

Executive Summary

During preconstruction activities for the Marlboro Greenhouse project, Project Number HAM17GHSE, for New York City (NYC) Department of Design and Construction (DDC), the Design Builder's consultant, Langan Engineering, conducted soil sampling as part of a waste characterization investigation supplementing the February 2023 Phase II Environmental Site Investigation (ESI) performed by LiRo Engineers, Inc in an effort to more precisely locate the hazardous soil. The Site is located at 2295 11th Street in the Gravesend neighborhood of Brooklyn, New York (hereinafter referred to as the Site). During the testing of thirty-four (34) soil samples within the project area, one (1) sample came back with elevated hazardous levels of lead exceeding USEPA standards. Sample SB04_E_4_2-4, collected from 2 to 4 feet below grade surface, had a toxicity characteristic leaching procedure (TCLP) lead concentration of 5.02 milligrams per liter (mg/l), which exceeds the Resource Conservation and Recovery Act (RCRA) hazardous waste limit of 5 mg/l. A full waste characterization report was completed on July 25, 2024 detailing the procedures and findings.

The sampling results of the 25 July 2024 Waste Characterization report addendum delineated the hazardous lead- and SVOC-impacted area to an 8-foot by 11-foot area to six feet below grade surrounding the February 2023 Phase II ESI soil boring SB05. This exceedance was detected within the southwestern part of the Site. The impacted area is currently an asphalt-paved parking lot and will remain in place prior to removal and disposal.

Prior to removal and disposal, the contractor will provide a Material Handling Plan (MHP), Community Air Monitoring Plan (CAMP) and Environmental Health and Safety Plan (EHASP) for review and acceptance pursuant to DDC guidelines, as well as all applicable State and Federal regulations.

The full project scope for HAM17GHSE consists of construction of an approximate 8,000 square foot greenhouse and support space that will be utilized to support the community. The new building will be situated along West 11th Street between Avenue W and Avenue X. The exterior portions of the Site will include parking and landscaping/trees. The maximum depth of excavation for the work is four feet. The Site is identified as Block 7140, Lot 16 by the New York City Department of Buildings (NYCDOB). The Site is approximately 1.3 acres of the larger 22.4-acre Marlboro Houses complex in an area characterized by residential and public uses including a playground, ballpark, skating park, and school.



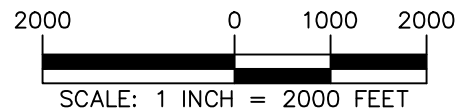
LEGEND

 APPROXIMATE SITE BOUNDARY

NOTES

1. BASE MAP IS REFERENCED FROM THE UNITED STATES GEOLOGICAL SURVEY 7.5 MINUTE SERIES QUADRANGLE MAP OF CONEY ISLAND, NEW YORK AND THE NARROWS, NEW YORK AND NEW JERSEY, DATED 2016.

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, LAND SURVEYOR OR GEOLOGIST, TO ALTER THIS ITEM IN ANY WAY.



LANGAN

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Project
**MARLBORO
AGRICULTURAL
EDUCATION CENTER**
BLOCK No. 7140, LOT No. 16
BROOKLYN
KINGS NEW YORK



Figure Title
**SITE LOCATION
MAP**




Project No.
170702901
Date
6/17/2024
Drawn By
LPG
Checked By
PM

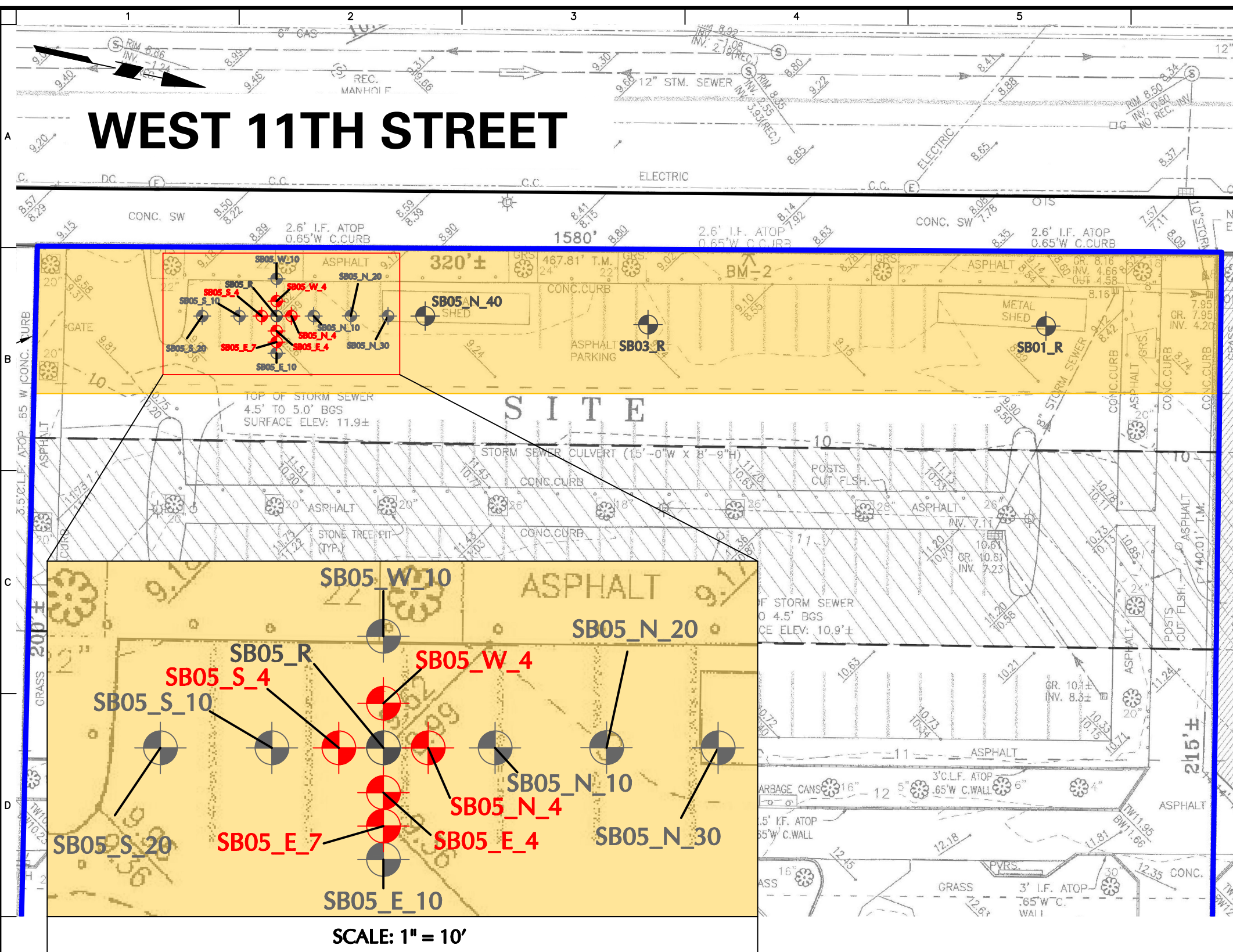
Figure No.
1
Sheet 1 of 2

WEST 11TH STREET

LEGEND

-  APPROXIMATE SITE BOUNDARY
-  PROPOSED EXCAVATION TO ABOUT 4 FEET BGS

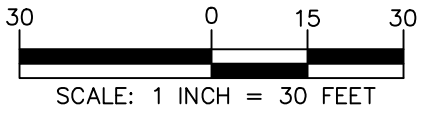
-  **SB05_W_4** APPROXIMATE HAZARDOUS LEAD AND SVOC DELINEATION SOIL BORING LOCATION (JULY 2024, LANGAN)
-  **SB05_E_10** APPROXIMATE HAZARDOUS LEAD DELINEATION SOIL BORING LOCATION (MAY 2024, LANGAN)
-  **SB01_R** APPROXIMATE DRILLING SPOILS SOIL BORING LOCATION (MAY 2024, LANGAN)



NOTES

1. BASE MAP IS REFERENCED FROM 31 AUGUST 2020 "TOPOGRAPHICAL & PROPERTY LINE MAP", PREPARED BY NV5.
2. FOUNDATION PLAN REFERENCED FROM THE 1 FEBRUARY 2023 FOUNDATION PLAN PREPARED BY STUDIO GANG.
3. ALL SAMPLE LOCATIONS, SITE FEATURES, AND BOUNDARIES ARE APPROXIMATE.

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Project
MARLBORO AGRICULTURAL EDUCATION CENTER
 BLOCK No. 7140, LOT No. 16
 BROOKLYN NEW YORK
 KINGS

Figure Title
WASTE CHARACTERIZATION SAMPLE LOCATION MAP

Project No.
 170702901
 Date
 7/25/2024
 Drawn By
 LPG
 Checked By
 PM

Figure No.
2
 Sheet 2 of 2