AECOM
303 E. Wacker Drive, Suite 900
Chicago, Illinois 60601

312-938-0300 tel
312-938-1109 fax

August 13, 2013

Mr. Alex Polanco
Old Veteran Construction
10942 South Halsted Street
Chicago, IL 60628

RE: Radiological Survey of Right-of-Way Utility Excavation
Permit No.: 355978338
Permit Address: 554 N. St. Clair St.
AECOM Project No. 60279661

Dear Mr. Polanco:

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 the days of August 12-13, 2013 for an excavation to install a sewer service line for the address located at 554 N. St. Clair St.

Surveying was performed for the soil removed from a 6-foot by 20-foot trench excavation within the street on the west side of St. Clair Street (see sketch) to a depth of 6-feet below ground surface, required for an installation of a sewer service line. The monitoring revealed no indication of soils above the specified clean-up threshold established by the U. S. Environmental Protection Agency (USEPA) for the Streeterville area of Chicago. The USEPA cleanup value 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 inch NaI probe (Model 44-10). For the instrument used, the gamma count indicative of the 7.1 pCi/g threshold was 18,701 counts per minute (cpm) unshielded (7,066 cpm shielded). The field gamma background for the area was measured at approximately 10,900 cpm unshielded. The field gamma measurements within the excavation and the spoil materials generated during the excavation process did not exceed the threshold value equivalent to the USEPA cleanup value previously stated and ranged from a minimum of 7,000 cpm to a maximum of 14,900 cpm unshielded. Thus, there was no indication of the presence of radiologically-contaminated fill soil and/or an exceedance of the USEPA cleanup threshold of 7.1 pCi/g total radium.

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

Chicago Department of Public Health
Attention: Ms. Rahmat Begum
333 South State Street, Room 200
Chicago, Illinois 60604

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

Regards,

Brian R. Schmidt
Project Scientist II

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

cc: Rahmat Begum, Chicago Department of Public Health
Verneta Simon, USEPA

Attachments: Permit
Sketch

DEPARTMENT OF PUBLIC HEALTH

CITY OF CHICAGO

FORM NO. CDPH.PRPTY.02 (STREETERVILLE - Private Property)

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. This environmental contamination could present a threat to human health and safety in connection with work performed at the site, 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. Further, I will ensure that all work at the subject 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 CDPH and the United States Environmental Protection Agency (USEPA) **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 Hudgens Signature: [signature]

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

Area #19 554 ST Claire Ave

Nature of Work: Site Utility (Sewer / Water)

Company Name, Address, Phone No.: Ewing Doherty Mechanical 304 N York rd, Bensenville IL 630-766-5920

General / Prime Contractor Name, Address, Phone No.: OD Veteran Construction 10942 S Halsted
Include subcontractor information if applicable)

Safety Officer / Phone No. Rocky Beydan 810-599-4116

Radiation Contractor / Phone No. (if applicable) AE COM Steve Korader 847-343-6007

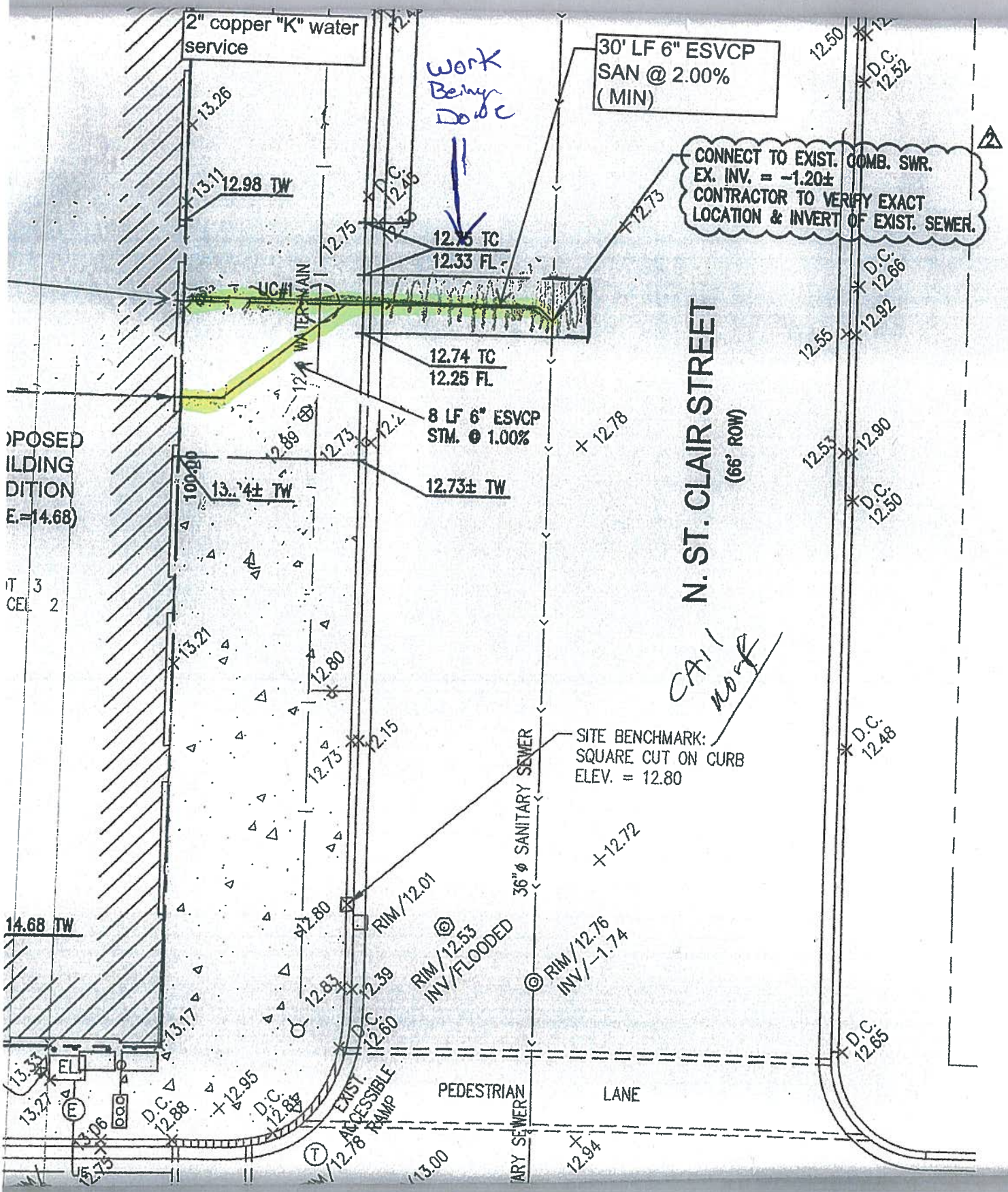
Check if City Department Work ☐ Department Name: _____

CDOT Permit No. or Developer Services No..: 355978338

Today's Date: 3/5/13 Expected Start Date: 3/7/13 CDPH Approval / Date Rahmatunisa Begum 3/5/2013

Please return this completed form along with maps showing exact site location to CDPH at 333 S. State St., Room 200, Chicago, Illinois 60604 during normal business hours (8:30 AM - 4:30 PM, Monday through Friday)

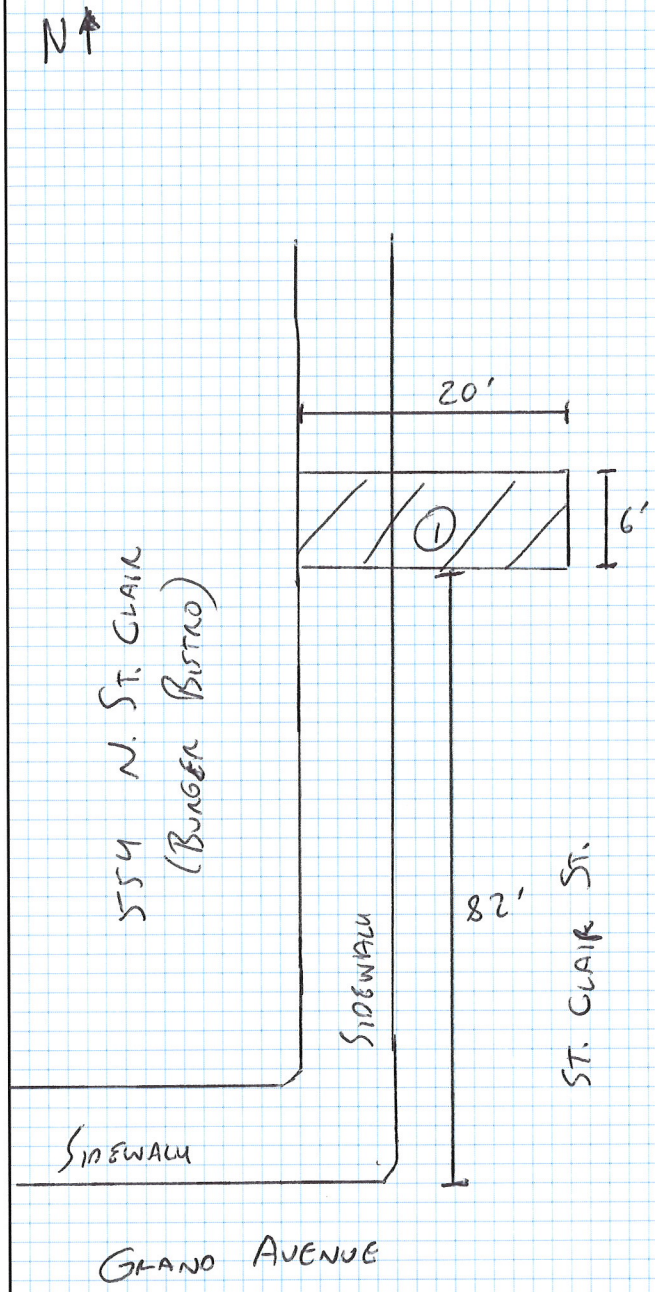
For CDPH Use Only



554 ST CLAIRE

AECOM

JOB TITLE: Burger Bistro - Sewer ROW Installation
JOB NO.: 60279661
CALCULATION NO.:
ORIGINATOR: Brian Schmidt
DATE: 8/12-13/2013
REVIEWER: Steve Kornder
DATE: 8/13/2013
SCALE: N/A
SHEET NO. 1 OF 1



① - Sewer Trench Excavation
6'W x 20'L x 6'D

Depth	Counts Per Minute
0-18"	12,300
18-36"	14,900
36-54"	7,000
54-72"	8,800
72-90"	8,000

Background Value = 10,900 cpm
(1 min count)

Survey meter = Ludlum - 2221 w/
2 x 2 NaI Probe (unshielded)

Cut-off value = 18,701 cpm
(unshielded)

Grid: 10x10 = 1"