



September 24, 2025

705374

Arthur Weir
Forge Projects, LLC
1806 W. Cuyler, Suite 2G
Chicago, IL 60613

RE: Thorium Monitoring – 106-112 E. Ontario St.
CDOT Permit: 2153325

Dear Mr. Weir:

Stan A. Huber Consultants, Inc (SAHCI) was hired by your firm to provide radiation monitoring during excavation for installation of 34 feet of new duct package at 106-112 E. Ontario St. in Chicago, Illinois. The monitoring was performed by Bethany Tennyson and Jeremy Kieser, SAHCI Health Physicists, on September 8 through 11, 2025.

Instrumentation

Surface gamma scans were performed using Ludlum Model 2221 Scaler / Ratemeters (serial no. 134844 and 126946) with attached Ludlum Model 44-10 2"x2" NaI Detectors (w/ 6" collimated lead shields). The instruments were calibrated on May 6, 2025. The US Environmental Protection Agency (USEPA) action level of 7.1 picocuries per gram (pCi/g) total thorium for instrument 132844 is 7,141 counts per minute (cpm), and 6,656 cpm for instrument 126496.

The average background count rate for this location ranged from 1,736 cpm to 1,793 cpm.

Soil Gamma Scans

Gamma surface scans were performed using the Ludlum Model 2221 Scaler / Ratemeter described above. Survey data was collected by entering the excavation and recording the highest count rate for the floor and walls to a maximum depth of 90 inches below ground surface. Soil excavated below 48 inches deep was screened in the excavator bucket, rather than entering the excavation. All concrete and soil were loaded directly into a truck for disposal after screening.

The maximum gamma count rates for each 18-inch lift were recorded on the attached Radiation Survey Form. The count rates in the excavation ranged from 1,500 cpm to 3,800 cpm. No count rates were found at any time that exceeded the threshold limits of 7,141 cpm and 6,656 cpm, respectively.

Additional Monitoring

Since no count rates were identified above the 7.1 pCi/gram threshold limit, no additional soil sampling, air monitoring, or personnel monitoring were performed.

I will be providing a copy of this report to both the City of Chicago Department of Public Health and US Environmental Protection Agency, as required.

Thank you for your assistance with this project. If you have any questions or need additional information, please call me at (815) 485-6161.

Sincerely,
Stan A. Huber Consultants, Inc.



Glenn Huber, CHP
President

Radiation Survey Form

Location/ Project ID: 106-112 E. Ontario St. Intren - 34' of new duct package

Date: September 8-11, 2025

Technician: Bethany Tennyson / Jeremy Kieser

Inst Model: Ludlum 2221

Serial No.: 132844 / 126496

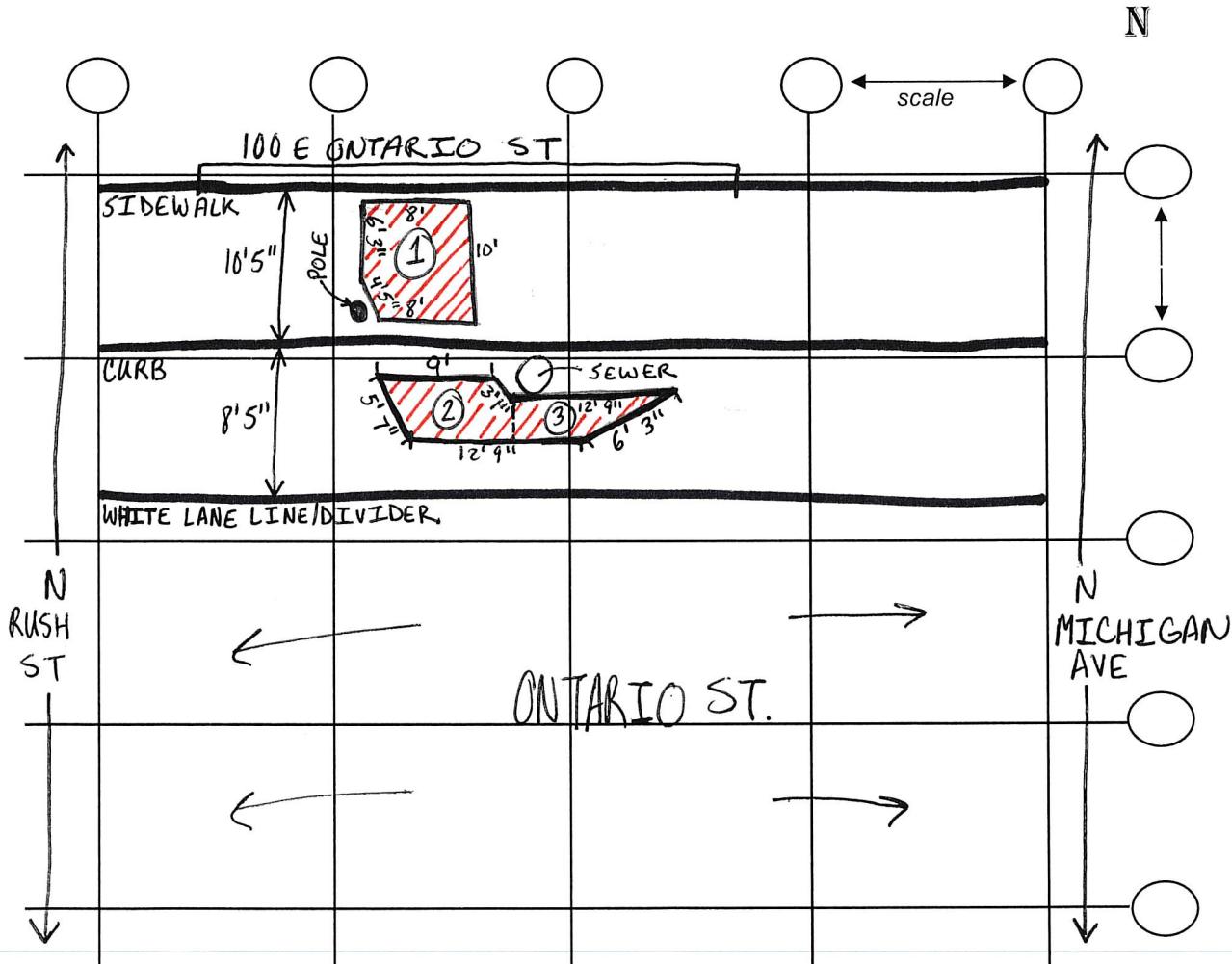
Probe Type: 1"x1" Nal / 2"x2" Nal
Shielded / Not Shielded

Lift Elevation: Surface to -7.5'

Background 1736 - 1793 cpm

Action Level: 7141/6656 cpm

Write grid designations in circles. Record highest counts for grid in cpm. Record 30 second counts at grid intersections (if required). Shade areas of elevated counts and record max cpm.



= EXCAVATED

	<u>SURFACE</u>	<u>18"</u>	<u>36"</u>	<u>48"</u>	<u>54"</u>	<u>60"</u>	<u>72"</u>	<u>90"</u>
①	2000 cpm	① 1900 cpm	① 1800 cpm	① -	① 1800 cpm	① -	① 1700 cpm	① 1700 cpm
②	1500 cpm	② 2000 cpm	② 2600 cpm	② 2600 cpm	② -	② 2700 cpm	② -	② -
③	1800 cpm	③ 2000 cpm	③ 3500 cpm	③ 3800 cpm	③ -	③ 2500 cpm	③ -	③ -