



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

312-373-7700 tel
312-373-6800 fax

August 23, 2018

Mr. Robert Wilson
Mobilitie, LLC
120 S. Riverside Plaza, Suite 1800
Chicago, IL 60606

RE: Small Cell Wireless Installation – 444 N. Michigan Avenue
Permit No.: DOT983406
Permit Address: 444 North Michigan Avenue, Chicago, Illinois
AECOM Project No. 60579801

Dear Mr. Wilson:

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 August 17, 2018 for a trench excavation for the installation of small cell wireless service.

Surveying was performed on the fill removed at 444 N. Michigan Avenue (see sketch) required to address the new installation. The work consisted of one trench excavation. The excavation was 10 foot long and 3 feet wide, and was excavated to approximately 24 inches below ground surface (bgs). See attached sketch for the location of each excavation.

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 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 cleanup value is 6,367 (S/N: 176944) counts per minute (cpm) shielded.

The field gamma measurements within the excavation during the excavation process did not exceed the instrument threshold previously stated, and ranged from a minimum of 1,400 cpm to a maximum of 3,300 cpm shielded. The general subsurface stratigraphy was composed of urban fill and gravel. 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 and a field sketch documenting the area where work was performed, have been included as attachments.

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

Permit No.: DOT983406
Permit Address: 444 N. Michigan Ave.
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Please contact us with any questions you have regarding this letter or the reported results.

Regards,



Kyle Korczak
Geologist



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

cc: Terry Sheahan, Chicago Department of Public Health
Verneta Simon, USEPA
Jose J Galvez, Lyons-Pinner

Attachments: Permit
Sketch

PERMIT



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): Robert Wilson

Signature: *Robert Wilson*

Site Address and Work Location (Describe exact site location and **attach map**):

444 N Michigan Avenue (excavation in Lower Michigan Avenue only) (see attached construction drawings)

Nature of Work: Attach small cell wireless equipment to replacement light pole.

Company Name, Address, Phone No.: Mobilite, LLC, 120 S. Riverside Plaza, Suite 1800, Chicago, IL, 60606, (312) 343-4882

General / Prime Contractor Name, Address, Phone No.: Lyons-Pinner, Jose Galvez, 650 E Elm Ave, La Grange, IL 60525

Include subcontractor information if applicable 708-588-6813

Safety Officer / Phone No. _____

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

Check if City Department Work Department Name: _____

CDOT Permit No.: DOT983406

Today's Date: 7/20/2018

Expected Start Date: 8/7/2018

CDPH Approval / Date *J Sheehan 7-20-18*

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

INDEX OF SHEETS

| SHEET NO. | SHEET TITLE |
|-----------|---|
| 1.0 | TITLE SHEET |
| 2.0 | GENERAL NOTES |
| 3.0 | ELECTRICAL NOTES |
| 4.0 | SITE PLAN - UPPER LEVEL |
| 5.0 | SITE PLAN - LOWER LEVEL |
| 6.0 | LIGHT POLE CONNECTION AND CONDUIT DETAILS |
| 7.0 | RESTORATION PLAN |
| 8.0 | CDOT STANDARDS |
| 9.0 | CDOT STANDARDS |
| 10.0 | CDOT STANDARDS |
| 11.0 | MAINTENANCE OF TRAFFIC NOTES |
| 12.0 | MAINTENANCE OF TRAFFIC DETAILS |
| 13.0 | MAINTENANCE OF TRAFFIC DETAILS |
| 14.0 | SIDE POLE ELEVATIONS |
| 15.0 | FRONT POLE ELEVATIONS |
| 16.0 | CABLING DIAGRAM |
| 17.0 | GROUNDING RISER DIAGRAM |
| 18.0 | EQUIPMENT DETAILS AND POLE LOADING REPORT |



SITE ID
DASC-CH90XSHD9A
SITE ADDRESS
444 N MICHIGAN AVE

PROJECT INFORMATION

ADDRESS/CROSS ST: 444 N MICHIGAN AVE
CHICAGO, IL 60611
WARD: 42
COUNTY: COOK COUNTY
UTILITIES: POWER: "COMED"
TELEPHONE: "ATA&T"
CABLE: "COMCAST"
GAS: "PEOPLES"
PROPERTY OWNER: PUBLIC RIGHT-OF-WAY
APPLICANT: MOBILITIE LLC
JURISDICTION: CDOT

PROJECT SUMMARY

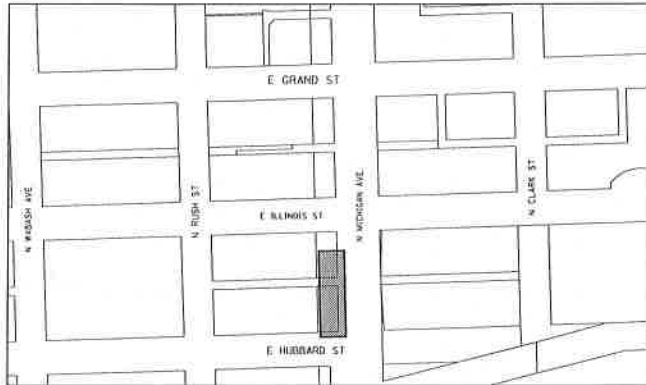
INSTALL 163' 1-1/2" RIGID PVC COATED CONDUIT
INSTALL 10' 2" PVC CONDUIT
CONNECT TO COM-ED SECONDARY FEED

STANDARDS

- CDOT RULES & REGULATIONS FOR CONSTRUCTION IN THE PUBLIC WAY MARCH 2016
- CDOT HIGHWAY STANDARDS *
 - 701601-05
 - 701606-10
 - 701611-01
 - 701801-05
 - 701901-07

FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZE PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

BEFORE YOU DIG
IN CHICAGO CALL:
2 WORKING DAYS
BEFORE DIGGING



VICINITY MAP
LATITUDE: 41.890608 N
LONGITUDE: 87.624289 W

PROJECT CONTACTS

MOBILITIE
PROJECT MANAGER
CONTACT:

ROBERT WILSON
120 S. RIVERSIDE PLAZA
CHICAGO, IL 60606
PHONE: 312-638-5363

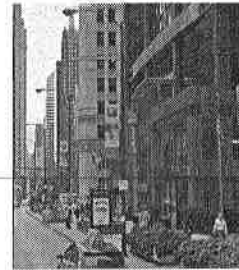
DB STERLIN CONSULTANTS, INC.
ENGINEER
CONTACT:

123 N. WACKER DR.
SUITE 2000
CHICAGO, IL 60606
PHONE: 312-857-1006

EXISTING UTILITIES

| | |
|--------------------------|--|
| LOW PRESSURE GAS MAIN | |
| MEDIUM PRESSURE GAS MAIN | |
| HIGH PRESSURE GAS MAIN | |
| ATA&T AND COMMUNICATIONS | |
| COMED | |
| DEG | |
| SEWER | |
| WATER MAIN | |

DEO WORK ORDER #: 11717006



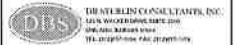
POLE LOCATION

444 N MICHIGAN AVE
LATITUDE: 41.890608 N
LONGITUDE: 87.624289 W

EXISTING POLE TO BE REMOVED AND
REPLACED TO MOUNT PROPOSED
LESSER ANTENNA, ROD AND EQUIPMENT.

SYMBOLS

| | | | |
|--|---|--|-----------------------|
| | FIRE HYDRANT | | TREE < 6" |
| | TREE W/GRADE | | TREE > 6" |
| | UTILITY MH | | PLANTER |
| | STORM MH | | NEW PW |
| | STORM CATCH BASIN | | PARKING METER NEW |
| | UTILITY POLE | | BIKE LANE |
| | SIGN | | TRAFFIC SIGNAL CAMERA |
| | LIGHT POLE | | BUS SHELTER |
| | POLE | | PARKING METER OLD |
| | MEDALLION | | DWYER BNC STATION |
| | OPEN CUT TRENCH. SIZE & LOCATION TO BE DETERMINED BY FIELD ENGINEER | | |
| | SPEED BUMP | | |
| | NEW ADA SIDEWALK RAMP | | |
| | OLD ADA SIDEWALK RAMP | | |
| | BUS PAD | | |
| | RAILROAD TRACKS | | |
| | APPROX LOCATION OF POTENTIAL BURNED CTA TRACKS | | |



PROFESSIONAL LICENSURE



REVISIONS

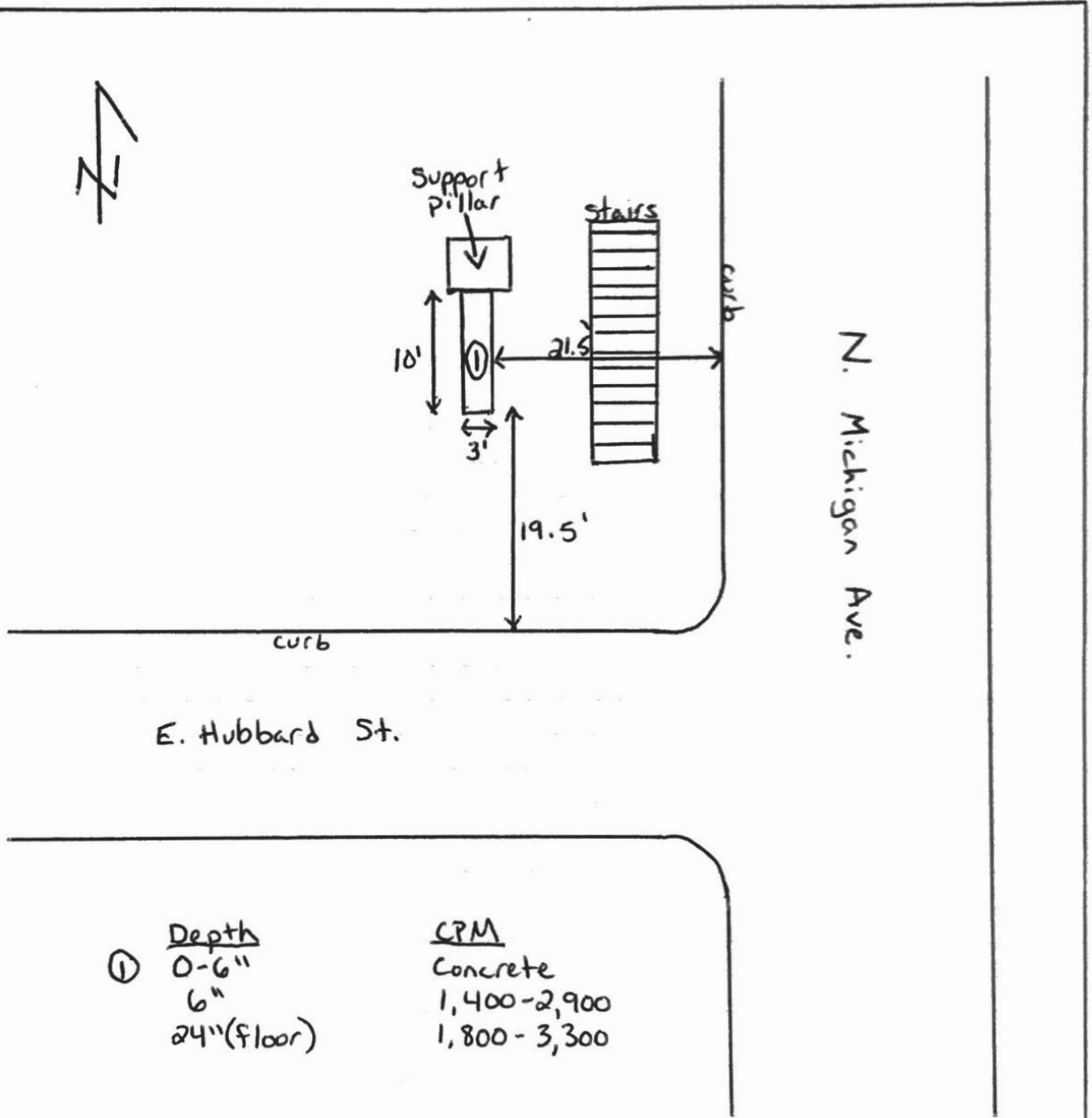
PROF CONDUIT ROUTE REVISED TO
NEW COMED MH - 4/20/2018

ISSUED FOR OJC REVIEW - 4/20/2018

TITLE SHEET

| | |
|-------------|-----------------------------------|
| DRAWN BY: | CBF |
| CHECKED BY: | HJM |
| DATE: | 10/9/2017 |
| PROJECT: | DASC CH90XSHD9A IOLC* 2017-143531 |
| TITLE: | 444 N MICHIGAN AVE |
| SCALE: | AS SHOWN |
| PAGE: | 1.0 |
| SHEET: | 18.0 |

SKETCH



| ① | Depth | CPM |
|---|-------------|-------------|
| | 0-6" | Concrete |
| | 6" | 1,400-2,900 |
| | 24" (Floor) | 1,800-3,300 |

Equipment

Ludlum 2221 S/N: 176944
 Probe 2x2 NaI S/N: RN21187
 shielded: 6,367 cpm