961852

135 S. LaSalle Street, Suite 3500
Chicago IL 60603
T 312 541 4200

February 17, 2021

Mr. Carl Brown
Project Manager
Tribune Tower West Chicago Owner, LLC.
c/o Golub & Company625.
North Michigan Ave. Suite 2000
Chicago, Illinois 60611

Re: Thorium Screening Summary Letter
2 ADA Ramps and 65 feet Sidewalk Re-surfacing
138-142 E. North Water Lower Street, Chicago, Illinois
Permit #DOT1398143

Dear Mr. Brown:

Pursuant to conditions specified in an excavation screening permit (see attachment A) issued by the Chicago Department of Public Health (CDPH), radiation screening survey was required to be performed at the above referenced Site. The Site is on the Right-of-Way, 138-142 East North Water Street, Chicago, Illinois.

Screening for Thorium

For six days (December 24, 2020, December 28 through December 31, 2020, and January 4th, 2021), Mike Duet from RPS was present for the inspection and thorium screening activities during the pavement re-surface activities on the Right-of-Way area at the above-referenced address. The asphalt/concrete surface, and the fill soil underlying the pavement when broken were screened using a Ludlum Model 12 survey meter with a sodium iodide scintillation detector. The screening survey was required for potential thorium contamination during any intrusive activities when fill materials could potentially be disturbed in the Streeterville Area.

The Ludlum Model 12 meter has a thorium calibration value of 5,950 counts per minute (cpm) with a background reading of 2,000 cpm on the Site for all six days (one background reading was collected at each morning). The calibration value plus the background gives an action limit of 7,950 cpm for the meter at the Site for the duration. Any meter readings over 7,950 cpm would be considered elevated and would require soil sampling and isolation procedures upon waiting for analytical results to confirm the radiation results. The USEPA cleanup level for Chicago's Streeterville area is 7.1 picocuries per gram (pCi/g) total radium (Ra-226 + Ra-228).

The background and maximum readings collected during the intrusive activities for the 6-day duration are listed below:

Date	Background Reading	Maximum Reading
12/24/2020	2,000 cpm	3,800 cpm
12/28/2020	2,000 cpm	3,200 cpm
12/29/2020	2,000 cpm	2,400 cpm
12/30/2020	2,000 cpm	2,400 cpm
12/31/2020	2,000 cpm	2,400 cpm
1/4/2021	2,000 cpm	2,400 cpm

RPS screened the concrete surface, gravel surface after the concrete was broken/removed and the soil/fill below the pavement. All the screening results were below the USEPA screening action level for thorium; thus, no suspected thorium contamination was detected in the work area for the 6-day duration.

No excavation into the fill/soil below the pavement was performed, once the pavement was broken/removed. No fill soil was hauled away from the Site for the duration. Broken concrete was transported off-site for disposal/recycling. Pictures of selected field activities are included in Attachment B.

As part of the permit conditions this letter is forwarded to:

Chicago Department of Public Health
Attention: Terry Sheaham
333 South State Street, Room 200
Chicago, Illinois 60604

US Environmental Protection Agency
Attn. Verneta Simon
77 West Jackson Blvd.
Chicago, Illinois 60604

If you have any questions, please feel free to contact me at 312-262-4330.

Sincerely,

RPS Group, Inc.

John H. Yang, LPG
Senior Vice President

cc: Verneta Simon – USEPA
Terry Sheaham – Chicago Department of Public Health

Attachments:
A - CDPH Authorization/Permit & Work Area Map
B - Photo Logs

Attachment A

Site Location Map & CDPH Permit

DEPARTMENT OF PUBLIC HEALTH

CITY OF CHICAGO

FORM NO. CDPH.ROW.03

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): __John_Yang_____ Signature: _____

Site Address and Work Location (Describe exact site location and attach map): _138 E North Water Street to_142 E North Water Street, _____Chicago_____

Nature of Work: Removing curbs,sidewalk/subbase by Excavator, Repouring curbs, sidewalk, & subbase (Concrete)_____

Company Name, Address, Phone No.: _Roy Strom -Fish @708-906-0845_____

General / Prime Contractor Name, Address, Phone No.: Walsh, 929 W Adams ST, Chicago, IL 60607 _____
Include subcontractor information if applicable)
Safety Officer / Phone No. ___Tom Laudadio 312-285-5541_____

Radiation Contractor / Phone No. (if applicable)__RPS Group - John H. Yang 312-262-4330_____

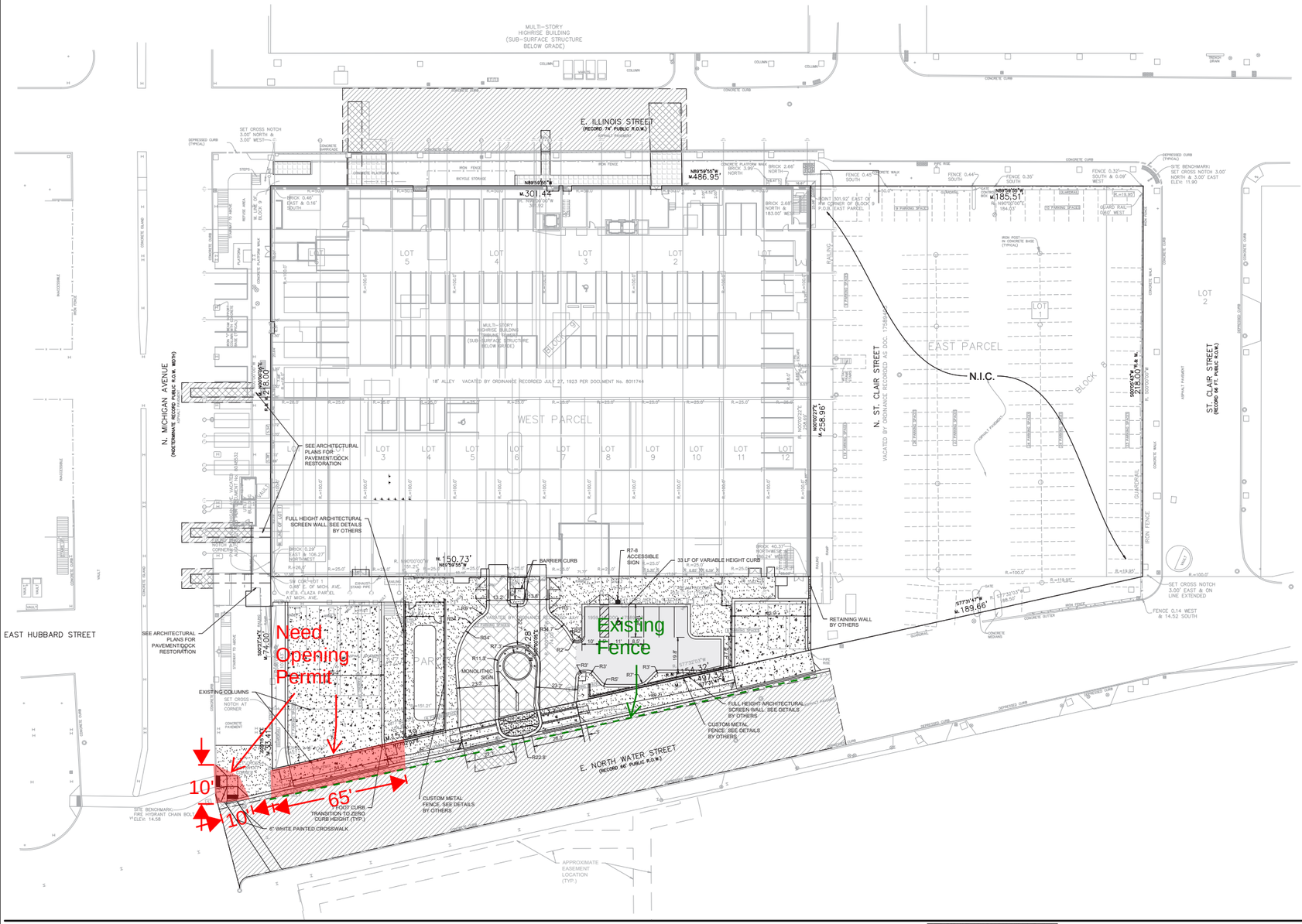
Check if City Department Work ☐ Department Name: _____

CDOT Permit No.: DOT1398143

Today's Date: _12/16/2020_____ Expected Start Date: _12/18/2020 _____ CDPH Approval / Date ahmad nur 12/16/2020

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***



NOTES:

1. ALL DIMENSIONS SHOWN ARE TO BACK OF CURB UNLESS OTHERWISE NOTED.
2. ALL CURB AND GUTTER SHALL BE TYPE 3 UNLESS OTHERWISE NOTED.
3. REMOVE EXISTING SIGNAGE IN THE RIGHT OF WAY DURING CONSTRUCTION AND REPLACE IN KIND.
4. APPROXIMATE LIMITS OF PAVEMENT RESTORATION SHOWN. FINAL LIMITS SUBJECT TO CDOT RESTORATION AGREEMENT.
5. REFER TO ARCHITECTURAL PLANS FOR PAVER LAYOUT DETAI

PAVING LEGEND

CDOT PAVEMENT RESTORATION *

1 3/4" EXISTING ASPHALT TO BE MILLED & PROPERLY DISPOSED OF BY CONTRACTOR
1 3/4" HOT MIX ASPHALT SURFACE COURSE, MIX D, N90

FULL DEPTH CDOT PAVEMENT RESTORATION *

1 1/2 " HOT MIX ASPHALT SURFACE COURSE, N90
2 1/4 " HOT MIX ASPHALT BINDER COURSE, N50/N30
BITUMINOUS MATERIAL (PRIME COAT) AND AGGREGATE (PRIME COAT)
9" P.C. CONCRETE BASE COURSE
6" SUB-BASE GRANULAR MATERIAL, TYPE B

REGULAR DUTY BITUMINOUS PAVEMENT

1.5" BITUMINOUS SURFACE COURSE, MIX D N50
2.5" BITUMINOUS BINDER COURSE, IL90, N50
12" AGGREGATE BASE COURSE - CA6

CONCRETE SIDEWALK

5" P.C. CONCRETE PAVEMENT
4" AGGREGATE BASE (CA-6)

CONCRETE PAVEMENT (HEAVY DUTY)

8" P.C. CONCRETE PAVEMENT
6" SUBBASE GRANULAR MATERIAL (TYPE B)

DRIVEWAY PAVERS

SEE ARCHITECTURAL PLANS

* EXACT LIMITS OF CDOT SURFACE RESTORATION ARE SUBJECT TO CDOT DIVISION OF INFRASTRUCTURE MANAGEMENT CONSTRUCTION COMPLIANCE INSPECTION. CONTRACTOR SHALL CONFIRM REQUIREMENTS AND NOTIFY CONSTRUCTION MANAGER AND OWNER BEFORE PROCEEDING WITH WORK.

Solomon Cordwell Buenz
Chicago
T 312.896.1100
San Francisco
T 415.216.2450
www.scb.com

NO.	DATE	DESCRIPTION
1	03.14.2016	ISSUED FOR DESIGN DEVELOPMENT
2	03.29.2016	ISSUED FOR ASI - 01
3	04.17.2016	ISSUED FOR BUILDING PERMIT
4	04.17.2016	ISSUED FOR OUC PERMIT
5	07.16.2016	ISSUED FOR IN PROGRESS GMP
6	10.04.2016	ISSUED FOR GMP
E	02.22.2019	BUILDING PERMIT REVISIONS
7	04.02.2019	CONSTRUCTION DOCUMENTS

TRIBUNE TOWER
REDEVELOPMENT

435 N Michigan Ave, / 155 E. Illinois St.
Chicago, IL 60611

© 2015 Solomon Cordwell Buenz

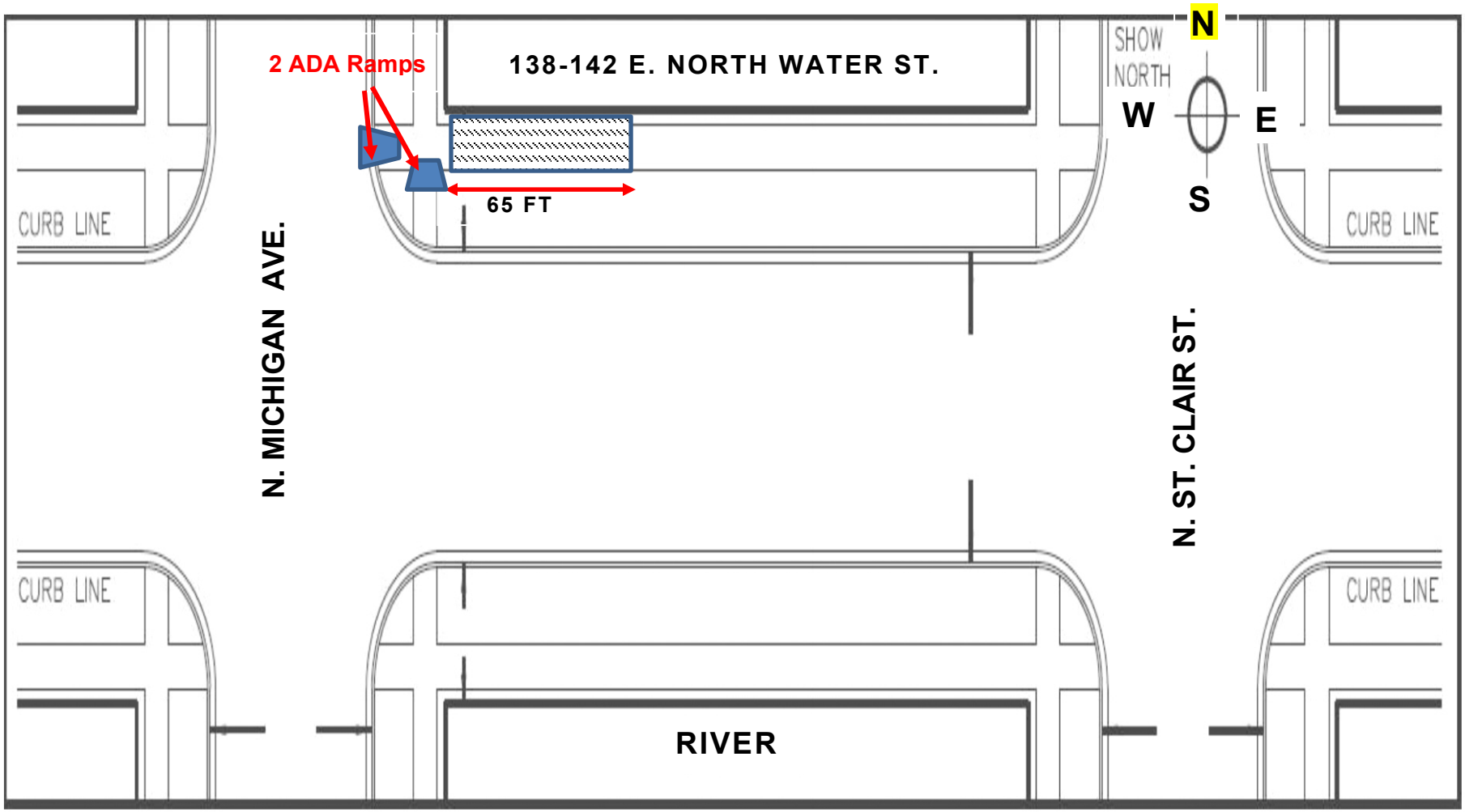
LARA SHAFER — 062-050846 — REGISTERED LANDSCAPE ARCHITECT — ILLINOIS

LAYOUT PLAN - LOWER LEVEL

Drawn By: BJD
Checked By: LJS 11-13-17
Project Number: 17029

Sheet Number: **C3.1**

Work Zone Sketch (Include Street Names, Roadway Layout, Roadway/Sidewalk Widths, and Work Zone Layout)



Attachment B

Photo Logs

Photo 1: 12/24/2020 - View of Jackhammer and Broken Pavement

Photo 2: 12/24/2020 – Core Holes in Pavement using Jackhammer attachment

Photo 3: 12/28/2020 – Asphalt Removed from Southern Half of Work Area

Photo 4: 12/28/2020 – 2nd (underlying) Asphalt still present on Northern Half

Photo 5: 12/29/2020 – RStrom hammered holes on Asphalt

Photo 6: 12/29/2020 – Fill soil after Asphalt Removed

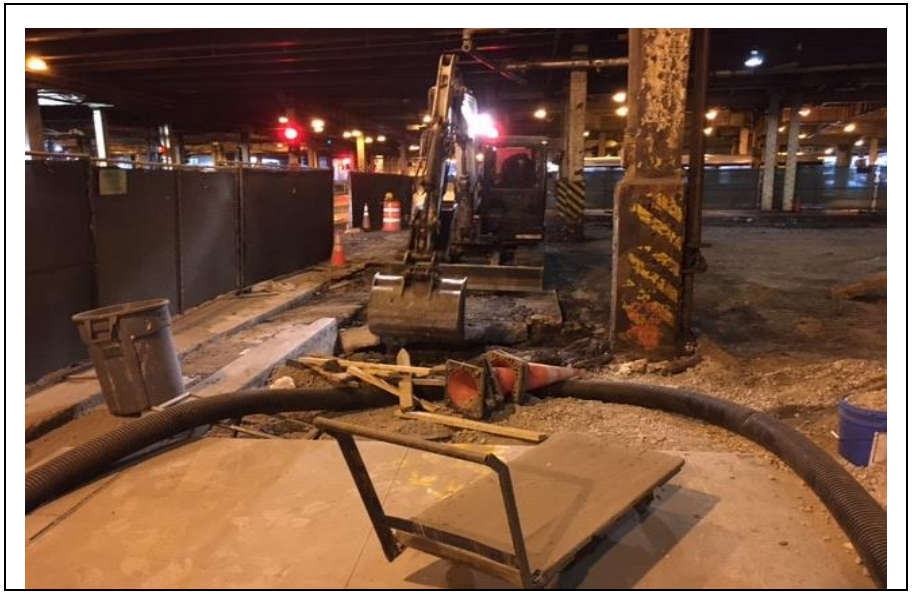


Photo 7: 12/30/2020 – Removed concrete from West & South Sides of Work Area

Photo 8: 12/31/2020 – Fill soil after Pavement removed