

Appendix E

Cross-Section Diagrams

Cross-section diagrams depicting the horizontal and vertical extents of CCPW-related impacts are provided herein in accordance with N.J.A.C. 7.26E-5.7-1.6(b)8. If discrepancies between the cross sections and Figure 5-1 and Table 5-1 provided as part of this RAR are present, Figure 5-1 and Table 5-1 supersede the cross sections.

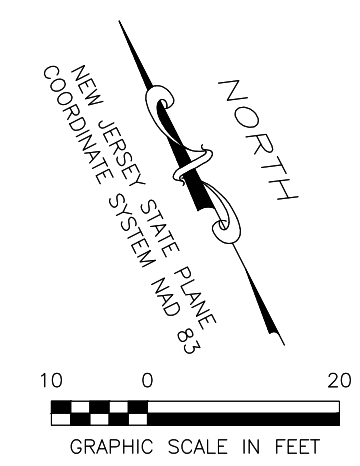
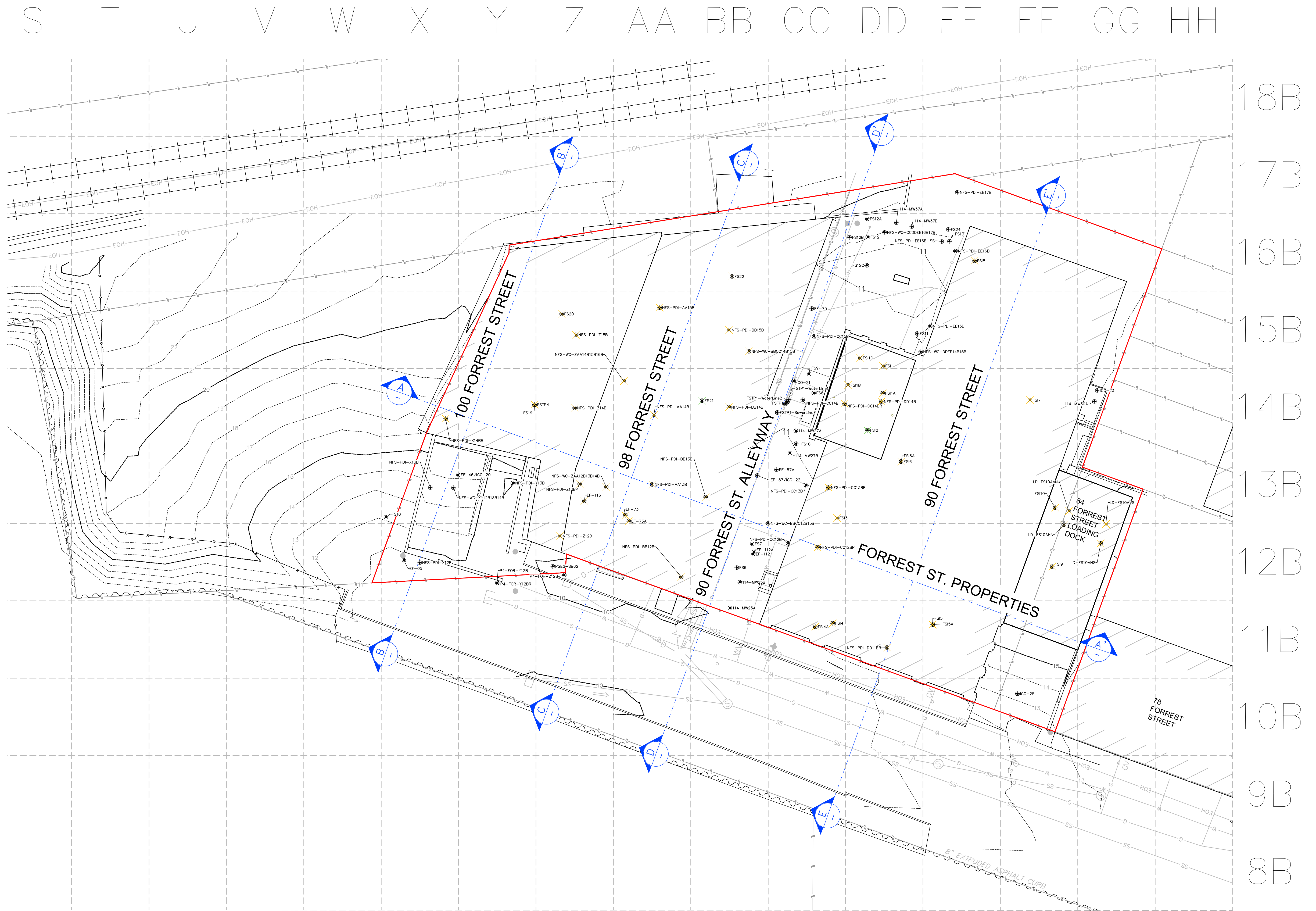
LEGEND

- PROPERTY LINE
- FENCE
- EDGE OF PAVEMENT
- EDGE OF CONCRETE
- EXISTING SHEET PILE
- CURB
- DEPRESSED CURB
- CONCRETE WALL
- RAILROAD
- EXISTING BUILDING
- UTILITY POLE
- COMBINED SEWER MANHOLE
- FIRE HYDRANT
- WATER VALVE
- GAS VALVE
- CATCH BASIN INLET
- EXISTING BOLLARD
- BORING
- CONCRETE CORE
- GREEN-STAINED CONCRETE
- SIDEWALL SAMPLE
- COMBINED SEWER UTILITY LINE
- GAS UTILITY LINE
- WATER UTILITY LINE
- OVERHEAD ELECTRIC UTILITY LINE
- DRAINAGE LINE
- UNDERGROUND ELECTRIC UTILITY LINE
- COMMUNICATION LINE - NOT SURVEYED
- ELEVATION CONTOURS 1' INTERVAL 5' INDEX
- ALLEYWAY RESTORATION CONTOUR 1'
- CROSS-SECTION LINE
- SITE BOUNDARY

NOTES:

- CCPR - CHROMITE ORE PROCESSING RESIDUE
1. THE SOIL BORING LOCATIONS LISTED IN THE TABLE BELOW ARE DEPICTED ON FIGURES 1 THROUGH 6 TO DOCUMENT THE SUBSURFACE LITHOLOGY. THESE SOIL BORING LOCATIONS DO NOT INCLUDE ANALYTICAL DATA OR OBSERVATIONS OF CCPR (A POTENTIAL SOURCE OF Cr⁶ AND COPW METALS) RELEVANT TO THE FORREST STREET PROPERTIES REMEDIAL ACTION REPORT AND ARE NOT DEPICTED ON THE ASSOCIATED TABLES AND FIGURES.

Sample Location IDs	Grid
114-MW27B	CC13B
114-MW30A	GG14B
114-MW37A	DD16B
114-MW37B	DD16B
FS14	CC11B
FS15	EE11B
FS16	DD13B
FSTP1	CC14B
FSTP4	Y14B
NFS-WC-BBCC12B13B	BB12B, BB13B, CC12B, CC13B
NFS-WC-BBCC14B15B	BB15B
NFS-WC-CCDDEE16B17B	DD16B
NFS-WC-DDEE14B15B	DD15B
NFS-WC-XY12B13B14B	X13B
NFS-WC-ZAA12B13B14B	Z13B
NFS-WC-ZAA14B15B16B	AA14B
PSEG-SB62	Z12B



PPG - FORREST STREET PROPERTIES
 CURRENT-USE REMEDIATION AREAS
 GARFIELD AVENUE GROUP
 JERSEY CITY, NEW JERSEY

REMEDIAL ACTION REPORT
 FORREST STREET PROPERTIES
 CROSS-SECTION LAYOUT

DATE: 12/13/2023

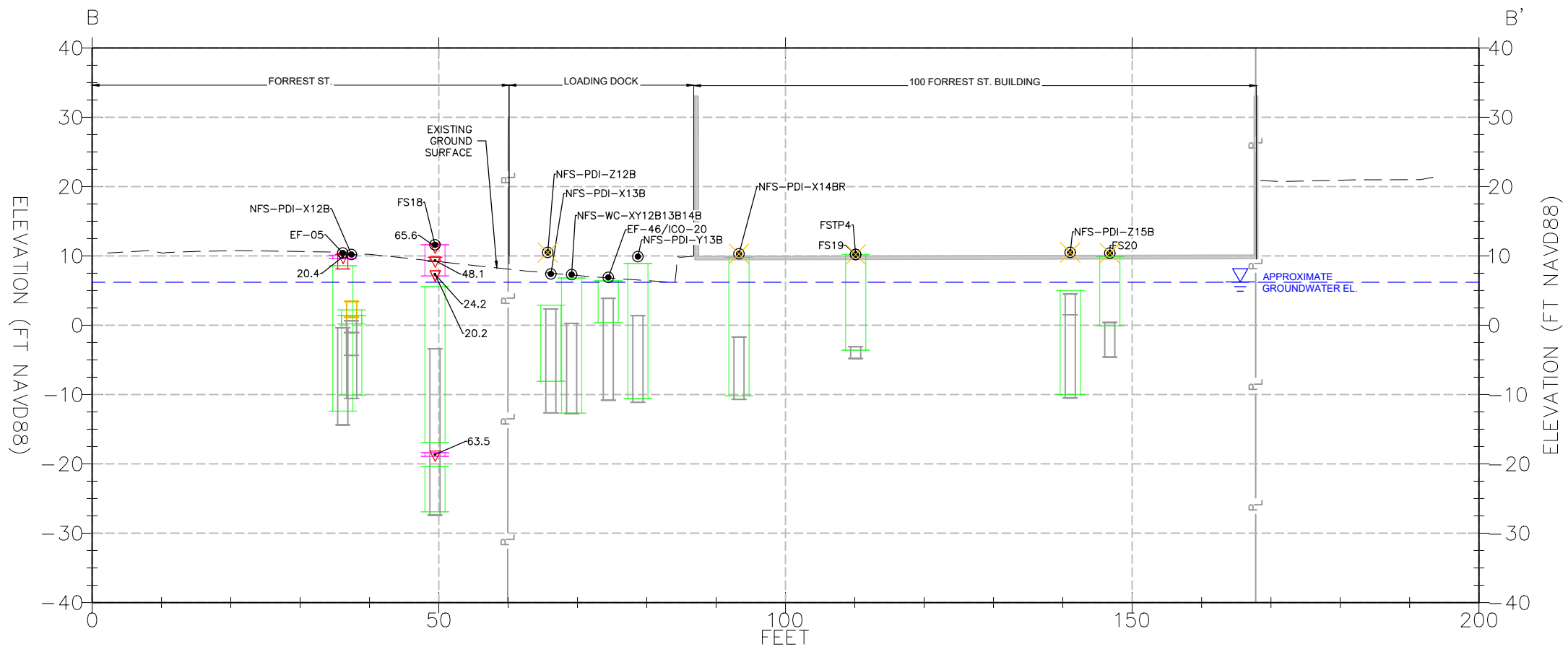
DRWN: MDN

FIGURE 1

File: C:\Users\NicholasM1\OneDrive\PPG - G051 910 C401 20 SHEETS\B66\FSP B66\FSP B66\Cross-Sections\2023-12-13 Forrest Street Properties Cross-Section.dwg Layout: SITE PLAN User: NicholasM1 Plotdate: Dec 13, 2023 8:55am AecV8



100 FORREST ST.



LEGEND

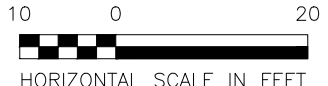
<ul style="list-style-type: none"> COPR OBSERVED IN BORING MM OBSERVED IN BORING UND OBSERVED IN BORING SOIL ANALYTICAL RESULT < 20 MG/KG Cr⁺⁶ SOIL ANALYTICAL > 20 MG/KG Cr⁺⁶ 	<ul style="list-style-type: none"> SOIL ANALYTICAL > 20 MG/KG Cr⁺⁶ FOR SIDEWALL SAMPLE X CONCRETE CORE X GREEN-STAINED CONCRETE ● AS-BUILT BORING AND/OR MONITORING WELL LOCATION ▽ Cr⁺⁶ SOIL CONCENTRATION >20 MG/KG ⊕ SIDEWALL SAMPLE WITH Cr⁺⁶ CONCENTRATION >20 MG/KG REMAINING IN-PLACE
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- - - - -	APPROXIMATE GROUNDWATER ELEVATION (SEE NOTE 2)
- - - - -	EXISTING GROUND SURFACE
— PL —	PROPERTY LINE

NOTES:

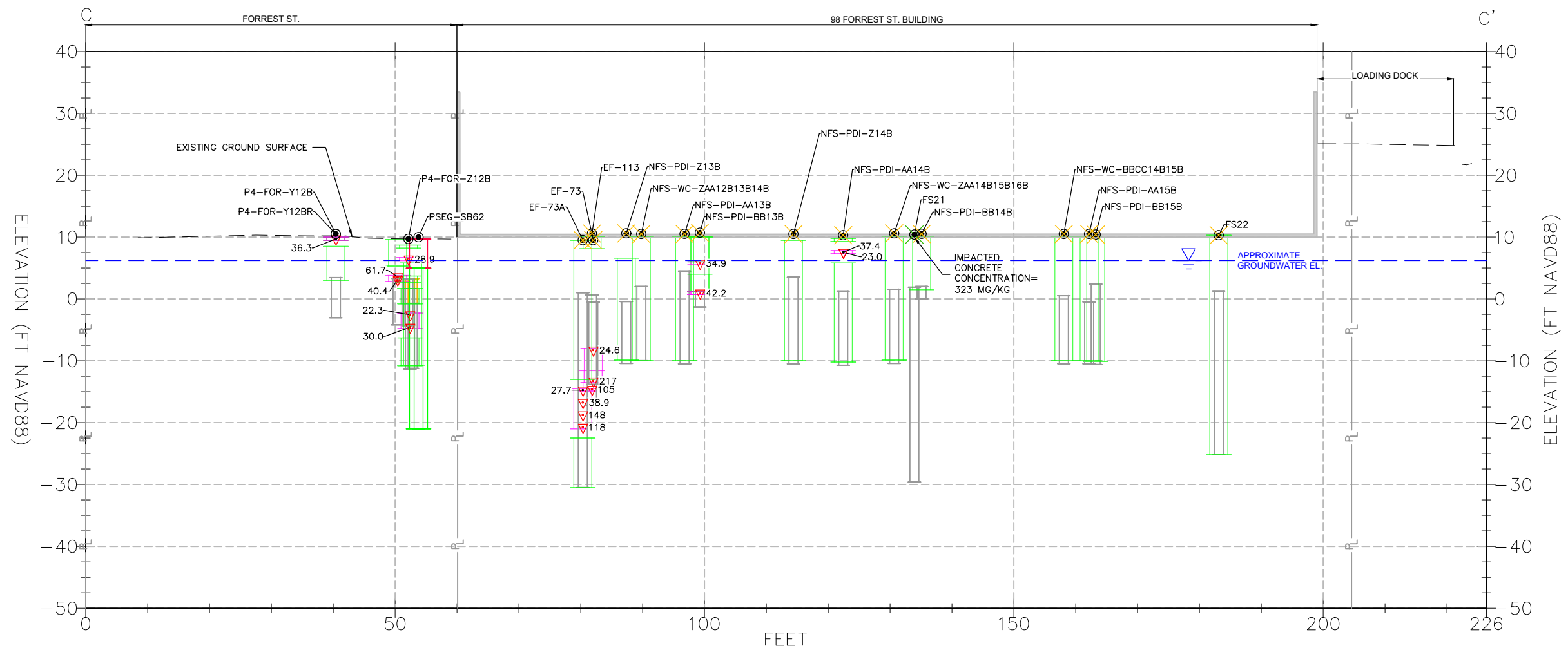
1. ELEVATIONS SHOWN IN FT NAVD88
2. THE GROUNDWATER ELEVATION ON FORREST STREET PROPERTIES WAS ESTIMATED AS THE 50TH PERCENTILE GROUNDWATER ELEVATION FROM EIGHT MONITORING WELLS LOCATED ON OR ADJACENT TO FORREST STREET PROPERTIES THAT WERE GAUGED BETWEEN DECEMBER 2011 AND MARCH 2020. THE ESTIMATED GROUNDWATER ELEVATION FOR FORREST STREET PROPERTIES IS EL. 6.2 FT NAVD88.

COPR	CHROMITE ORE PROCESSING RESIDUAL
Cr ⁺⁶	HEXAVALENT CHROMIUM
FT NAVD88	FEET IN THE NORTH AMERICAN VERTICAL DATUM OF 1988
MG/KG	MILLIGRAMS PER KILOGRAM
MM	MEADOW MAT
UND	UNDISTURBED NATIVE DEPOSITS



PPG - FORREST STREET PROPERTIES CURRENT-USE REMEDIATION AREAS GARFIELD AVENUE GROUP JERSEY CITY, NEW JERSEY	REMEDIAL ACTION REPORT 100 FORREST STREET CROSS-SECTION B TO B'
DATE: 05/17/2023 DRWN: MDN	FIGURE 3

98 FORREST ST.



LEGEND

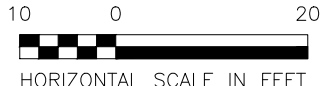
<ul style="list-style-type: none"> ▮ COPR OBSERVED IN BORING ▮ MM OBSERVED IN BORING ▮ UND OBSERVED IN BORING ▮ SOIL ANALYTICAL RESULT < 20 MG/KG Cr⁺⁶ ▮ SOIL ANALYTICAL > 20 MG/KG Cr⁺⁶ 	<ul style="list-style-type: none"> ▮ SOIL ANALYTICAL > 20 MG/KG Cr⁺⁶ FOR SIDEWALL SAMPLE ✕ CONCRETE CORE ✕ GREEN-STAINED CONCRETE ● AS-BUILT BORING AND/OR MONITORING WELL LOCATION ▽ Cr⁺⁶ SOIL CONCENTRATION >20 MG/KG ⊕ SIDEWALL SAMPLE WITH Cr⁺⁶ CONCENTRATION >20 MG/KG REMAINING IN-PLACE
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▬▬▬▬▬▬	APPROXIMATE GROUNDWATER ELEVATION (SEE NOTE 2)
- - - - -	EXISTING GROUND SURFACE
— —	PROPERTY LINE

NOTES:

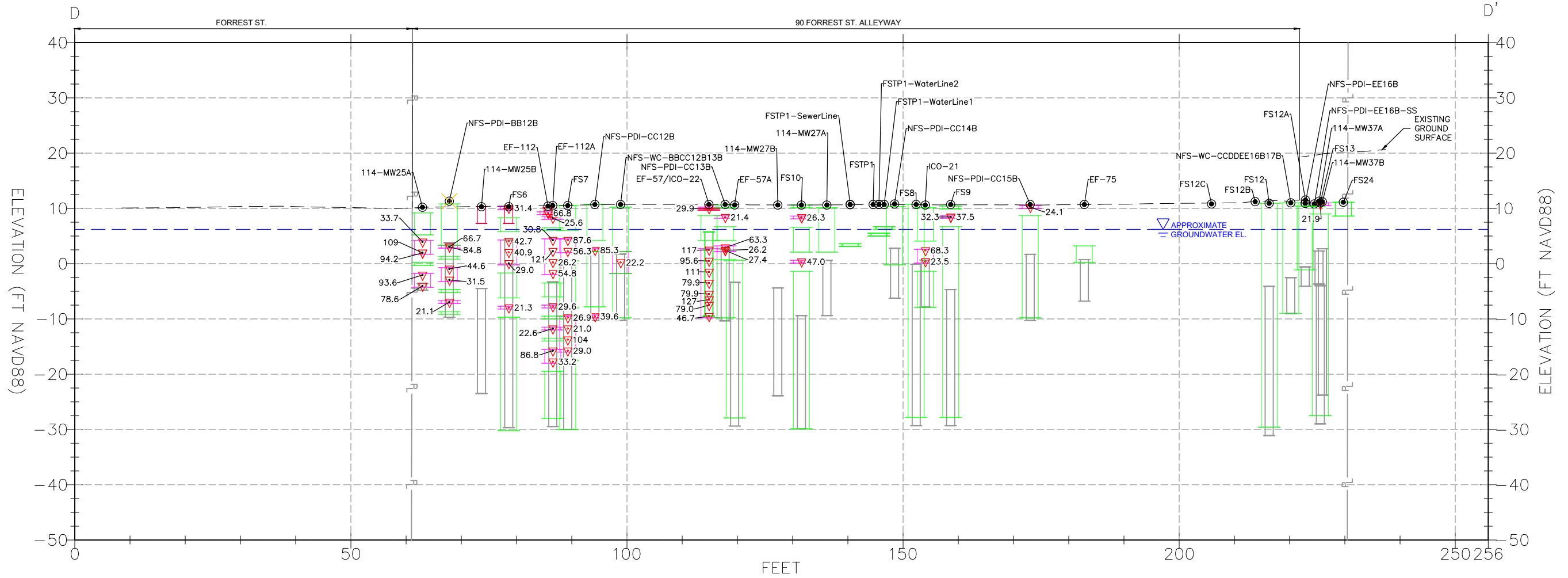
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MM	MEADOW MAT
UND	UNDISTURBED NATIVE DEPOSITS



PPG - FORREST STREET PROPERTIES CURRENT-USE REMEDIATION AREAS GARFIELD AVENUE GROUP JERSEY CITY, NEW JERSEY	REMEDIAL ACTION REPORT 98 FORREST STREET CROSS-SECTION C TO C'
DATE: 05/17/2023	DRWN: MDN
FIGURE 4	

90 FORREST ST. ALLEYWAY



LEGEND

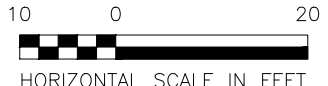
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- - - - -	EXISTING GROUND SURFACE
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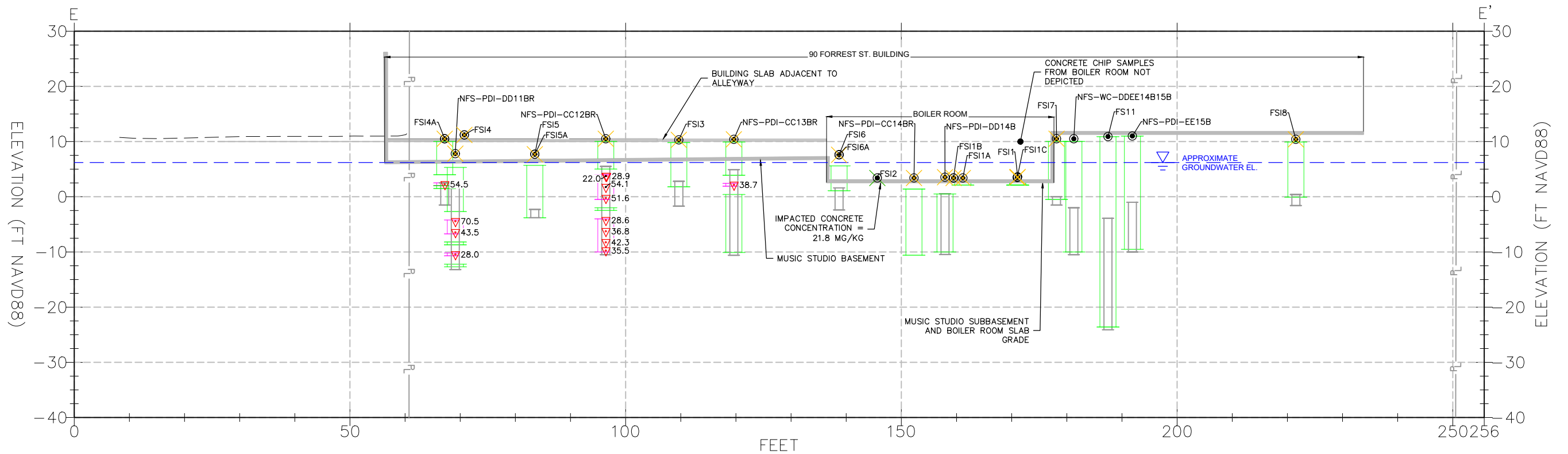
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MM	MEADOW MAT
UND	UNDISTURBED NATIVE DEPOSITS



PPG - FORREST STREET PROPERTIES CURRENT-USE REMEDIATION AREAS GARFIELD AVENUE GROUP JERSEY CITY, NEW JERSEY	REMEDIATION ACTION REPORT 90 FORREST STREET ALLEYWAY CROSS-SECTION D TO D'
DATE: 05/17/2023	DRWN: MDN
FIGURE 5	

File: C:\Users\NicholsM1\AECOM\PPG - GDS\910 CAD\20 SHEETS\PPG\PPG\2022 RAR\Cross-Sections\2023-12-13 Forrest Street Cross Sections.dwg Layout: ALLEYWAY User: NicholsM1 Plotted: Dec 13, 2023 - 8-

90 FORREST ST.



LEGEND

<ul style="list-style-type: none"> COPR OBSERVED IN BORING MM OBSERVED IN BORING UND OBSERVED IN BORING SOIL ANALYTICAL RESULT < 20 MG/KG Cr⁺⁶ SOIL ANALYTICAL > 20 MG/KG Cr⁺⁶ 	<ul style="list-style-type: none"> SOIL ANALYTICAL > 20 MG/KG Cr⁺⁶ FOR SIDEWALL SAMPLE X CONCRETE CORE X GREEN-STAINED CONCRETE ● AS-BUILT BORING AND/OR MONITORING WELL LOCATION ▽ Cr⁺⁶ SOIL CONCENTRATION >20 MG/KG ⊕ SIDEWALL SAMPLE WITH Cr⁺⁶ CONCENTRATION >20 MG/KG REMAINING IN-PLACE
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PPG - FORREST STREET PROPERTIES CURRENT-USE REMEDIATION AREAS GARFIELD AVENUE GROUP JERSEY CITY, NEW JERSEY	REMEDIAL ACTION REPORT 90 FORREST STREET CROSS-SECTION E TO E'
DATE: 05/17/2023	DRWN: MDN
FIGURE 6	