

## Fact Sheet: Upcoming Soil Excavation at 1111 Marcus Avenue, Great Neck, NY

Summer/Fall 2020

Lockheed Martin will be excavating soil at the 1111 Marcus Avenue property to remove non-hazardous contaminated soil remaining from industrial operations. Based on extensive sampling performed previously by Lockheed Martin, the soils were determined to contain contaminants at levels below the classification of hazardous waste but above the New York State Department of Environmental Conservation's (NYSDEC) Soil Cleanup Objectives for a commercial facility. NYSDEC developed the Soil Cleanup Objectives to help protect public health, groundwater, and ecological resources.

Six earlier excavations were completed between 2017 and 2019. The seventh, and final, excavation is the largest excavation with field work scheduled to begin in September 2020. The seventh excavation area is approximately 160 feet by 160 feet with depths ranging from 2.5 to 11.5 feet deep. The amount of material to be removed is estimated to be 2,600 cubic yards. Vehicular traffic and pedestrian access will be maintained during all the excavation work. Lockheed Martin will provide notice of upcoming activity, including specific plans regarding traffic control to the owners of the Marcus Avenue property for communication to their tenants and customers.

The excavation area will be surrounded by temporary fencing to keep the public safely away from open work areas. After the contaminated soil has been removed from the excavation, the hole will remain open and protected by construction fencing and signage while soil samples taken at the bottom of the hole are tested to confirm that all the non-hazardous material has been removed. Once confirmed, the hole will be backfilled with clean soil from a facility approved by NYSDEC. After backfilling, the surface will be restored to its previous condition, e.g., asphalt, concrete, or landscaping. The field work is anticipated to take 6 to 8 weeks due to the large amount of soil to be removed.

The excavation work site is located immediately adjacent to the LA Fitness building. The excavation limits include the driveway on the south side of the building and a portion of the parking lot and adjacent grassy area. Several parking spaces will be temporarily unavailable during this excavation work. Traffic will be rerouted as necessary during construction.

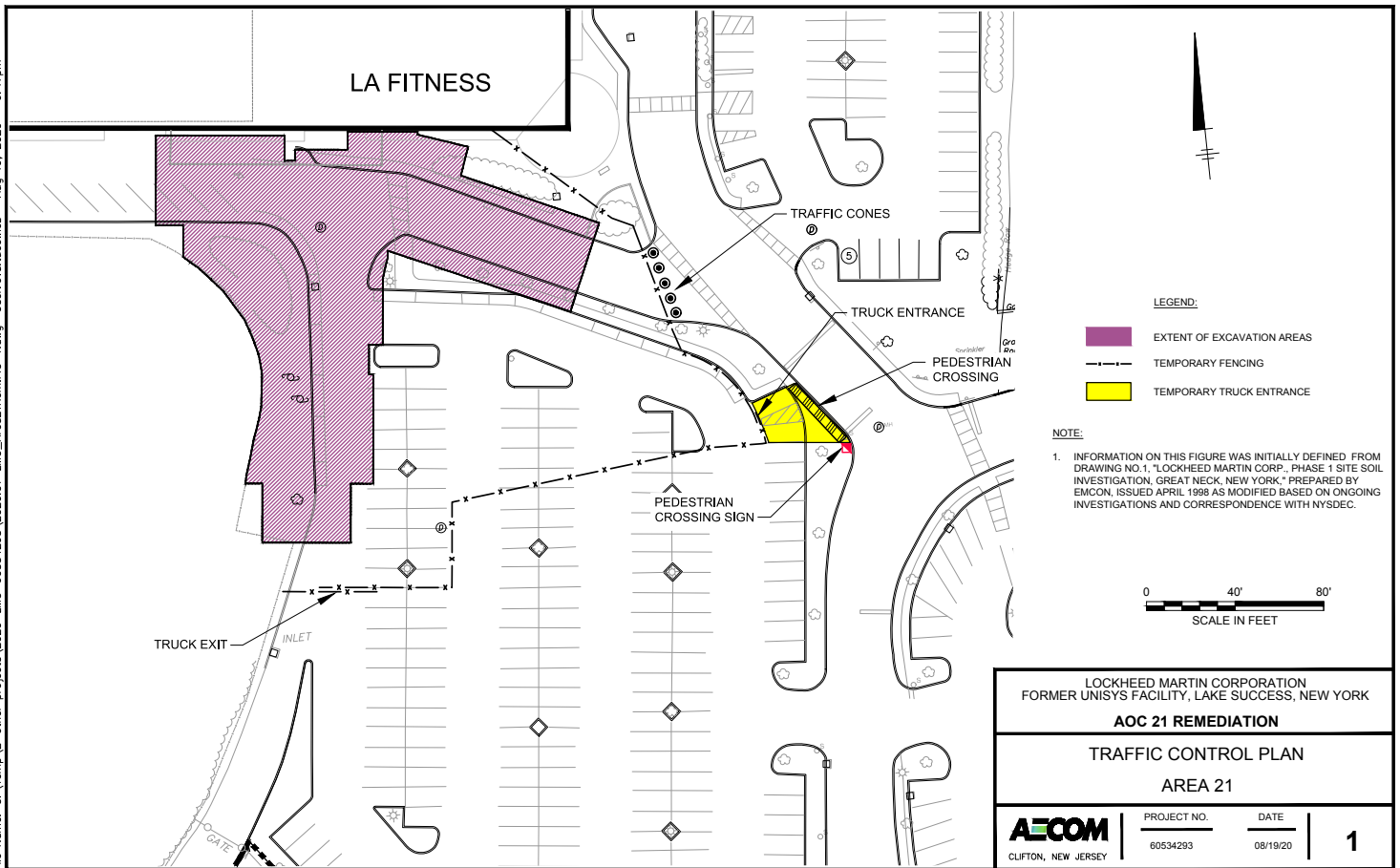
During the excavation work, Lockheed Martin will be implementing a Community Air Monitoring Program approved by NYSDEC. The work area perimeter will be monitored to ensure the safety of the downwind community.

Lockheed Martin anticipates removing a total of about 2,600 cubic yards of contaminated soil, or approximately 200 truck loads. The same number of trucks of clean backfill will be coming in. Truck loads will be covered and the truck tires will be cleaned before leaving the work area. The majority of the excavated soil will be disposed of at an out-of-state landfill approved to accept non-hazardous soil. The contaminants in the soil have been identified as copper, in trace amounts, and polycyclic aromatic hydrocarbons (PAHs). PAHs are created when products such as coal, oil, gas, and garbage are burned, but the burning is incomplete. They can be found naturally in the environment. PAHs persist in the environment and do not readily break down and are common in urban areas. Asphalt paving is a common source of PAHs<sup>1</sup>.

More information about Lockheed Martin's work locally is available at [www.lockheedmartin.com/greatneck](http://www.lockheedmartin.com/greatneck), including a project Fact Sheet.

<sup>1</sup><https://pubs.usgs.gov/fs/2005/3147>

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The graphic depicts the excavation area, located south of LA Fitness as well as traffic and pedestrian control areas at the 1111 Marcus Avenue site.

## Background

The 90-acre site at 1111 Marcus Avenue has been home to prominent businesses and activities since the early 1940s, housing defense-related manufacturing, commercial businesses and even the first headquarters of the United Nations. The U.S. government built the Great Neck facility in 1941, and for 10 years Sperry Gyroscope operated there under government contract. The U.S. government sold the property to Sperry Corporation in 1951. Sperry merged with Burroughs Corporation in 1986, forming Unisys; Loral Corporation acquired the site when it purchased Unisys Defense Systems in 1995. Lockheed Martin took ownership of the property in 1996 when it acquired Loral Corporation's electronics and systems integration business, and in turn assumed responsibility for the ongoing environmental cleanup of the site.

The property historically included a main building and six smaller buildings located to the south of the

main building. The smaller buildings included a foundry, environmental testing facility, heating plant, garage, and maintenance shop. Lockheed Martin closed the site in 1998, selling the property in 2000. Environmental cleanup addresses contaminants that affect groundwater, soil, sediments, and soil vapor at the site as a result of historical operations. Lockheed Martin has conducted investigations on the property to evaluate environmental conditions and has implemented cleanup actions to address groundwater and soil. Lockheed Martin filed its final recommendations on cleanup of the soil at the site with the NY Department of Environmental Conservation in 2016, identifying the location and characterizing the places on the site where soil needed to be removed. The low-level (nonhazardous) soils are being removed under the requirements of the Resource Conservation and Recovery Act (RCRA), which is the principal federal law governing the disposal of solid hazardous waste.

## For More Information

[www.lockheedmartin.com/greatneck](http://www.lockheedmartin.com/greatneck) or contact Communications Representative at (800) 449-4486