



Department of  
Environmental  
Conservation

## DRILLING NOTICE

### 3539 Courtney Lane and 657 Ivy Drive, Bethpage, NY

### March 7, 2019

Please be advised that the U.S. Navy, in conjunction with the New York State Department of Environmental Conservation, will be conducting drilling activities in your area. This work is being conducted to test groundwater quality at depths of 50 to 1,000 feet below ground surface. Volatile organic compounds (VOCs), including the solvents trichloroethylene (TCE) and perchloroethylene (PCE), have been detected in groundwater in the general area as a result of historic operations at the Grumman plant to the north. The drilling is part of an on-going investigation to better understand where the groundwater contamination is located, and how it is moving and to develop cleanup options. *Additional information on the Navy's environmental cleanup program and the groundwater investigation is available at <http://go.usa.gov/DyXF>.*

The work will involve installation and collection of groundwater samples from a vertical profile boring (VPB) to a depth of 1,000 feet. Up to three groundwater wells to depths between approximately 350 to 800 feet may be installed at a later date. The VPB will be approximately 8 to 10 inches in diameter. Access to the borings during the drilling operation will be secured with the drilling equipment. Any soil and groundwater removed from the borings will be containerized and transported to Navy property off of South Oyster Bay Road. Groundwater samples will be collected and submitted to a certified laboratory to test for the presence of VOCs.

*Because of the depth of the drilling work, the drill rig and support vehicles will be present at this specific location for approximately 8 to 10 weeks to complete the boring. Once the work is completed, the area will be returned to its current condition (soil and grass seed).*

Work hours will be Monday through Friday, from 8:00 AM to 4:30 PM (no machinery will operate before 8:00 AM). However, periodically during drilling operations, extended work hours and weekend activities may be required. If it is necessary to visit the drill site during other hours or on the weekends, the operation of the drill rig will not occur before 8:00 AM. Drilling will start on or about the first week of March, 2019.

Onsite contractors for the Navy will be Delta Drilling, who will be conducting the drilling operations, and Resolution Consultants, who will provide oversight. Inquiries may be directed to Mr. Mike Zobel, the Navy's Onsite Field Manager, or other contacts as listed below.

#### **If you require additional information, please contact:**

Mike Zobel  
Resolution Consultants  
Onsite Field Manager  
(631) 561-1340

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Resolution Consultants  
Project Manager  
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March 7, 2019

**RE: Drilling Notification, VPB176  
Courtney Lane and Ivy Drive, Bethpage**

**Dear Resident:**

This notification letter is being distributed to you on behalf of the U.S. Navy to inform you of environmental investigation work being conducted in your neighborhood. Please be advised that the U.S. Navy, in conjunction with the New York State Department of Environmental Conservation, will be conducting drilling activities in the town right-of-way north of your property starting in March 2019. Because of the depth of the drilling work, the drill rig and support vehicles will be present at this specific location for approximately 6 to 10 weeks to install one vertical profile boring. If permanent wells are needed, they will be installed at a later date. We apologize in advance for the inconvenience that this work will cause. However, we assure you that the work is critical and that the Navy and its contractors are taking all reasonable steps to minimize disruption to your neighborhood.

Drilling is being conducted in your neighborhood to install the vertical profile boring to sample the groundwater. Industrial activities conducted from the 1950s to 1990s at the former Grumman plant to the north resulted in groundwater contamination. Solvents known as trichloroethylene (TCE) and perchloroethylene (PCE or Perc) were used at the former Grumman plant, and some of these solvents made their way into the groundwater and have since moved off property to the south with the groundwater flow. Over the past 25 years, actions have been taken in several areas to clean up the groundwater and to protect water supplies. Although significant progress has been made, this process is not complete. The off-property solvent-impacted groundwater is complex and the Navy is continuing to investigate to better understand how the contamination is moving and develop additional cleanup options.

Your neighborhood is a strategic location for groundwater sampling. The Navy considered multiple factors in selecting a sampling point in your neighborhood including: presence of overhead power lines and fire hydrants, space between driveways to allow drilling activities, traffic, presence of trees, location of underground utilities, availability of side yards, and location of school bus stops. After reviewing these factors, the curb in front of your house was selected as the best location for a new sampling point.

As stated above, the Navy and its contractors are taking all reasonable steps to minimize disruption to you and your neighbors during drilling activities. Information on the drilling activities, schedule, and work hours are presented in the attached Drilling Notice. If you have questions, please contact me or one of the other points of contact also provided in the Drilling Notice. Additional information on the Navy's environmental cleanup program and the groundwater investigation is available at <http://go.usa.gov/DyXF>.

Sincerely,

Brian Caldwell,

cc: Jason Pelton, Project Engineer - NYSDEC  
Steve Karpinski, Public Health Specialist II - NYSDOH  
Colleen Romano-DELTA  
John Reinhardt -Town of Hempstead





**DELTA WELL & PUMP Co., Inc.**

WATER AND ENVIRONMENTAL DRILLING

**TRAFFIC CONTROL PLAN**

**SITE NAME: VPB 176**

**LOCATION: NORTH SIDE OF IVY DRIVE**

**EAST OF INTERSECTION WITH COURTNEY LANE**

**BETHPAGE, NY**

The work area will be 16 feet wide and 100 feet long. It will be surrounded by a 6-foot high lockable chain link fence. The work area will block a 100 foot section of sidewalk. There will be Sidewalk Closed signs placed 50 feet in front of the east end of our work area and 10 feet past the west end of our work area on Ivy Drive. Road Work Ahead signs will be placed on the east side of Courtney Lane approximately 80 feet south from the west end of our work area, on the west side of Courtney Lane approximately 50 feet north of the corner at Ivy Drive, and on the north side of Ivy Drive approximately just east of the corner with Ivy Court West. End Road Work signs will be placed on the south side of Ivy Drive approximately 100 feet east of the east end of our work area, on the west side of Courtney Lane approximately 80 feet south of the west end of our work area, and on the west side of Courtney Lane approximately 75 feet north of the corner at Ivy Drive.

Footages are approximate and the proposed setup (not to scale) is shown on the attached site plan.





Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Legend	
	Vertical Profile Boring - Proposed



**VPB176 LOCATION MAP**  
**NAVAL WEAPONS INDUSTRIAL RESERVE PLANT**  
**BETHPAGE, NEW YORK**

CONTRACT NUMBER N62470-11-D8013	CTO NUMBER WE15
APPROVED BY EV	DATE 8/2/2018
APPROVED BY —	DATE —
FIGURE NO. <b>7</b>	REV 0