

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

**(Exhibit 2/3)**

**Revision Date: January 29, 2021**

**(See General Note 2 re Potential COVID-19 Impacts on the Milestones set forth in this Master Schedule)**

**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>RAR Determination/RAR Conditional Approval letters were issued by the New Jersey Department of Environmental Protection ("NJDEP") on October 31, 2019 and a final RAR Approval Letter was issued on December 5, 2019 and a Consent Judgment Compliance Letter (as defined in the General Notes attached to this Master Schedule) (Restricted Use - Soil) was issued on June 1, 2020 for chromate chemical production waste ("CCPW"), CCPW-related metals, 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. As part of the approved remedy for Site 114 soils, deed notices were recorded in December 2019 with respect to all parcels constituting Site 114 and soil remedial action permits were issued on February 7, 2020. All of the referenced approvals exclude manufactured gas plant ("MGP") related contaminants, which are being managed by PSE&amp;G under NJDEP's Licensed Site Remediation Professional program. See Soil Note 8 attached to this Master Schedule regarding MGP contamination.</p> <p>The referenced approvals also exclude AOC 114-1B (CCPW-impacted soils in portions of Grids A5B, A6B, A7B, and B7B within the Western Sliver). The City of Jersey City Planning Board approved the subdivision of a narrow strip of the western boundary of Site 114 (parallel to the eastern boundary of Garfield Avenue), including the "Western Sliver" area. The title holder of this strip of land will transfer it to the City and it will become part of the Garfield Avenue roadway. The Remedial Action Report for Garfield Avenue will include AOC 114-1B. 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> <p>Pursuant to the MOU and the First Consent Order described in General Note 4 to this Master Schedule, the media, contaminants and AOCs referenced in the First Consent Order for Site 114 were removed from jurisdiction pursuant to the JCO and the 2011 Consent Judgment and transitioned to the LSRP Program to implement the requirements of the Soil Remedial Action Permit.</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 was issued on June 27, 2019 and a Consent Judgment Compliance Letter (Unrestricted Use for CCPW and CCPW-related metals) was issued on November 1, 2019 for AOC 132-1. Pursuant to the MOU and the First Consent Order described in General Note 4 to this Master Schedule, the media, contaminants and AOCs referenced in the First Consent Order for Site 132 were removed from jurisdiction pursuant to the JCO and the 2011 Consent Judgment.
	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 was issued on September 30, 2019 and a Consent Judgment Compliance Letter (Unrestricted Use for CCPW and CCPW-related metals) was issued on June 26, 2020 for AOC 143-1. Pursuant to the MOU and the First Consent Order described in General Note 4 to this Master Schedule, the media, contaminants and AOCs referenced in the First Consent Order for Site 143 were removed from jurisdiction pursuant to the JCO and the 2011 Consent Judgment.
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 was issued on September 30, 2019 and a Consent Judgment Compliance Letter (Unrestricted Use for CCPW and CCPW-related metals) was issued on June 26, 2020 for AOC 137-1A. See Soil Note 8 regarding MGP contamination. The referenced approvals exclude MGP-related AOCs (AOC 137-2A). Pursuant to the MOU and the First Consent Order described in General Note 4 to this Master Schedule, the media, contaminants and AOCs referenced in the First Consent Order for Site 137 North were removed from jurisdiction pursuant to the JCO and the 2011 Consent Judgment.
GA Group Phase 3B South (15 Halladay, the remainder of 25 Halladay with 800 and 816 Garfield)	Site 133 West (PPG) and Site 137 South (PPG)	PPG Owned	8/29/2018 (See Comments)	November 2021	December 2021	February 2022	April 2023	<p>PPG has excavated a portion of these Sites. The remaining portions of the planned excavations at these Sites were deferred until Ten West Apparel ("Ten West") vacated 800 Garfield Avenue, which occurred in October 2020. Subject to scheduling electric, gas and water disconnects with the utility companies, which has delayed demolition of the building at 800 Garfield Avenue, PPG anticipates commencing the remaining portions of the planned excavations in April 2021.</p> <p>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.</p>

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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
Avenue added)	Fishbein (816 Garfield Avenue) (PPG)	PPG Owned	April 2021	November 2021	December 2021	February 2022	April 2023	Excavation at these Sites was deferred until Ten West vacated 800 Garfield Avenue, which occurred in October 2020. Subject to scheduling electric, gas and water disconnects with the utility companies, which has delayed demolition of the building at 800 Garfield Avenue, PPG anticipates commencing the remaining portions of the planned excavations in April 2021.  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.
	Ten West Apparel (800 Garfield Avenue) (PPG)	PPG Owned						
GA Group Phase 3C	Halladay Street South (AOC HSS-1A) (Jersey City)	Road Closure In Place	4/21/2015	10/22/2015	7/29/2016	1/31/2018	5/2/2019	All CCPW has been excavated at the AOC HSS-1A portion of the Site and that portion of 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 and a Consent Judgment Compliance Letter (Unrestricted Use for CCPW and CCPW-related metals) was issued on June 30, 2020 for AOC HSS-1A. See Soil Note 8 regarding MGP contamination. The referenced approvals exclude MGP-related AOCs. Pursuant to the MOU and the First Consent Order described in General Note 4 to this Master Schedule, the media, contaminants and AOCs referenced in the First Consent Order for Halladay Street South were removed from jurisdiction pursuant to the JCO and the 2011 Consent Judgment.
	Halladay Street South (AOC HSS-1B) (Jersey City)	Road Closure In Place	April 2021	November 2021	December 2021	February 2022	April 2023	Grids in Halladay Street South adjacent to Ten West (Grid Columns 42A through 47A and partial Grid P41A) that constitute AOC HSS-1B will be excavated, backfilled, and restored in connection with the Phase 3B South remediation activities. The established milestones for AOC HSS-1B are consistent with the Phase 3B South Master Schedule milestones and comments above.
	Site 133 East (22-68 Halladay)(AOC 133E-1A) (PPG)	PPG Owned	4/21/2015	10/22/2015 (See Comments)	7/29/2016 (See Comments)	1/31/2018 (See comments)	10/11/2019	All CCPW has been excavated at the AOC 133E-1A portion of the Site and that portion of the Site has been restored. An RAR Determination/Approval letter for Site 133 East AOC 133E-1A was issued on October 11, 2019 and a Consent Judgment Compliance Letter (Unrestricted Use for CCPW and CCPW-related metals) was issued on March 24, 2020 for AOC 133E-1A. See Soil Note 8 regarding MGP contamination. The referenced approvals exclude MGP-related AOCs (AOC 133E-2A). Pursuant to the MOU and the First Consent Order described in General Note 4 to this Master Schedule, the media, contaminants and AOCs referenced in the First Consent Order for Site 133 East were removed from jurisdiction pursuant to the JCO and the 2011 Consent Judgment.
	Site 133 East (22-68 Halladay) (AOC 133E-1B) (PPG)	PPG Owned	April 2021	November 2021	December 2021	February 2022	April 2023	Grids in Site 133 East adjacent to Halladay Street South (Grid Rows P through R plus Grids S43A and S44A) that constitute AOC 133E-1B will be excavated, backfilled, and restored in connection with the Phase 3B South remediation activities. The established milestones for AOC 133E-1B are consistent with the Phase 3B South Master Schedule milestones and comments above.
	Site 135 North (Portion of 51-99 Pacific) (PPG)	PPG Owned	2/23/2016	5/25/2016	7/29/2016	1/31/2018	10/11/2019	All CCPW has been excavated and the Site has been restored. An RAR Determination/Approval letter for Site 135 AOC 135-1 was issued on October 11, 2019. Antimony (a CCPW-related metal) associated with re-used fill materials remains at concentrations greater than the Residential Direct Contact Soil Remediation Standards and will be addressed by an engineering control (Clean Fill Soil Cap) and institutional control (deed notice). As part of the approved remedy for soils at this Site, a deed notice was recorded in June 2020 and a soil remedial action permit was issued on November 11, 2020. A Consent Judgment Compliance Letter (Restricted Use) was issued on January 15, 2021 for CCPW and CCPW-related metals for AOC-1 covering Site 135 North and Site 135 South. Pursuant to the MOU described in General Note 4 to this Master Schedule, the media, contaminants and AOCs referenced in the January 15, 2021 Consent Judgment Compliance Letter for Site 135 are removed from jurisdiction pursuant to the JCO and the 2011 Consent Judgment and were transitioned to the LSRP Program to implement the requirements of the Soil Remedial Action Permit.

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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 Site 135 South	Site 135 South (Remainder of 51-99 Pacific) (PPG)	PPG Owned	3/16/2016	8/23/2016	12/29/2016	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. Antimony (a CCPW-related metal) associated with re-used fill materials remains at concentrations greater than the Residential Direct Contact Soil Remediation Standards and will be addressed by an engineering control (Clean Fill Soil Cap) and institutional control (deed notice). As part of the approved remedy for soils at this Site, a deed notice was recorded in June 2020 and a soil remedial action permit was issued on November 11, 2020. A Consent Judgment Compliance Letter (Restricted Use) was issued on January 15, 2021 for CCPW and CCPW-related metals for AOC-1 covering Site 135 North and Site 135 South. Pursuant to the MOU described in General Note 4 to this Master Schedule, the media, contaminants and AOCs referenced in the January 15, 2021 Consent Judgment Compliance Letter for Site 135 are removed from jurisdiction pursuant to the JCO and the 2011 Consent Judgment and were transitioned to the LSRP Program to implement the requirements of the Soil Remedial Action Permit.	
GA Group Phase 5 Off Site Properties	Halsted Corporation (78 Halladay St) (PPG)	PPG Owned	5/7/2018	8/10/2018 (See Comments)	8/24/2018 (See Comments)	February 2021	December 2021	Excavation and backfilling of this site have been completed with the exception of residual chromium-impacted soils along the eastern boundary of the site, which will remain in order to protect building structures located on adjacent properties. These impacts will 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. The restoration complete milestone assumes that PPG will submit the capillary break evaluation with all other supporting documentation by January 2021.	
	Forrest Street Properties 108 Forrest St (Caragliano)	Owner is renegotiating Access Agreement	3/27/2017	7/19/2017	8/9/2017	5/2/2018	10/29/2019	PPG, NJDEP and the property owner reached agreement regarding a remedial approach for 108 Forrest Street that called for the excavation and backfilling of impacted soils for the majority of the property exterior to the 100 Forrest Street building, and a restricted use remedy adjacent to the 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.	
	Forrest Street Properties 84, 86-90, and 98-100 Forrest St (Caragliano)	Owner is Renegotiating Access Agreement	See Comments	See Comments	See Comments	See Comments	See Comments	October 2022	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. Current-use remedial action implementation is expected to be completed by July 2021. 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.
	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 (Unrestricted Use for CCPW and CCPW-related metals) was issued on October 11, 2019 for AOC ASM-1. Pursuant to the MOU and the First Consent Order described in General Note 4 to this Master Schedule, the media, contaminants and AOCs referenced in the First Consent Order for Al Smith Moving were removed from jurisdiction pursuant to the JCO and the 2011 Consent Judgment.	

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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
	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	12/16/2020	September 2021	See Soil Note 8 regarding MGP contamination. The Restoration Complete milestone was administratively completed on December 16, 2020 when NJDEP accepted the capillary break determination for Carteret Avenue as presented in the Capillary Break Design Report Addendum.
	Halladay Street North (Jersey City)	Road Closure in Place	1/16/2020	4/2/2020	4/10/2020	February 2021	December 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 Restoration Complete as to the need for a capillary break at this Site. The restoration complete milestone assumes that PPG will submit the capillary break evaluation in approvable form with all other supporting documentation by January 2021.
	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 and on November 11, 2020, NJDEP issued an RAR Approval letter for the restricted use remedy proposed for this Site. Notice in Lieu of Deed Notice notifications were distributed on January 25, 2021. PPG will apply to NJDEP for a Soil Remedial Action Permit in February 2021. PPG will conduct remedial excavation of impacts that remain in the roadway in the event the Forrest Street Properties buildings are demolished and the remaining impacted materials become accessible, consistent with the RAWP approved by NJDEP on February 19, 2020. 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.
	Garfield Avenue (Jersey City)	See Comments	See Comments	See Comments	See Comments	See Comments	February 2022	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. The City of Jersey City Planning Board approved the subdivision of a narrow strip of the western boundary of Site 114 (parallel to the eastern boundary of Garfield Avenue), including the "Western Sliver" area (AOC 114-1B, where limited CCPW-impacts currently remain). The title holder of this strip of land has transferred it to the City thereby making it a part of the Garfield Avenue roadway. The Remedial Action Report for Garfield Avenue will include AOC 114-1B. 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 RAWP for the current use scenario; the RAWP calls for a capillary break reassessment as part of any roadway modifications in connection with the Canal Crossing Redevelopment.
	Pacific Avenue/Caven Point Avenue	See Comments	See Comments	See Comments	See Comments	See Comments	See Comments	November 2022



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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. On August 13, 2020, NJDEP issued a RAR Determination Letter for exterior soil. 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 (Unrestricted Use) with respect to soils CCPW and CCPW-related metals only was issued by NJDEP on January 30, 2018. Pursuant to the MOU and First Consent Order described in General Note 4 to this Master Schedule, the media, contaminants and AOCs referenced in the First Consent Order for Site 63 were removed from jurisdiction pursuant to the JCO and the 2011 Consent Judgment.
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 Soil Remedial Action Permit was issued on March 9, 2020 and a Consent Judgment Compliance Letter (Restricted Use for CCPW and CCPW-related metals) was issued on April 6, 2020. Pursuant to the MOU and First Consent Order described in General Note 4 to this Master Schedule, the media, contaminants and AOCs referenced in the First Consent Order for Site 65 were removed from jurisdiction pursuant to the JCO and the 2011 Consent Judgment and transitioned to the LSRP Program to implement the requirements of the Soil Remedial Action Permit.
Site 107	Fashionland (Ancam, LLC, aka EMI)	Access agreement in place	6/13/2018	March 2021	March 2021	March 2021	August 2021 (Majority Site RAR); February 2022 (MSA RAR)	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 (referred to as the "MSA"). A sampling plan for the MSA was approved by NJDEP on November 24, 2020. The established milestones are intended to accommodate the time needed to excavate, backfill and restore the MSA and any remaining portions of the site proper. The backfill complete and restoration complete milestones are contingent upon resolution of final grades with the property owner.
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	October 2021	The RAR Determination milestone assumes that a restricted use remedy will be implemented. PPG anticipates submitting the draft RAWP/RAR to NJDEP in March 2021. Coordination with the property owner is on-going.
Site 108	Albanil Dyestuff (Jersey City Logistics, LLC)	Access agreement in place; will require amendment	6/13/2018	See Comments	See Comments	See Comments	October 2021	The RAR Determination milestone assumes that a restricted use remedy will be implemented. PPG anticipates submitting the draft RAWP/RAR to NJDEP in March 2021. Coordination with the property owner is on-going.
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 (Unrestricted Use) for CCPW and CCPW-related metals only in soil beyond AOC 3 (Boiler Room) footprint (AOC 1) was issued on June 28, 2019. Pursuant to the MOU and First Consent Order described in General Note 4 to this Master Schedule, the media, contaminants and AOCs referenced in the First Consent Order for Site 156 were removed from jurisdiction pursuant to the JCO and the 2011 Consent Judgment.
							Boiler Room: October 2020	On October 30, 2020, NJDEP approved an RIR/RAWP/RAR for the Boiler Room. The proposed remedy for the boiler room involves continued regular inspections by PPG under a Remedial Action Permit, coupled with a deed restriction. PPG anticipates submitting the Remedial Action Permit application to NJDEP in May 2021, assuming the owner signs the deed notice in February 2021.

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Site 174	Dennis Collins Park (City of Bayonne)	Access agreement in Place (See Comments)	4/8/2013	9/30/2016	9/30/2016	April 2021	March 2022 (See Comments)	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 entered into an access agreement that incorporates Green Acres requirements for implementation of the final remedy.  PPG anticipates completing the capping of the majority of the Site by February 2021. The only other work required at this Site is the excavation of chromium impacts along a portion of revetment adjacent to the Kill Van Kull. PPG anticipates completing that work by April, 2021, although the schedule could be impacted by permit reviews, favorable tides and a constructability review of the proposed remedy.
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 (Unrestricted Use; Entire Site) for CCPW and CCPW-related metals in soil was issued July 15, 2015. Pursuant to the MOU and First Consent Order described in General Note 4 to this Master Schedule, the media, contaminants and AOCs referenced in the First Consent Order for Site 186 were removed from jurisdiction pursuant to the JCO and 2011 Consent Judgment.
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. PPG anticipates submitting an RIR/RAWP/Deed Notice by May 2021, contingent upon completion of delineation sampling in February 2021 and property owner concurrence on the Deed Notice.

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**GROUNDWATER**

<b>GA GROUP GROUNDWATER MILESTONES</b>							
<b>Group/Phase or Site</b>	<b>Property Description (Owner)</b>	<b>IRM/RI Start</b>	<b>IRM Performance Monitoring Complete</b>	<b>Remedial Investigation Report Submitted</b>	<b>Remedial Action Work Plan Submitted</b>	<b>Remedial Action Report Submitted</b>	<b>Comments</b>
GW IRM Phase I	Site 114 (JCRA/Hampshire)	12/29/2017	See Comments	N/A	N/A	N/A	The Phase I IRM system 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 included 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 and up to two years of performance monitoring after the Phase I active treatment is complete. The Phase I IRM System operated from December 2017 until April 2020. The JCO Parties have agreed to ongoing dialogue and collaboration around IRM performance monitoring 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)	October 2020 (See Comments)	See Comments	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 in the northwest and southeast portions of Site 114, 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. PPG commenced operation of the Phase II IRM in the northwest portion of Site 114 in October 2020. 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.  While PPG commenced operation of the Phase II IRM in the northwest portion of Site 114 in October 2020, PPG was unable to commence extraction and injection operations in the southeast portion of Site 114 in October 2020 resulting from the presence in its proposed extraction and injection wells of dense non-aqueous phase liquid ("DNAPL") associated with PSE&G's former manufactured gas plant (MGP) operations. PPG therefore postponed implementation of the IRM Phase II work in the southeast portion. On January 19, 2021, PPG submitted to NJDEP a request to modify the Groundwater Interim Remedial Measure (IRM) Phase II Design Permit-by-Rule (PBR) that was approved by NJDEP on May 9, 2019 setting forth a plan to address the DNAPL and chromium impacts in the southeast portion of Site 114 given the presence of the DNAPL in its proposed well network. The PBR modification was approved by NJDEP on January 21, 2021.
GW IRM Phase III	North, South and East of Site 114 (Various)	November 2021	See Comments	N/A	N/A	N/A	Conceptually, Phase III of the IRM will address the areas north, south and east of Site 114, with the same considerations as noted above for Phase I and Phase II. (See PPG's Draft Technical Memorandum – Remediation Strategy for CCPW in Groundwater dated August 20, 2020). PPG anticipates submittal of a Permit by Rule application in March 2021
Remedial Investigation	Entire Site Group	N/A	N/A	March 2021	N/A	N/A	A draft GW RIR was submitted to NJDEP in October 2018. Since that time additional investigation has been conducted and a revised RIR is anticipated to be submitted in March 2021. An RIR specific to bedrock may be provided as an RIR addendum subsequent to the RIR being provided in March 2021.
Remedial Action Work Plan	Entire Site Group	N/A	N/A	N/A	March 2021	N/A	NJDEP has stated that the RAWP shall include an approach for achieving a site-wide active remedial goal of 1,000 ug/l for hexavalent chromium prior to transitioning from active remediation to a monitored natural attenuation remedy. PPG disagrees with NJDEP's suggested goal of 1,000 ug/l and will present additional lines of evidence in the RAWP.
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.
<b>NON-GA GROUP GROUNDWATER MILESTONES</b>							
Site 16	(see non-GAG Soils table)	N/A	N/A	10/28/2019	TBD	TBD	PPG rescinded a previously submitted groundwater RIR/RAWP and issued an RIR Addendum on 10/28/19. The most recent revision to the RIR Addendum was submitted by PPG on 6/9/20. The RIR Addendum was approved by letter from NJDEP dated August 13, 2020. PPG anticipates submittal of a RAWP for Groundwater following resolution with the property owner of soil impacts under the building structure.
Site 63	(see non-GAG Soils table)	N/A	N/A	RIR/RAWP Submittal: 5/13/2019		TBD	The most recent version of the RIR/RAWP was submitted on 1/31/20, NJDEP provided comments to that submittal on 4/24/20. PPG and NJDEP are discussing the capillary break evaluation for the site; these discussions are pending access to resample an off-site well. Upon resolution of the capillary break issue, PPG will revise/resubmit the RIR/RAWP. The RAR Submittal date will be determined once NJDEP approves the RIR/RAWP.

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

**(Exhibit 2/3)**

**Revision Date: January 29, 2021**

**(See General Note 2 re Potential COVID-19 Impacts on the Milestones set forth in this Master Schedule)**

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, impacted groundwater at Site 65 has been deemed to have emanated from Site 63. Therefore, no action vis-à-vis groundwater is required for Site 65. NJDEP issued a Consent Judgment Compliance Letter (Unrestricted Use for CCPW and CCPW-related metals) dated April 6, 2020 for groundwater at Site 65. Pursuant to the MOU and First Consent Order described in General Note 4 to this Master Schedule, the groundwater media, contaminants and AOCs referenced in the First Consent Order for Site 65 were removed from the jurisdiction of the JCO and the 2011 Consent Judgment.
Site 107, Site 108 and Conrail Right-of-Way	(see non-GAG Soils table)	N/A	N/A	RIR/RAWP Submittal: November 2021		TBD	RIR/RAWP Submittal assumes groundwater field work commences in April 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. Pursuant to the MOU and First Consent Order described in General Note 4 to this Master Schedule, the groundwater media, contaminants and AOCs referenced in the First Consent Order for Site 156 were removed from the jurisdiction of the JCO and the 2011 Consent Judgment.
Site 174	(see non-GAG Soils table)	N/A	N/A	RIR/RAWP Submittal: November 2021		TBD	RIR/RAWP Submittal assumes installation of the groundwater monitoring well approved by NJDEP commences in May 2021.
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.



**Master Schedule for the NJ PPG Chrome Remediation Sites**  
**(Exhibit 2/3)**  
**Revision Date: January 29, 2021**

**NOTES**

**GENERAL NOTES:**

- 1) Redevelopment cannot occur until a capillary break determination has been made and capillary break installation (where required) has been completed.
- 2) Commencing on or about April 10, 2020, all field work was suspended at the PPG Chrome Remediation Sites as a result of the COVID-19 pandemic. Limited field activities restarted on June 15, 2020. As of the date of this Master Schedule, the Principals continue to monitor COVID-19 incident rates and other criteria. The milestones set forth in this Master Schedule may be affected by safety and health considerations relative to the COVID-19 pandemic.
- 3) Defined Terms:

“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).*

“LSRP” means Licensed Site Remediation Professional.

“Principals” means, collectively, PPG, NJDEP, the City of Jersey City and the Site Administrator.
- 4) PPG, NJDEP and the City of Jersey City entered into (and the Site Administrator acknowledged and accepted) that certain Memorandum of Understanding dated as of September 22, 2020 establishing detailed procedures for the removal of PPG sites, portions of sites or media from jurisdiction pursuant to the JCO and the 2011 Consent Judgment and, in certain instances, transitioning same to the LSRP Program (the “MOU”). On October 22, 2020, the Superior Court of New Jersey entered the First Consent Order Transitioning Certain PPG Sites, Portions of Sites or Media to LSRP Program (the “First Consent Order”). The First Consent Order included an Exhibit A that identified the sites, portions of sites or media that were being removed from jurisdiction pursuant to the JCO and the 2011 Consent Judgment and, in certain instances, transitioned to the LSRP Program.

**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 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.

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

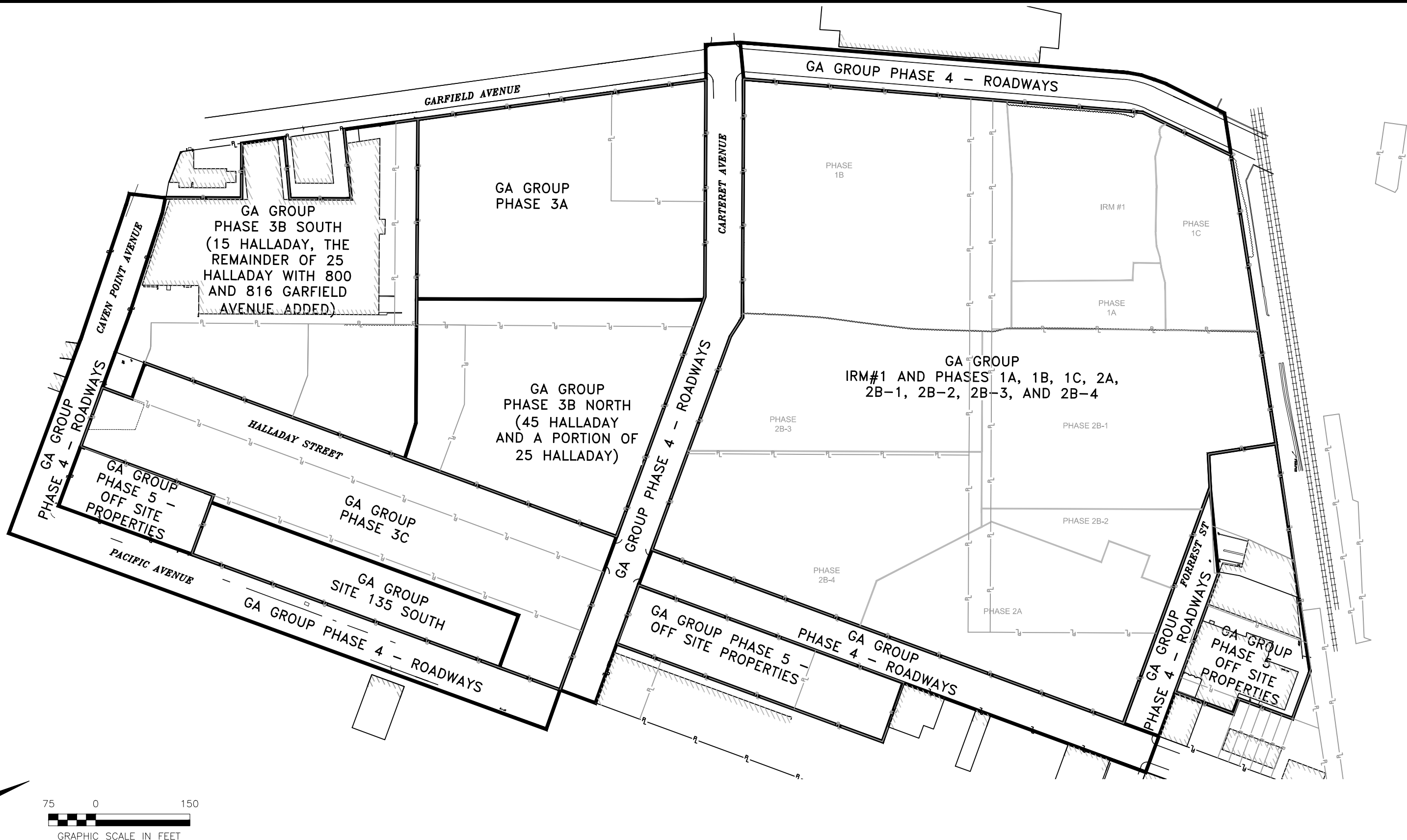
**(Exhibit 2/3)**

**Revision Date: January 29, 2021**

**(See General Note 2 re Potential COVID-19 Impacts on the Milestones set forth in this Master Schedule)**

**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



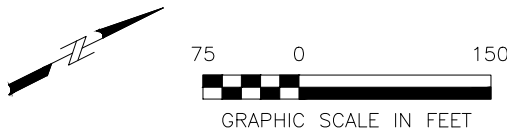
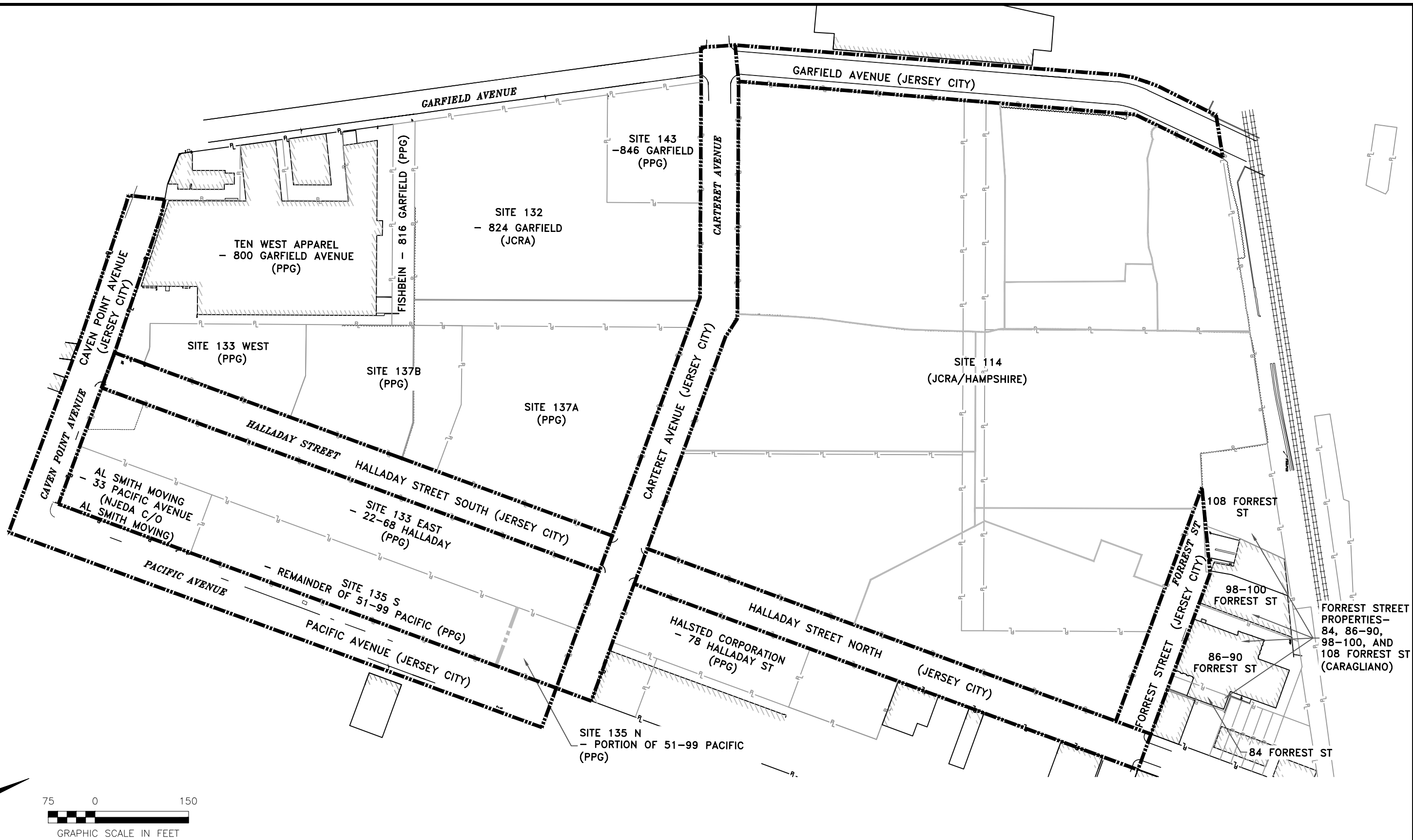
NOTES:

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>

