## **EXECUTIVE SUMMARY**

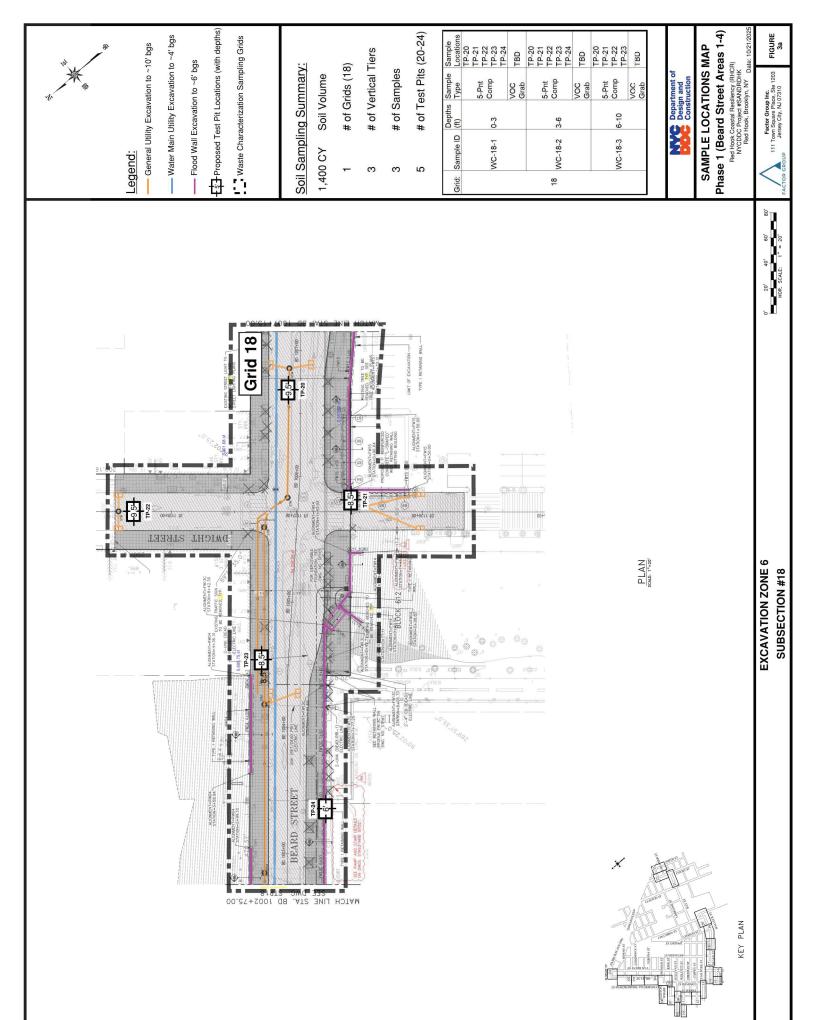
A New York City Department of Design and Construction (DDC) contractor conducted soil sampling for waste characterization purposes at the Red Hook Coastal Resiliency Project (DDC Project #: SANDRDHK) in Brooklyn, New York. The sample areas were divided into grids and identified as follows: Grid #18, Grid #17B, Grid #17A, Grid #16, Grid #15, Grid #14A, and Grid #14B/13. The grids were then split into approximately 500-cubic yard three-dimensional cells, each one represented by a sample set. Twenty-seven investigatory test pits were advanced to collect 16 sample sets: WC-18-1, WC-18-2, WC-18-3, WC-17a-1, WC-17a-2, WC-17b, WC-16-1, WC-16-2, WC-16-3, WC-15-1, WC-15-2, WC-15-3, WC-14a-1, WC14a-2, WC-13/14b-1, WC-13/14b-2 – from the above-referenced grids to characterize approximately 6,700 cubic yards of soil for off-site disposal or reuse. The samples were collected between October 2 and 8, 2025. The soil samples were submitted to Phoenix Environmental Laboratories, Inc. for analysis. The laboratory report was received on October 28, 2025, by DDC.

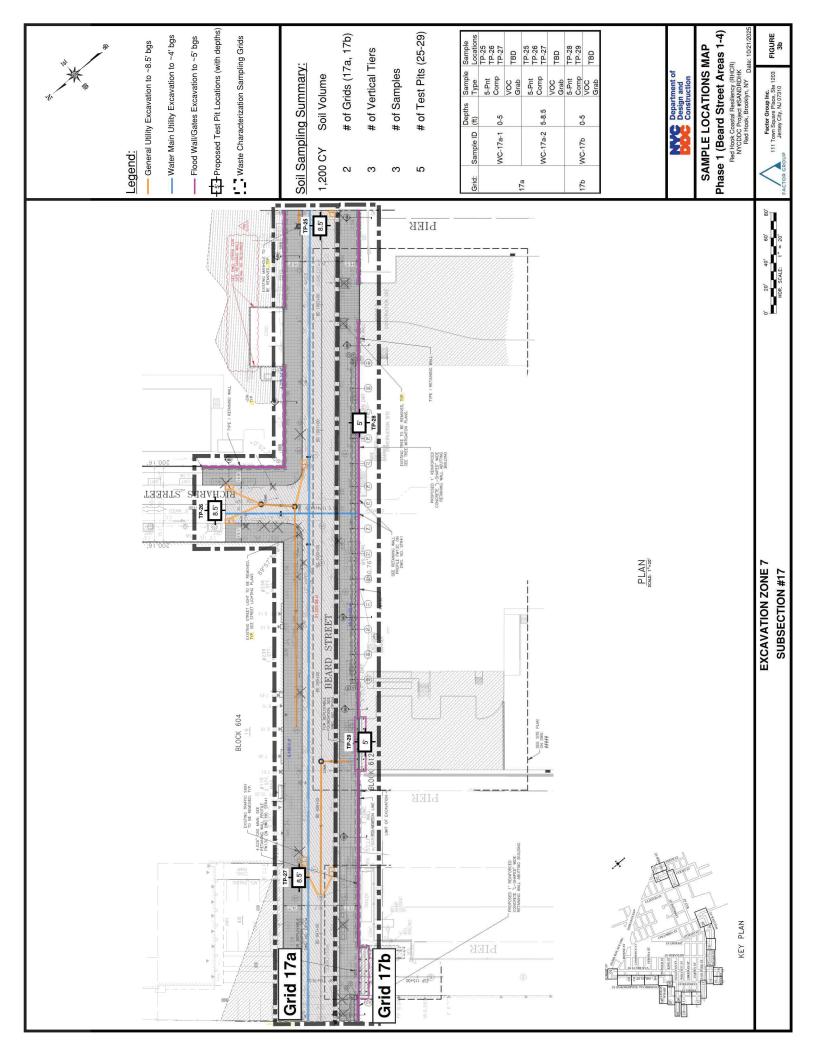
One of the samples, WC-16-1, collected from 0 to 3 feet below grade at Grid 16 (corner of Reed Street and Van Brunt Street) contained hazardous levels of lead exceeding the United States Environmental Protection Agency (USEPA) Maximum Concentration of Contaminants for the Toxicity Characteristic (40 CFR 261.24). Sample WC 16-1 was a composite sample from four test pits excavated along portions of Reed Street and Van Brunt Street (TP-30, TP-31, TP-32, TP-33) within Grid 16. The soil from this sample was a composite of the top three feet (0-3') of soil from these test pits. A concentration of 5.13 milligrams per liter (mg/L) of lead was identified as a result of the Toxicity Characteristic Leachate Procedure (TCLP) analysis, which exceeds the Maximum Concentration threshold of 5.0 mg/L, and confirms soil from this sample location is characteristically hazardous.

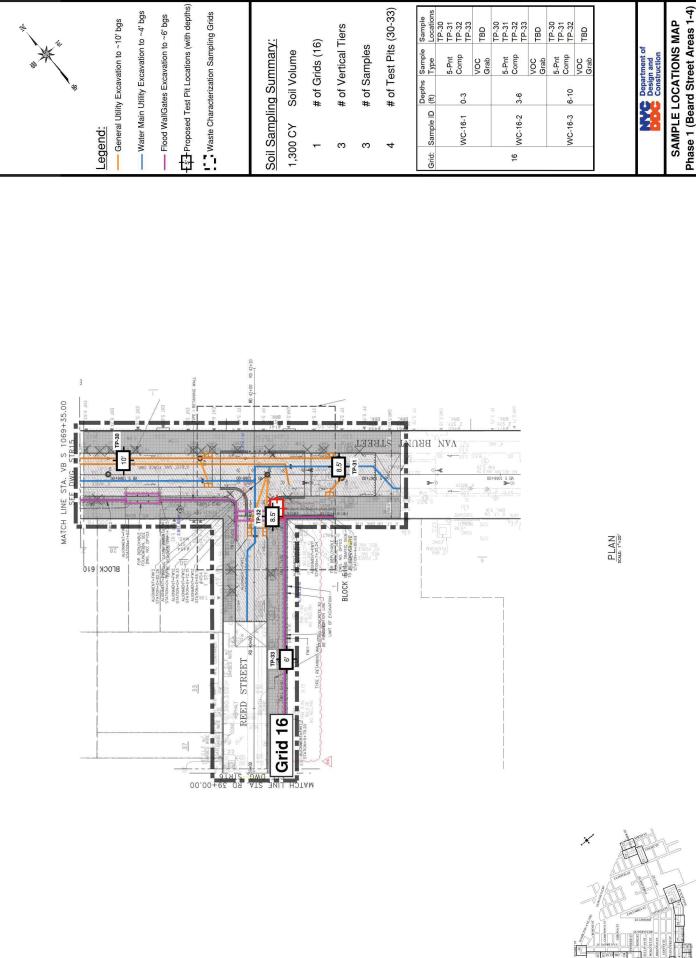
The test pits were backfilled and temporarily covered with asphalt patches following the sampling. The subsurface soil in these areas is no longer exposed to ensure public safety. The test pit locations are shown on the attached Sample Location Map.

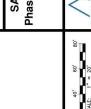
Prior to removal and disposal, the contractor will conduct soil removal work in accordance with the DDC-approved Material Handling Plan (MHP) prepared by Factor Group, Inc. for Perfetto Contracting Company, Inc. along with the project's Environmental Health and Safety Plan (EHASP). A community air monitoring plan (CAMP) will also need to be implemented during soil removal activities.

The SANDRDHK project involves the installation of a flood protection system (FPS) that includes flood walls and street raising for the Red Hook neighborhood in Brooklyn, New York. The project also includes the addition of ADA compliant curbs and sidewalks, the installation of new water main lines and sewers, new street lighting, and planting of new trees along the streets within the project area.







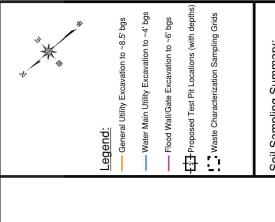


Red Hook Coastal Resiliency (RHCR)
NYCDDC Project #SANDRDHK
Red Hook, Brooklyn, NY Date: 10/21/203

**EXCAVATION ZONE 8** SUBSECTION #16

KEY PLAN

FIGURE 3c



## Soil Sampling Summary:

LINE 51A. RD 59+00.00

8.5'

BFOCK 202

5.5'

**Grid 15** 

BLOCK 610

BFOCK 910

MATCH LINE STA. CR S 932+35.00

# of Grids (15)

Soil Volume

1,000 CY

- # of Vertical Tiers

BLOCK 611

- # of Samples 2
- # of Test Pits (34-37)

		Depths	Depths Sample	Sample
Grid:	Sample ID	(#)	Type	Locations
				TP-34
			5-Pnt	TP-35
	VAIC 45 4	c	Comp	TP-36
	-6-0	?		TP-37
			VOC	Tan
			Grab	20
				TP-34
7			5-Pnt	TP-35
2	7 0141	0	Comp	TP-36
	VVC-13-2	٥- -		TP-37
			VOC	COL
			Grab	001
			5-Pnt	TP-34
	VAIC 15 2	0	Comp	TP-35
	200	0.0	VOC	L O
			,	200

CONONE

STREET





## Phase 1 (Beard Street Areas 1-4) Red Hook Coastal Resiliency (RHCR) NYCDDC Project #SANDRDHK Red Hook, Brooklyn, NY Date: 10/21/202 SAMPLE LOCATIONS MAP

FIGURE 3d



SUBSECTION #15

**EXCAVATION ZONE 9** 

KEY PLAN

