



# Village of Northbrook

655 Huehl Road Northbrook, Illinois 60062 847.272.4711 Fax 847.272.3629 www.northbrook.il.us

## PUBLIC WORKS DEPARTMENT

March 22, 2018

### CONSTRUCTION NOTICE

**RE: Water Main Improvements on Bordeaux Drive, Dauphine Avenue and Normandy Lane in the Charlemagne Subdivision**

Dear Resident:

You are receiving this notice because you reside within, or close to, the construction limits for an upcoming water main improvement project. The Village is in the process of awarding this project to a contractor. The replacement of the water main will occur on ***Bordeaux Drive (between Brittany Road and 3901 Bordeaux Dr.), Dauphine Avenue (between Brittany Road and 609 Dauphine Ave.) and Normandy Lane***. The existing water main is being replaced due to its deteriorated condition. It is anticipated that construction will begin on May 1<sup>st</sup> (weather permitting) and the work will be completed by the end of August 2018.

In an effort to address the deterioration of the water main and concrete pavement, the work will be done in two stages. In the first stage, sections of the roadway will be removed and new water main, fire hydrants and water service lines will be installed. Some hydrants may be placed in locations where a hydrant was previously not located. Additional hydrants are being installed to be in compliance with newer fire hydrant spacing requirements. The sections of roadway which are disturbed will temporarily be restored with gravel or asphalt pavement to create an interim driving surface. The second stage begins after the new water main has been installed. The portions of the roadway disturbed by construction will be patched with new concrete and all disturbed parkway lawn areas, sidewalk squares and driveway aprons will be restored in kind.

In addition to installing a new water main, any home currently connected to the existing water main that is being replaced, will receive a new shut off valve (buffalo box) and a new copper water service line from the new water main to that valve located in Village right-of-way. The water service line from the valve to the home is not being replaced.

If your address is listed below, the Village anticipates having to replace your shut off valve and the water service line in the public right-of-way:

**Bordeaux Drive: 601, 607, 615, 620, 623, 626, 631, 634, 637, 645, 3901, 3915, 3930, 3936**

**Dauphine Avenue: 606, 609, 614, 622, 628, 634, 640, 643, 648**

**Normandy Lane: 3814, 3817, 3818, 3825, 3826, 3834, 3837, 3842, 3845, 3850, 3851**

It is important that the above listed residents should review the enclosed informational notice regarding your drinking water.

(over)

**PRESIDENT**

Sandra E. Frum

**BOARD OF TRUSTEES**

James A. Karagianis  
Robert P. Israel

A.C. Buehler III  
Muriel J. Collison

Kathryn L. Ciesla  
Jason C. Han

**VILLAGE CLERK**

Debra J. Ford

**VILLAGE MANAGER**

Richard A. Nahrstadt

If your address is not listed above, the Village believes your water service line is not connected to the water main being replaced. At this time we do not anticipate having to replace your water service line or buffalo box.

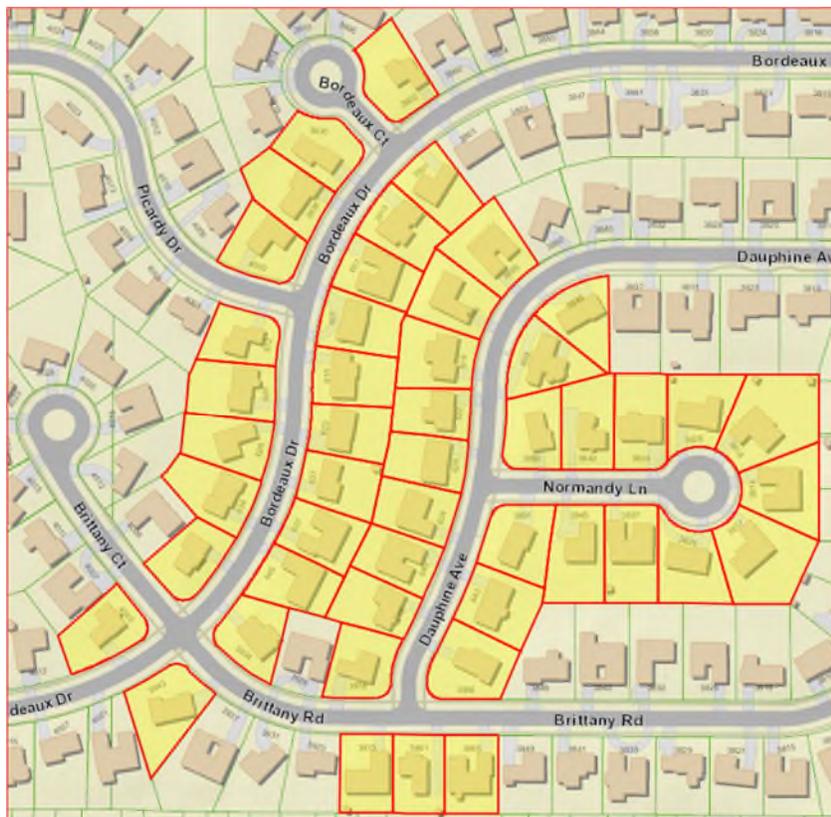
You will experience water outages during the construction of the new water mains. These outages may last several hours but will not happen before 7 a.m. Written notices will be delivered to your front door in advance of any anticipated outages. **Please regularly check your front door for these notices.**

Due to the condition and age of the existing water main, it is possible that construction activities may cause unanticipated water main breaks in the area. In the event of a water main break, the water main will need to be turned off in order to complete an emergency repair.

If you live inside the outlined area shown on the map below and have any underground sprinkler systems, electric pet containment fences, or other private utilities constructed in the Village right-of-way/parkway, please mark them with flags and/or marking spray paint (available at hardware stores) to assist the contractor in minimizing damage to these utilities. It is advised that you closely monitor your sprinkler system after excavation work has been performed in front of your home as damaged lines can result in additional water usage. Unfortunately, damage to some irrigation lines/pet fences may be unavoidable even if they are marked. Please report damage as soon as possible to the Village so that it can be scheduled for repair.

We are aware of the inconvenience construction brings to a neighborhood, and ask for your patience and cooperation. If you have questions or concerns regarding this project, please do not hesitate to contact the Public Works Department at 847-272-4711 or by email at [martin.sobanski@northbrook.il.us](mailto:martin.sobanski@northbrook.il.us).

Please visit the Village's website at [www.northbrook.il.us/charlemagne](http://www.northbrook.il.us/charlemagne) for updates on this project.





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### IMPORTANT INFORMATION ABOUT YOUR DRINKING WATER (IEPA)

#### **Pre-Construction Notice for homes or businesses with copper service lines, but internal plumbing installed prior to June 9, 1986.**

The Village is planning to replace the water mains in your neighborhood starting on May 1, 2018. It entails installing approximately 2,450 feet of 8-inch water main. The work is expected to be completed by August 31, 2018.

As part of the water main project, the Village will be replacing the Village owned portion of your water service line with a 1 ½” copper line. The Village portion of the water service line is defined as the section of the service line from the water main to the B-box, which is usually located near your property line.

Lead is a metal found in natural deposits which is harmful to human health. The most common means of ingestion of lead is swallowing or inhaling lead paint chips and dust. However it can also be found in drinking water. The United States Environmental Protection Agency (USEPA) has set the action level of lead in drinking water at 15 micrograms per liter (µg/l), but any **detectable level is considered undesirable**. Lake Michigan water is virtually lead free. Lead contamination, if it does occur, results from corrosion of the element originating from service lines and/or household plumbing.

Northbrook began using copper for service lines in the early 1950’s, but **lead remained a common significant component of household plumbing throughout the country until June 19, 1986**. In that year amendments to the Safe Drinking Water Act (SDWA) mandated that only “lead free” pipe, solder or flux could be used in facilities providing water for human consumption. (The term “lead free” as applied to solders and flux was defined as containing no more than to 0.2 percent lead. As applied to pipes and pipe fittings the allowed percentage was 8.0. Later amendments to SDWA essentially reduced the amount of allowed lead in pipes, fittings and fixtures to 0.25 %.). As time passes, mineral deposits tend to form a coating on the inside of the pipes, which insulates the water from the lead. To enhance this process the Village treats our water with poly-orthophosphate, which reacts with lead and copper and calcium and magnesium to form an insoluble coating on pipe walls. This coating greatly limits dissolution of lead and copper into water.

Unfortunately, disturbance of pipes and fixtures containing lead – such as this water main project – can interfere with this protection. Thus, **water main or service line work may adversely affect individual plumbing systems with fixtures and pipes installed prior to June 19, 1986, potentially raising the level of lead in your water for some period of time.**

(over)

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Based on the dates of water main installation and house construction your existing line has been determined to be copper, but your own internal plumbing piping and fixtures may be susceptible to enhanced lead leaching during periods of disturbance. It is also possible that during construction we find that your service line is at least partially constructed of lead, in which case you will be immediately notified and supplied with recommended options.

**This is an informational notice.** It is not known for certain whether this particular construction project will increase lead levels in your drinking water, but there are preventative measures you can take to minimize the potential for lead exposure during and immediately after this project.

Flush water for one or two minutes from any fixture before consuming or using it for cooking, and only use cold water for cooking, drinking and especially for making baby formula. Hot water is likely to contain higher levels of lead. The more time water has been sitting in your home's pipes, the more lead it may contain. Once you have done this it may be convenient to fill a container with water and store it in the refrigerator for drinking, cooking, and preparing baby formula throughout the day. Clean and remove any debris from faucet aerators on a regular basis. Do not boil water to remove lead. Boiling water will not reduce lead.

Pregnant women, breast-feeding women, young children, and formula-fed infants should not consume water that is known or suspected to have lead levels above 15 µg/l.

You may want to consider purchasing bottled water or installing water treatment devices of some sort. If you do, make sure the device is certified for effective lead reduction. Devices that are not designed to remove lead will not work. It is suggested that you verify the claims of manufacturers by contacting the Water Quality Association (<http://www.wqa.org/goldseal/goldsealSearch.cfm>) or NSF International (<http://nsf.org/services/by-industry/water-wastewater/residential-water-treatment/point-of-use-and-point-of-entry-systems>).

You may want to consider replacing older fixtures or plumbing with lead-free faucets and plumbing components. We recommend you consult a professional for advice before making any sizable changes of this type. Keep in mind that any water system work may have the same temporary effects on lead levels as the construction work being undertaken by the Village.

You may wish to have your water tested for lead. Because this potential problem strictly involves your privately owned plumbing facilities the Village is not providing this service for you. We believe that it would be most meaningful to test for lead in your water as soon as possible after you have been connected to the new water main. If you desire testing at your expense, the Village will supply you with contact information for several certified laboratories in the area.