



# HYDRODYNAMICS CONSULTANTS, INC.

Environmental Engineering, Consulting, and Contracting

August 20, 2022

Binyoti Amungwafor, WDNR Project Manager  
Wisconsin Department of Natural Resources  
2300 Martin Luther King Drive, Milwaukee, WI 53212

And

Jennifer Dorman, Environmental Prog. Associate  
Wisconsin Department of Natural Resources  
2300 Martin Luther King Drive, Milwaukee, WI 53212

REF: Budget Request for Installation of Vapor Mitigation System  
WDNR BRRTS #02-41-552537  
Westwood Dry Cleaners  
8731 W. North Ave. Wauwatosa, WI 53226

Dear Ms. Dorman:

Hydrodynamics Consultants, Inc. (HDC) is pleased to submit this Budget Request for your review and approval.

Based on current site investigation results, Hydrodynamics Consultants, Inc. believes that for the WDNR to consider this case for closure, a vapor mitigation system (VMS) needs to be installed at the subject property, to be effective under the entire building/strip mall, due to the following:

- Soil contamination in the source area (PCE up to 320,000 ppb and TCE up to 3,970 ppb)
- Groundwater contamination beneath the source area (4,000 ppb PCE and 180 ppb TCE)

HDC has selected a NRPP certified mitigation contractor experienced in chemical vapor intrusion to perform the VMS installation. Attached you will find the contractor proposal along with a system location map. If required, we will ask the contractor to provide a detailed scope of work for your review.

As per the proposal, the following is a description of work to be performed:

“This proposal includes all supplies, material, labor and overhead for the installation of the soil gas mitigation systems as required to properly mitigate large/commercial buildings. This bid reflects the cost to depressurize the sub-slab of the entire building. Due to the “Slab-on-grade” construction type, 3 fully exterior system, and one small interior system will be required. This may require minor, removal of concrete or blacktop and minor hand dug excavation of the soil directly adjacent to the building, just enough for our coring equipment to be mounted securely. Once excavated, if needed, a hole will be cored through the frost wall beneath the interior slab. A collection chamber will be hand dug to the proper volume, about 10 gallons/1.25 cubic feet. The vent pipes will be installed using this access point, properly sealed, and brought up above grade to an appropriate

5403 Patton Dr., Suite 215, Lisle, Illinois 60532



## HYDRODYNAMICS CONSULTANTS, INC.

---

Environmental Engineering, Consulting, and Contracting

elevation for the mitigation fan to be installed. The exhaust vent pipe will then continue vertically to about 12 inches above the roof line.”

The estimated cost (including estimated electrical costs) is \$29,535

We appreciate your time and await your response.

If you need any further information, please contact us at 630-724-0098, or email to Mike\_Wan@HydrodynamicsConsultants.com

Best Regards,  
Justyna Barber, Administrative Assistant  
Maple Testing Services, Inc.  
D/B/A Hydrodynamics Consultants, Inc.

Attachments:

- Project Proposal for Soil Gas Mitigation
- System Location Map

## Project Proposal for Soil Gas Mitigation for the Properties on the NW Corner of 88th and North Ave in Wauwatosa WI

Proposal To: Justyna Barber  
Hydrodynamics Consultants Inc.  
5403 Patton Dr Suite 215 Lisle IL  
630-724-0098

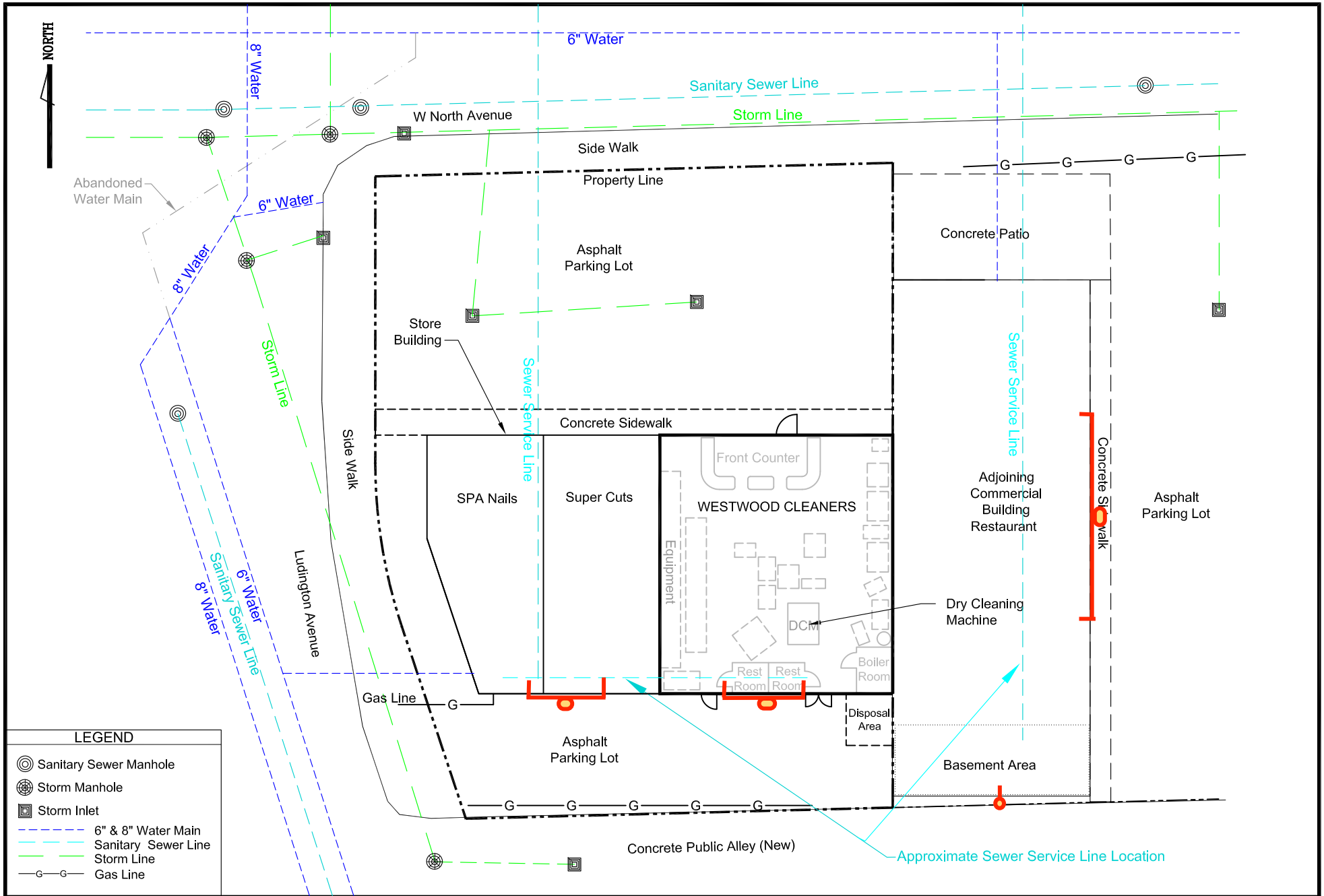
Proposal From: Chad Rogness, President of Commercial Operations  
Lifetime Radon Solutions Inc.  
262-955-5701  
July 15, 2022

**Description of work:** This proposal includes all supplies, material, labor and overhead for the installation of the soil gas mitigation systems as required to properly mitigate large/commercial buildings. This bid reflects the cost to depressurize the sub-slab of the entire building. Due to the "Slab-on-grade" construction type, 3 fully exterior system, and one small interior system will be required. This may require minor, removal of concrete or blacktop and minor hand dug excavation of the soil directly adjacent to the building, just enough for our coring equipment to be mounted securely. Once excavated, if needed, a hole will be cored through the frost wall beneath the interior slab. A collection chamber will be hand dug to the proper volume, about 10 gallons/1.25 cubic feet. The vent pipes will be installed using this access point, properly sealed, and brought up above grade to an appropriate elevation for the mitigation fan to be installed. The exhaust vent pipe will then continue vertically to about 12inches above the roof line.

**Estimated Cost**  
(including estimated electrical Costs)  
**\$29,535**

WHY RISK IT?

LIFETIMERADON.COM | 262.955.5701  
824 WELLS STREET, DELAFIELD WI 53018



SITE NAME	Westwood Dry Cleaners (#02-41-552537)	FIGURE NO.	1a	<p style="text-align: center;">SCALE</p> <p style="text-align: center;">0                      25'                      50'</p>	<p style="text-align: center;"><b>HYDRODYNAMICS CONSULTANTS, INC.</b></p> <p style="text-align: center;">5403 Patton Dr. Unit 215, Lisle, IL 60532 Tel: (630) 724-0098, HydrodynamicsConsultants.com</p>
FIGURE NAME	Site Utility Line Location Map				
ADDRESS	8731 West North Avenue, Wauwatosa, WI 53226				