 401 N. McClurg Ct., Chicago, Illinois
AECOM Project No. 60616106

Dear Mr. Musil:

Pursuant to conditions specified in the ROW form (attached) issued by the City of Chicago Department of Public Health (CDPH), radiation monitoring was required to be performed at the above referenced site. AECOM Technical Services, Inc. (AECOM) provided the required radiation surveillance on June 17-19, 22 and 24, 2020 for excavation required to install fiber and power conduit for a small cell site at 401 N. McClurg Ct. (refer to map included with ROW form).

Surveying was performed in an open trench cut into the right of way near the intersection of McClurg Ct. and North Water St. Surveying was also performed in a pole foundation excavation at the southeast corner of the intersection. Refer to the attached photographs and drawing attached to the CDPH form for the approximate location of the excavations. The trench excavation was approximately 3-foot wide, 150-foot long, and excavated to a depth of 32-inches. Screening was performed every 15-feet of trench at 12-inch depth intervals for a total of 14 sections (see attached drawing and the gamma results table). The pole foundation was approximately 3 by 3 feet and excavated to a depth of approximately 10 feet.

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 6,818 (S/N: 326726) counts per minute (cpm) shielded utilizing a short cord and 4,991 cpm shielded with a long cord. The field instrument fill soil background measured nearby was 2,050 cpm long cord and 2,800 cpm short cord.

Field gamma measurements within the excavation openings did not exceed the instrument thresholds previously stated and ranged from 1,560 cpm to a maximum reading of 3,040 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 copy of the CDPH form, photographs and the tabulated gamma results are included as attachments.

As part of the permit conditions, a PDF copy of this letter will be forwarded to Terry Sheahan (CDPH) and Verneta Simon (USEPA) to fulfill the requirements of the CDPH.

Permit No.: CDOT1250968
Permit Address: 401 N. McClurg Ct., Chicago, IL
Page 2

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

Attachments: CDPH Permit Form and Map
Photographs and Gamma Results

CDPH PERMIT FORM



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): Jeffrey Musil, for John Burns Construction, on behalf of AT&T Signature: Jeffrey Musil

Site Address and Work Location (Describe exact site location and attach map): 401 N. McClurg Ct., Chicago, IL

Nature of Work: Open cut trench to install fiber and power conduit for a proposed small cell site. Remove and replace pole foundation.

Company Name, Address, Phone No.: AT&T

General / Prime Contractor Name, Address, Phone No.: John Burns Construction, 17601 Southwest Hwy, Orland Park, IL 60467, 708-326-3500 Include subcontractor information if applicable

Safety Officer / Phone No. Kevin O'Leary, 312-550-6059

Radiation Contractor / Phone No. and email address (if applicable) AECOM Consultants, 312-373-7700

Check if City Department Work [] Department Name: N/A

CDOT Permit No.: DOT1250968

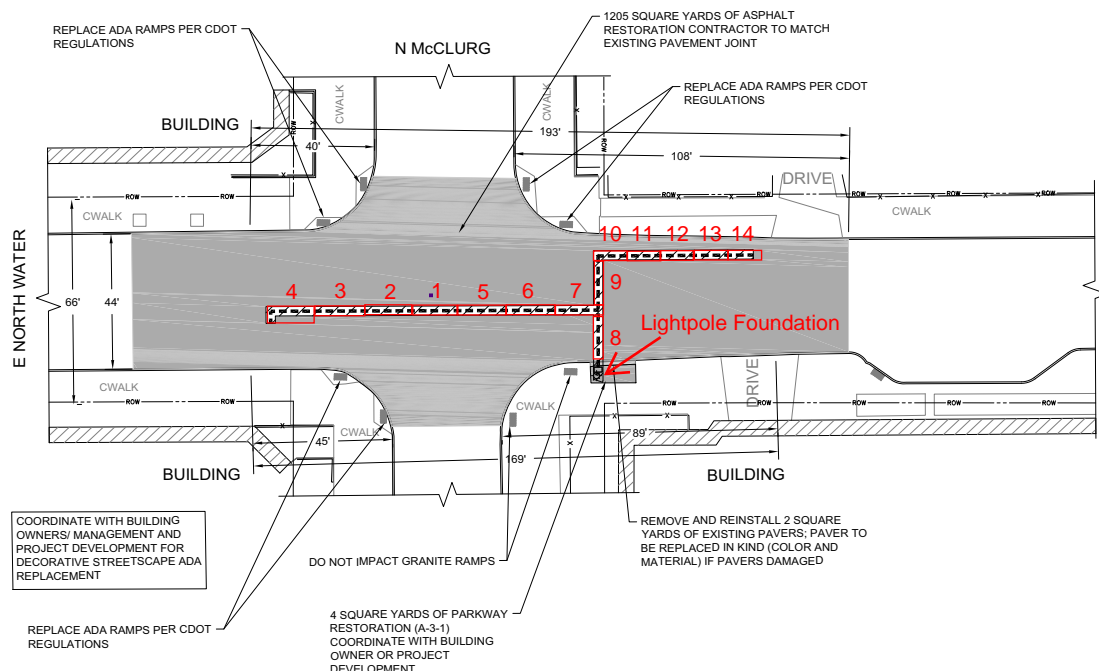
Today's Date: 6/5/2020 Expected Start Date: 6/15/2020 CDPH Approval / Date

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

PAVEMENT RESTORATION

NOTE:
COORDINATE WORK HOURS AND SCHEDULING WITH CDOT-PERMITS PRIOR TO START OF WORK.



COORDINATE WITH BUILDING OWNERS/ MANAGEMENT AND PROJECT DEVELOPMENT FOR DECORATIVE STREETSCAPE ADA REPLACEMENT

REPLACE ADA RAMP PER CDOT REGULATIONS

4 SQUARE YARDS OF PARKWAY RESTORATION (A-3-1) COORDINATE WITH BUILDING OWNER OR PROJECT DEVELOPMENT

REMOVE AND REINSTALL 2 SQUARE YARDS OF EXISTING PAVERS: PAVES TO BE REPLACED IN KIND (COLOR AND MATERIAL) IF PAVERS DAMAGED

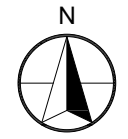
RESTORATION LEGEND AND SUMMARY	
	CONCRETE SIDEWALK RESTORATION: 2 SY
	ASPHALT STREET RESTORATION: 1205 SY
	CONCRETE STREET RESTORATION: 00 SY
	ASPHALT ALLEY RESTORATION: 00 SY
	CONCRETE ALLEY RESTORATION: 00 SY
	CONCRETE ALLEY APRON RESTORATION: 00 SY
	SIDEWALK PAVES RESTORATION: 4 SY
	CURB AND GUTTER RESTORATION: 0 LF

RESTORATION NOTE:

1. ALL RESTORATION SHALL COMPLY WITH CDOT RULES AND REGULATIONS, LATEST EDITION.
2. CONTRACTOR SHALL SEAL THE FULL PERIMETER OF ASPHALT RESTORATION LIMITS WITH HOT POURED JOINT SEALER, AS PER IDOT STANDARDS.
3. IF ASPHALT RESTORATION LIMIT IS LESS THAN 4' FROM THE CROSSWALK, THEN THE REPLACEMENT OF THE ADA RAMP IS REQUIRED (IF NONCOMPLIANT)

RESTORATION QUANTITY (TOTAL JOB)
 ASPHALT W/ HMA BINDER COURSE 0 SQ. YD.
 ASPHALT W/O HMA BINDER COURSE 1205 SQ. YD.
 SIDEWALK PAVES 2 SQ. YD.; PAVES TO BE REPLACED IN KIND (COLOR AND MATERIAL) IF PAVERS DAMAGED
 PARKWAY 4 SQ. YD.
 (QUANTITY IS ESTIMATED AND SUBJECT TO CHANGE AT CONSTRUCTION)

HORIZONTAL SCALE OF DRAWING: 1" = 20'



DRAWING SCALE: AS NOTED

ENGINEER:

 2649 GARDNER RD
 BROADVIEW, IL 60155
 OFFICE 630.572.9999
 FAX 630.572.9998

OWNER:

 930 NATIONAL PKWY.
 SCHAUMBURG, IL 60173
 OFFICE 847.592.3000

DEVELOPER:

 1351 E. IRVING PARK RD.
 ITASCA, IL 60143
 OFFICE 847.463.5950
 FAX 630.250.1353

TITLE:
 OUTSIDE PLANT FIBER OPTIC BUILD
 AT&T DEARBORN (NODE #06)
 401 N McCLURG CT,
 CHICAGO, IL 60611

OJC NUMBER: EFP-101563

PROJECT NUMBER: DASC-1883-003-U06R

DRAWN BY: CJ DATE DRAWN: 6/26/18

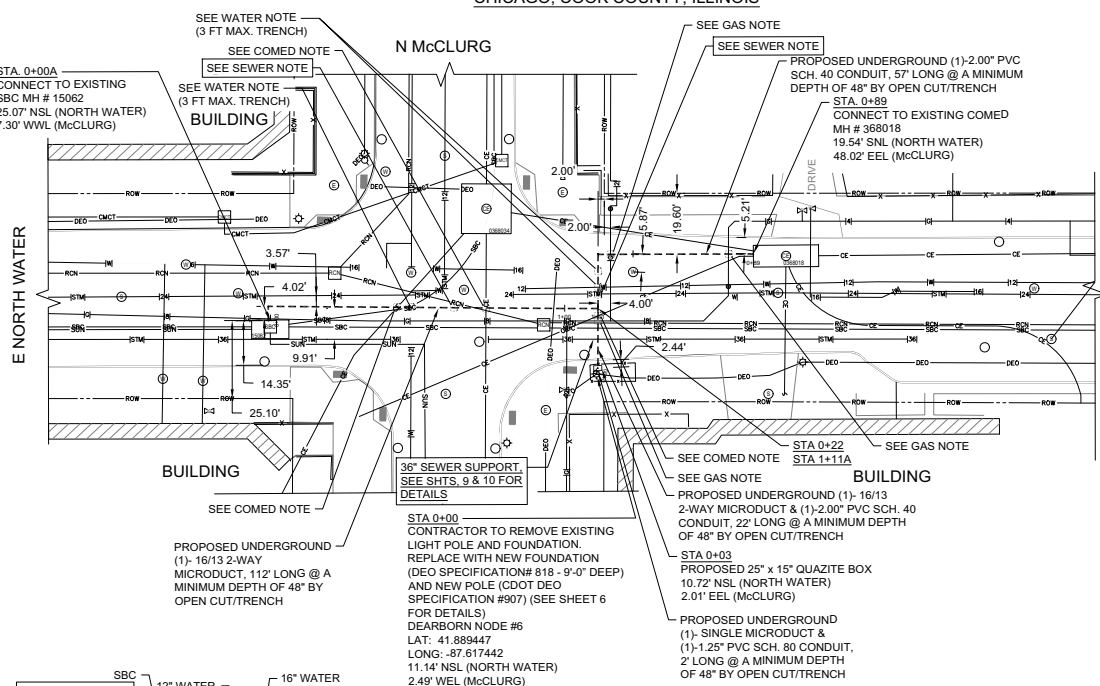
NO.	DATE	DESCRIPTION
22	03/10/20	SEWER REV.
21	02/27/20	COMED REV.
20	02/24/20	BY [Signature]
19	02/17/20	WA [Signature]
18	02/05/20	BY [Signature]
01/28/20		RESUBMITTAL and Coordination
17	9/18/19	RESUBMITTAL and Released
6/26/18		PERMIT EFP-101563
		DESCRIPTION

REVISIONS: Valid Until 7/26/2020 1:00:37 PM

SHEET NUMBER
19
 19 OF 20

PLAN

LOCATION: SEC 3, T39N-R14E,
CHICAGO, COOK COUNTY, ILLINOIS



GAS NOTE:
PEOPLES GAS FACILITIES ARE PRESENT WITHIN AREA OF CONSTRUCTION. USE EXTREME CAUTION NEAR ALL GAS FACILITIES DURING CONSTRUCTION AND RELATED EXCAVATION ACTIVITIES. HAND EXCAVATION IS REQUIRED TO FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF GAS MAIN(S) PRIOR TO CROSSING AND WORKING WITHIN 3 FEET OF ALL GAS FACILITIES. A MINIMUM OF 3' HORIZONTAL EDGE TO EDGE CLEARANCE IS REQUIRED FOR GAS MAINS WITH DIAMETERS OF 16" OR SMALLER, AND 5FT EDGE TO EDGE CLEARANCE FOR GAS MAINS WITH DIAMETERS 18" AND LARGER. MAINTAIN A MINIMUM OF 18" EDGE TO EDGE VERTICAL CLEARANCE ON GAS MAINS 16" OR LESS IN DIAMETER, AND 24" EDGE TO EDGE VERTICAL CLEARANCE ON 18" AND LARGER DIAMETER GAS MAINS. CONTACT DIGGER 312-744-7000 FOR LOCATES 48 HOURS PRIOR TO START OF CONSTRUCTION. THE USE OF CONCRETE, FLOW FILL, OR THE LIKE IS PROHIBITED WITHIN 24 INCHES OF ALL GAS FACILITIES. NOR SHALL IT ENCASE ANY GAS FACILITY. A MINIMUM OF 6" FA-02 OR FM-02 SAND SHALL BE USED WHEN BACKFILLING AROUND ANY EXPOSED GAS FACILITY. CONTRACTOR EXPOSING GAS FACILITY IS RESPONSIBLE FOR PROVIDING THE SAND. PEOPLES GAS CAST IRON AND DUCTILE IRON GAS MAINS MAY REQUIRE SUPPORT DURING CONSTRUCTION AND RELATED EXCAVATION ACTIVITIES. ANY EXPOSED JOINTS MUST BE SUPPORTED AND CAST IRON JOINTS SEALED BY GAS COMPANY PERSONNEL. CONTACT CENTRAL SHOP ENGINEERING SUPERVISOR, JOSHUA AUMICK, 773-542-7971. A MINIMUM OF 5 BUSINESS DAYS PRIOR TO EXCAVATION TO SET UP ON-SITE INSPECTION. INSPECTION BY PEOPLES GAS IS REQUIRED PRIOR TO BACK FILL.

COMED NOTE:
HAND DIG IS REQUIRED WHEN CROSSING COMED UNDERGROUND CABLE/CONDUITS. MAINTAIN 12 INCHES VERTICAL CLEARANCE (18 INCHES IF POSSIBLE) FROM ANY COMED FACILITIES. WHEN FIELD CONDITIONS REQUIRE COMED ASSISTANCE, PLEASE CONTACT COMED NEW BUSINESS @ 1-866-NEW-ELEC TO REACH OUT TO A PROJECT ENGINEER AT LEAST 5 WEEKS PRIOR TO CONSTRUCTION. PROJECT IS IN LINDSAY LIGHT STREET/TERVILLE THORIUM MONITORING AREA, SOIL SAMPLING/MONITORING IS REQUIRED.

CONSTRUCTION NOTE:
FOR FIBER PULL ASSISTANCE, LEAVE STRATEGIC PULL ACCESS POINTS EXPOSED AND PLATED (WHEN NOT UNDER CONSTRUCTION) UNTIL THE FIBER PULL IS COMPLETED. ONCE THE PULL IS COMPLETED, INSTALL SPLIT DUCT ON EXPOSED ROUTE AND ENCASE IN CONCRETE. ALL RESTORATION SHOULD BE IN COMPLIANCE WITH CDOT RESTORATION GUIDELINES. (SEE SHEET 5 FOR FURTHER DETAIL.)

MWRD NOTE:
THE DISTRICT HAS FACILITIES ALONG THE NORTH WATER STREET. DISTRICT FACILITIES SHALL BE LOCATED PRIOR TO PROCEEDING WITH ANY CONSTRUCTION WORK. NO HEAVY CONSTRUCTION EQUIPMENTS AND DRIVING OF SHEET PILES IN THE VICINITY OF DISTRICT FACILITIES SHALL BE ALLOWED. IT IS REQUESTED THAT DURING CONSTRUCTION EXTRA CAUTION BE TAKEN FOR THE SAFETY AND INTEGRITY OF OUR FACILITIES. ALL ACCESS HATCHES/MANHOLE COVERS ON DISTRICT STRUCTURES/MANHOLES WITHIN PROJECT AREA SHALL NOT BE BURIED/COVERED. NO DEBRIS SHALL ENTER THE DISTRICT STRUCTURES/SEWERS/FACILITIES

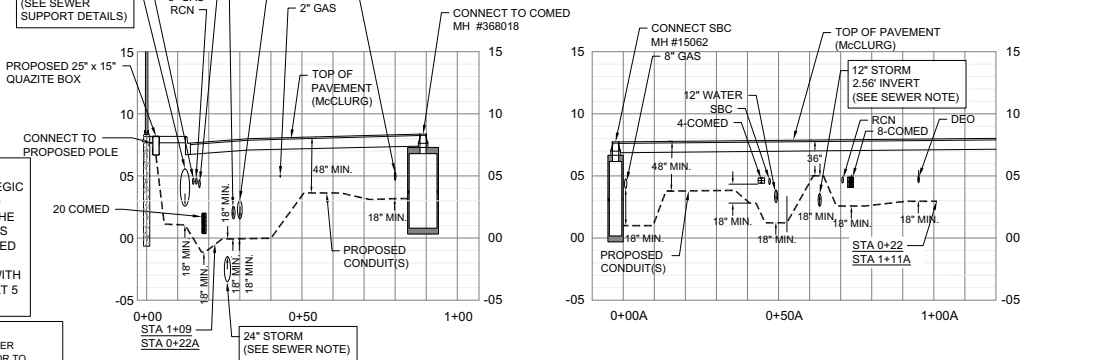
SEWER NOTE:
THERE ARE NO AVAILABLE RECORDS FOR THE EXIST. 12" AND 24" DIAMETER SEWER PIPE INVERTS AT PROPOSED CONDUIT CROSSINGS. THEREFORE, PRIOR TO CONSTRUCTION CONTRACTOR SHALL VERIFY SEWER INVERTS. SEWER PIPE SUPPORTS WILL BE REQUIRED IF INSTALLATION OF CONDUITS ARE TO BE INSTALLED BELOW. IN THIS CASE, CONTRACTOR SHALL NOTIFY ENGINEER OF RECORD AND DWM- SEWER SECTION IMMEDIATELY FOR RESOLUTION.

WATER NOTE:
A REPRESENTATIVE OF THE DWM MUST BE PRESENT DURING THE EXCAVATION AND INSTALLATION NEAR THE EXISTING 16-INCH FEEDER MAIN. IT IS REQUIRED THAT THE FORCE ACCOUNT CONSTRUCTION MANAGER BE CONTACTED AT FACM@CTR.WATER.NET TWO WEEKS PRIOR TO THE ANTICIPATED CONSTRUCTION DATE SO A RESIDENT ENGINEER CAN BE ASSIGNED TO THE PROJECT. THE DWM REPRESENTATIVE WILL ADHERE TO THE SCHEDULE PROVIDED BY CCSI NETWORKS, UNLESS NOTIFIED OTHERWISE. FAILURE TO COMPLY WITH THIS REQUIREMENT MAY RESULT IN ADDITIONAL EXPENSES TO THE PROPOSED PROJECT TO VERIFY THAT ALL WORK CONFORMS TO DWM'S STANDARDS.

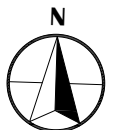
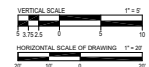
HAND EXCAVATION IS REQUIRED TO FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF THE 16-INCH WATER MAIN PRIOR TO CROSSING. IF A TRENCHLESS METHOD OF INSTALLATION IS USED, A MINIMUM 4-FOOT OF UNDISTURBED SOIL IS TO REMAIN ON EITHER SIDE OF THE EXISTING WATER MAIN. IF THE PROPOSED FACILITY WILL BE INSTALLED VIA OPEN-CUT METHOD, THE EXCAVATION MUST BE PROPERLY SHORED TO MAINTAIN A MAXIMUM 3-FOOT TRENCH WIDTH. THE TRENCH SHALL BE BACKFILLED TO THE SPRINGLINE OF THE WATER MAIN WITH CLSM BACKFILL (NON-FLY ASH), AND CA-16 FROM THE SPRINGLINE OF THE WATER MAIN TO GRADE. USE OF POLYETHYLENE WRAP AS A BOND BREAKER BETWEEN THE WATER MAIN AND THE CLSM BACKFILL IS REQUIRED. FAILURE TO COMPLY WITH THESE REQUIREMENTS MAY RESULT IN ADDITIONAL EXPENSES TO THE PROPOSED PROJECT TO VERIFY THAT ALL WORK CONFORMS TO DWM'S STANDARDS.

RCN NOTE:
RCN FACILITIES ARE PRESENT IN THE AREA OF CONSTRUCTION. USE EXTREME CAUTION NEAR ALL RCN FACILITIES. HAND EXCAVATION IS REQUIRED TO LOCATE AND EXPOSE FIBER OPTIC FACILITIES PRIOR TO CROSSING AND WHEN WORKING WITHIN 3 FEET OF ALL RCN FACILITIES. CONTACT DIGGER FOR LOCATES A MINIMUM OF 48 HOURS PRIOR TO START OF CONSTRUCTION.

COMCAST NOTE:
COMCAST HAS EXISTING UNDERGROUND IN THE AREA. PLEASE PROCEED WITH EXTREME CAUTION, MAKE SURE TO CALL DIGGER PRIOR TO START EXCAVATION. USE HAND DIGGING IN THE AREAS WHERE COMCAST FACILITIES ARE MARKED. PLEASE BE NOTED THAT COMCAST HAS RESERVED THE RIGHT TO MAINTAIN, REPLACE AND RELOCATE THEIR FACILITIES IF NEEDED AND THE COST IS 100% BILLABLE TO REQUESTER



PROFILE



DRAWING SCALE: AS NOTED

ENGINEER:
CCSI
2649 GARDNER RD
BROADVIEW, IL 60155
OFFICE 630.572.9999
FAX 630.572.9998

OWNER:
AT&T
930 NATIONAL PKWY.
SCHAUMBURG, IL 60173
OFFICE 847.592.3000

DEVELOPER:
MasTec
Network Solutions
1351 E. IRVING PARK RD.
ITASCA, IL 60143
OFFICE 847.463.5950
FAX 630.250.1353

TITLE:
OUTSIDE PLANT FIBER
OPTIC BUILD
AT&T DEARBORN
(NODE #06)
401 N MCCLURG CT,
CHICAGO, IL 60611

QUC NUMBER:	EFP-101563
PROJECT NUMBER:	DASC-1883-003-U06R
DRAWN BY:	CJ
DATE DRAWN:	6/26/18
22 03/10/20	SEWER REV.
21 02/27/20	COMED REV.
20 02/24/20	
19 02/17/20	
18 02/05/20	
01/28/20	
17 9/18/19	
6/26/18	
NO. DATE	DESCRIPTION
	EFP-101563
	REVISION
	REVISIONS: FILED UNIT 7282009 13:31 PM

SHEET NUMBER

20

20 OF 20

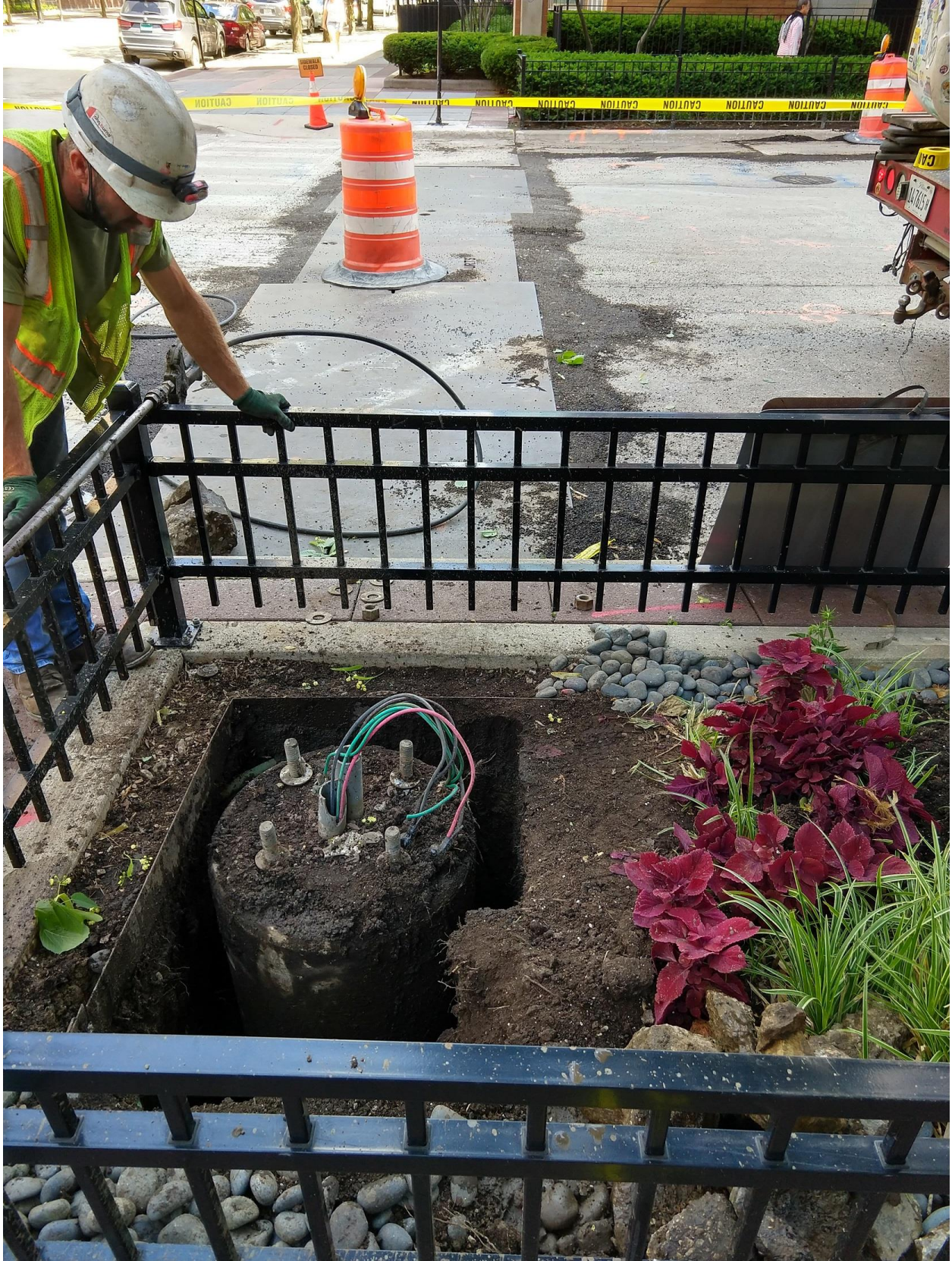
PHOTOGRAPHS AND GAMMA RESULTS



PICTURE 1: VIEW OF THE TRENCH EXCAVATION AT THE INTERSECTION OF MCCLURG CT AND NORTH WATER ST (LOOKING NORTHWEST).



PICTURE 2: VIEW OF THE TRENCH EXCAVATION AT THE INTERSECTION OF MCCLURG CT AND NORTH WATER ST (LOOKING EAST)



PICTURE 3: VIEW OF THE LIGHT POLE FOUNDATION EXCAVATION AT THE SOUTHEAST CORNER OF MCCLURG CT AND NORTH WATER ST.

**Gamma Survey Results
John Burns Construction Company**

Survey Equipment

Location:	401 N. McClurg Ct.
CDOT:	1250968
Ludlum 2221 S/N:	326720
Cutoff:	6,818 cpm short cord
	4,991 cpm long cord
Background:	2,800 cpm short cord
	2,050 cpm long cord
Personnel:	E. Sulita
Date of Screening:	6/17, 18, 19, 22 and 24/2020

Survey Results

Location	Depth (inches)	Maximum Readings (cpm)
1	0-12	concrete
	12	1,900
	24	1,850
	32	2040
2	0-12	concrete
	12	1,850
	24	2,040
	32	2,550
3	0-12	concrete
	12	1,760
	24	2,320
	32	3,040
4	0-12	concrete
	12	1,800
	24	2,220
	32	2,850
5	0-12	concrete
	12	1,700
	24	1,990
	32	2,280
6	0-12	concrete
	12	1,800
	24	2,050
	32	2,390
7	0-12	concrete
	12	2,825
	24	2,100
	32	2,080
8	0-12	concrete
	12	2,050
	24	2,170
	32	2,190
9	0-12	concrete
	12	1,950
	24	2,280
	32	1,860
10	0-12	concrete
	12	1,790
	24	2,120
	32	2,320
11	0-12	concrete
	12	1,850
	24	1,995
	32	2,080
12	0-12	concrete
	12	1,800
	24	1,970
	32	2,160
13	0-12	concrete
	12	2,200
	24	2,010
	32	2,150
14	0-12	concrete
	12	2,100
	24	2,090
	32	2,100

Location	Depth (inches)	Maximum Readings (cpm)
Light Pole (Hydro-Vac)*	0-6	top soil
	18	2,100
	30	2,800
	44	2,400
	60	1,760
	80	1,690
	96	1,590
	110	1,560
122	1,620	

Notes: - Long cord