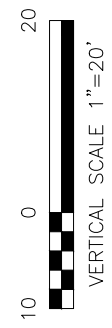
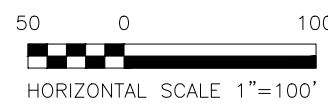
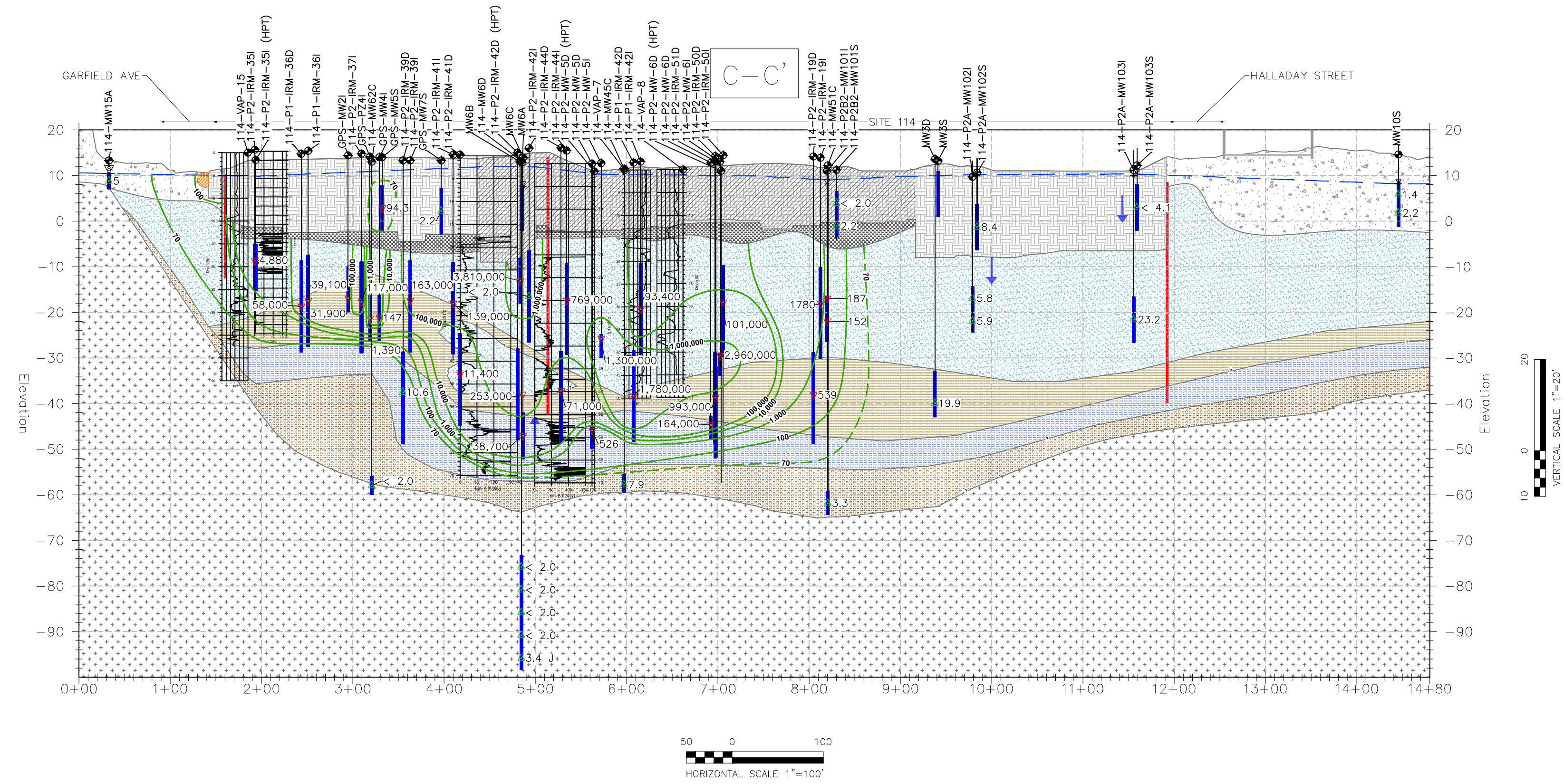


File: G:\910\_CAD\20\_SHEETS\DWG\2021\20210803\_Fence\_Diagram\_C-C.dwg Layout: C-C' ANSI B User: frederik.schulte Plotted: Aug 17, 2021 - 1:41pm Area's:



**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 POTENTIOMETRIC HEAD (MAY/JUNE 2018)
- INTERMEDIATE WATER-BEARING ZONE WELL POTENTIOMETRIC HEAD (MAY/JUNE 2018)
- DEEP WATER-BEARING ZONE WELL POTENTIOMETRIC HEAD (MAY/JUNE 2018)
- DIRECTION OF VERTICAL HYDRAULIC GRADIENT (MAY/JUNE 2018)

- Cr CONCENTRATION >70 ug/L
- Cr CONCENTRATION >70 ug/L
- Cr ISOCONTOUR 70 ug/L
- Cr ISOCONTOUR 100 ug/L
- Cr ISOCONTOUR 1,000 ug/L
- Cr ISOCONTOUR 10,000 ug/L
- Cr ISOCONTOUR 100,000 ug/L
- Cr ISOCONTOUR 1,000,000 ug/L
- INFERRED Cr ISOCONTOUR
- ESTIMATED HYDRAULIC CONDUCTIVITY LOG FROM HYDRAULIC PROFILE TOOL (HPT), FEET/GAY

**STRATIGRAPHY**

- SHALLOW WATER-BEARING ZONE**
  - FINE TO COARSE SAND WITH SILT AND GRAVEL, MAY INCLUDE VARIOUS MATERIALS ASSOCIATED WITH HISTORICAL FILL SUCH AS: CONSTRUCTION SPOOLS, DEMOLITION DEBRIS, GARBAGE, INCINERATOR ASH, COAL ASH, SHIP BALLAST, AND INDUSTRIAL WASTE
  - DENSE-GRADE AGGREGATE FILL: FINE TO COARSE SAND WITH FINE GRAVEL AND SILT
  - FINE TO MEDIUM SAND WITH LENSES OF SILT, TRACE FINE GRAVEL
- INTERMEDIATE WATER-BEARING ZONE**
  - 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
- DEEP WATER-BEARING ZONE**
  - SAND WITH LENSES OF GRAVEL, SILT, OR CLAY
  - SILT AND CLAY, WITH LENSES OF INTERBEDDED VERY FINE SAND
  - BASAL TILL (LOWER FACIES OF RAHWAY TILL) REDDISH-BROWN SILTY CLAYS, SANDY SILTS, AND SILTY SANDS WITH SUBROUND TO SUBANGULAR FINE TO COARSE GRAVEL AND COBBLES, AND OCCASIONAL INTERBEDDED LENSES OF CLAY, SILT, OR FINE SAND, HARD, DENSE, COMPACT, AND TYPICALLY DRY.
  - BEDROCK: STOCKTON FORMATION, LOCKATONG FORMATION, OR DABAKE
  - AREA WITH VISUAL OBSERVATIONS OF CCPW, CONSISTING OF CCPW, GREEN-GRAY MUD, OR FILL MIXED WITH CCPW OR GREEN-GRAY MUD
  - DENOTES INFERRED STRATIGRAPHIC CONTACT
  - FERROBLACK-H AMENDED BACKFILL AREA

**NOTES:**

1. ELEVATIONS ARE SHOWN IN FT NAVD88.
2. THE GWQS FOR Cr IS 70 ug/L.
3. 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 RECENTLY COMPLETED), GROUNDWATER PILOT TESTING AND INTERM REMEDIAL MEASURES (IRM) ON SITE 114, CAPILLARY RISE GROUNDWATER MONITORING AND SITE-WIDE FERROBLACK-H PERMIT-BY-RULE (PBR) COMPLIANCE MONITORING.
4. DATA FROM SAMPLES COLLECTED FROM HISTORICAL MONITORING WELLS LOCATED IN REMEDIAL AREAS (E.G., SITE 114) ARE SUPERCEDED BY MORE RECENT DATA COLLECTION PROGRAMS THAT WERE IMPLEMENTED AFTER THE COMPLETION OF SOIL REMEDIATION ACTIVITIES.
5. RESULTS PRESENTED ARE FROM THE ANALYSIS OF UNFILTERED GROUNDWATER SAMPLES.
6. 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
- CCPR 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 C-C'

DATE: 8/16/2021

DRWN: GDS

FIGURE 5-3