

# Former Lockheed Martin Unisys Site Sentinel Well Installation Project Update



Summer/Fall 2021

1111 Marcus Avenue, Lake Success

Clean drinking water for homes and businesses on Long Island is essential, and Lockheed Martin collaborates with state and local agencies to ensure it's protected. In collaboration with the New York State Department of Environmental Conservation (NYSDEC), Lockheed Martin will install two groundwater wells next to Grace Avenue in the late summer and early fall of 2021 to monitor groundwater quality.

In 1978, Unisys identified a plume of groundwater contaminated with volatile organic compounds (VOCs), primarily trichloroethene (TCE), in the Town of North Hempstead. Lockheed Martin purchased Unisys in 1996 and took responsibility for the environmental cleanup at the site. All cleanup activities are performed under the oversight of the NYSDEC and the New York State Department of Health (NYSDOH).

Lockheed Martin operates two groundwater treatment systems, located both on and off the former Unisys site property which capture and treat the highest concentrations of contaminants. As low levels of contaminants continue to slowly move in a plume toward the Long Island Sound 100- to 400-feet below the surface, cleanup activities are planned accordingly.

Over the last several years, the plume has neared and impacted water supply wells. Lockheed Martin has an agreement with the Water Authority of Great Neck North (WAGNN) and the Manhasset-Lakeville Water District (MLWD) to provide treatment to impacted wells. WAGNN and MLWD regularly test and confirm their water supply quality and provide customers with annual quality reports.

Lockheed Martin samples an extensive network of monitoring wells every quarter to gather data on the plume's direction and identify whether additional drinking water supply wells may become impacted. A sophisticated computer model helps predict the plume's movement, including speed and direction. Working with the NYSDEC, sentinel wells have been installed at strategic locations. Sentinel wells are found near the boundary of the plume and provide critical information to aid in decision-making. As contaminants reach the sentinel well locations, Lockheed Martin works with the affected water districts to implement treatment, as necessary, so that the public water supply continues to meet all regulatory standards for safety and quality.

Lockheed Martin is currently working with WAGNN to protect water well number N12735 located on Ravine Road. To better protect the public water supply well, Lockheed Martin contractors will install a new pair of sentinel wells next to Grace Avenue, between Weigt Court and E Shore Road. The location was selected as the best technical solution based on the groundwater model.

The wells will be installed at the direction of the NYSDEC and under a NYSDEC-approved work plan. Field work is expected to last up to ten weeks between 8 a.m. and 4 p.m. on weekdays only. The nearest homes will be contacted directly as a courtesy. The work is not expected to impact traffic flow and noise barricades will be used throughout the installation project.

***A site-wide fact sheet and a groundwater fact sheet, along with more information about Lockheed Martin's local environmental cleanup work is available at [www.lockheedmartin.com/greatneck](http://www.lockheedmartin.com/greatneck).***

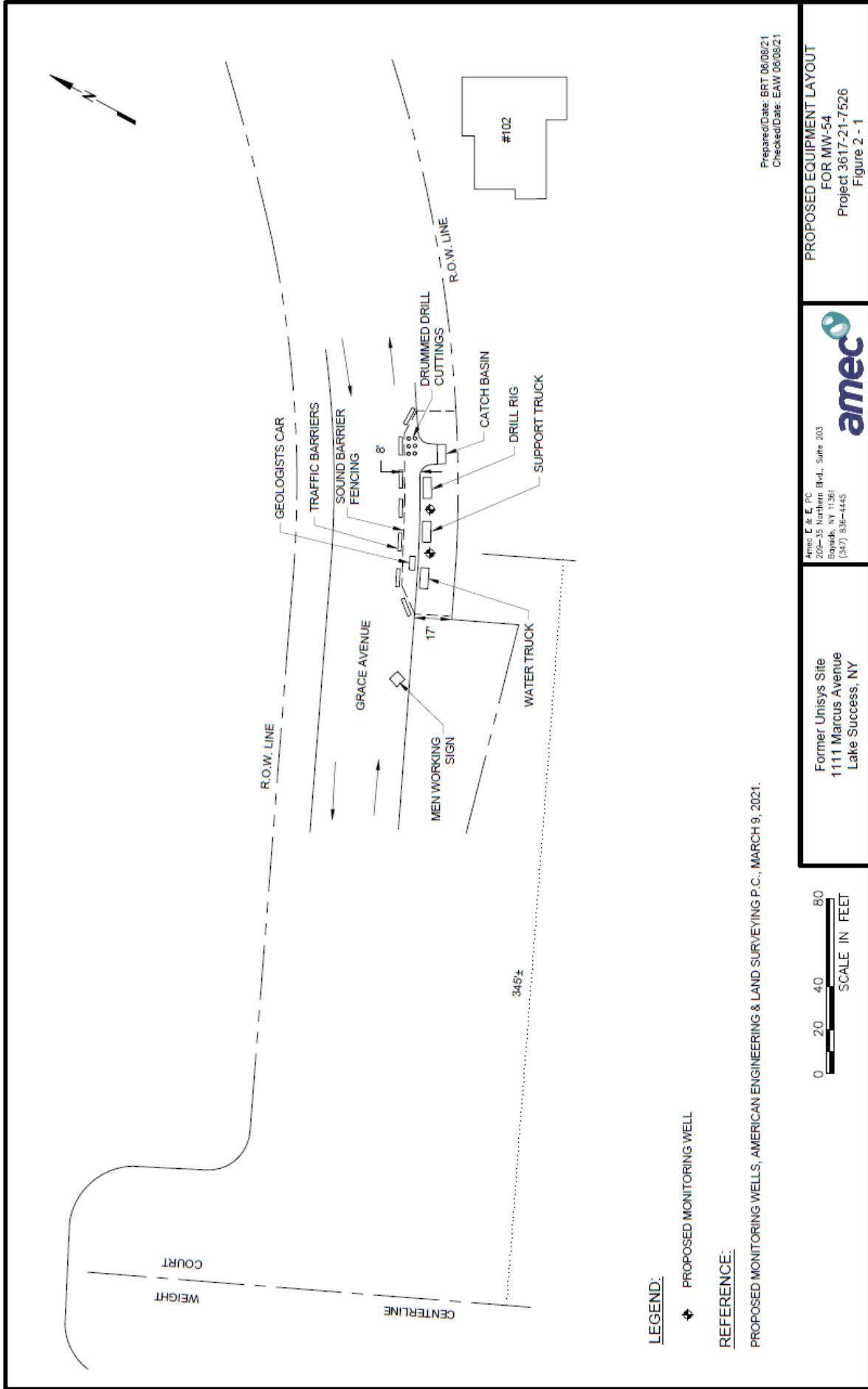
For questions or concerns, please contact Lockheed Martin Communications at 800-449-4486.



*Once installed, the monitoring wells will sit level with the ground.*



*A similar well was installed in 2019 in the Village of Russell Gardens.*



**LEGEND:**

- ◆ PROPOSED MONITORING WELL

**REFERENCE:**

PROPOSED MONITORING WELLS, AMERICAN ENGINEERING & LAND SURVEYING P.C., MARCH 9, 2021.



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Former Unisys Site  
 1111 Marcus Avenue  
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PROPOSED EQUIPMENT LAYOUT  
 FOR MW-54  
 Project 3617-21-7526  
 Figure 2 - 1

Prepared/Date: BRT 06/08/21  
 Checked/Date: EAW 06/08/21

*Equipment layout along Grace Avenue.*





Ravine Road Well and Proposed Well MW-54

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

*The proposed well location is north of the site and is located to be protective of the Ravine Road drinking water well N-12735.*