



**AECOM**  
303 East Wacker Drive, Suite 900  
Chicago, Illinois 60601

312.938.0300 tel  
312.938.1109 fax

April 11, 2011

Ms. Michele Pisterzi  
SBC Illinois  
2427 Union Street  
Blue Island, Illinois 60406

**Subject: Radiological Survey of Right-of-Way Utility Excavation  
Permit No. 158069762  
Permit Address: 600 – 602 North Lake Shore Drive  
AECOM Project No. 60163572**

Dear Ms. Pisterzi:

Pursuant to conditions specified in the permit found in Attachment A issued by the City of Chicago, radiation monitoring was required to be performed at the above referenced site. AECOM provided the required radiation surveillance on April 7, 2011 for a short trench and a 6-foot by 6-foot excavation to a depth of approximately 12-feet below ground surface (bgs) to install a utility pole for telecommunication equipment in the vicinity of the permitted address. The permit also listed 485-feet of trenching on E. Ohio Street, but the micro-trenching technique used installs the conduit and cable within the paving surface. Thus, no soil is disturbed and radiological surveying was not require for the micro-trenching.

Surveying was performed for the asphalt, concrete, and soil removal for the excavations required for the installation of the utility pole for the new telecommunications equipment. After asphalt and concrete were removed, the installation contractor utilized a backhoe to remove subsurface soils to expose the telecommunications utility installation area. Soil removed from the excavation was taken off-site to a nearby for proper disposal. AECOM proceeded to monitor the soils in lifts of approximately 18-inches to a depth of approximately 4-feet. Excavation spoil from a depth greater than 4 feet was screened in the bucket of the backhoe prior to being placed in the bed of a truck for disposal.

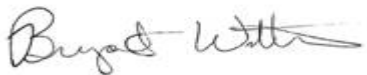
The monitoring revealed no indication of soils above the specified clean-up threshold established by the United States Environmental Protection Agency (USEPA) for the Streeterville area of Chicago. The USEPA threshold for Chicago's Streeterville area is 7.1 picocuries per gram (pCi/g total radium (Ra-226 + Ra-228). Gamma radiation count measurements for the project were made using Ludlum Model 2221 survey meter and an unshielded 2 x 2 NaI probe (Model 44-10). For the instrument used, the gamma count indicative of the 7.1 pCi/g threshold was 18,771 counts per minute (cpm) unshielded. The field gamma measurements within the excavation and the spoil materials generated during the excavation process did not exceed the respective threshold values previously stated and ranged from a minimum of 4,382 cpm to a maximum of 7,907 cpm. Thus, there was no indication of the presence of radiologically-impacted fill material and/or an exceedance of the USEPA cleanup threshold of 7.1 pCi/g total radium.

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

Chicago Department of Environment  
Attention: Ms. Rahmat Begum  
30 North LaSalle Street, 2<sup>nd</sup> Floor  
Chicago, Illinois 60602

AECOM

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



Bryant K. Williams  
Environmental Scientist



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

cc: Rahmat Begum, Chicago Department of Environment  
Verneta Simon, USEPA

Attachment A Permit  
Attachment B Figure

**Attachment A**

**Permit**



City of Chicago  
Richard M. Daley, Mayor

Department of Environment

Twenty-fifth Floor  
30 North LaSalle Street  
Chicago, Illinois 60602-2575  
(312) 744-7606 (Voice)  
(312) 744-6451 (FAX)  
(312) 744-3586 (TTY)

http://www.cityofchicago.org

Permit No.  
15806976a

Date  
3-22-2011

Site Address  
1) 600-602 N Lakeshore Dr  
2) 440-485 E Ohio St

Work Location (describe exact site location)

1) 600-602 N Lakeshore Dr.  
dig 41' x 6' x 12' opening to rmv/  
rpl foundation in csw/Plum  
2) micro-trench 465' x 1' x 1' in  
CT lane @ 440-485 E Ohio St.

Nature of Work

Dig + Trench to place  
equipment for DAS  
project in Chicago



### CITY OF CHICAGO DEPARTMENT OF ENVIRONMENT FORM NO. DOE.ROW.01

Notice is hereby given that the site you have requested information on is recorded with the City of Chicago Department of Environment 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 the Department of Environment at 30 North LaSalle St., 25th Floor, Chicago, Illinois 60602 during normal business hours (8:30 AM - 4:30 PM, Monday through Friday). Contact Rhamat Begum at (312) 744-3152 for an appointment. 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 the Department of Environment, 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 Department of Environment 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.

Signature Michele Pisterzi

Name (print) Michele Pisterzi

Company AT&T

Address 2457 Union Blue Island IL

Phone No. 708 824 2817

Prime Contractor/Contact John Burns Const. / Diamond Coring

Address Contact: michele.pisterzi@att

Phone 708 824 2817

Safety Officer/Phone Steve Korndor

Radiation Contractor/  
Phone (if applicable) 847-279-2448

Signed by Department of Environment Rahmatunisa Begum

Date 3/22/2011

Please return this completed form to the City of Chicago Department of Transportation at 30 N. LaSalle St., Room 1101, Chicago, Illinois 60602 during normal business hours (8:30 AM - 4:30 PM, Monday through Friday).



**Attachment B**

**Figure**

- PLAN NOTES:**
- CONTRACTORS COST TO INCLUDE THE FOLLOWINGS.
    - COST OF BACKFILL & REMOVAL OF EXCESS SPOIL DUE TO SUCH BACKFILL
    - COST OF PROTECTING ALL OPENINGS/EXCAVATION DURING CONSTRUCTION
    - COVER TO TOP OF CONCRETE ENCASUREMENT TO BE 6" MINIMUM
    - ALL CONCRETE TO BE TYPE "C" CONCRETE ENGAGED
    - CONTRACTOR AT HIS EXPENSE TO HAVE UTILITIES LOCATED AND MARKED AND TO DIG ALL NECESSARY TEST HOLES
    - SAW CUT ALL PAVEMENT & SIDEWALKS BEFORE INCLUDING
    - ALL SIDEWALKS TO BE ENTIRELY REPLACED, INCLUDING HANDICAP WALKS AND RAMPS AFTER COMPLETION OF WORK
    - MAINTAIN PEDESTRIAN & VEHICULAR TRAFFIC AT ALL TIMES
    - MAINTAIN TRAFFIC FLOW IN & OUT OF ALL DRIVEWAYS
    - CONTRACTOR TO CONTACT DIGGER ON 312-744-7000 AND NOTIFY UTILITIES 48 HOURS IN ADVANCE OF DIGGING
    - CONTRACTOR TO ADHERE TO OSHA/CDOT/ROOT REGULATIONS REGARDING JOB AS APPLICABLE
    - REMOVE OF ALL SPOIL & BACKFILLING OF ALL EXCAVATIONS TO CONFORM TO CITY OF CHICAGO CODE AND RESPECTIVE WARD.

- LEGEND:**
- LIGHT POLE
  - LIGHT POLE W/ TRAFFIC SIGNAL ARM
  - TRAFFIC POLE
  - DECORATIVE POLE
  - UTILITY POLE
  - WOOD POLE W/ TELCO BOX
  - TRAFFIC CONTROL BOX
  - \* CAMERA ATTACHED TO POLE
  - ↑ ONE WAY STREET
  - ↔ TWO WAY STREET
  - ⓔ COMED MANHOLE
  - ⓓ DEC MANHOLE
  - Ⓣ ATT MANHOLE
  - Ⓢ SEWER MANHOLE
  - CATCH BASIN
  - INLET
  - Ⓞ FIRE HYDRANT
  - ⓧ WATER VALVE VAULT
  - PROPOSED ELEC. CONDUIT
  - - - PROPOSED FIBER CONDUIT
  - - - PROPERTY LINE
  - TELEPHONE CABLE
  - GAS PIPE
  - SEWER LINE
  - WATER PIPE
  - ASPH = ASPHALT PAVEMENT
  - CSW = CONCRETE SIDEWALK

**TYPE OF POLE: TRAFFIC OR (LST) IS THE POLE DECORATIVE? YES OR (ND) OTHER EQUIPMENT ALREADY INSTALLED ON POLE? YES OR (ND) BASE OF POLE - BALLAST HOUSING: YES OR (ND) UTILITIES OR (ND) NEAREST BLDG ADDRESS: 600 N LAKE SHORE DR, CHICAGO, IL 60611 COLOR OF POLE: BLACK**

**EXISTING LIGHT POLE & FOUNDATION TO BE REMOVED & REPLACED WITH:**

**FOUNDATION:** EXISTING POLE FOUNDATION TO BE REMOVED & REPLACED W/ NEW 30"x11'-0" WITH 1-1/2" ANCHOR RODS ON EXACT SAME POLE LOCATION. REFER CITY OF CHICAGO DEPARTMENT OF TRANSPORTATION DIVISION OF ELECTRICAL OPERATIONS DRAWING #817. SEE SHEET 501.

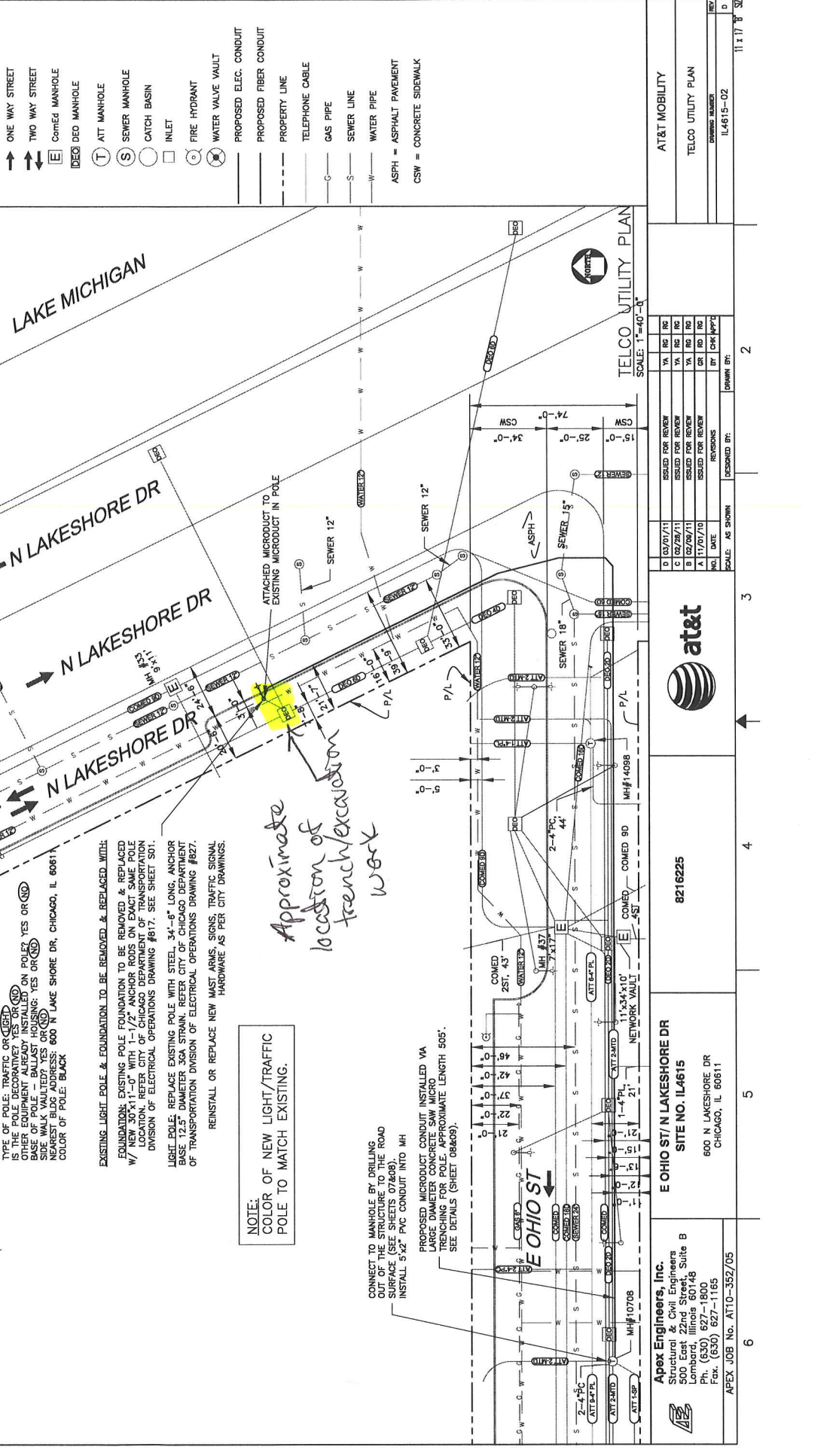
**LIGHT POLE:** REPLACE EXISTING POLE WITH STEEL, 34'-6" LONG, ANCHOR BASE 12.5" DIAMETER 30A STRAIN. REFER CITY OF CHICAGO DEPARTMENT OF TRANSPORTATION DIVISION OF ELECTRICAL OPERATIONS DRAWING #827.

REINSTALL OR REPLACE NEW MAST ARMS, SIGNS, TRAFFIC SIGNAL HARDWARE AS PER CITY DRAWINGS.

**NOTE:** COLOR OF NEW LIGHT/TRAFFIC POLE TO MATCH EXISTING.

CONNECT TO MANHOLE BY DRILLING OUT OF THE STRUCTURE TO THE ROAD SURFACE (SEE ELECTRICAL/TRAFFIC) INSTALL 5"x2" PVC CONDUIT INTO MH

PROPOSED MICRODUCT CONDUIT INSTALLED VIA LARGE DIAMETER CONCRETE SAW MICRO TRENCHING FOR POLE. APPROXIMATE LENGTH: 505'. SEE DETAILS (SHEET 08&09).



**TELCO UTILITY PLAN**  
SCALE: 1"=40'-0"

NO.	DATE	REVISIONS	BY	CHK	APP'D
D	03/07/11	ISSUED FOR REVIEW	VA	RC	RC
C	02/28/11	ISSUED FOR REVIEW	VA	RC	RC
B	02/09/11	ISSUED FOR REVIEW	VA	RC	RC
A	11/07/10	ISSUED FOR REVIEW	GR	RC	RC

SCALE: AS SHOWN  
DESIGNED BY: [ ]  
DRAWN BY: [ ]

AT&T MOBILITY	
TELCO UTILITY PLAN	
NO.	DATE
1	11/17/08
2	11/17/08

**at&t**

8216225

**E OHIO ST / N LAKESHORE DR**  
SITE NO. IL4615  
600 N LAKESHORE DR  
CHICAGO, IL 60611

**Apex Engineers, Inc.**  
Structural & Civil Engineers  
500 East 22nd Street, Suite B  
Chicago, IL 60611  
Phone: (630) 627-1800  
Fax: (630) 627-1165  
APEX JOB NO. AT10-352/05

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