

**Master Schedule for the NJ PPG Chrome Remediation Sites
(Exhibit 2/3)
Rev. Date: July 29, 2016**

SOILS - GARFIELD AVENUE SITES

Group/Phase or Site (See Figure 1 dated as of 7/19/16)	Property Description (Owner) (See Figure 2 dated as of 7/19/16)	Access/Road Closure Plan	Ready for Excavation Actual OR Required	Excavation Start Actual OR Required	Excavation Complete Actual OR Required	Backfill Complete Actual OR Required	Restoration Complete Actual OR Required	RAR Determination (See Notes)	Comments
GA Group IRM#1 and Phases 1A, 1B, 1C, 2A, 2B-1, 2B-2, 2B-3, and 2B-4	Site 114 (JCRA /Hampshire)	See Comments	12/31/2013	12/31/2013	11/24/2014	1/21/2015	October 2017	November 2018	Site 114 is the subject of pending litigation between PPG, Hampshire, JCRA and the City, but the Court issued an Order granting PPG access to conduct remediation work at this site. Any remaining issues are the subject of mediation between the mediating parties. If the mediation is unsuccessful, the litigation may again become active. Restoration to be implemented upon direction of NJDEP following the completion of all of the following activities related to the Capillary Rise Study: completion of test cell observations for Fall 2015, Winter 2016, Spring 2016, and Summer 2016, at a minimum; Capillary Rise Study Report to be submitted to NJDEP by December 31, 2016; NJDEP makes determination of capillary break methodology by March 31, 2017.
GA Group Phase 3A	Site 132 (824 Garfield) (JCRA)	See Comments	3/4/2014	3/4/2014	9/5/2014	5/15/2015	October 2017	November 2018	Site 132 is the subject of pending litigation between PPG, Hampshire, JCRA and the City, but the Court issued an Order granting PPG access to conduct remediation work at this site. Any remaining issues are the subject of mediation between the mediating parties. If the mediation is unsuccessful, the litigation may again become active.
	Site 143 (846 Garfield) (PPG)	PPG Owned							Restoration to be implemented upon direction of NJDEP following the completion of all of the following activities related to the Capillary Rise Study: completion of test cell observations for Fall 2015, Winter 2016, Spring 2016, and Summer 2016, at a minimum; Capillary Rise Study Report to be submitted to NJDEP by December 31, 2016; NJDEP makes determination of capillary break methodology by March 31, 2017.
GA Group Phase 3B-N (45 Halladay and a portion of 25 Halladay)	A portion of Site 137 (PPG)	PPG Owned	4/16/2014	7/9/2014	5/15/2015	8/3/2015	October 2017	November 2018	A portion of Site 137 was not able to be remediated because of its proximity to the Ten West Apparel Building, and is now considered part of Phase 3B-S under this Master Schedule. Restoration to be implemented upon direction of NJDEP following the completion of all of the following activities related to the Capillary Rise Study: completion of test cell observations for Fall 2015, Winter 2016, Spring 2016, and Summer 2016, at a minimum; Capillary Rise Study Report to be submitted to NJDEP by December 31, 2016; NJDEP makes determination of capillary break methodology by March 31, 2017.

Notes:

- 1) "Ready for Excavation" means access has been gained, building demolition and shoring installation, if required, have been completed, and there are no known impediments to prevent completion of excavation.
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- 3) Green shading indicates that milestones have been attained.
- 4) For Garfield Avenue Group Sites, "Backfill Complete" means backfill is brought to the "pre-capillary break installation" grade of elevation ±11 feet NAVD 88, unless all the Parties agree to an alternate elevation.
- 5) For the purpose of this Master Schedule, "restoration" is defined as capillary break installation and final remediation grading. In-kind replacement of existing infrastructure and/or improvements removed to implement the remedy for the GAG Sites is the subject of pending mediation between the City and PPG.
- 6) 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.
- 7) For the purpose of this Master Schedule, "RAR Determination" means that the Department will determine whether the Remedial Action Report (RAR) meets the requirements of applicable Department regulations and guidance. The Department will determine whether the milestone identified in the Exhibit is achieved assuming a complete RAR is received 7 weeks prior to the milestone and the RAR Figures/Tables have been submitted by PPG and reviewed/approved by the Department prior to full RAR submittal. A Draft Consent Judgment Compliance Letter will typically be issued by the Department within 30 business days of the issuance of an RAR approval.
- 8) This version of the Master Schedule has combined "Exhibit 2" and "Exhibit 3" from the last 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.
- 9) NJ Transit Right-of-Way (ROW): CCPW located beneath this ROW will be addressed concurrent with Site 199, as part of remediation requirements specified in the 2011 Consent Order (Orphan Sites Agreement).

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GA Group Phase 3B-S (15 Halladay the remainder of 25 Halladay with 800 and 816 Garfield Avenue added)	Site 133 West (PPG) and the remainder of Site 137 (PPG)	PPG Owned	8 Months After Access is Obtained	8 Months After Access is Obtained	7 Months After Excavation Start	2 Months After Excavation Complete	3 Months After Backfill Complete	13 Months After Restoration Complete	Access litigation against Ten West Apparel was filed by PPG on September 10, 2015. Litigation pending. Resolution of the access dispute with Ten West Apparel is required in order to continue work at Site 133 West, remainder of Site 137 and the Fishbein property. This Group/Phase also includes remediation of portions of Halladay Street and Site 133 East (adjacent to Caven Point Avenue) used for access to the Ten West Apparel warehouse. Restoration to be implemented upon direction of NJDEP following the completion of all of the following activities related to the Capillary Rise Study: completion of test cell observations for Fall 2015, Winter 2016, Spring 2016, and Summer 2016, at a minimum; Capillary Rise Study Report to be submitted to NJDEP by December 31, 2016; NJDEP makes determination of capillary break methodology by March 31, 2017.
	Fishbein (816 Garfield Avenue) (PPG)	PPG Owned							
	Ten West Apparel (800 Garfield Avenue) (Gadeh)	In litigation (See Comments)							
GA Group Phase 3C	Site 133 East (22-68 Halladay) (PPG)	PPG Owned	4/21/2015	4/21/2015	10/22/2015	7/29/16 (See Comments)	October 2017	November 2018	The Backfill Complete milestones for Site 133 East and Halladay Street South were extended from December 2015 to July 2016 by Consent Order entered on January 6, 2016. The parties agreed that PPG would be permitted to maintain backfill at grade of elevation 9 for Site 133 East and Halladay Street South until July 2016. PPG achieved backfill complete for Phase 3C (Site 133 East, Halladay Street South and Site 135 North) to Elevation 11 Feet NAVD 88 in July 2016. Grids adjacent to Site 135 South or Al Smith Moving, which are being excavated with Site 135 South or Al Smith Moving, will be backfilled as part of Site 135 South or Al Smith Moving. Grids adjacent to Ten West Apparel, which are being excavated with Ten West Apparel, will be backfilled with Ten West Apparel. Utility reinstallation in Halladay Street South is on hold pending mediation between the City and PPG of issues related to in-kind replacement of utilities and other improvements/infrastructure. Restoration to be implemented upon direction of NJDEP following the completion of all of the following activities related to the Capillary Rise Study: completion of test cell observations for Fall 2015, Winter 2016, Spring 2016, and Summer 2016, at a minimum; Capillary Rise Study Report to be submitted to NJDEP by December 31, 2016; NJDEP makes determination of capillary break methodology by March 31, 2017.
	Halladay Street South (Jersey City)	Road Closure In Place							
	Site 135 North (Portion of 51-99 Pacific) (PPG)	PPG Owned							
GA Group Site 135 South	Site 135 South (Remainder of 51-99 Pacific) (PPG)	PPG Owned (See Comments)	3/15/16	3/16/16	October 2016	January 2017	October 2017	November 2018	The milestone for Excavation Start was achieved for Site 135 South with the exception of the soils under Building 51 and soils immediately to the north of Building 51. Building 51 was not able to be demolished for structural reasons and remains attached to the Al Smith Moving building. Building 51 and the soils immediately to the north and west of Building 51 (located within Site 133 East and Site 135 South) will be addressed in connection with the remediation of the Al Smith Moving property. Restoration to be implemented upon direction of NJDEP following the completion of all of the following activities related to the Capillary Rise Study: completion of test cell observations for Fall 2015, Winter 2016, Spring 2016, and Summer 2016, at a minimum; Capillary Rise Study Report to be submitted to NJDEP by December 31, 2016; NJDEP makes determination of capillary break methodology by March 31, 2017.
GA Group Phase 5 Off Site Properties	Halsted Corporation (78 Halladay St) (PPG)	PPG Owned	June 2018	June 2018	July 2019	September 2019	March 2020	April 2021	By agreement of all parties, Al Smith Moving will vacate the Al Smith Moving building and relocate its operations to the Halsted building on or before July 31, 2016, to allow for PDI, demolition, and remediation activities within the Al Smith Moving Building. By further agreement of the parties, assuming the Al Smith Moving Building requires demolition, Al Smith Moving will vacate the Halsted Building on or before the last day of October, 2017. PPG and Al Smith Moving have entered a legally binding agreement that requires that Al Smith Moving vacate the Halsted Building as of such date. At such time, remediation activities at the Halsted Building shall continue. When Al Smith Moving vacates the Halsted Building it will move to another location. Halsted remediation activities are to be completed in conjunction with remediation of Halladay Street North. Restoration to be implemented upon direction of NJDEP following the completion of all of the following activities related to the Capillary Rise Study: completion of test cell observations for Fall 2015, Winter 2016, Spring 2016, and Summer 2016, at a minimum; Capillary Rise Study Report to be submitted to NJDEP by December 31, 2016; NJDEP makes determination of capillary break methodology by March 31, 2017.

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	Forrest Street Properties 84, 86 and, 90-98 Forrest St and Block 21501, Lot 15 (Caragliano)	Access complete	March 2017	March 2017	July 2017	September 2017	February 2018	March 2019	Restoration to be implemented upon direction of NJDEP following the completion of all of the following activities related to the Capillary Rise Study: completion of test cell observations for Fall 2015, Winter 2016, Spring 2016, and Summer 2016, at a minimum; Capillary Rise Study Report to be submitted to NJDEP by December 31, 2016; NJDEP makes determination of capillary break methodology by March 31, 2017.
	Al Smith Moving (33 Pacific Avenue) (NJEDA c/o Al Smith Moving)	Access Complete	June 2017	June 2017	September 2017	December 2017	February 2018	March 2019	<p>By agreement of all parties, Al Smith Moving will vacate the Al Smith Moving building and relocate its operations to the Halsted building on or before July 31, 2016, to allow for PDI, demolition, and remediation activities within the Al Smith Moving Building. Building 51 (55 Pacific Avenue) was not able to be demolished for structural reasons and remains attached to the Al Smith Moving Building. Building 51 and the soils immediately to the north and west of Building 51 (located within Site 133 East and Site 135 South) will be addressed in connection with the remediation of the Al Smith Moving property.</p> <p>By further agreement of the parties, assuming the Al Smith Moving Building requires demolition, Al Smith Moving will vacate the Halsted Building on or before the last day of October 2017. PPG and Al Smith Moving have entered a legally binding agreement that requires that Al Smith Moving vacate the Halsted Building as of such date. At such time, remediation activities at the Halsted Building shall continue. When Al Smith Moving vacates the Halsted Building it will move to another location.</p> <p>Restoration to be implemented upon direction of NJDEP following the completion of all of the following activities related to the Capillary Rise Study: completion of test cell observations for Fall 2015, Winter 2016, Spring 2016, and Summer 2016, at a minimum; Capillary Rise Study Report to be submitted to NJDEP by December 31, 2016; NJDEP makes determination of capillary break methodology by March 31, 2017.</p>
GA Group Phase 4 Roadways	Carteret Avenue (Jersey City)	See Comments	TBD (See Comments)	TBD (See Comments)	TBD (See Comments)	TBD (See Comments)	TBD (See Comments)	TBD (See Comments)	<p>Carteret Avenue area/phase includes Carteret Avenue from the intersection with Garfield Avenue through the intersection with Pacific Avenue. The portion of Carteret Avenue from the intersection with Garfield Avenue through the intersection with Halladay Street is closed and will remain closed pending remediation of this roadway.</p> <p>Negotiations have commenced between PPG and the City/MUA concerning the removal of the existing 96" steel combined sewer line within Carteret Avenue and remediation in and around said sewer line. The schedule for remediation of Carteret Avenue will be reevaluated based upon the outcome of the referenced negotiations, and Master Schedule milestones will be established on or before December 31, 2016.</p> <p>Restoration to be implemented upon direction of NJDEP following the completion of all of the following activities related to the Capillary Rise Study: completion of test cell observations for Fall 2015, Winter 2016, Spring 2016, and Summer 2016, at a minimum; Capillary Rise Study Report to be submitted to NJDEP by December 31, 2016; NJDEP makes determination of capillary break methodology by March 31, 2017.</p>
	Halladay Street North (Jersey City)	See Comments	June 2018	June 2018	July 2019	September 2019	March 2020	April 2021	<p>PPG has indicated that the PDI work in Halladay Street North has been completed. If this roadway needs to be closed for additional investigation or remediation activities, PPG will notify the City at least 90 days prior to the date that the roadway needs to be closed. Halladay Street North is to be completed in conjunction with remediation of the Halsted Building.</p> <p>Restoration to be implemented upon direction of NJDEP following the completion of all of the following activities related to the Capillary Rise Study: completion of test cell observations for Fall 2015, Winter 2016, Spring 2016, and Summer 2016, at a minimum; Capillary Rise Study Report to be submitted to NJDEP by December 31, 2016; NJDEP makes determination of capillary break methodology by March 31, 2017.</p>
	Forrest Street (Jersey City)	See Comments	March 2017	March 2017	October 2017	December 2017	December 2018	January 2020	<p>PPG has indicated that the PDI work in Forrest Street has been completed. If this roadway needs to be closed for additional investigation or remediation activities, PPG will notify the City at least 90 days prior to the date that the roadway needs to be closed.</p> <p>Restoration to be implemented upon direction of NJDEP following the completion of all of the following activities related to the Capillary Rise Study: completion of test cell observations for Fall 2015, Winter 2016, Spring 2016, and Summer 2016, at a minimum; Capillary Rise Study Report to be submitted to NJDEP by December 31, 2016; NJDEP makes determination of capillary break methodology by March 31, 2017.</p>

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GA Group Phase 4 Roadways	Garfield Avenue (Jersey City)	See Comments	November 2017	November 2017	November 2018	January 2019	April 2019	May 2020	PPG and the City have commenced communications regarding road closure planning for the PDI work to be conducted in Garfield Avenue. If, based upon the PDI work, this roadway needs to be closed for remediation activities, PPG will notify the City at least 90 days prior to the date that the roadway needs to be closed. Restoration to be implemented upon direction of NJDEP following the completion of all of the following activities related to the Capillary Rise Study: completion of test cell observations for Fall 2015, Winter 2016, Spring 2016, and Summer 2016, at a minimum; Capillary Rise Study Report to be submitted to NJDEP by December 31, 2016; NJDEP makes determination of capillary break methodology by March 31, 2017.

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- 9) NJ Transit Right-of-Way (ROW): CCPW located beneath this ROW will be addressed concurrent with Site 199, as part of remediation requirements specified in the 2011 Consent Order (Orphan Sites Agreement).

SOILS - NON-GARFIELD AVENUE SITES

Group/Phase or Site	Property Description (Owner)	Access for Remediation	Ready for Excavation Actual OR Required	Excavation Start Actual OR Required	Excavation Complete Actual OR Required	Backfill Complete Actual OR Required	Restoration Complete Actual OR Required	RAR Determination (See Notes)	Comments
Site 16	45 Linden Ave. East (Etzion)	Access agreement in place	5/6/2014	6/16/2014	November 2020	January 2021	September 2021	October 2022	PPG to conclude analysis of remedial alternatives for the warehouse building, secure the property owner's consent and propose a remedy to NJDEP by September 2018. The milestones for this Site are based on the assumption that the remedy includes building demolition enabling full removal/excavation of contaminated material within the footprint of the building. 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	4/28/2014	5/19/2015	5/19/2015	6/13/2015	April 2017	The RAR Determination milestone was May 2016 in the October 13, 2015 Master Schedule. RAR determination is contingent on the results of a supplemental investigation, which is scheduled to commence in November 2016 and may indicate additional remediation is required.
Site 65	Burma Road/Morris Pesin Drive (Jersey City)	See Comments	4/28/2014	4/28/2014	December 2016	January 2017	January 2017	February 2018	A Remedial Action Work Plan for remediation of this roadway was submitted to NJDEP in May 2016. PPG and the City are engaged in discussions regarding the remedial approach for this Site, which may impact the milestones for this Site.
Site 107/Site 108	Fashionland (Site 107 - Greenberg)/ Albanil Dyestuff (Site 108 - American Self Storage Liberte, LLC)	107 - In litigation 108 - Access to be obtained by Sept 2016 or legal remedies will commence by October 2016	June 2017	June 2017	June 2018	August 2018	September 2018	August 2019	The Court has ordered that access to Site 107 be provided in February 2017, however other legal issues involving PPG and the property owner are still pending. The Court may permit a 60 day extension past February 2017 at the discretion of Court. If granted, this will impact subsequent milestones by 60 days. Conrail has indicated it will not enter into an access agreement more than 30 days prior to the start of work. Negotiated access for remediation of adjacent Conrail property to be obtained by May 2017 or legal remedies will commence by June 2017. The current NJDEP approved remedial approach is an unrestricted use remedy. If PPG and the Site 107 property owner agree on an alternate remedial approach and an associated deed notice, PPG will seek a revised NJDEP approval within a timeframe that will achieve the excavation start date. The Schedule, however, is based upon the assumption that the remedy includes building demolition enabling full removal/excavation of contaminated material within the footprint of the building. The approved Remedial Investigation Report for Site 108 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. Therefore, Site 108 is to be remediated concurrent with the Site 107 remedial action.
Site 156	Metro Towers (ALMA)	Access agreement in place	3/18/2013	3/18/2013	5/23/2014	5/30/2014	6/30/2014	April 2017	The RAR Determination milestone was October 2016 in the October 13, 2015 Master Schedule. This site is being handled on two different timelines, one for the Boiler Room and one for the Parking Lot Area: Boiler Room: The Remedial Action Work Plan for the Boiler Room was deemed conditionally approved in February, 2016, subject to receipt of a letter from the property owner confirming its consent to engineering controls and a deed notice. Owner consent was provided in the access agreement and previously confirmed by email. Parking Lot Area: RAR Determination by April 2017. RAR determination is contingent on the results of a supplemental investigation which may indicate additional remediation is required.
Site 174	Dennis Collins Park (City of Bayonne)	Access agreement in place until June 2017, to be renewed prior to expiration	3/23/2013	4/8/2013	December 2017	December 2017	December 2017	January 2019	Focused excavation of the Park was completed in July 2016. The Parties have agreed to extend the schedule for ISM planning/implementation for various reasons, including the City of Bayonne's plans for redevelopment of the Park. Based on the timing of that redevelopment, the Master Schedule dates may have to be reassessed
Site 186	Garfield Avenue #1	Access no longer required; Remediation Complete	8/19/2013	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 final Consent Order Compliance Letter (NFA equivalent) was issued July 15, 2015.

(see notes on next page)

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GROUNDWATER

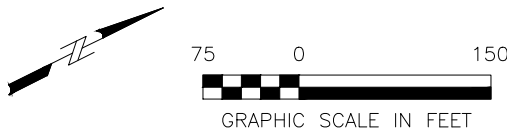
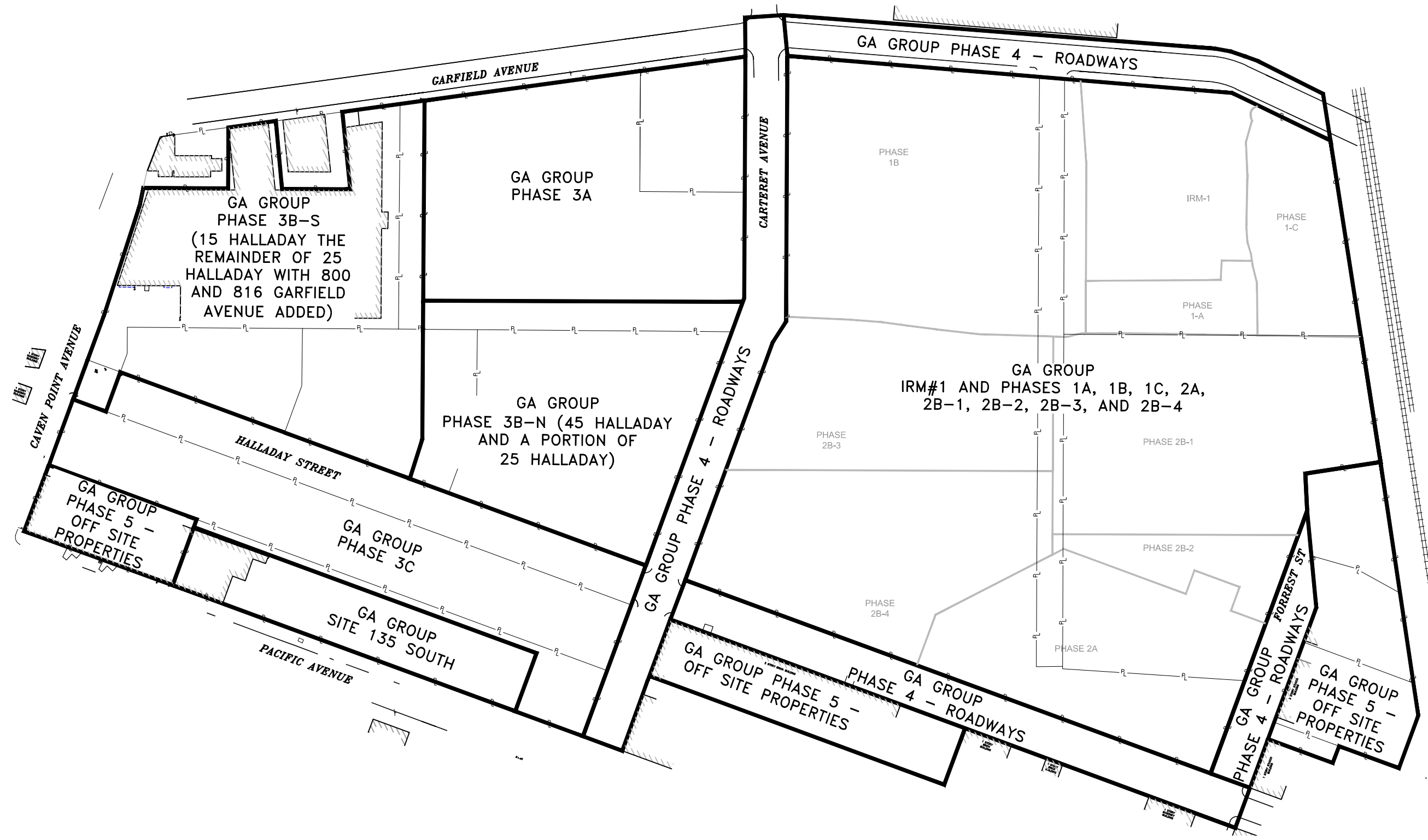
(The parties are currently discussing a revision to the Groundwater milestones below. New milestones will be established prior to August 31, 2016.)

Site or Group of Sites	Remedial Investigation Report Submitted	Comments
GA Group	January 2020	On-site and off-site access for groundwater obtained during implementation of soil remedial action. Groundwater RI work complete 1 year following excavation complete. Groundwater RIR and RAWP completion assumed 1 year post-soil remedy completion. Assumes that groundwater contamination does not extend into bedrock.
Site 16	November 2021	On-site and off-site access for groundwater obtained during implementation of soil remedial action. Groundwater RI work complete 1 year following excavation complete. Groundwater RIR and RAWP completion assumed 1 year post-soil remedy completion. Assumes that groundwater contamination does not extend into bedrock.
Site 63 & 65	December 2018	On-site and off-site access for groundwater obtained during implementation of soil remedial action. Groundwater RI work complete 1 year following excavation complete. Groundwater RIR and RAWP completion assumed 1 year post-soil remedy completion. Assumes that groundwater contamination does not extend into bedrock.
Site 107 & 108	June 2019	On-site and off-site access for groundwater obtained during implementation of soil remedial action. Groundwater RI work complete 1 year following excavation complete. Groundwater RIR and RAWP completion assumed 1 year post-soil remedy completion. Assumes that groundwater contamination does not extend into bedrock.
Site 156	May 2017	On-site and off-site access for groundwater obtained during implementation of soil remedial action. Groundwater RI work complete 3 years following excavation complete. Groundwater RIR and RAWP completion assumed 3 years post-soil remedy completion. Assumes that groundwater contamination does not extend into bedrock.
Site 174	April 2018	On-site and off-site access for groundwater obtained during implementation of soil remedial action. Groundwater RI work complete 1 year following excavation complete. Groundwater RIR and RAWP completion assumed 1 year post-soil remedy completion. Assumes that groundwater contamination does not extend into bedrock.
Site 186	Site 186 Groundwater Remedial Investigation incorporated into GAG RIWP	Site 186 groundwater investigation/remedial action is considered part of the Garfield Avenue Group groundwater program.

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Piscataway on uspsw2\fp001\Data_uspsw2\fp001\Environment(J)
 User: bossaliniid Plotted: Jul 28, 2016 - 3:35pm
 File: P:\Jobs\Rem_Eng\Project Files\PPG Industries\Garfield Avenue\30% Design\CADD\MEETING FIGURES\2016-07-28 GAG Vicinity Ref Figure.dwg Layout: FIGURE 1

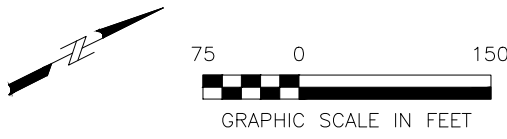
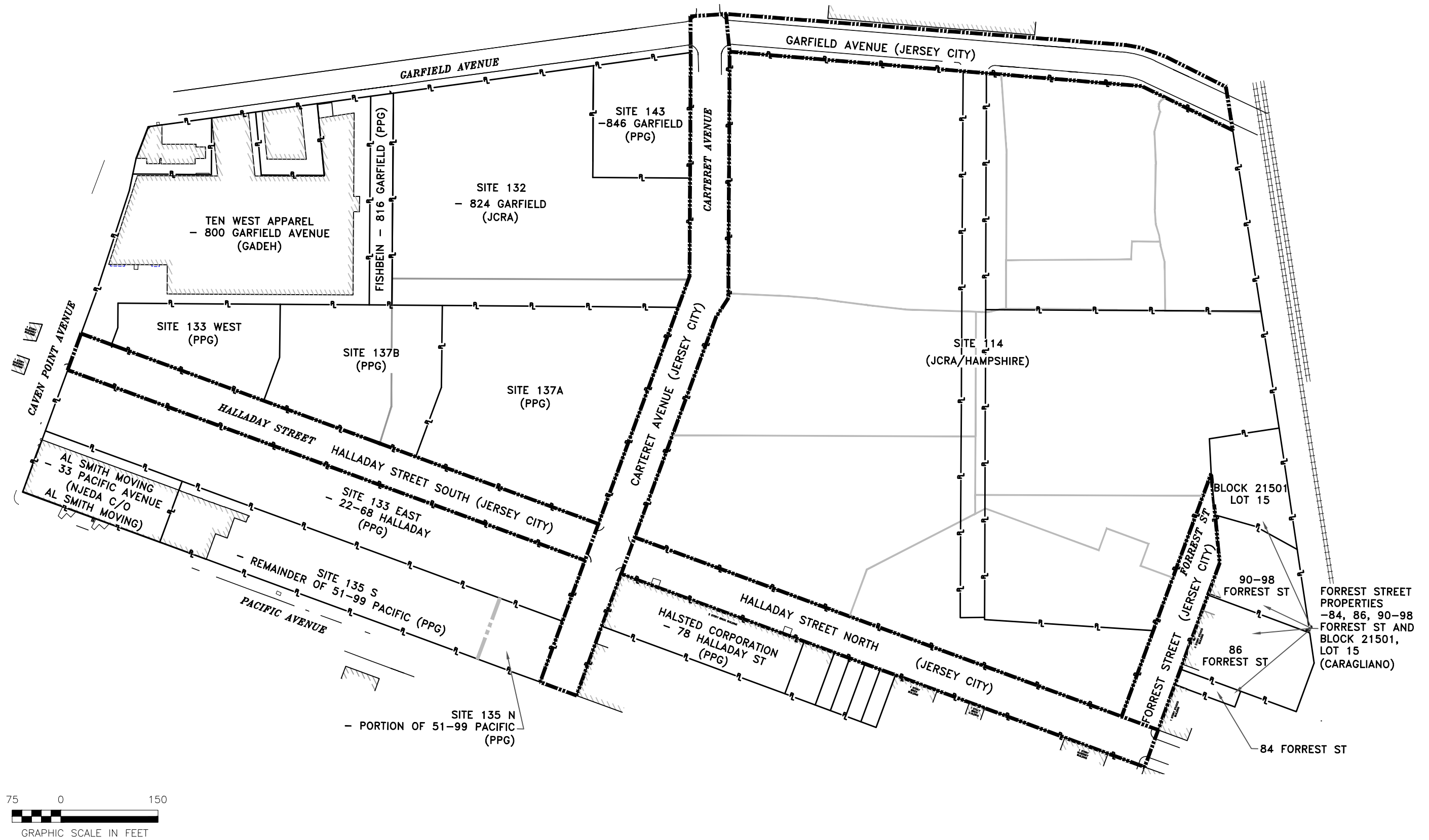


NOTES:
 1. FOR OFF SITE PROPERTIES AND ROADWAYS, PROPERTY LINES ARE ESTIMATED BASED ON TAX MAPS. LIMITS ARE INTENDED TO EXTEND TO ACTUAL PROPERTY LINES, TO BE CONFIRMED BY PROFESSIONAL SURVEY PRIOR TO START OF WORK.



PPG GARFIELD AVENUE GROUP JERSEY CITY, NEW JERSEY		GROUP/PHASE OR SITE PLAN
DATE: 07/19/2016	DRWN: DCB	FIGURE 1

Piscataway on uspsw2\fp001\Data_uspsw2\fp001\Environment(J)
 User: bossaliniid Plotted: Jul 28, 2016 - 3:33pm
 File: P:\Jobs\Rem_Eng\Project Files\PPG Industries\Garfield Avenue\30% Design\CADD\MEETING FIGURES\2016-07-28 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		PROPERTY DESCRIPTION (OWNER) PLAN
DATE: 07/19/2016	DRWN: DCB	FIGURE 2