



#### LEGEND

— - - EXISTING GROUND SURFACE	
— - - GROUNDWATER SURFACE, SHALLOW WELLS (MAY/JUNE 2018)	
— - - STRUCTURE	
● 114-MW25C GROUNDWATER MONITORING WELL	
— - - EXISTING SHEETPILE	
— - - WELL RISER	
— - - WELL SCREEN	
— - - SHALLOW WATER-BEARING ZONE WELL POTENTIALMETRIC HEAD (MAY/JUNE 2018)	
— - - INTERMEDIATE WATER-BEARING ZONE WELL POTENTIALMETRIC HEAD (MAY/JUNE 2018)	
— - - DEEP WATER-BEARING ZONE WELL POTENTIALMETRIC HEAD (MAY/JUNE 2018)	
↑ DIRECTION OF VERTICAL HYDRAULIC GRADIENT (MAY/JUNE 2018)	
▲ 10.1 Cr CONCENTRATION >70 ug/L	
▼ 187 Cr CONCENTRATION >70 ug/L	
— - - 70 Cr ISOCONTOUR 70 ug/L	
— - - 100 Cr ISOCONTOUR 100 ug/L	
— - - 1,000 Cr ISOCONTOUR 1,000 ug/L	
— - - 10,000 Cr ISOCONTOUR 10,000 ug/L	
— - - 100,000 Cr ISOCONTOUR 100,000 ug/L	
— - - 1,000,000 Cr ISOCONTOUR 1,000,000 ug/L	
— - - INFERRED Cr ISOCONTOUR	
— - - ESTIMATED HYDRAULIC CONDUCTIVITY LOG FROM HYDRAULIC PROFILE TOOL (HPT), FEET/DAY	

#### STRATIGRAPHY

SHALLOW WATER-BEARING ZONE	FILL: FINE TO COARSE SAND WITH SILT AND GRAVEL. MAY INCLUDE VARIOUS MATERIALS ASSOCIATED WITH HISTORICAL FILL SUCH AS: CONSTRUCTION SPOILS, DEMOLITION DEBRIS, GARBAGE, INCINERATOR ASH, COAL ASH, SHIP BALLAST, AND INDUSTRIAL WASTE.
INTERMEDIATE WATER-BEARING ZONE	DENSE-GRADE AGGREGATE FILL: FINE TO COARSE SAND WITH FINE GRAVEL AND SILT.
DEEP WATER-BEARING ZONE	FINE TO MEDIUM SAND WITH LENSES OF SILT, TRACE FINE GRAVEL.
MEADOW MAT:	ESTUARINE AND SALT MARSH DEPOSITS.
SAND AND SILTY SAND WITH LENSES OF GRAVEL, SILT, OR CLAY	
TRANSITION ZONE:	INTERBEDDED FINE TO VERY FINE SAND, SILT, AND CLAY.
?	DENOTES INFERRED STRATIGRAPHIC CONTACT.
?	FERROBLACK-H AMENDED BACKFILL AREA.

#### NOTES:

- ELEVATIONS ARE SHOWN IN FT NAVD88.
- THE GWQS FOR Cr IS 70 ug/l.
- DATA PRESENTED ON THIS FIGURE ARE FROM SAMPLES COLLECTED FROM MONITORING WELLS BETWEEN JUNE 15, 2011 AND FEBRUARY 2021, FOR VARIOUS GROUNDWATER PROGRAMS, INCLUDING BUT NOT LIMITED TO: GROUNDWATER RI (HISTORICAL AND INFERRED), COLLECTIVE GROUNDWATER PILOT TESTING, AND INTERIM REMEDIATION MEASURES (IRM) ON SITE 114, CAPILLARY RISE GROUNDWATER MONITORING AND SITE-WIDE FERROBLACK-H PERMIT-BY-RULE (PBR) COMPLIANCE MONITORING.
- DATA FROM SAMPLES COLLECTED FROM HISTORICAL MONITORING WELLS LOCATED IN REMEDIAL AREAS (E.G., SITE 114) ARE NOT USED FOR MORE RECENT DATA COLLECTION PROGRAMS THAT WERE IMPLEMENTED AFTER THE COMPLETION OF SOIL REMEDIATION ACTIVITIES.
- RESULTS PRESENTED ARE FROM THE ANALYSIS OF UNFILTERED GROUNDWATER SAMPLES.
- CHROMIUM CONCENTRATIONS ARE PRESENTED IN UNITS OF MICROGRAMS PER LITER.

#### QUALIFIERS:

- J RESULT IS AN ESTIMATED VALUE  
U ANALYTE WAS NOT DETECTED ABOVE THE METHOD DETECTION LIMIT OR REPORTING LIMIT

#### DEFINITIONS:

CCPW	CHROMATE CHEMICAL PRODUCTION WASTE
COPR	CHROMITE ORE PROCESSING RESIDUE
Cr	TOTAL CHROMIUM
FT NAVD88	FEET IN NORTH AMERICAN VERTICAL DATUM OF 1988
GWQS	GROUNDWATER QUALITY STANDARD
RI	REMEDIAL INVESTIGATION
ug/L	MICROGRAMS PER LITER

PPG  
GARFIELD AVENUE GROUP SITES  
JERSEY CITY, HUDSON COUNTY NEW JERSEY

FENCE DIAGRAM I-I'

DATE: 8/16/2021

DRWN: GDS

FIGURE 5-8