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

312-939-1000 tel
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April 24, 2018

Ms. Doreen Wolf
CityView Condominium Association
440 N. McClurg Ct.
Chicago, IL 60611

RE: Radiological Survey of Fence Installation
Dig No.: #600421380
Permit Address: 440-47 N. McClurg Ct., Chicago Illinois
AECOM Project No. 6070054

Dear Ms. Doreen Wolf:

Pursuant to conditions required by the U.S. Environmental Protection Agency (USEPA) and the City of Chicago Department of Public Health (CDPH), radiation monitoring was required to be performed at the above referenced site. AECOM Technical Services, Inc. (AECOM) provided the required radiation surveillance on March 21 and 28, 2018 for excavations related to a fence installation for a garden area.

Surveying was performed over the exposed surface of the landscaped area and on the spoil removed during a fence post installation west of the intersection of N. McClurg Ct. and E. North Water St. (refer to annotated drawing). The activities included excavation for fence posts every 4-feet due south from existing fence in the southeast corner of the Site. The excavations along the sidewalk were 6-inches in diameter to an approximate depth of 36-inches below ground surface (bgs).

The monitoring did not indicate that the fill soil results (refer to table) were above the removal action level established by the 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 Nal probe (Model 44-10). For the instruments used, the gamma count threshold indicative of the 7.1 pCi/g removal action level was 7,374 (S/N: 172039) counts per minute (cpm) shielded. The field instrument gamma background for the area was measured at 2,700 to 2,900 cpm shielded. Although none were observed for this project, field gamma measurements greater than twice the field background represent potential anomalous results that require more cautious and frequent field screening, but are not necessarily indications of the presence of thorium contaminated fill soil.

The field gamma measurements within the excavations and of the spoil during the excavation process did not exceed the instruments threshold previously stated and ranged from a minimum of 1,800 cpm to a maximum of 4,500 cpm shielded. 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

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

Regards,

Andrew Kozak
Geologist

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

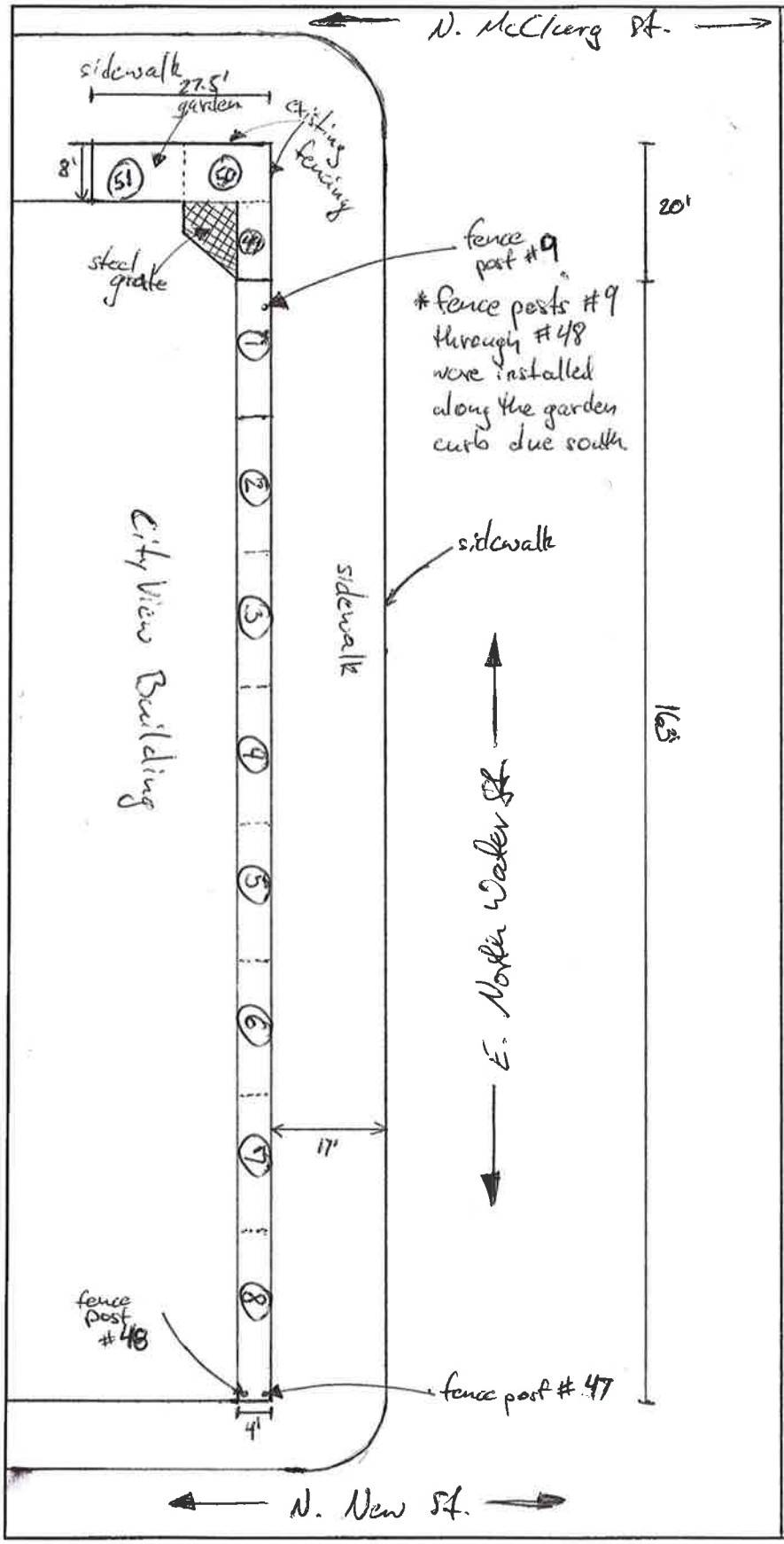
cc: Terry Sheahan, Chicago Department of Public Health
Verneta Simon, USEPA

Attachments: Sketch
Results Table

SKETCH

AECOM

JOB TITLE CityView 440-447 N. McClurg St.
JOB NO. 60570054 CALCULATION NO.
ORIGINATOR A. Kozak DATE 3/21/18, 3/28/18
REVIEWER S. Korander DATE 4/2/18
SCALE SHEET NO. 1 OF 1



Survey Equipment
Ludlum 2224 SN : 172039
Probe 2x2 NaI S/N : PR174406
shielded : 7,574 cpm
background : 2700-2900 cpm
source block : 26k-29k
personnel : A. Kozak

TABLE

Survey Readings
440-447 N. McClurg Ct.,

Section #	Depth	Readings (CPM)
1	0"	2900-3500
2	0"	2100-3400
3	0"	2600-3300
4	0"	2700-3900
5	0"	2100-3900
6	0"	2500-3000
7	0"	2400-3100
8	0"	2800-3000
9	18"	3800-3600
	36"	3000-3500
10	18"	3100-4100
	36"	3900-4500
11	18"	3900-4100
	36"	4300-4800
12	18"	3700-4300
	36"	4200-4500
13	18"	4400-5000
	36"	4200-4600
14	18"	4200-4400
	36"	3700-4800
15	18"	4100-4200
	36"	3300-4300
16	18"	4200-4400
	36"	3400-3700
17	18"	3200-4500
	36"	3700-3800
18	18"	4200-4800
	36"	5000-5500
19	18"	4700-5200
	36"	4900-5100
20	18"	4100-5100
	36"	4300-4700
21	18"	4000-4600
	36"	4500-4900
22	18"	3600-4300
	36"	3400-3800
23	18"	4200-4700
	36"	3000-3600
24	18"	3600-3900
	36"	2700-3400
25	18"	3700-4100
	36"	2900-3700
26	18"	3800-4300
	36"	3300-3500
27	18"	3500-3900
	36"	2600-2900
28	18"	3200-4000
	36"	2400-3000

Section #	Depth	Readings (CPM)
29	18"	2100-2700
	36"	2500-2700
30	18"	3200-4000
	36"	2300-2900
31	18"	2800-3300
	36"	2300-2700
32	18"	3500-4300
	36"	2800-3100
33	18"	3600-4600
	36"	4000-5000
34	18"	3900-4600
	36"	4700-5000
35	18"	3900-4700
	36"	3500-3900
36	18"	4600-5100
	36"	3800-4800
37	18"	4000-4500
	36"	3200-3500
38	18"	3800-4300
	36"	3300-3900
39	18"	3800-4700
	36"	4400-4900
40	18"	3500-4100
	36"	2100-2900
41	18"	3000-3900
	36"	2900-3200
42	18"	3100-3800
	36"	2800-3300
43	18"	3100-3500
	36"	2400-2800
44	18"	3100-3800
	36"	2900-3100
45	18"	3700-4100
	36"	2400-2700
46	18"	3300-3700
	36"	3100-400
47	18"	3100-3800
	36"	3000-3700
48	18"	3300-3600
	36"	2300-3100
49	0"	1800-2700
50	0"	2000-2700
51	0"	2600-3000

Ludlum 2221 SN	#172039
Shielded Cutoff	7,374 cpm
Background	2,800 cpm