

LEGEND

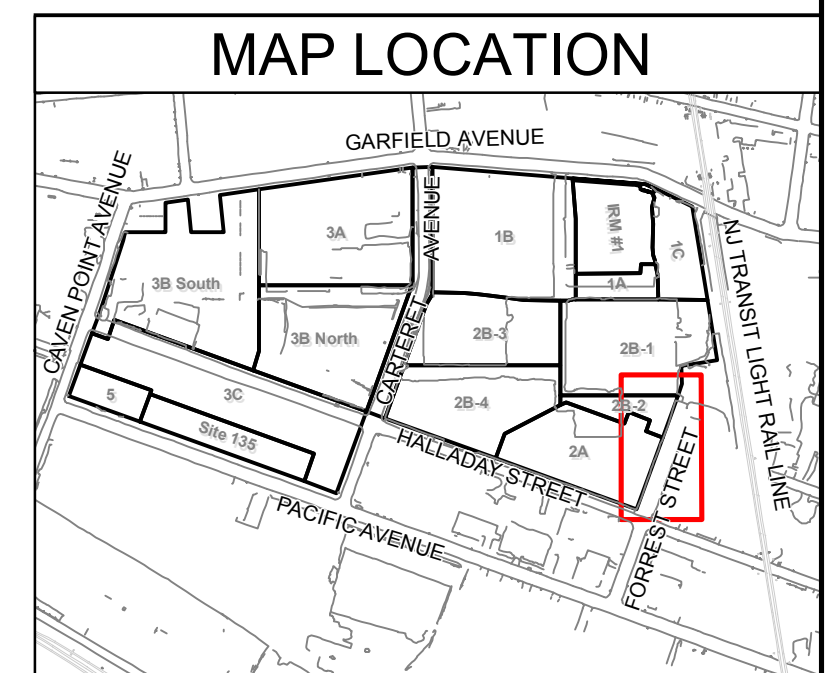
- ⊗ SAMPLING LOCATION (REMAINING SAMPLES)
- REMAINING SAMPLES NOT ANALYZED FOR BENZENE
- RESULT IS LESS THAN THE MOST STRINGENT STANDARD
- RESULT EXCEEDS THE MOST STRINGENT STANDARD, BUT DOES NOT FALL UNDER THE PURVIEW OF THE ACO AND JCO AND ARE THE RESPONSIBILITY OF THE PROPERTY OWNER
- BENZENE (Bz)
- ◆ POST-EXCAVATION ELEVATION SURVEY POINT REPRESENTING AS-BUILT TERMINAL EXCAVATION ELEVATION (FT NAVD88)
- IN PLACE SHEET PILE (AS OF FEBRUARY 2019)
- REMOVED SHEET PILE
- PRE-REMEDIATION ELEVATION CONTOUR (1-FOOT INTERVAL IN FT NAVD88)
- CONCEPTUAL POST-EXCAVATION ELEVATION CONTOUR (1-FOOT INTERVAL IN FT NAVD88)
- PROPERTY LINE
- SITE BOUNDARY
- FORREST STREET UTILITY OFFSET BEING ADDRESSED VIA ENGINEERING CONTROLS (HDPE LINER) AND INSTITUTIONAL CONTROLS (NOTICE IN LIEU OF DEED NOTICE)
- SOUTHERN PORTION OF 100 FORREST STREET LOADING DOCK DRIVEWAY BEING ADDRESSED VIA ENGINEERING CONTROLS (EXISTING ASPHALT AND CONCRETE CAP) AND INSTITUTIONAL CONTROLS (NOTICE IN LIEU OF DEED NOTICE)
- FORREST STREET PROPERTIES TO BE ADDRESSED VIA ENGINEERING CONTROLS AND INSTITUTIONAL CONTROLS TO BE DISCUSSED IN A SEPARATE SUBMITTAL
- HDPE LINER EXTENT
- GRID LAYOUT
- BUILDING

Soil Screening Level (mg/kg)	
Analyte	DIGWSSL
BENZENE	0.005

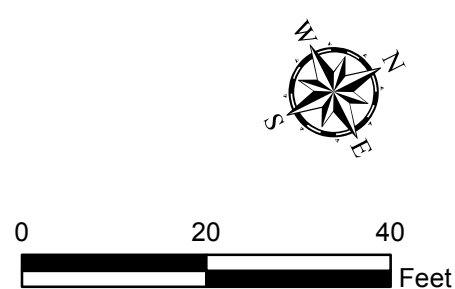
ABBREVIATIONS:
 ACO - Administrative Consent Order
 bgs - below ground surface
 Bz - benzene
 DIGWSSL - Default Impact to Groundwater Soil Screening Level
 El. - elevation
 FD - field duplicate sample
 Forrest TEE Submittal - March 2017 *Forrest Street and Forrest Street Properties - Proposed Terminal Excavation Elevations Submittal (Revision 1)* (AECOM), as accepted by NJDEP on May 25, 2017.
 ft - feet
 HDPE - high-density polyethylene
 IGW - Impact to Groundwater
 JCO - Judicial Consent Order
 mg/kg - milligrams per kilogram
 NAVD88 - North American Vertical Datum of 1988
 NJDEP - New Jersey Department of Environmental Protection
 U.S. - United States

GENERAL NOTES:
 G1. The benzene data associated with the sample locations shown on this figure are provided in Table 5-7. Data presented in call out boxes on this figure are outliers (i.e., data points that require further explanation). Specific notes on how NJDEP's remedial standards are being met and/or how remedial completion is being achieved/completed for each outlier sample are provided in the Specific Notes in Table 5-7.
 G2. "Elevation" refers to the sample elevation based on the pre-remediation surface elevation for samples collected from the pit bottom, and the surface elevation of the sample location when the sample was collected via boring or test pit.
 G3. Elevation vertical datum is NAVD88, in U.S. survey ft.
 G4. Results are reported in mg/kg.
 G5. Source of block/lot information is Jersey City Parcel Data from New Jersey Geographic Information Network (NJGIN), last updated 10/6/2015 (available at: <http://data.jerseycitynj.gov/dataset/jersey-city-parcel-polygon>).
 G6. This figure presents data only for locations within the Site boundary that have samples in the unsaturated zone remaining in place.

SPECIFIC NOTES:
 S1. Property lines and pre-construction topographical contours are sourced from the "Boundary and Topographic Survey, PPG Industries Site 114, Lots 11, 12, 14 and 15, Block 21501, City of Jersey City, Hudson County, New Jersey" prepared by Borbas Surveying and Mapping, LLC, dated January 8, 2019.
 S2. Post-excavation elevation survey points were sourced from the "Post Excavation Elevations Plan for ENTACT, LLC; PPG Site 133 & 135 Skyways," prepared by Maser Consulting P.A., dated June 30, 2017.
 S3. Conceptual post-excavation elevation contours were generated using professional judgment based on post-excavation elevation survey points and knowledge of excavation practices utilized during remedial excavation (i.e., excavation conducted on a 30 ft by 30 ft basis).
 S4. In Grids FF8B, FF10B, W11B, and Y12B, two sample locations are located adjacent; therefore, the sampling location symbols overlap on the figure.
 S5. Remediation was not required in the portions of Grids DD8B, DD9B, DD10B, DD11B, EE8B, EE9B, EE10B, FF8B, FF9B, FF10B, GG7B, GG8B, GG9B, GG10B, HH7B, HH8B, and HH9B in Forrest Street as per the Forrest TEE Submittal. Sub-grade excavation was conducted in Grids DD8B, DD9B, DD10B, DD11B, EE9B, and EE10B for restoration only.
 S6. This figure shows sample results from the unsaturated zone in comparison to the DIGWSSLs. The groundwater elevation (above which is the unsaturated zone) on this Site was estimated as the 50th percentile groundwater elevation from seven monitoring wells located on or adjacent to Forrest Street gauged between December 2003 and December 2016. The monitoring well locations and data are included in Appendix A. The estimated groundwater elevation for this Site is El. 6.3 ft NAVD88.



AECOM



Date: 2/14/2019

PPG
 FORREST STREET
 GARFIELD AVENUE GROUP
 JERSEY CITY, NEW JERSEY

SAMPLE MAP FOR BENZENE
 IN THE UNSATURATED SOIL ZONE
 COMPARED TO IGW SOIL SCREENING LEVEL

FIGURE 5-7