

**Master Schedule for the NJ PPG Chrome Remediation Sites**

**(Exhibit 2/3)**

**Revision Date: March 5, 2020**

**SOILS - GARFIELD AVENUE SITES**

Group/Phase or Site (See Figure 1 attached)	Property Description (Owner) (See Figure 2 attached)	Access/Road Closure Plan	Excavation Start Actual OR Required	Excavation Complete Actual OR Required	Backfill Complete Actual OR Required	Restoration Complete Actual OR Required	RAR Determination	Comments
GA Group IRM #1 and Phases 1A, 1B, 1C, 2A, 2B-1, 2B-2, 2B-3, and 2B-4	Site 114 (JCRA/Hampshire)	Access Complete	12/31/2013	11/24/2014	1/21/2015	1/31/2018 (see Comments)	10/31/2019	<p>An RAR Determination letter and an RAR Conditional Approval letter were issued by the New Jersey Department of Environmental Protection ("NJDEP") on October 31, 2019 for chromate chemical production waste ("CCPW"), CCPW-related constituents, historic fill, former underground storage tanks, and other historic operations Areas of Concern ("AOCs") (114-1A, 114-3, 114-4A, 114-4B, and 114-5) at Site 114. With the approval and consent of all interested parties, deed notices (required as part of the approved remedy for Site 114 soils) were recorded in December 2019 with respect to all parcels constituting Site 114. On December 5, 2019, the final RAR Approval letter was issued by NJDEP. On January 17, 2020, PPG applied to NJDEP for a soil remedial action permit for Site 114 soils (excluding manufactured gas plant ("MGP") related contaminants). See Soil Note 8 regarding MGP contamination. The referenced RAR Determination excludes MGP-related AOCs.</p> <p>Limited CCPW-related impacts (AOC 114-1B) remain in a narrow strip of the western boundary of Site 114 (parallel to the eastern boundary of Garfield Avenue) referred to as the "Western Sliver" area. The owner of this portion of Site 114 has agreed to transfer title to the City of a strip of land, including the Western Sliver area, thereby making the Western Sliver area part of the Garfield Avenue roadway. Establishment of this strip of land as a roadway would mean that it would be addressed by a restricted-use remedial approach. Establishment of this strip of land as a roadway is consistent with the Canal Crossing Redevelopment Plan, which calls for the widening of Garfield Avenue in this area. The CCPW-related impacts in the Western Sliver area will be incorporated into the remediation submittals for the Garfield Avenue roadway. See Garfield Avenue Roadway discussion below.</p> <p>Restoration was deemed complete for all of Site 114, except for the soil IRM #1 area where active groundwater remediation is being performed. Restoration of the soil IRM #1 area is on hold pending the referenced groundwater remediation activities.</p>
GA Group Phase 3A	Site 132 (824 Garfield) (JCRA)	Access no longer required; Remediation Complete	3/4/2014	9/5/2014	5/15/2015	1/31/2018	6/27/2019	All CCPW has been excavated and the Site restored. An RAR Determination/Approval letter for AOC 132-1 was issued on 6/27/2019 and a Consent Judgment Compliance Letter (as defined in the General Notes below) was issued on 11/1/2019.
	Site 143 (846 Garfield) (PPG)	PPG Owned	3/4/2014	9/5/2014	5/15/2015	1/31/2018	9/30/2019	All CCPW has been excavated and the Site has been restored. An RAR Determination/Approval letter for AOC 143-1 was issued on September 30, 2019.
GA Group Phase 3B North (45 Halladay and a portion of 25 Halladay)	Site 137 North (PPG)	PPG Owned	7/9/2014	5/15/2015	8/3/2015	1/31/2018	9/30/2019	All CCPW has been excavated and the Site has been restored. An RAR Determination/Approval letter for AOC 137-1A was issued on September 30, 2019. See Soil Note 8 regarding MGP contamination. The RAR Determination excludes MGP-related AOCs.
GA Group Phase 3B South (15 Halladay, the remainder of 25 Halladay with 800 and 816 Garfield Avenue added)	Site 133 West (PPG) and Site 137 South (PPG)	PPG Owned	8/29/2018	April 2021	June 2021	July 2021	September 2022	PPG has excavated a portion of these Sites. The remaining portions of the planned excavation at these Sites was deferred until Ten West Apparel vacates 800 Garfield Avenue and will be included with the Ten West Apparel and Fishbein excavation. The sites included within GA Group Phase 3B South were not part of NJDEP's March 30, 2017 capillary break determination letter or the NJDEP-approved December 2017 Capillary Break Design Report. Therefore, a separate determination must be made by the Department prior to Restoration Complete as to the need for a capillary break at these sites.
	Fishbein (816 Garfield Avenue) (PPG)	PPG Owned	November 2020	April 2021	June 2021	July 2021	September 2022	Pursuant to the terms of a Court-ordered settlement agreement dated as of February 2, 2018 between PPG, Mid-Newark, L.P. and Ten West Apparel, Inc. ("Ten West"), Ten West was required to vacate the property on or prior to March 2, 2020. Ten West filed a motion with the Court on January 28, 2020 to extend the vacation date from March 2, 2020 until June 30, 2020. On February 28, 2020, the Court entered an Order extending the vacation date until April 17, 2020.
	Ten West Apparel (800 Garfield Avenue) (PPG)	PPG Owned						The sites included within GA Group Phase 3B South were not part of NJDEP's March 30, 2017 capillary break determination letter or the NJDEP-approved December 2017 Capillary Break Design Report. Therefore, a separate determination must be made by the Department prior to Restoration Complete as to the need for a capillary break at these sites.

**Master Schedule for the NJ PPG Chrome Remediation Sites**

**(Exhibit 2/3)**

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**SOILS - GARFIELD AVENUE SITES**

Group/Phase or Site (See Figure 1 attached)	Property Description (Owner) (See Figure 2 attached)	Access/Road Closure Plan	Excavation Start Actual OR Required	Excavation Complete Actual OR Required	Backfill Complete Actual OR Required	Restoration Complete Actual OR Required	RAR Determination	Comments
GA Group Phase 3C	Halladay Street South (Jersey City)	Road Closure In Place	4/21/2015	10/22/2015 (See Comments)	7/29/2016 (See Comments)	1/31/2018 (See comments)	5/2/2019	PPG completed excavation, backfilling and restoration in Halladay Street South with the exception of grids adjacent to Ten West Apparel; those grids will be excavated, backfilled, and restored in connection with the Ten West Apparel remediation activities consistent with the Ten West Apparel Master Schedule milestones. All CCPW has been excavated (except the grids noted above) and the Site has been restored. An RAR Determination letter for AOC HSS-1A was issued on May 2, 2019. An RAR Approval letter was issued on November 15, 2019. See Soil Note 8 regarding MGP contamination. The RAR Determination excludes MGP-related AOCs.
	Site 133 East (22-68 Halladay) (PPG)	PPG Owned	4/21/2015	10/22/2015 (See Comments)	7/29/2016 (See Comments)	1/31/2018 (See comments)	10/11/2019	PPG completed excavation, backfilling and restoration in these areas with the exception of grids in Site 133 East adjacent to Ten West Apparel; those grids will be excavated, backfilled, and restored in connection with the Ten West Apparel remediation activities consistent with the Ten West Apparel Master Schedule milestones. All CCPW has been excavated (except the grids noted above) and the Site has been restored. An RAR Determination/Approval letter for Site 133 East AOC 133E-1A and for Site 135 AOC 135-1 was issued on October 11, 2019. See Soil Note 8 regarding MGP contamination. The RAR Determination excludes MGP-related AOCs.
	Site 135 North (Portion of 51-99 Pacific) (PPG)	PPG Owned	2/23/2016	5/25/2016	7/29/2016	1/31/2018		
GA Group Site 135 South	Site 135 South (Remainder of 51-99 Pacific) (PPG)	PPG Owned	3/16/2016	8/23/2016 (See Comments)	12/29/2016 (See Comments)	1/31/2018	10/11/2019	All CCPW has been excavated and the Site has been restored. An RAR Determination/Approval letter for AOC 135-1 was issued on October 11, 2019.
	Halsted Corporation (78 Halladay St) (PPG)	PPG Owned	5/7/2018	8/10/2018 (See Comments)	8/24/2018 (See Comments)	10/4/2018 (See Comments)	December 2021 (See Comments)	Excavation, backfilling, and restoration of this site have been completed with the exception of: (i) residual impacted soils along the eastern boundary of the site, which will remain in order to protect building structures located on adjacent properties; remedial excavation of this eastern area will be deferred pending access to the impacted soil, and (ii) residual impacted soils along the western boundary of the site which will be addressed concurrently with the Halladay Street North remediation. The RAR for the Halsted site will be finalized upon completion of the excavation and backfilling of the impacted soils that remain on the western boundary. Chromium impacts that cannot be removed along the eastern boundary of the site may be addressed via a restricted use remedy. See Soil Note 8 regarding MGP contamination. This property was not part of NJDEP's March 30, 2017 capillary break determination letter or the NJDEP-approved December 2017 Capillary Break Design Report. Therefore, a separate determination must be made by the Department as to the need for a capillary break at this Site.
GA Group Phase 5 Off Site Properties	Forrest Street Properties 108 Forrest St (Caragliano)	Access complete	3/27/2017	7/19/2017	8/9/2017	5/2/2018	10/29/2019	PPG, NJDEP and the property owner reached a conceptual understanding regarding a remedial approach for 108 Forrest Street that called for the excavation and backfilling of impacted soils for the majority of the property, and a restricted use remedy adjacent to the 100 Forrest Street building where excavation was prohibited to avoid structural damage to the building. Excavation and backfilling of the agreed upon area was completed and engineering controls consistent with the property's current non-residential use were installed to address remaining impacts adjacent to the 100 Forrest Street building. PPG will conduct remedial excavation of the impacts that remain adjacent to the 100 Forrest Street building in the event the building is demolished and the remaining impacted materials become accessible. The timing of building demolition is unknown and outside of the scope of this Master Schedule. An RAR Determination letter for AOC FSP-1A and FSP-1B was issued on October 29, 2019. An RAR Conditional Approval letter was issued on November 15, 2019; final approval of the RAR is conditional upon property owner concurrence with the RAR. See Soil Note 8 regarding MGP contamination; the RAR Determination excludes MGP-related AOCs.

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GA Group Phase 5 Off Site Properties (continued)	Forrest Street Properties 84, 86-90, and 98-100 Forrest St (Caragliano)	Access complete	See Comments	See Comments	See Comments	See Comments	See Comments	On February 11, 2020, the property owner approved a Remedial Action Work Plan ("RAWP") to memorialize a restricted use remedy for these properties taking into account the properties' current non-residential use and impacts that remain under and adjacent to the buildings. NJDEP approved the RAWP by letter dated February 19, 2020. PPG will propose schedule milestones for implementation of the RAWP within three months of the referenced NJDEP approval; the new milestones will be included in the next update to the Master Schedule.  PPG will conduct remedial excavation of the impacts that remain under and adjacent to the buildings in the event the buildings are demolished and the remaining impacted materials become accessible. The timing of building demolition is unknown and outside of the scope of this Master Schedule.  See Soil Note 8 regarding MGP contamination; the RAR Determination date will exclude MGP-related AOCs.
	Al Smith Moving (33 Pacific Avenue) (NJEDA c/o Al Smith Moving)	Access no longer required; Remediation Complete	8/16/2017	1/8/2018	1/26/2018	2/15/2018	5/28/2019	All CCPW has been excavated and the Site restored. An RAR Determination/Approval letter for soils was issued on May 28, 2019 and a Consent Judgment Compliance Letter for soils AOC ASM-1 was issued on October 11, 2019.
	Site 199 – Green Gray Mud in Former Morris Canal	Access to be Obtained	See Comments	See Comments	See Comments	See Comments	See Comments	PPG will propose a separate master schedule pursuant to the terms of the 2011 Consent Judgment that will establish milestones for the regulatory closure of the green gray mud in the former Morris Canal located within the NJ Transit right of way and what is also referred to as Site 199. The inclusion of Site 199 in this Master Schedule does not commit PPG to the jurisdiction of the JCO for this site.
GA Group Phase 4 Roadways	Carteret Avenue (Jersey City)	Road Closure in Place	6/3/2019	1/15/2020	2/7/2020	June 2020 (See Comments)	August 2021	See Soil Note 8 regarding MGP contamination.  This roadway was not part of NJDEP's March 30, 2017 capillary break determination letter or the NJDEP-approved December 2017 Capillary Break Design Report. Therefore, a separate determination must be made by the Department prior to the Restoration Complete milestone as to the need for a capillary break at this Site.
	Halladay Street North (Jersey City)	Road Closure in Place	1/16/2020	July 2020	September 2020	October 2020	December 2021	During the excavation of Halladay Street North, residual contamination on the western boundary of the Halsted Corporation site will be addressed.  See Soil Note 8 regarding MGP contamination.  This roadway was not part of NJDEP's March 30, 2017 capillary break determination letter or the NJDEP-approved December 2017 Capillary Break Design Report. Therefore, a separate determination must be made by the Department prior to Restoration Complete as to the need for a capillary break at this Site.
	Forrest Street (Jersey City)	See Comments	3/27/2017	8/4/2017	9/1/2017	6/27/2018	10/29/2019 (See Comments)	An RAR Determination letter for AOCs FS-1A, FS-1B, and FS-1C was issued on October 29, 2019. On November 15, 2019, NJDEP issued an RAR Conditional Approval letter. The primary condition to full approval is the written consent or full execution by the City of the Notice in Lieu of Deed Notice for this roadway.  PPG will conduct remedial excavation of the remaining impacts in the roadway in the event the Forrest Street Properties buildings are demolished and the remaining impacted materials become accessible. The timing of building demolition on the Forrest Street Properties is unknown and outside of the scope of this Master Schedule.  See Soil Note 8 regarding MGP contamination. The RAR Determination date excludes MGP-related AOCs.
	Garfield Avenue (Jersey City)	See Comments	(See Comments)	(See Comments)	(See Comments)	(See Comments)	June 2021	In consideration of the numerous utilities located in this roadway and traffic issues, the City, PPG and NJDEP agreed upon a restricted use remedy for this roadway that was incorporated into a RAWP, which calls for, among other things, deferring excavation of shallow impacts until such time as any street widening work or other work by the City that would disrupt the asphalt surface of the roadway. The RAWP was approved by NJDEP on December 18, 2019.  PPG, the City and Hampshire have agreed that a narrow strip of the western boundary of Site 114 (parallel to the eastern boundary of Garfield Avenue), including the "Western Sliver" area, will be subdivided and deeded from the property owner to the City. Establishment of this strip of land as a roadway will mean that remaining chromium impacts in a portion of Site 114 referred to as the "Western Sliver" area will be addressed by the restricted use remedy being used for the balance of Garfield Avenue. Establishment of this strip of land as part of the Garfield Avenue roadway is consistent with the Canal Crossing Redevelopment Plan, which calls for the widening of Garfield Avenue. Submittal of the RAR for Garfield Avenue is on hold pending the land transfer mentioned herein. The RAR Determination milestone assumes that details of the land transfer will be determined by March 2020.

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	Pacific Avenue/ Caven Point Avenue	See Comments	See Comments	See Comments	See Comments	See Comments	June 2021	<p>Hexavalent chromium impacts were discovered in portions of these roadways. PPG submitted an RIR/RAWP for soils in these roadways on December 31, 2019. The remedial alternative proposed in the RAWP for the impacted portions of these roadways consists of engineering controls (existing asphalt cap) and institutional controls (notice in lieu of deed notice).</p> <p>This roadway was not part of NJDEP's March 30, 2017 capillary break determination letter or the NJDEP-approved December 2017 Capillary Break Design Report. A capillary break evaluation was, however, included in the RIR/RAWP referenced above. A capillary break determination will be made as part of NJDEP's review of this submittal.</p>

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**SOILS - NON-GARFIELD AVENUE GROUP SITES**

Group/Phase or Site	Property Description (Owner)	Access/Road Closure Plan	Excavation Start Actual OR Required	Excavation Complete Actual OR Required	Backfill Complete Actual OR Required	Restoration Complete Actual OR Required	RAR Determination	Comments
Site 16	45 Linden Ave. East (Etzion)	Access agreement in place	6/16/2014 (See Comments)	See Comments	See Comments	See Comments	See Comments	PPG completed excavation and backfilling of this property exterior to the buildings in June 2015. PPG and the property owner are in negotiations regarding the remedy for the impacts under the building structure. Therefore, milestones for remediation of such impacts are on hold. Some remediation will be required in the street. That remediation will be performed concurrent with the remediation of the building. PPG will notify the City at least 90 days prior to the date that the street needs to be closed.
Site 63	Baldwin Oil (Nisan 12)	Access agreement in place	4/28/2014	5/19/2015	5/19/2015	6/13/2015	4/27/2017	All CCPW has been excavated and the Site has been restored. A Consent Judgment Compliance Letter with respect to soils CCPW and CCPW-related metals only was issued by NJDEP on January 30, 2018.
Site 65	Burma Road/Morris Pesin Drive (Jersey City)	See Comments	4/28/2014	See Comments	See Comments	See Comments	5/31/2019	PPG, the City, JCMUA and NJDEP entered into a Settlement Agreement dated January 9, 2018 with respect to this site. Pursuant to the Settlement Agreement, the remedy for this site consists of institutional and engineering controls. An RAR Determination/Approval letter was issued on 5/31/19. A Remedial Action Permit application was submitted to NJDEP by PPG on January 8, 2020 and the permit is pending for soils in these roadways.
Site 107	Fashionland (Site 107 – Ancam, LLC, aka EMI)	107 - Access agreement in place	6/13/2018	See Comments	See Comments	See Comments	See Comments	PPG has completed excavation and backfilling of a large portion of this site, with the exception of one area in the northwest corner of the site. PPG and NJDEP are in dispute regarding the path forward for this area. Therefore, milestones for further remediation of this area are on hold.
Conrail Right-of-Way (AOC Adjacent to Site 107 and Site 108)	Conrail Right-of-Way	Access agreement in place	6/13/2018	See Comments	See Comments	See Comments	See Comments	A restricted-use remedy is anticipated for the Conrail property adjacent to Site 107 and Site 108 based on the discovery of CCPW along the limits of excavation established by Conrail to protect the rail infrastructure. As a result, the Conrail property will be addressed as a separate AOC from the remainder of Site 107 and Site 108 soils. Separating the Conrail property into a separate AOC will allow the RAR Determination dates for Site 107 and Site 108 soils to be achieved independent of the Conrail RAR Determination. PPG will submit a Gantt chart by April 2020. Milestones will be established in the next update of the Master Schedule.
Site 108	Albanil Dyestuff (Site 108 - American Self Storage Liberte, LLC)	Access agreement in place; will require amendment	6/13/2018	See Comments	See Comments	See Comments	See Comments	The approved Remedial Investigation Report for Site 108 had indicated that the “hotspot” contaminated area on Site 108 was presumed to have emanated from Site 107, and required that remedial action at Site 108 would be performed as part of the Site 107 remedial action. The extent of impacts at Site 108 was more extensive than had been anticipated. PPG will submit a Gantt chart by April 2020. Milestones will be included in the next update of the Master Schedule.
Site 156	Metro Towers (ALMA)	Access agreement in place	3/18/2013	5/23/2014	5/30/2014	6/30/2014	Soils Area of Concern: 10/12/2018	A Consent Judgment Compliance Letter for CCPW and CCPW-related metals only in soil beyond AOC 3 (Boiler Room) footprint (AOC 1) and CCPW and CCPW-related metals only in groundwater (AOC 2) was issued on June 28, 2019.
							Boiler Room: See Comments	PPG and NJDEP are considering an approach for the boiler room floor that would involve continued regular inspections of the boiler room coupled with a deed restriction. PPG intends to submit a combined RIR/RAWP/RAR in March 2020 for the Boiler Room.
Site 174	Dennis Collins Park (City of Bayonne)	Access agreement in Place (See Comments)	4/8/2013	9/30/2016	9/30/2016	May 2020 (See Comments)	July 2021	In 2016, PPG completed focused excavation, backfilling, and restoration of portions of the Park. On June 6, 2019, PPG and the City of Bayonne entered into a Memorandum of Understanding (MOU) setting forth the parties’ understandings concerning the coordination of the installation of a 2 ft. clean soil cap and other required engineering controls for the remediation of soils with the City’s redevelopment of the Park. In addition, PPG, the City of Bayonne, and Green Acres have negotiated an access agreement that incorporates Green Acres requirements for implementation of the final remedy. PPG commenced the installation of the cap and other required work in January 2020. The PPG work area has been enclosed by fencing and that portion of the Park will remain closed during the work, which is anticipated to be completed in May 2020.
Site 186	Garfield Avenue #1	Access no longer required; Remediation Complete	8/19/2013	11/1/2013	11/1/2013	11/20/2013	4/16/2014	All CCPW has been excavated and the Site restored. A Consent Judgment Compliance Letter for CCPW and CCPW-related metals in soil was issued July 15, 2015.

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**Revision Date: March 5, 2020**

**SOILS – NON-GARFIELD AVENUE SITES**

457 Communipaw	457 Communipaw Right-of-Way (285 Lincoln Avenue, LLC)	See Comments	See Comments	See Comments	See Comments	See Comments	See Comments	During the investigation of this site, it was determined that CCPW impacts exist on 457 Communipaw Avenue (privately owned), but also on several parcels owned by the Jersey City Redevelopment Authority ("JCRA"). A portion of the entrance to Berry Lane Park from Communipaw Avenue has been fully remediated. A site investigation was performed in 2017 at 457 Communipaw Avenue. PPG submitted a PA/SI/RIWP for this property in February 2018. The RI work at this site began in March 2019 and is ongoing. Access agreements with affected property owners have expired and are currently being renegotiated. PPG shall submit an RIR by June 2021 assuming access is obtained by April 2020.
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**(Exhibit 2/3)**

**Revision Date: March 5, 2020**

**GROUNDWATER**

GA GROUP GROUNDWATER MILESTONES							
Group/Phase or Site	Property Description (Owner)	IRM/RI Start	IRM Performance Monitoring Complete	Remedial Investigation Report Submitted	Remedial Action Work Plan Submitted	Remedial Action Report Submitted	Comments
GW IRM Phase I	Site 114 (JCRA/Hampshire)	12/29/2017	See Comments	N/A	N/A	N/A	The IRM was designed to extract ground water from the areas of highest Cr concentration in the northern portion of Site 114 and make use of the treated water to support bio-precipitation in the southern portion of Site 114. For more detail, see "Groundwater Interim Remedial Measure: Phase I Design and Permit-by-Rule Authorization Request" dated June 2017, as amended. The IRM Phase I activities also include active remediation within the shallow zone groundwater to address localized exceedances of the groundwater quality standards. Phase I of the IRM called for approximately one year of active treatment (although it is still in operation) and up to two years of performance monitoring after the Phase I active treatment is complete. The JCO Parties have agreed to ongoing dialogue and collaboration around IRM performance that may result in a revisiting of the post-remediation monitoring timeframes. Quarterly reporting on the progress of the IRM has been provided by PPG.
GW IRM Phase II	Site 114 (JCRA/Hampshire)	May 2020	July 2023	N/A	N/A	N/A	Conceptually, Phase II of the IRM will implement bio-precipitation in the intermediate and upper portion of the deep water-bearing zones, with the same considerations as noted above for Phase I. For more detail, see "Groundwater Interim Remedial Measure: Phase II Design and Permit-by-Rule Authorization Request" dated February 2019. As of January 2020, PPG has installed all of the groundwater injection wells and extraction wells, and has substantially installed piping and other infrastructure needed for the Phase II program. Phase II of the IRM calls for approximately one year (or up to 14 months) of active treatment and up to two years of performance monitoring after the Phase II active treatment is complete. The JCO Parties have agreed to ongoing dialogue and collaboration around IRM performance that may result in a revisiting of the post-remediation monitoring timeframes. PPG will report quarterly on the progress of the IRM.
GW IRM Phase III	South of Carteret (PPG & JCRA)	June 2021	August 2024	N/A	N/A	N/A	Phase III is contingent on PPG Management approval. Conceptually, Phase III of the IRM will address the area south of Carteret Avenue, with the same considerations as noted above for Phase I and Phase II.
GW IRM Phase IV	Other Adjacent Properties	TBD	TBD	N/A	N/A	N/A	Phase IV (if warranted) is contingent on PPG Management approval. Adjacent properties may include but are not limited to roadways adjacent to the GAG Sites (i.e., Forrest Street, Halladay Street, Carteret Avenue and Garfield Avenue), the Forrest Street Properties, the former Halsted Corporation property and the Ten West Apparel property. Other properties/roadways may be identified by the ongoing groundwater remedial investigation. Milestone dates will need to be established at an appropriate point in the future based on information generated by the remedial investigation.
Remedial Investigation	Entire Site Group	N/A	N/A	10/01/2018 (See Comments)	N/A	N/A	The RIR must address shallow, intermediate, deep, and bedrock (if needed) groundwater zones. A draft GW RIR was submitted to NJDEP in October 2018. Review of the draft RIR indicated an uninvestigated area above bedrock that requires delineation. Following numerous technical meetings regarding the October 2018 RIR submittal, on December 6, 2019, NJDEP (through the Independent Technical Consultant) required PPG to install 18 groundwater monitoring wells in the deep water bearing zone in order to complete vertical delineation above bedrock. PPG agreed to commence installation of the referenced 18 wells in March 2020, although PPG and NJDEP are to continue discussions regarding the data to be collected during the installation of the 18 wells. Submittal of data tables, figures, fence diagrams and other data agreed by PPG and NJDEP to be generated during the installation of the wells are to be provided to NJDEP by October 2020.
Remedial Action Work Plan	Entire Site Group	N/A	N/A	N/A	December 2020	N/A	PPG may submit the RAWP in advance of the date presented herein if sufficient information is obtained during IRM Phases I and/or II.
Remedial Action Report	Entire Site Group	N/A	N/A	N/A	N/A	November 2023	Areas with groundwater remediated after submittal of the groundwater RAR can be addressed through addenda to the groundwater RAR.
NON-GA GROUP GROUNDWATER MILESTONES							
Site 16	(see non-GAG Soils table)	N/A	N/A	10/28/2019	TBD	TBD	PPG submitted the draft Groundwater Remedial Investigation Report/Remedial Action Work Plan on April 15, 2019. PPG rescinded the RIR/RAWP and issued an RIR Addendum on 10/28/19.
Site 63	(see non-GAG Soils table)	N/A	N/A	RIR/RAWP Submittal: 5/13/2019 (See Comments)		TBD	The most recent version of the RIR/RAWP was submitted on 1/31/20. RAR Submittal date will be determined once NJDEP approves the RIR/RAWP.
Site 65	(see non-GAG Soils table)	N/A	N/A	See Comments	See Comments		Pursuant to the settlement agreement entered by PPG, the City, JCMUA and NJDEP, any impacted groundwater at Site 65 will be deemed to have emanated from Site 63. Therefore, no action vis-à-vis groundwater is required for Site 65.

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**GROUNDWATER**

Group/Phase or Site	Property Description (Owner)	IRM/RI Start	IRM Performance Monitoring Complete	Remedial Investigation Report Submitted	Remedial Action Work Plan Submitted	Remedial Action Report Submitted	Comments
Site 107, Site 108 and Conrail Right-of-Way	(see non-GAG Soils table)	N/A	N/A	RIR/RAWP Submittal: March 2021		TBD	PPG will revise and resubmit the Groundwater RIWP to NJDEP by April 2020. Assuming NJDEP approval of the RIWP within 7 weeks of submittal and pending access is granted to offsite properties (if needed), PPG will initiate the RI field investigation within 30 days of NJDEP RIWP approval and submit the RIR/RAWP by March 2021.
Site 156	(see non-GAG Soils table)	N/A	N/A	RIR Submittal: 4/16/2018	N/A	None required, See Comments	The GW RIR demonstrated compliance with the GWQS. A Consent Judgment Compliance Letter for the groundwater AOC (AOC 2) was issued on June 28, 2019.
Site 174	(see non-GAG Soils table)	N/A	N/A	RIR/RAWP Submittal: February 2021		TBD	
Site 186	(see non-GAG Soils table)	N/A	N/A	Site 186 Groundwater Remedial Investigation incorporated into GA Group RI		November 2023	Site 186 groundwater investigation/remedial action is considered part of the Garfield Avenue Group groundwater program.



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### **NOTES**

#### **GENERAL NOTES:**

Redevelopment cannot occur until a capillary break determination has been made and capillary break installation (where required) has been completed.

“JCO” means the Partial Consent Judgment Concerning the PPG Sites entered in the matter captioned New Jersey Department of Environmental Protection, et al. v. Honeywell International, Inc., et al. v. City of Jersey City, et al., Superior Court of New Jersey, Chancery Division, Hudson County, Civil Action No. HUD-C-77-05.

“JCO Stakeholders,” for the purpose of this Master Schedule, means PPG, the City of Jersey City, NJDEP and the Site Administrator (Ronald J. Riccio).

“Consent Judgment Compliance Letter” means a letter issued by the Department pursuant to the 2011 Consent Judgment. The Consent Judgment Compliance Letter is the Department’s equivalent of a No Further Action letter that is issued after all appropriate remediation documents have been finalized, an RAR Determination has been made, and after the issuance by the Department of any required remedial action permits with respect to the applicable media and areas of concern.

“2011 Consent Judgment” means the Consent Judgment in the matter captioned New Jersey Department of Environmental Protection, et al. v. Honeywell International Inc., et al., Docket No C-77-05, Superior Court of New Jersey, Chancery Division, Hudson County (filed September 7, 2011).

“Principals” means, collectively, PPG, NJDEP, the City of Jersey City and the Site Administrator.

#### **SOILS NOTES:**

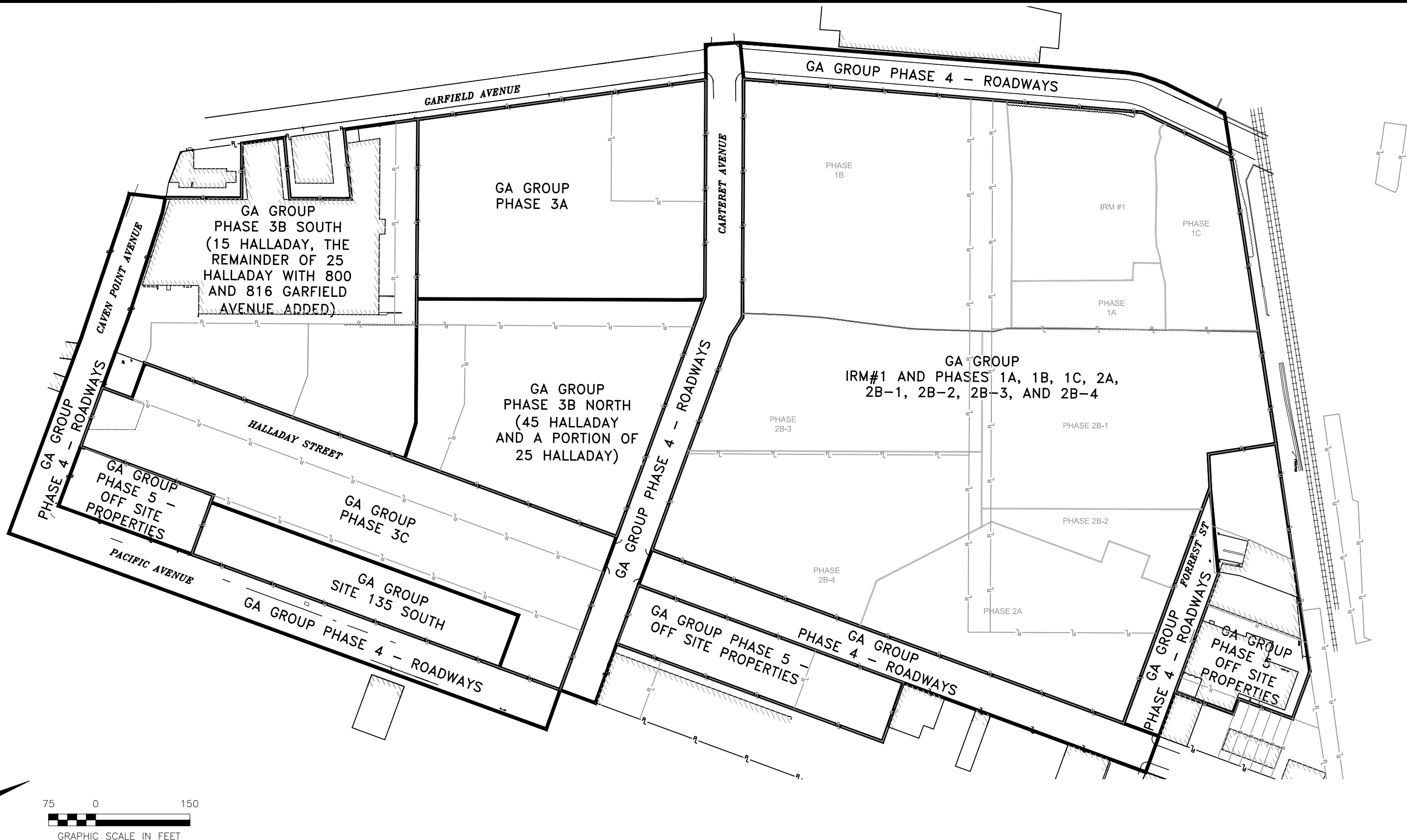
- 1) Green shading indicates that milestones have been attained. Green shading of the comments column indicates that a Consent Judgment Compliance Letter has been issued.
- 2) “Excavation Start” means access has been gained, building demolition and shoring installation, if required, have been completed, there are no known impediments to proceeding with excavation and excavation has actually commenced.
- 3) For Garfield Avenue Group Sites, “Backfill Complete” means backfill is brought to elevations approved by NJDEP.
- 4) For the purpose of this Master Schedule, “restoration” is defined as final remediation grading in accordance with an NJDEP-approved Restoration Technical Execution Plan or other NJDEP-approved document identifying restoration requirements, and a capillary break has been installed if required. In-kind replacement of existing infrastructure (i.e., pavement and utilities) is covered under the PPG/Jersey City Infrastructure Settlement Agreement, which has been agreed to by all Parties.
- 5) Restoration within specific areas under/around infrastructure necessary to support on-going remediation may be delayed if such a delay is acceptable to the Department and property owners.
- 6) For the purpose of this Master Schedule, “RAR Determination” means that the Department has determined whether the Remedial Action Report (“RAR”) meets the requirements of applicable Department regulations and guidance. The Department will make this determination assuming: (i) the RAR Figures/Tables have been submitted by PPG and reviewed/approved by the Department prior to complete RAR submittal, and (ii) the initial submittal of the complete RAR (i.e., text plus figures, tables and other Department-required information) is received 26 weeks prior to the RAR Determination milestone. (The referenced 26 week time period assumes 12 weeks for the Department/Weston and the City of Jersey City to provide comments to the initial complete RAR submittal, 7 weeks thereafter for PPG to review and incorporate such comments and submit the final version of the full RAR, and 7 weeks thereafter for the Department to make the RAR Determination).
- 7) This version of the Master Schedule has combined “Exhibit 2” and “Exhibit 3” from the version of the Master Schedule dated October 13, 2015. The term Exhibits 2/3 is used here because prior orders entered by the court in NJDEP, et al. v. Honeywell International, Inc., et al. reference those exhibits as exhibits to the Master Schedule, which Master Schedule remains in effect as modified by these changes to Exhibits 2 and 3.
- 8) PSE&G will take the lead on MGP AOCs located within and emanating from Site 114 under the Licensed Site Remediation Program (“LSRP”) program. See letter from PPG and PSE&G to Wayne Howitz, NJDEP, dated July 9, 2019 confirming same.

#### **GROUNDWATER NOTES:**

- 1) For purposes of this schedule, the Garfield Avenue Group Access date is assumed to be March 2017 and would continue without interruption although litigation between JCRA and PPG is ongoing for JCRA owned properties.
- 2) “N/A” means not applicable.

**FIGURES 1 and 2 ATTACHED**

Piscataway on uspsw2\fp001\Data\_uspsw2\fp001\Environment(J)  
 User: Amy.Krayer Plotted: Feb 05, 2020 - 1:33pm  
 File: P:\Jobs\Rem\_Eng\Project Files\PPG Industries\Garfield Avenue\30% Design\CADD\MEETING FIGURES\2020-02-05 GAG Vicinity Ref Figure.dwg Layout: FIGURE 1



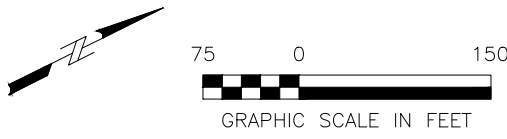
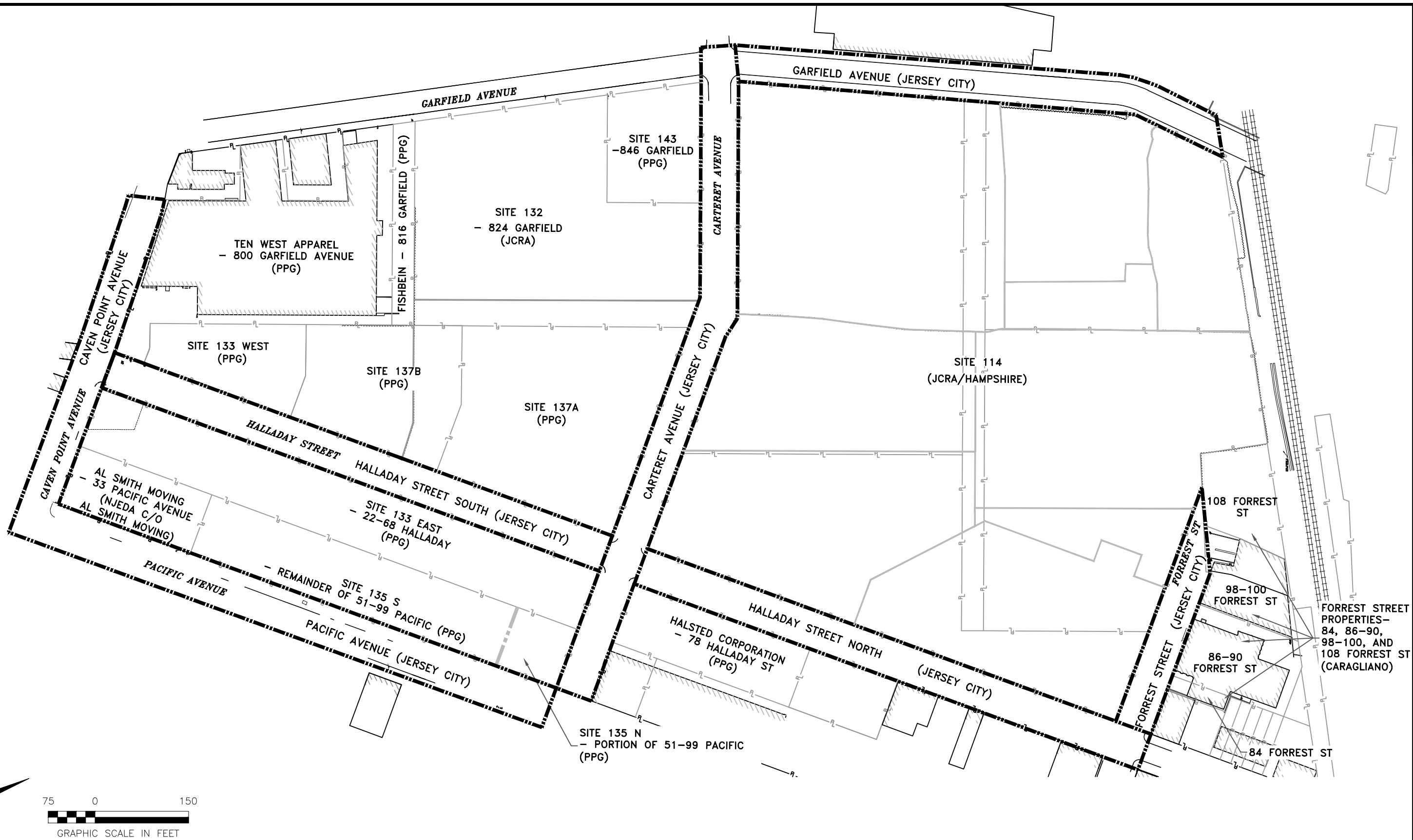
NOTES:

1. FOR OFF SITE PROPERTIES AND ROADWAYS, PROPERTY LINES ARE ESTIMATED BASED ON TAX MAPS. LIMITS ARE INTENDED TO EXTEND TO ACTUAL PROPERTY LINES, TO BE CONFIRMED BY PROFESSIONAL SURVEY PRIOR TO START OF WORK.



PPG GARFIELD AVENUE GROUP JERSEY CITY, NEW JERSEY		GROUP/PHASE OR SITE PLAN
DATE: 02/05/2020	DRWN: DCB	FIGURE 1

Piscataway on uspsw2\fp001\Data\_uspsw2\fp001\Environment(J)  
 User: Amy.Krayer Plotted: Feb 05, 2020 - 2:12pm  
 File: P:\Jobs\Rem\_Eng\Project Files\PPG Industries\Garfield Avenue\30% Design\CADD\MEETING FIGURES\2020-02-05 GAG Vicinity Ref Figure 2.dwg Layout: FIGURE 2



**LEGEND**  
 SITE DESCRIPTION  
 - ADDRESS  
 (OWNER)

**NOTES:**  
 1. FOR OFF SITE PROPERTIES AND ROADWAYS, PROPERTY LINES ARE ESTIMATED BASED ON TAX MAPS. LIMITS ARE INTENDED TO EXTEND TO ACTUAL PROPERTY LINES, TO BE CONFIRMED BY PROFESSIONAL SURVEY PRIOR TO START OF WORK.

PPG GARFIELD AVENUE GROUP JERSEY CITY, NEW JERSEY		<b>PROPERTY DESCRIPTION (OWNER)          PLAN</b>
DATE: 02/05/2020	DRWN: DCB	<b>FIGURE 2</b>

