

ABBREVIATIONS:
 CCPW - Chromate Chemical Production Waste
 Cr - chromium
 Cr³⁺ - trivalent chromium
 Cr⁶⁺ - hexavalent chromium
 ft - feet
 mg/kg - milligrams per kilogram
 N/A - not applicable
 NAVD88 - North American Vertical Datum of 1988
 NJDEP - New Jersey Department of Environmental Protection
 NRDCSRS - New Jersey Department of Environmental Protection Non-Residential Direct Contact Soil Remediation Standard
 RDCSRS - New Jersey Department of Environmental Protection Residential Direct Contact Soil Remediation Standard
 RDCSRS-GAG - Residential Direct Contact Soil Remediation Standard - Garfield Avenue Group (alternative remediation standard approved by the New Jersey Department of Environmental Protection on December 28, 2016)
 SCC - Soil Cleanup Criteria
 SRS - Soil Remediation Standard

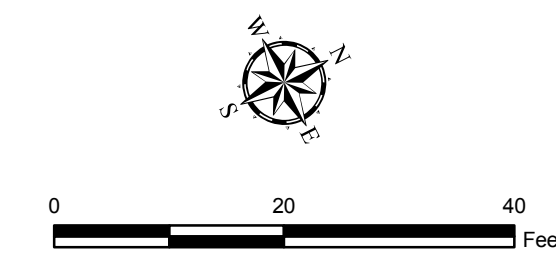
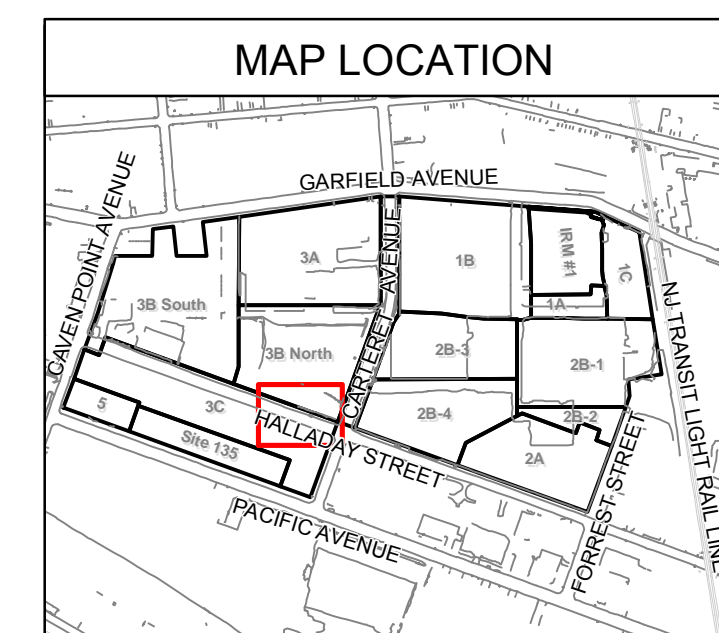
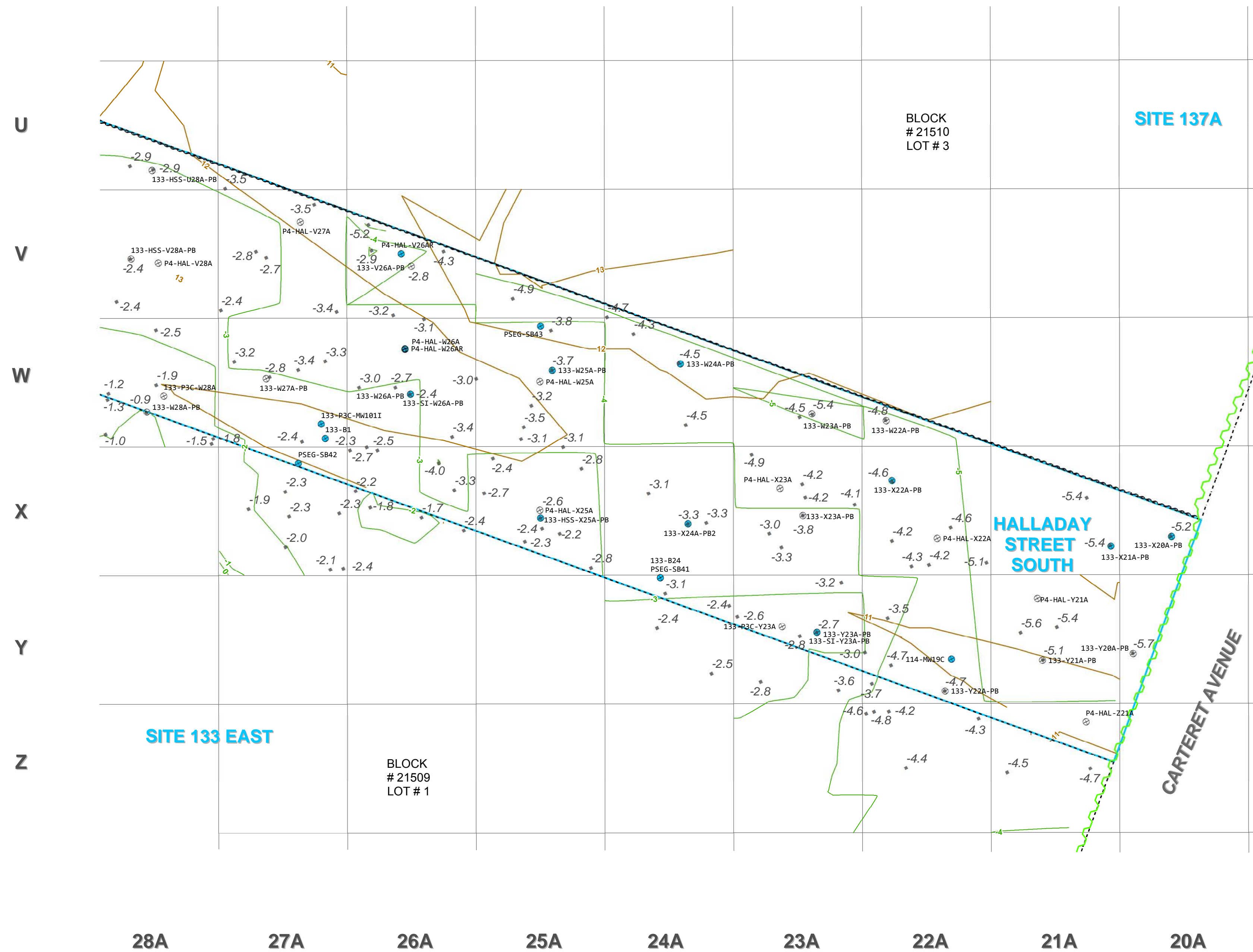
GENERAL NOTES:
 G1. The CCPW metals data associated with the sample locations shown on this figure are provided in Table 5-2. None of the detected CCPW metals results exceeded the standards.
 G2. Elevation vertical datum is NAVD88, in U.S. survey ft.
 G3. Source of block/lot information is Jersey City 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>).
 G4. Additional sample locations are shown on Figures 5-2A and 5-2B.
 G5. This figure presents data for locations within the Site boundary that have samples remaining in place. In addition, removed samples may be shown to demonstrate compliance with the remediation objectives. The Specific Notes on Table 5-2 include discussion of these situations, if necessary.
 G6. There is currently no NJDEP SRS and no NJDEP SCC for total Cr. Therefore, total Cr results are compared to the interim NJDEP Residential SCC for Cr³⁺ of 120,000 mg/kg as the cleanup criteria for soil at the Garfield Avenue Group Sites. There is no non-residential SCC for Cr³⁺.

SPECIFIC NOTES:
 S1. Property lines and pre-construction topographical contours are sourced from the "Boundary & Topographical Survey, PPG Site, Lot 5, Block 21510, Jersey City, Hudson County, New Jersey" prepared by Borbas Surveying and Mapping, LLC, dated May 30, 2014.
 S2. Post-excavation elevation survey points were taken from the "Post Excavation Elevation Plan for ENTACT, LLC; PPG SITE 133/135 HSS 133E 135 ASM EXCAVATION," produced by Maser Consulting P.A., dated 05/09/18.
 S3. Conceptual post-excavation elevation contours were generated using professional judgement 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. The extent of excavation shown here represents the as-built terminal excavation elevation for remediation of Cr⁶⁺, CCPW, non-Cr constituents, and concrete foundation removal.
 S5. In Grids W26A, Y23A, and Y24A, two sample locations are located adjacent; therefore, the sampling location symbols overlap on the figure.

LEGEND

- ⊗ SAMPLING LOCATION (REMAINING SAMPLES)
- ⊙ SAMPLING LOCATION (REMOVED SAMPLES)
- REMAINING SAMPLES NOT ANALYZED FOR CCPW METALS
- RESULT IS BELOW THE MOST STRINGENT STANDARD
- ▲ POST-EXCAVATION ELEVATION SURVEY POINT REPRESENTING AS-BUILT TERMINAL EXCAVATION ELEVATION (FT NAVD88)
- CONCEPTUAL POST-EXCAVATION ELEVATION CONTOUR (1-FOOT INTERVAL IN FT NAVD88)
- IN PLACE SHEET PILE (AS OF OCTOBER 2017)
- PRE-REMEDIATION ELEVATION CONTOUR (1-FOOT INTERVAL IN FT NAVD88)
- - - - PROPERTY LINE
- ~ ~ ~ REMOVED SHEET PILE
- GRID LAYOUT
- ▭ HALLADAY STREET SOUTH BOUNDARY

Soil Remediation Standards (mg/kg)			
Analyte	RDCSRS	RDCSRS-GAG	NRDCSRS
ANTIMONY	31	N/A	450
CHROMIUM	120000	N/A	N/A
NICKEL	1600	N/A	23000
THALLIUM	N/A	N/A	N/A
VANADIUM	N/A	390	1100



PPG
 HALLADAY STREET SOUTH
 GARFIELD AVENUE GROUP
 JERSEY CITY, NEW JERSEY

HALLADAY STREET SOUTH (COLUMN 20A TO 28A)
 SAMPLE MAP FOR CCPW METALS
 COMPARED TO SOIL REMEDIATION STANDARDS

DATE: 05/30/2018

FIGURE 5-2C