



AECOM
100 S. Wacker Drive, Suite 500
Chicago, Illinois 60606

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

July 2, 2018

Mr. Tim Bulthaup
Commonwealth Edison Co.
2 Lincoln Centre
Oakbrook Terrace, IL 60181

RE: Radiological Screening Results for Conduit Installation
Permit No.: DOT942126
Permit Address: 2517 S. Martin Luther King Dr., Chicago, Illinois
AECOM Project No. 60493426 Task 214

Dear Mr. Bulthaup:

Pursuant to conditions specified in a permit (see attached) 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 June 18 and 19, 2018 for excavations related to a conduit installation.

Surveying was performed on the fill soil exposed during the excavations at 2517 South Martin Luther King Drive (see annotated drawing) required to address an installation of an electrical conduit. The work consisted of removal of existing roadway and sidewalk as well as related excavations utilizing a excavator. The excavation consisted of a single trench approximately 30-feet long, 4-feet wide, and excavated to a depth of 4-feet below ground surface (bgs). Surveying was completed on the exposed fill soil during the excavation. Refer to the annotated drawing for the dimensions and location of the excavation.

A cleanup criterion has not been approved for this area by Illinois Emergency Management Agency (IEMA) or the United States Environmental Protection Agency (USEPA). Therefore, the field instrument threshold for the identification of potentially radiologically contaminated fill soil has conservatively been set at twice the field instrumentation background. Gamma radiation count measurements for the project were made using Ludlum Model 2221 survey meter and a shielded 2x2 inch NaI probe (Model 44-10). The field gamma background at the surface in the vicinity of the area was measured at approximately 2,450 counts per minute (cpm) shielded. Therefore, twice the field instrument background for the project was estimated at 4,900 cpm. For comparison purposes, the gamma count indicative of contamination in Streeterville (i.e. the 7.1 pCi/g total radium cleanup threshold) was 7,374 cpm shielded.

The field gamma measurements within the excavation and the spoil materials generated during the excavation process did not exceed the twice background threshold value previously stated and ranged from a minimum of 1,600 cpm to a maximum of 2,900 cpm shielded. In fact, the gamma counts measured within the excavation and of the excavated spoil were less than the surface background value because they contained higher amounts of brown colored quartz sand. Thus, there was no indication of the potential presence of radiologically contaminated material.

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

Chicago Department of Fleet and Facility Management
Attention: Ms. Abigail Mazza
30 N. LaSalle St., Suite 300
Chicago, Illinois 60602

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

Regards,

Regards,



Andrew Kozak
Geologist



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

cc: Abigail Mazza, 2FM

Attachments: Permit
Annotated Drawing and Results

PERMIT



DEPARTMENT OF FLEET AND FACILITY MANAGEMENT
CITY OF CHICAGO

FORM NO. 2FM.RADIUM.ROW.06 (CARNOTITE Right-of-Way and City-Owned Property)

Notice is hereby given that environmental contamination associated with the former Carnotite Reduction Company (Carnotite) site may be present within or near the location for which you have requested a permit. Proper safeguards must be employed when performing work at this site in order to avoid potential threats to human health and safety and the environment. The Illinois Emergency Management Agency (IEMA) is the lead regulatory agency for contamination associated with the Carnotite site.

A file containing detailed information regarding the environmental contamination which may be present in the vicinity of the proposed work location is available for review at the City of Chicago Department of Fleet and Facility Management (2FM) at 30 N. LaSalle St., 3rd Floor, Chicago, Illinois 60602 during normal business hours (8:30AM - 4:30PM, Monday through Friday). Contact (312) 744-7204 for an appointment. If the proposed work at the site involves excavation, exposure of soil, or soil disturbance, this file must be reviewed and the remainder of this form completed before the permit can be issued. **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 2FM regarding potential environmental contamination at the site. Further, I will ensure that all work at the site, 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 2FM for forwarding to IEMA and the United States Environmental Protection Agency (via fax to 312.692.2469 or 312.692.2466) **within two (2) weeks of their completion.** If surface gamma scans exceeding two times the background count rate are detected, I will follow the Carnotite site's **Utility Emergency and Maintenance Plan (Plan)** and immediately contact 2FM (see the Contact List in Attachment 4 of the Plan) for further instructions and so they can coordinate with IEMA. I will also immediately notify the United States Environmental Protection Agency at (312) 353-2318 and request connection to Verneta Simon or Dan Haag.

Applicant Name (print) MATHEW S. TAYLOR Signature [Signature]

Site Address and Work Location (Describe exact site location and attach map): 2517 S. MARTIN LUTHER KING DRIVE ALLEY SOUTH OF E. 25TH ST (APPROX 142' SOUTH) - EAST OF S. MARTIN LUTHER KING DR.

Description of Work: PROPOSED 29 LINEAR FEET OF CONDUIT INSTALLATION

(Attach additional details as necessary) Company Name, Address, Phone No. ComEd, 1 Lincoln Center, Oakbrook Terrace, IL 60181, 630-576-6427

General / Prime Contractor Name, Address, Phone No. MEADE ELECTRIC CO., INC. (708)588-2500 9550 W 55th St Ste A
(Include subcontractor information if applicable) Countryside IL 60525-3641 ATTN: Glenn Yeager 312-617-6913 Mat Taylor 708-588-6068

Safety Officer / Phone No. AECOM - STEVE KORNDER, 262-515-7700 - steve.kornder@aecom.com

Radiation Contractor / Phone No. (if applicable) AECOM - STEVE KORNDER, 262-515-7700 - steve.kornder@aecom.com

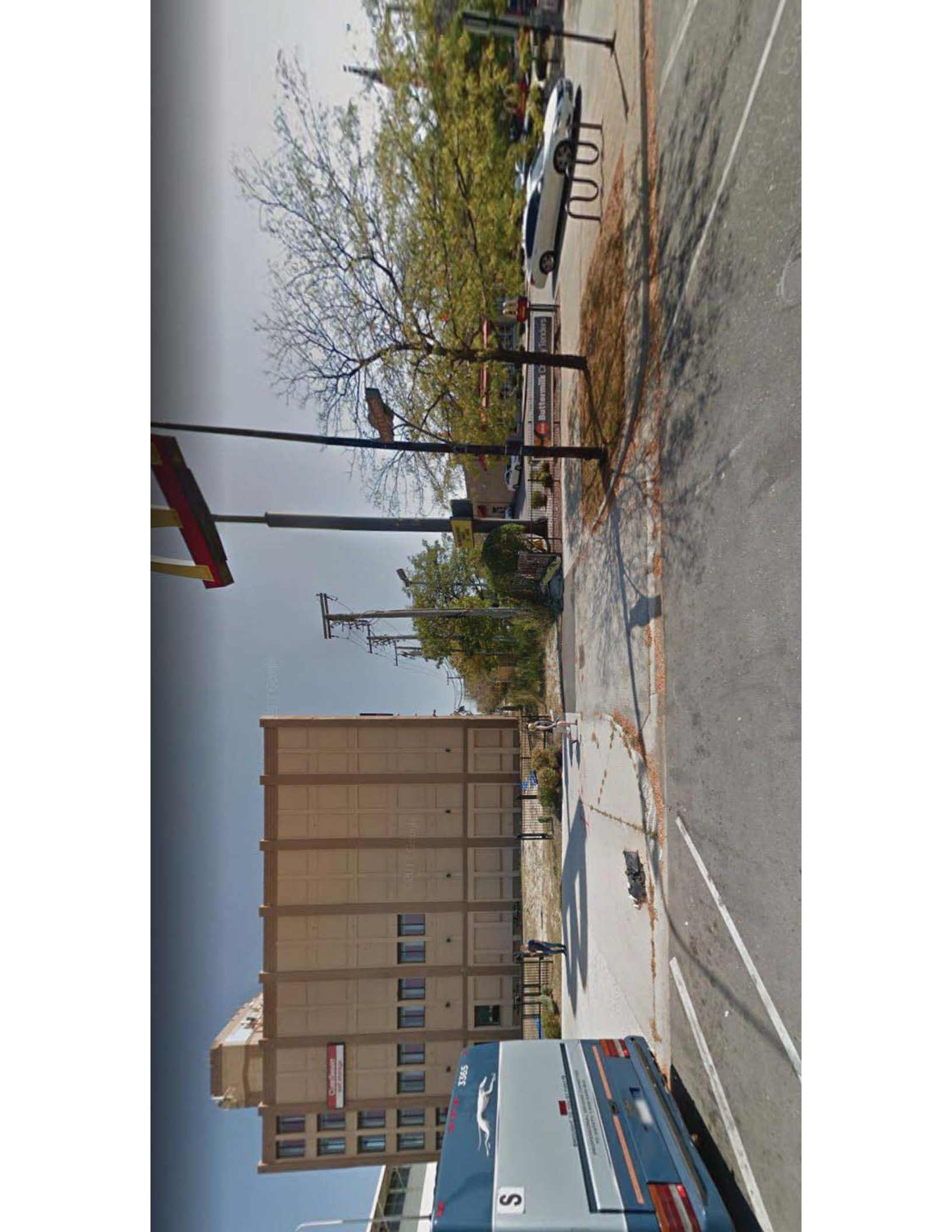
Check if City Department Work Department Name _____

Permit No.: DOT942126

Today's Date 4/23/2018 Expected Start Date 5/31/2018 2FM Approval / Date 4/26/18 Aleny Manza

Please return this completed form and location map to 2FM at 30 N. LaSalle St., Suite 300, Chicago, Illinois 60602 during normal business hours (8:30 AM - 4:30 PM, Monday through Friday).

For 2FM Use Only Monitoring required during all subsurface work. Revised August 10, 2016



Stevenson Expy

55

Stevenson Expy

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E 25th St

CubeSmart Self Storage

McDonald's

Chicago - Sykes

Google

2517 South Doctor
Martin Luther King...

Monument to the Great
Northern Migration

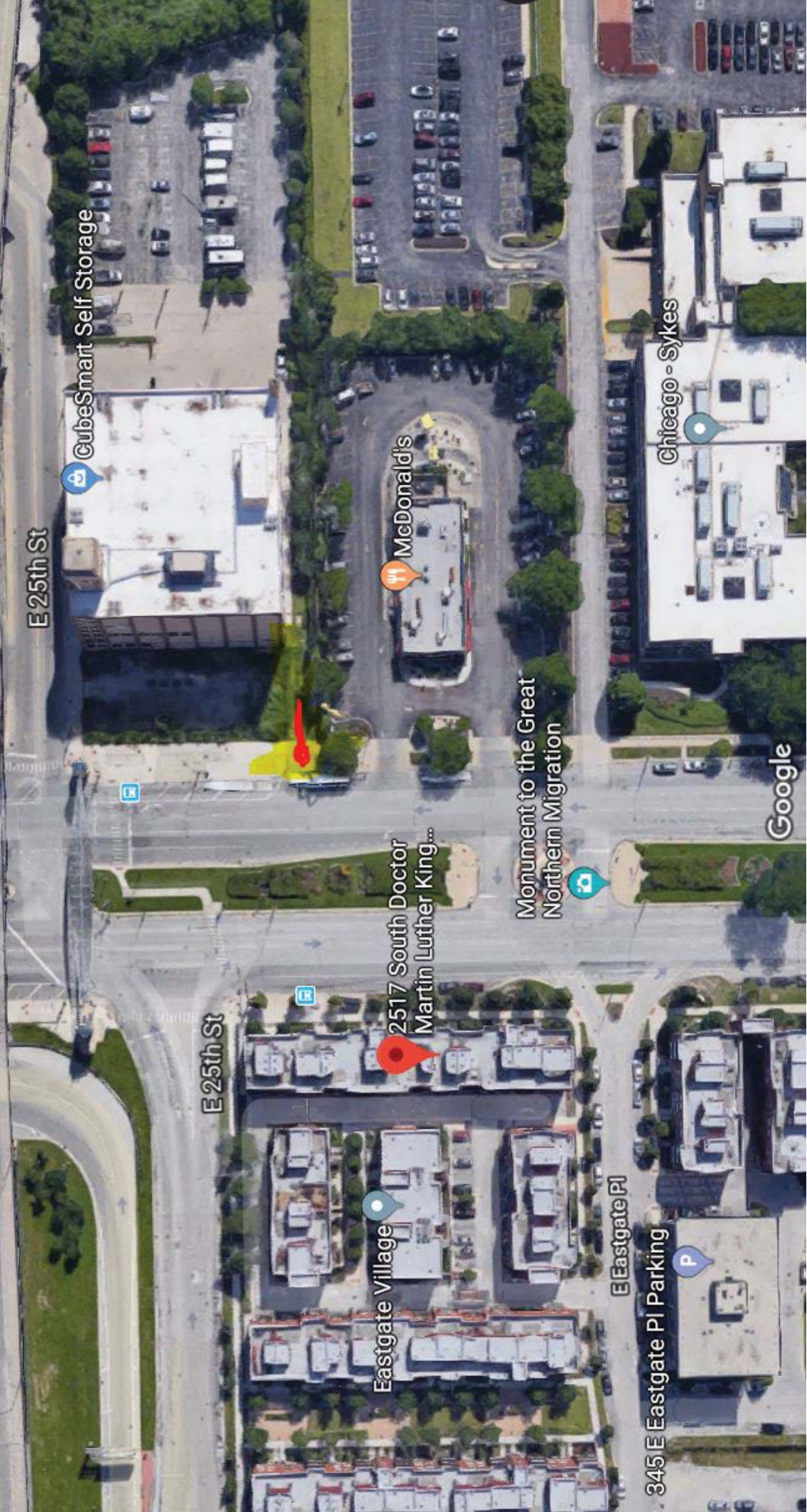
E 25th St

Eastgate Village

E Eastgate Pl

345 E Eastgate Pl Parking

P

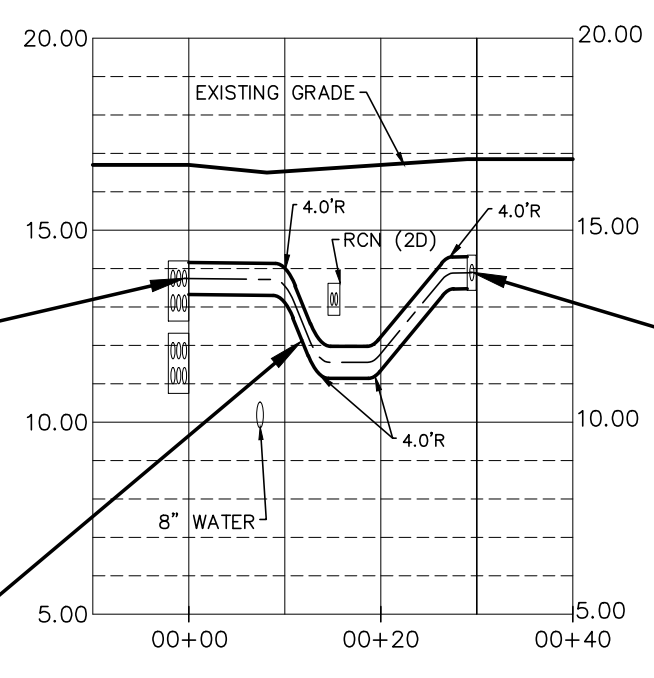
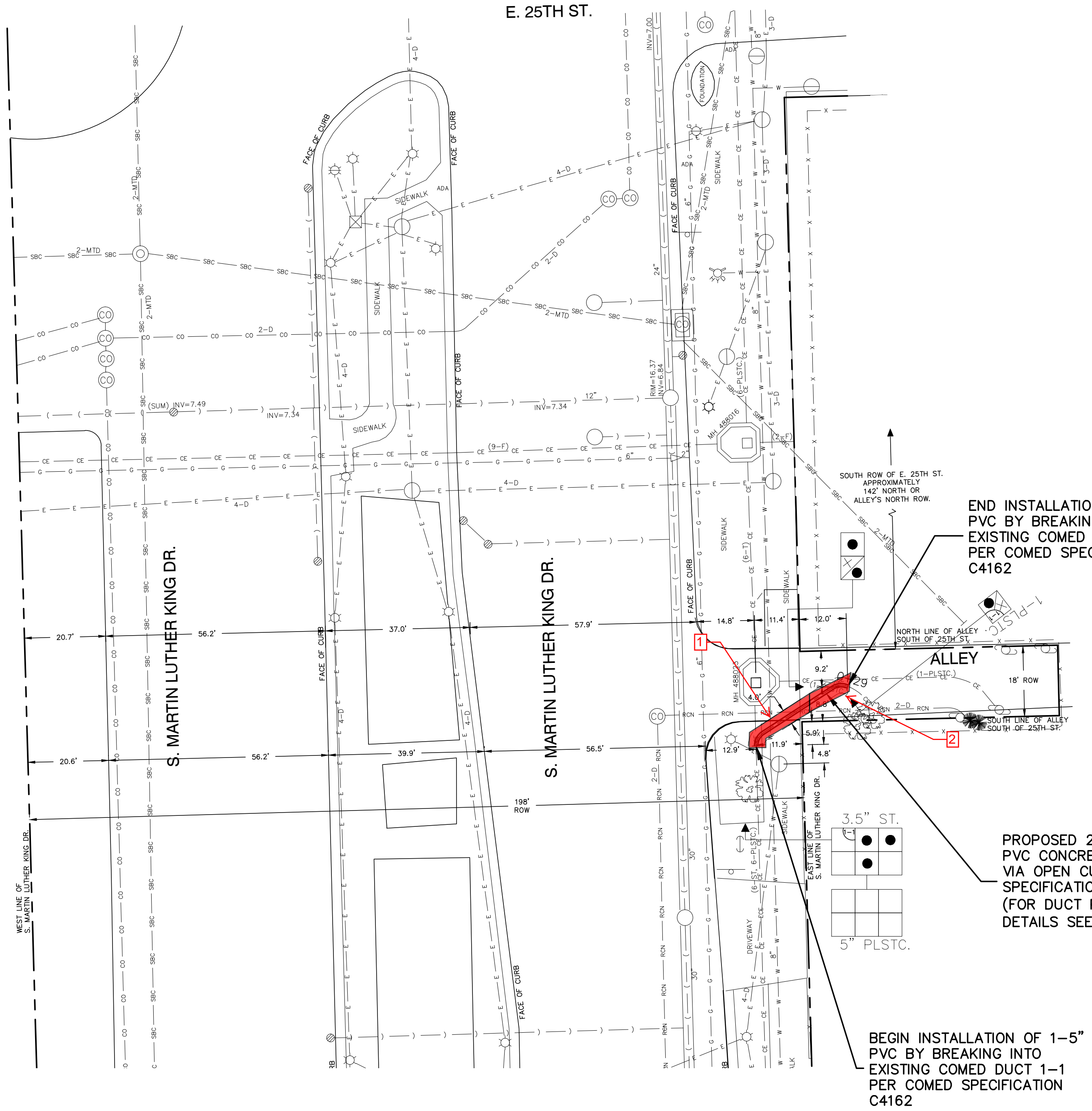


**Annotated Drawing and
Results**

CE-ST-1127 OUC#2018-81335

GENERAL CONSTRUCTION NOTES

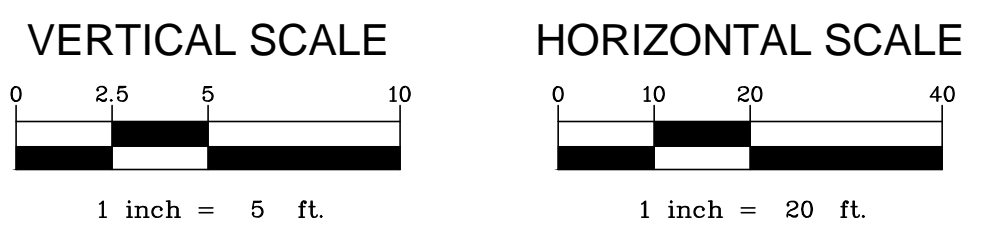
- ALL WORK DONE BY CONTRACTOR/INSTALLER PURSUANT TO THIS DRAWING SHALL:
 - CONFORM TO THE GOVERNING CONTRACT DOCUMENTS
 - BE PERFORMED EXCLUSIVELY BY ITS TRAINED, COMPETENT PERSONNEL OR, WHERE PERMITTED, THAT OF ITS SUBCONTRACTOR(S)
 - COMPLY WITH ALL APPLICABLE SAFETY LAWS, REGULATIONS, PROGRAMS AND PRACTICES TO ENSURE THE SAFETY OF ALL PEOPLE LOCATED ON THE WORK SITE, INCLUDING THE CONTRACTOR'S/INSTALLER'S PERSONNEL (OR THAT OF ITS SUBCONTRACTOR(S)) PERFORMING THE WORK.
- REFERENCES USED HAVE BEEN IDENTIFIED ON EXCAVATION/FOUNDATION/DEMOLITION DRAWINGS AND HAVE BEEN PROVIDED TO ASSIST THE CONTRACTOR/INSTALLER IN THE FIELD FOR LOCATING EXISTING UTILITIES AND OTHER POTENTIAL UNDERGROUND OR EMBEDDED INTERFERENCES. THESE REFERENCES ONLY SHOW THE APPROXIMATE LOCATION OF POTENTIAL UNDERGROUND OR EMBEDDED UTILITIES AND MAY NOT INDICATE OR REFLECT ALL EXISTING UNDERGROUND OR EMBEDDED UTILITIES OR THEIR ACTUAL LOCATIONS.
- UNDERGROUND OR EMBEDDED UTILITIES [MAY] EXIST WITHIN THE AREA OF AND ADJACENT TO THE LIMITS OF THE WORK. THE LOCATION OR IDENTIFICATION OF SUCH UTILITIES HAS NOT BEEN VERIFIED BY OWNER OR BY HBK ENGINEERING. CONTRACTOR/INSTALLER IS RESPONSIBLE FOR FIELD LOCATING AND IDENTIFYING UNDERGROUND AND EMBEDDED UTILITIES AND ANY OTHER UNDERGROUND AND EMBEDDED UTILITY DIMENSIONS.
- REFERENCES IDENTIFIED SHALL NOT SUBSTITUTE FOR THE CONTRACTOR'S/INSTALLER'S OBLIGATION TO FIELD LOCATE ANY UNDERGROUND OR EMBEDDED UTILITIES OR INTERFERENCES THAT MAY AFFECT THE WORK.
- DUE CAUTION SHALL BE TAKEN DURING ANY EXCAVATION/FOUNDATION/DEMOLITION WORK WITHIN THE AREA OF AND ADJACENT TO THE LIMITS OF THE WORK DUE TO POSSIBLE INTERFERENCES THAT MAY NOT BE REFLECTED ON THE REFERENCES IDENTIFIED.
- CONTRACTOR/INSTALLER SHALL TAKE ALL APPROPRIATE PRECAUTIONS TO ENSURE THE SAFETY OF ALL PEOPLE LOCATED ON THE WORK SITE, INCLUDING CONTRACTOR'S/INSTALLER'S PERSONNEL (OR THAT OF ITS SUBCONTRACTOR(S)) PERFORMING THE WORK.
- THE UNDERGROUND UTILITY LOCATIONS SHOWN ON THIS PLAN WERE DERIVED FROM DRAWINGS PROVIDED BY COMMONWEALTH EDISON AND THE CHICAGO DEPARTMENT OF TRANSPORTATION-OFFICE OF UNDERGROUND COORDINATION IR AND EFP PROCESSES. EXISTING FACILITY LOCATIONS ARE APPROXIMATE AND MUST BE FIELD VERIFIED PRIOR TO CONSTRUCTION. "DIGGER" IS TO BE NOTIFIED 48 HOURS PRIOR TO THE START OF ANY EXCAVATION WORK ON THIS PROJECT (312-744-700)
- CONTRACTOR SHALL VERIFY LOCATIONS OF CONDUIT DEAD-ENDS WITH COMED CONSTRUCTION SUPERVISOR.
- THE CONTRACTOR IS ADVISED TO MAINTAIN THE APPROVED MINIMUM 4'-0" HORIZONTAL AND 1'-6" VERTICAL CLEARANCES BETWEEN EXISTING SEWER AND SEWER STRUCTURES AND 3'-0" HORIZONTAL AND 1'-6" MINIMUM VERTICAL SEPARATION FOR ALL EXISTING WATER MAINS AND STRUCTURES. DEPARTMENT OF WATER MANAGEMENT FACILITIES DAMAGED DURING THIS WORK MUST BE REPORTED TO THE ENGINEERING SECTION AND MUST BE REPAIRED BY A "LICENSED DRAIN LAYER" UNDER SUPERVISION OF THE MASON INSPECTOR AND SEWER PERMIT UNIT AT 312-747-7049, 312-747-7893, RESPECTIVELY.
- THE EXISTING ABOVE GROUND UTILITY STRUCTURES AND IMPROVEMENTS SHOWN ON THIS PLAN WERE FIELD LOCATED AND VERIFIED UTILIZING CONVENTIONAL (TOTAL STATION) DATA COLLECTION METHODS.
- RESTORE PAVEMENT PER RESTORATION PLANS (SEE DRAWINGS CE-ST-1127/ UIC-03 THROUGH UIC-03) UNLESS OTHERWISE DIRECTED BY CDOT.



BEGIN INSTALLATION OF 1-5" PVC BY BREAKING INTO EXISTING COMED DUCT 1-1 PER COMED SPECIFICATION C4162

PROPOSED 29 LINEAR FEET OF 1-5" PVC CONCRETE ENCASED CONDUIT VIA OPEN CUT TRENCH PER COMED SPECIFICATION C4090 (FOR DUCT PACKAGE CONFIGURATION DETAILS SEE SHEET 06 OF 07)

END INSTALLATION OF 1-5" PVC BY BREAKING INTO EXISTING COMED DUCT 1-1 PER COMED SPECIFICATION C4162



PROFESSIONAL ENGINEER
EXPIRES 11-30-2019

Michael C. Teleschi
SIGNATURE

04-11-2018
DATE

REV	DATE	DESCRIPTION	PREPARED	REVIEWED	APPROVED
A1	04-11-18	ISSUE FOR CONSTRUCTION	BAH	LKR	MCT
A0	03-05-18	FOR OUC REVIEW	BAH	LKR	MCT

REV	DESCRIPTION	P.D.	P.E.	DATE
	COMED DISTRIBUTION CONDUIT INSTALLATION 2517 S. MARTIN LUTHER KING DR. PLAN AND PROFILE			
	MCT	312-253-1800	BAH	
	PROJECT ENGINEER	PHONE NO.	PROJECT DESIGNER	
	04-23-18	AS SHOWN	14793567	
	DATE	SCALE	P.L. NO.	PASSPORT W/O
			UIC-02	03 OF 08
			ComEd Distribution Lines Engineering	PAGE
			DRAWING NO.	

hbk ENGINEERING

HBK ENGINEERING, LLC
921 WEST VAN BUREN, SUITE 100
CHICAGO, IL 60607
PHONE: (312) 432-0076 FAX: (312) 432-0231
STATE OF ILLINOIS, DEPARTMENT OF PROFESSIONAL REGULATION, LICENSE NO. 184-002308

ANY MODIFICATION OR ADDITION TO THIS DRAWING BY ANY ORGANIZATION OTHER THAN HBK IS NOT THE RESPONSIBILITY OF HBK

PROJ. No. 18-0067

Survey Results
2517 S. Martin Luther King Dr.
ComEd/Mead

Survey Equipment

Ludlum 2221 S/N:	172039
Probe 2x2 NaI S/N:	PR174406
shielded:	7,374 cpm
background:	2450 cpm
source block:	25,000-29,000 cpm
Personnel:	A. Pacyga
Date of Screening:	6.18.18 - 6.19.18

Survey Results

Section	Depth (inches)	Readings (CPM)
1	0	Pavement
	12	1,600-2,100
	30	1,800-2,400
	48	2,200-2,900
2	0	1,700-2,300
	12	1,600-2,000
	30	2,200-2,700
	48	2,300-2,800