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

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

April 14, 2020

Mr. Alex Ohlson
City Lights, Ltd.
9993 Virginia Avenue
Chicago Ridge, IL 60415

RE: Streeterville ROW Thorium Monitoring Results Permit
No.: CDOT1217403
Permit Address: 300-32 E Illinois St., Chicago, Illinois
AECOM Project No. 60513867.801

Dear Mr. Ohlson:

Pursuant to conditions specified in a permit (see attached ROW form) 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 February 19, 2020 and March 11, 2020 for the installation of a conduit package for a traffic camera.

The initial work (CDOT1199779) was conducted on February 19, 2020 and involved removal of the 6 x 6 foot pavement sections at the northeast corner at the intersection of E. Illinois St. and N. Columbus. The second area was in the vicinity of the traffic camera in front of the AMC Theater entrance (see attached photo) on E. Illinois St. The initial plan called for horizontal boring between the two pavement openings. Unfortunately, the horizontal boring installation could not be performed because of the presence of a vault within the sidewalk area between the two areas. No excavation was performed within either of the concrete removal areas. However, the exposed subgrade in these areas was screened and ranged from 1,200 – 2,200 cpm shielded.

A revised plan was implemented on March 11, 2020. This scope involved the removal of the pavement and excavation of a shallow trench in the area east of the traffic camera pole (refer to attached photo). The excavation area was approximately 5-feet wide and 30-feet long. It started just west of the traffic camera pole and extended 30-feet to the east along the curb. The trench within this area was 2-ft wide and had a maximum depth of 36-inches. Surveying was performed on the exposed pavement subgrade and within the excavation trench area. The excavation area was divided into two equally sized areas (East and West) for the collection of the gamma surveying data.

The thorium 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 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: 326720) counts per minute (cpm) unshielded. The field instrument background gamma reading collected for soil in the planter in the vicinity of the excavation area was 1,500 cpm.

The field gamma measurements within the excavation and of the spoil during the excavation process did not exceed the instrument threshold previously stated and ranged from 1,700 to 2,220 cpm shielded (refer to the tabulated results). 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 permit, an annotated photo of the location and tabulated results are included as attachments.

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Permit Address: 300-32 E Illinois St.
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As part of the permit conditions, a PDF copy of this letter is being forwarded to Terry Sheahan (CDPH) and Verneta Simon (USEPA) to fulfill the requirements of the CDPH.

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

Regards,



Jennifer Nagle
Geologist



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

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

Attachments: CDPH Permit Form
Annotated Drawing and Gamma Results

ROW 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): Alex Ohlson

Signature:

Site Address and Work Location (Describe exact site location and attach map): 300-332 E Illinois. Sidewalk & Parkway

Nature of Work: Installing Conduit

Company Name, Address, Phone No.: City Lights, Ltd 9993 Virginia Ave Chicago Ridge, IL 60415 708-581-7110

General / Prime Contractor Name, Address, Phone No.:

Include subcontractor information if applicable)

Safety Officer / Phone No.

Steve Hoffman 708-581-7124

Radiation Contractor / Phone No. and email address (if applicable) Steve Kornder 262-515-7700

Check if City Department Work ☐ Department Name:

CDOT Permit No.: DOT1217403

Today's Date: 3/3/20

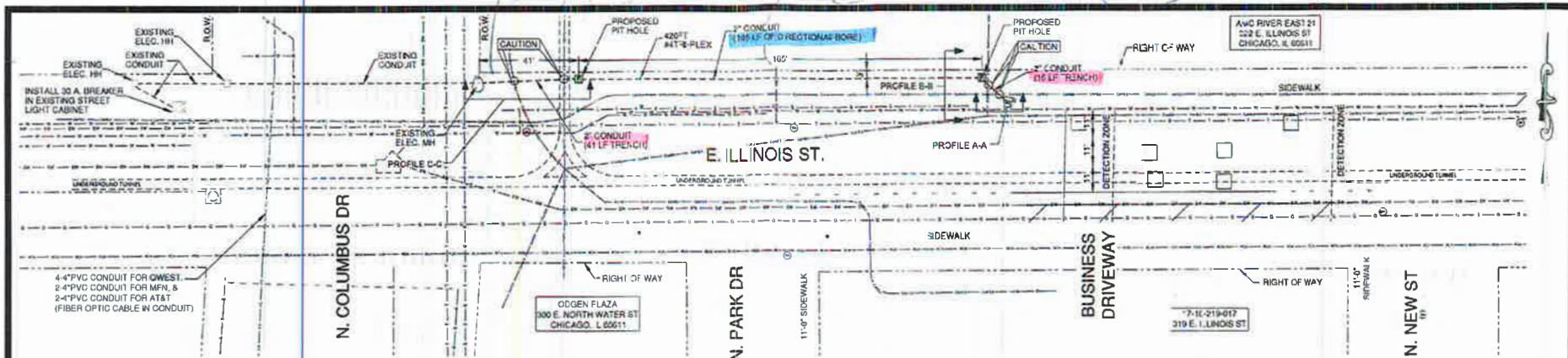
Expected Start Date: 3/5/20

CDPH Approval / Date

3/3/20

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



GENERAL NOTES

1. PEOPLES GAS FACILITIES ARE PRESENT WITHIN AREA OF CONSTRUCTION. USE EXTREME CAUTION NEAR ALL GAS FACILITIES DURING CONSTRUCTION AND RELATED EXCAVATION ACTIVITIES. HAND DIG OR NON-INVASIVE EXCAVATION IS REQUIRED TO FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF GAS FACILITIES PRIOR TO CROSSING AND WORKING WITHIN 3 FEET OF ALL GAS FACILITIES. A MINIMUM OF 3\"/>

2. DIRECTIONAL DRILLING IS CONSIDERED A HIGH RISK EXCAVATION AS DETERMINED BY PHMSA AND NTSB; AS SUCH SPECIAL CONSIDERATIONS SHALL TAKE PLACE NEAR NATURAL GAS DISTRIBUTION LINES. CONTRACTOR MUST OBSERVE BORE HEAD WHILE CROSSING GAS FACILITIES AND VERIFY THAT MINIMUM VERTICAL CLEARANCE IS OBTAINED. LOCATIONS OF EXISTING GAS FACILITIES MUST BE VERIFIED AT SUFFICIENT INTERVALS, OR AT MAX OF DISTANCE OF 50 FT. WHEN PARALLELING TO ENSURE MINIMUM HORIZONTAL SEPARATION IS MAINTAINED. CONTACT SYSTEM INTEGRITY OPERATIONS SUPERVISOR A MINIMUM OF 5 BUSINESS DAYS PRIOR TO EXCAVATION TO SET UP ON-SITE INSPECTION. ALL DIRECTIONAL DRILL PROJECTS WILL BE PLACED ON PEOPLES GAS WATCH & PROTECT NORTH SHOP: NORTH OF CHICAGO AVE/ASHLAND AVE/NORTH AVE TO NORTH OF 87TH ST; ASHLAND AVE/CHICAGO RIVER/CEMAK RD CROSS REDMOND, 312-756-0796 SOUTH SHOP: SOUTH OF 87TH ST/ASHLAND AVE/CHICAGO RIVER/CEMAK RD. JACOB WEBER, 312-806-0556.

3. 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 BUFFER OF 24\"/>

4. 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 SOUTH SHOP ENGINEERING SUPERVISOR ALBERTO JARA, 773-672-6328, 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. INSPECT GAS MAIN AND COATING INTEGRITY PRIOR TO BACKFILL. CAUTION CONCRETE BLOCK(S) FOR BRACING AND SUPPORTING FGL MAIN, CAPS, TEES, AND BENDS MAY BE PRESENT. CONCRETE BLOCKS SHALL NOT BE REMOVED, BROKEN OR UNDERMINED. IF A CONCRETE BLOCK HAS BEEN EXPOSED, BROKEN AND/OR UNDERMINED, CONTACT SOUTH SHOP ENGINEERING SUPERVISOR, ALBERTO JARA, 773-672-6328 IMMEDIATELY, TO ASSESS THE SITUATION, BEFORE CONTINUING CONSTRUCTION.

5. CONTRACTOR TO EXCAVATE OPENINGS TO EXPOSE AND VERIFY DEPTH OF GAS MAIN. CONTRACTOR MUST OBSERVE BORE HEAD WHILE CROSSING GAS MAIN AND VERIFY THAT A MINIMUM 18\"/>

6. VERIFICATION TEST HOLES MUST BE EXCAVATED AT SUFFICIENT INTERVALS ALONG THE DRILL PATH TO ASSURE THAT NO DIRECT OR INCIDENTAL CONTACT WITH THE EXISTING GAS MAIN OCCURS.

7. MAINTAIN DWM SEWER CLEARANCE REQUIREMENTS AS INDICATED IN EXISTING FACILITIES PROTECTION (EFP) SECTION 6. NOTIFY DWM SEWER EVALUATION SECTION AT 312-747-4680 OF ANY UNDOCUMENTED PUBLIC SEWERS IN THE ROW.

8. THE MINIMUM VERTICAL CLEARANCE (EDGE-TO-EDGE) FROM ALL WATER MAINS IS 18 INCHES. FOR FEEDER MAINS (WATER MAINS 16 INCHES AND LARGER), THE MINIMUM HORIZONTAL CLEARANCE (EDGE-TO-EDGE) IS FIVE (5) FEET, AND FOR GRID MAINS (WATER MAINS LESS THAN 16 INCHES), THE MINIMUM HORIZONTAL CLEARANCE (EDGE-TO-EDGE) IS THREE (3) FEET. NO PROPOSED ABOVE GROUND FACILITY (TREE, PLANTER BOX, LIGHT POLE, ETC.) CAN BE CLOSER THAN FIVE (5) FEET (EDGE-TO-EDGE) FROM A WATER MAIN OR CLOSER THAN TWO TO THREE (2-3) FEET (EDGE-TO-EDGE) FROM A WATER SERVICE. SHOULD THE DWM REQUIRE ACCESS TO ITS FACILITIES, IT WILL NOT BE RESPONSIBLE FOR THE COSTS TO REMOVE OR SUPPORT ANY ABOVE GROUND STRUCTURES ADJACENT TO ITS FACILITIES.

9. ALL NEW CURB INSTALLATION ADJACENT TO FIRE HYDRANTS MUST BE PAINTED "SAFE" (YELLOW) FOR 15 FEET ON EACH SIDE OF THE FIRE HYDRANT EXCEPT WHERE THE 15 FOOT DIMENSION INTERSECTS A CROSSWALK, DRIVEWAY OR SIMILAR FEATURE. IN NO CASE SHALL THE INSTALLATION OF ANY PROPOSED FACILITY BE CLOSER THAN FIVE (5) FEET FROM A FIRE HYDRANT OR FIRE HYDRANT LEAD.

10. EXTREME CAUTION MUST BE TAKEN TO AVOID DAMAGE TO ANY WATER FACILITIES. IF DAMAGE OCCURS TO THIS DEPARTMENT'S FACILITIES, CITY LIGHTS LTD WILL BE RESPONSIBLE FOR THE COST OF REPAIRING OR REPLACING THE DAMAGED FACILITIES.

11. PEOPLES GAS, COMED AND WATER DEPARTMENT HAVE FACILITIES IN THE AREA OF CONSTRUCTION. EXTREME CAUTION WILL BE TAKEN DURING CONSTRUCTION BY HAND EXCAVATING WHEN CROSSING OR WORKING WITHIN THREE FEET OF THE UTILITIES.

12. MINIMUM CLEARANCES OF SAND FACILITIES WITH PERMANENT CONSTRUCTION INSTALLATION WILL BE ADHERED TO. FIELD JOINT WILL MEET TO PROCEED UNDERGROUND CONSTRUCTION.

13. USE OF CONCRETE OR FLOWABLE FILL OR THE LIKE WILL NOT BE USED WITHIN 24\"/>

14. VERIFICATION TEST HOLES WILL BE EXCAVATED AT SUFFICIENT INTERVALS ALONG THE DRILL PATH TO ASSURE THAT THERE IS NO DIRECT OR INCIDENTAL CONTACT WITH THE EXISTING FACILITIES.































15. ALL IMPACTS TO THE "RIGHT OF WAY" SHALL BE RESTORED IN ACCORDANCE TO THE STANDARDS, SPECIFICATIONS AND DETAILS SPECIFIED IN THE LATEST CDOT RULES AND REGULATIONS.

16. CHAPTER 17 OF THE CHICAGO ZONING ORDINANCE AND THE GUIDE TO THE CHICAGO LANDSCAPE ORDINANCE DEFINE THE PARKWAY AS THE "PORTION OF THE PUBLIC WAY BETWEEN THE STREET AND THE NEAREST PARALLEL PROPERTY LINE, INCLUDING SIDEWALK AREA." THE PARKWAY MAY INCLUDE PAVED SIDEWALK AREAS, DRIVEWAYS, LANDSCAPED AREAS INCLUDING RAISED PARKWAY PLANTERS, TREE PITS AND GRATES, THE TOP OF THE CURB, AND ANY OFFSET FROM THE PROPERTY LINE AND SIDEWALK. CONSTRUCTION AND PLACEMENT OF MATERIAL MUST TO ADHERE TO CODE 10-32 (TREES, PLANTS AND SHRUBS).

17. LANDSCAPE RESTORATION IN PARKWAYS MUST BE PERFORMED ACCORDING TO THE SPECIFICATIONS PROVIDED IN THE PLAN SET AND APPROVED BY CDDT ENG. AREAS OF SIGNIFICANT IMPORTANCE TO THE NEARBY COMMUNITY MAY REQUIRE SEEDING IN PLACE OF SEEDING WHEN DEEMED NECESSARY.

18. USE EXTREME CAUTION NEAR COMED FACILITIES. HAND DIG WHILE CROSSING ALL 69/133/245 KV TRANSMISSION LINE COMED TRANSMISSION SHALL BE NOTIFIED TWO (2) BUSINESS DAYS PRIOR TO THE START OF WORK TO SCHEDULE AN ON-SITE INSPECTOR DURING CONSTRUCTION. CONTACT LESLIE PASCHAL AT (630) 437-4767.

LEGEND

	EXISTING MONITOR CAMERA & RADAR ON ATS POLE		EXISTING UTILITY POWERLINE POLE
	PROPOSED 17'-0" PULL/JUNCTION BOX		EXISTING CONCRETE POLE
	PROPOSED DIFFERENTIAL BOX		EXISTING PULL/JUNCTION BOX
	PROPOSED TRENCH		TRAFFIC FLOW ARROW (NON-PAINTED)
	EXISTING UNDERGROUND CONDUIT		EXISTING SIGN
	EXISTING HIGH-MAST ARM/STREET LIGHT		EXISTING TREE
	EXISTING 2 HIGH-MAST ARM/STREET LIGHT		EXISTING RIGHT OF WAY
	EXISTING SIGNAL LIGHT-4 MAST ARM		EXISTING UNDERGROUND GAS
	EXISTING SIGNAL HEAD		EXISTING UNDERGROUND ELECTRIC
	EXISTING LIGHT POLE		EXISTING UNDERGROUND WATER
	EXISTING FIRE HYDRANT		EXISTING UNDERGROUND STORM DRAIN
	EXISTING MANHOLE		EXISTING UNDERGROUND SEWER WATER
	EXISTING STREET LIGHTING CABINET		EXISTING UNDERGROUND TELEPHONE
	EXISTING TRAFFIC CONTROLLER		EXISTING UNDERGROUND FIBER OPTIC
	EXISTING METER PEDESTAL		EXISTING FENCE
	EXISTING WOOD POLE		EXISTING GARD-RAIL
	EXISTING UTILITY GUY POLE		

19. AT A MINIMUM, THE CONTRACTOR IS REQUIRED TO DO THE FOLLOWING, UNLESS CDDT'S REQUIREMENTS ARE MORE STRINGENT. THE CONTRACTOR IS REQUIRED TO DO TEST HOLES OVER ANY WATER MAIN OR SERVICE THAT IS TO BE DIRECTIONALLY BORED ACROSS. THE TEST HOLES MUST BE EXCAVATED TO A MINIMUM DEPTH OF THE PROPOSED FACILITY INSTALLATION. A PICTURE OF THE INSTALLED FACILITY AT EACH CROSSING MUST BE SUBMITTED TO THE DWM THAT CLEARLY INDICATES THE DATE, DEPTH OF THE FACILITY, CUC FILE NUMBER, AND THE LOCATION OF THE CROSSING ON EACH PICTURE. ALL PICTURES OF THE CROSSINGS ARE TO BE SUBMITTED TOGETHER AT ONE TIME TO CUC@CDOT.IL.GOV. 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.



PLAN SCALE: 1\"/>

SIGNED DATE: 04/11/2019
EXPIRATION DATE: 11/30/2019

ATS American Traffic Solutions
SPEED ENFORCEMENT PROGRAM

1330 W. SOUTHERN AVE
TEMPE, AZ 85282 USA
TEL: (480) 443-7000 FAX: (480) 607-0901
WWW.ATSOL.COM

ENGINEER OF RECORD:
P.K. GANDHI, P.E.
REG. # 062-54993

PLAN SHEET
OGDEN PLAZA
CHICAGO, ILLINOIS

NO.	BY	DATE	REVISION

TEST SUBMITTAL:
DESIGNED BY: GAI
DATE: 4/26/2019
APPROVED BY: JXX
APPROVAL DATE: 5/22/2019

JOB NUMBER
86452
SITE ID
C-11726

PROJECT NAME:
CHICAGO SPEED SITE
CUC #: 2019-86462

SHEET NUMBER
2
OF 6 SHEETS

PHOTO

City Lights – 300-332 E Illinois St. (DOT1217403)



Gamma Survey Results
City Lights - 300 -332 E Illinois St.

Survey Equipment

Location:	300-332 E Illinois St.
CDPH Dig#:	DOT1227403
Ludlum 2221 S/N:	326720
Cutoff:	6,818 cpm shielded
Background:	1,500 cpm shielded
Personnel:	Eric Sulita, Kyle Korzcak
Date of Screening:	2/19/20 & 3/11/2020

Survey Results

Location	Depth (inches)	Readings (cpm)
West	0-6	concrete
	6-12	2,000
	12-24	1,800
	24-36	2,000
	36	2,200
East	0-6	concrete
	6-12	1,900
	12-24	1,700
	24-36	2,000
	36	2,220