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115 Tabor Road
Morris Plains, NJ 07950
www.honeywell.com

January 26, 2021

Mr. Edward Hammerberg
Technical Specialist/RCE Supervisor
Waste Division and Utilization Program
Maryland Department of the Environment
1800 Washington Boulevard, Suite 645
Baltimore, MD 21230

Re: Transmittal of Quarterly Site Progress Report, Fourth Quarter 2020, 2000 Race Street Site, Baltimore, Maryland

Dear Mr. Hammerberg:

Please find attached the Fourth Quarter 2020 Site Progress Report for the 2000 Race Street Site, Baltimore, Maryland. This document is provided on behalf of Honeywell and the Mayor and City Council of Baltimore pursuant to the General Inspection Requirements of Section II.C of the Controlled Hazardous Substance (CHS) Post-Closure permit issued by the Maryland Department of the Environment (MDE) for the 2000 Race Street Site Consent Order, effective September 27, 2019.

If you have any questions or require additional information, please do not hesitate to contact me at 973-455-3302, or by e-mail at Maria.Kaouris@Honeywell.com.

Sincerely,

A handwritten signature in blue ink that reads "Maria Kaouris".

Maria Kaouris
Remediation Manager

Attachment

cc: Mr. Ed Dexter—MDE
Mr. Al Simpkins—MDE
Ms. Dawn Lettman—City of Baltimore
Mr. Ravic Miller—City of Baltimore
Mr. George Pfeiffer—Honeywell

Fourth Quarter 2020 Site Progress Report

2000 Race Street
Baltimore, Maryland

Prepared for

Honeywell

115 Tabor Road
Morris Plains, New Jersey 07950

and

Mayor and City Council of Baltimore, Maryland

Prepared by

Jacobs

Jacobs Engineering
2411 Dulles Corner Park Suite #500
Herndon, VA 20171

January 2021

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1. Introduction

Honeywell International Inc. (Honeywell) and the Mayor and City Council of Baltimore City (City) are submitting this Quarterly Site Progress Report for the 2000 Race Street Site (Site) pursuant to the General Inspection Requirements of Section II.C of the Controlled Hazardous Substance (CHS) Post-Closure Permit issued by the Maryland Department of the Environment (MDE) for the 2000 Race Street Site on September 27, 2019. Quarterly Site Progress Reports will be submitted to MDE to include the following information:

- Work completed and documents submitted to MDE in the preceding quarter;
- A schedule and submittals for the upcoming quarter; and
- Any delays, modifications or changes anticipated in the upcoming quarter.

This report covers Site-related activities conducted under the CHS permit during the fourth quarter of 2020, from October 1, 2020, through December 31, 2020.

The Site is located at 2000 Race Street, Baltimore, Maryland (ZIP Code 21230). It occupies approximately 10.3 acres and is bounded on the north by the Baltimore Gas and Electric Spring Gardens facility, on the south by Swann Park, on the east by Race Street and on the west by the Middle Branch of the Patapsco River. In addition, two elevated spans of Interstate 95 (I-95), oriented from east to west, overlie the Site on the northern half of the property. A chain-link security fence is present at the perimeter of the Site. The Site has no onsite building structures and is currently vacant.

Controlled hazardous substances are contained on the Site and are covered with an engineered cap consisting of the following materials from top to bottom: asphalt, gravel base, and compacted clay. The cap was completed at the end of 2019 and was implemented pursuant to a Controlled Hazardous Substances Permit referenced below. Cap maintenance is ongoing. Additional information regarding the Site includes the following: May 23, 2007, Consent Order; *Site Characterization Work Plan*, dated September 2007; *Site Characterization Report*, dated September 2009; *Near Shore Investigation Report*, dated December 2009; *Interim Remedial Measures Assessment Investigation and Pilot Test Report*, dated July 2012; *Supplemental Site Characterization Report* (former arsenic shed area), dated February 2018; *Interim Remedial Measures Assessment (IRMA) Report*, dated August 2018; the *Corrective Measures Alternatives Analysis Report*, dated August 2018; Post-Closure Controlled Hazardous Substance (CHS) Permit issued by MDE, dated September 27, 2019; and *Cap Construction Completion Report*, dated June 2020.

2. Quarter in Review

Site-related activities performed during the fourth quarter of 2020 include the following:

- October 5: City of Baltimore performed vegetation control measures;
- October 8: Held Project Coordinator call with MDE;
- October 19: Performed site-wide groundwater monitoring;
- October 22: Performed monthly site status inspection (Appendix A);
- October 22: Submitted the third quarter 2020 Site Progress report to MDE;
- October 22: Performed semi-annual inclinometer readings;
- October 22: Submitted the Vapor Assessment Report to the MDE;
- November 18: Submitted Right of Entry Agreement to MDE;
- November 19: Held Project Coordinator call with MDE;
- November 19: Performed monthly site status inspection (Appendix A);
- November 19: Submitted the First Half 2020 Bridge Monitoring Report to MDE;

- November 20: Submitted Near Shore Sediment Work Plan to the MDE;
- December 17: Completed wedge paving of low-lying areas of the asphalt cap; and
- December 18: Performed monthly site status inspection (Appendix A).

3. Upcoming Work during the First Quarter of 2021

The following activities and submittals are anticipated to occur in the upcoming quarter:

- Conduct monthly Site status inspections and participate in monthly Site status calls with MDE (January, February, and March);
- Submit the Fourth Quarter 2020 Site Progress report to MDE;
- Perform first half 2021 Semi-annual site-wide groundwater monitoring;
- Prepare second half 2020 Bridge Monitoring data report; and
- Perform quarterly Semi-annual Shape Accel Array (SAA)/inclinometer readings.

4. Schedule

A schedule of Consent Order activities anticipated during the first quarter of 2021 is provided below.

Milestone	Anticipated Date
January 2021	
Perform PRB & Groundwater Monitoring, week starting	1-25-21
Perform monthly Site status inspection	1-21-21
Submit Q4 2020 Site Progress report	1-30-21
Perform SAA/inclinometer readings	TBD
February 2021	
Perform monthly Site status inspection	TBD
March 2021	
Perform monthly Site Status inspection	TBD
Submit second half 2020 Bridge Monitoring Report	TBD

Appendix A

Site Inspection Reports

**2000 Race Street
Monthly Site Inspection Checklist**

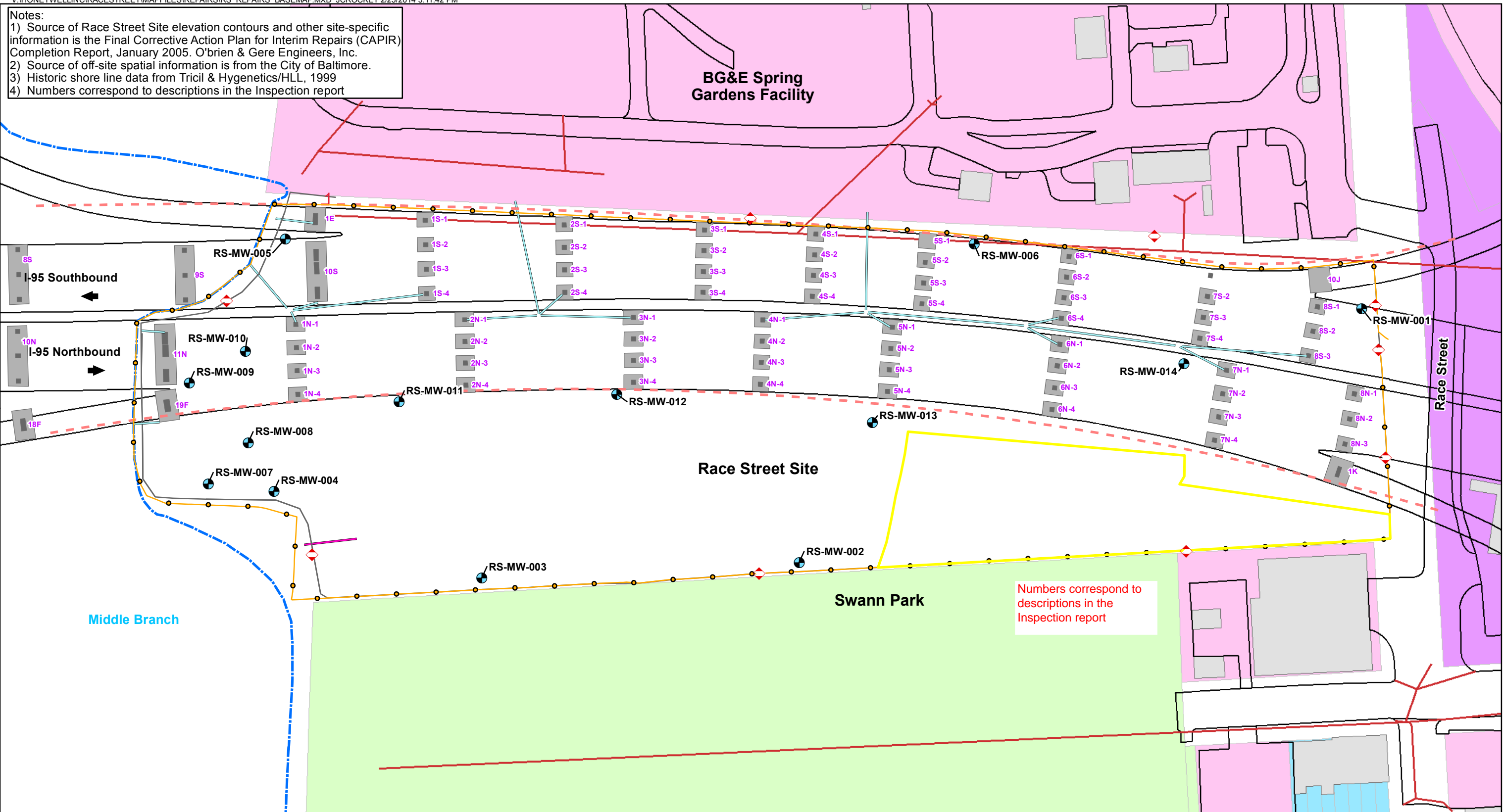
Inspector:	Bill Morris	Date of Inspection:	22-Oct-20
Title:	Environmental Engineer	Date of Last Inspection:	17-Sep-20
Organization:	Jacobs	Weather:	Cool, cloudy

Site Inspection Results				
Task	Observations	Actions Taken	Date Completed	Comments/Additional Observations
1. General				
Inspect site for presence of surface debris. Identify type, approximate volume of debris, and location via description or on Site Plan (attach to Monthly Site Inspection Checklist).	None	None	NA	NA
Inspect site for presence of vegetation. Identify estimated amount and location of vegetation via description or on Site Plan (attach to Monthly Site Inspection Checklist)	None	None	NA	NA
2. Interstate 95 Footings and Joints				
Inspect around pier footings for settlement. Identify settlement off-set from grade and location via description or on Site Plan (attach to Monthly Site Inspection Checklist)	None	None	NA	NA
	None	None	NA	NA
3. Engineered Cap				
Inspect cap for alligator cracking. Identify estimated area of cracking and location via description or on Site Plan (attach to Monthly Site Inspection Checklist)	None	None	NA	NA
Inspect cap for holes. Identify number of holes, width and depth, and location via description or on Site Plan (attach to Monthly Site Inspection Checklist)	1: Groundhog burrow on the side slope outside the perimeter fence from the asphalt-paved cap.	None	NA	Burrow to be filled during future asphalt cap maintenance activities.
Inspect cap for cracks less than 0.5 inches wide. Note number of cracks. Identify location of cracks via description or on Site Plan (attach to Monthly Site Inspection Checklist).	None	None	NA	NA
Inspect cap for cracks greater than 0.5 inches wide. Note number of cracks. Identify location of cracks via description or on Site Plan (attach to Monthly Site Inspection Checklist).	None	None	NA	NA
Inspect cap for any signs of ponding of water	None	None	NA	NA
Inspect shorefront embankment for evidence of erosion or releases	None	None	NA	NA
Identify any other observations related to the condition of the cap and potential for cap damage	None	None	NA	None
4. Fence				

**2000 Race Street
Monthly Site Inspection Checklist**

Site Inspection Results				
Task	Observations	Actions Taken	Date Completed	Comments/Additional Observations
Inspect fence for holes. Note number of holes. Identify location of holes via description or on Site Plan (attach to Monthly Site Inspection Checklist).	None	None	NA	NA
Inspect fence to determine if there is any erosion compromising the integrity of the fence	None	None	NA	NA
Inspect fence to determine if barbed wire is in good condition	None	None	NA	NA
Inspect gates, chains, and locks for damage	None	None	NA	NA
Inspect fence to determine if any vegetation is damaging or otherwise compromising fence		None	NA	NA
Inspect fence to determine if there is any burrowing beneath fence	None	None	NA	NA
Identify any other observations related to the condition of the fence and potential for fence damage (e.g., points of weakness, corrosion)	None	None	NA	NA
5. Aboveground Stormwater Conveyance System				
Inspect aboveground stormwater conveyance system including piping, downspouts, and drain in southwest corner of site for proper operation	None	None	NA	NA
6. Vandalism				
Inspect site for any vandalism including any dumped material on-site and damage to monitoring wells	None	None	NA	NA
Identify any other observations related to vandalism on the site	None	None	NA	NA
7. Signage				
Inspect warning signs on exterior perimeter of fence to determine condition and readability. Identify number of signs removed/damaged/unreadable and locations via description or Site Plan (attach to Monthly Site Inspection Checklist)	None	None	NA	NA
8. Miscellaneous Items				
Any interaction with people on or adjacent to the site? If yes, identify who, title, organization, contact information, and content of interaction	AI Simkins of MDE attended the onsite monthly site inspection.			
Other Comments/Observations?	None			

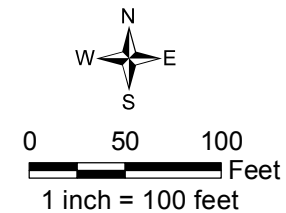
Notes:
1) Source of Race Street Site elevation contours and other site-specific information is the Final Corrective Action Plan for Interim Repairs (CAPIR) Completion Report, January 2005. O'brien & Gere Engineers, Inc.
2) Source of off-site spatial information is from the City of Baltimore.
3) Historic shore line data from Tricil & Hygenetics/HLL, 1999
4) Numbers correspond to descriptions in the Inspection report



Numbers correspond to
descriptions in the
Inspection report

Legend

- | | | |
|---|---|-----------------|
| Warning Signs | Existing Shoreline | Buildings |
| Monitoring Well Locations | Fence/Approximate Property Boundary and Limit of Engineered Cap | Concrete Column |
| Edge of Pavement | Fence Installed on Jersey Barriers | Concrete Footer |
| Approximate Limits of I-95 Former Below | Baltimore Stormwater Pipe | |
| Ground Stormwater System (Abandoned) | Commercial | |
| Below Ground Stormwater System | Exempt Commercial | |
| | Industrial | |
| | Residential | |



Monthly Inspection Map
Race Street Site
Baltimore, MD
October 22, 2020

**2000 Race Street
Monthly Site Inspection Checklist**

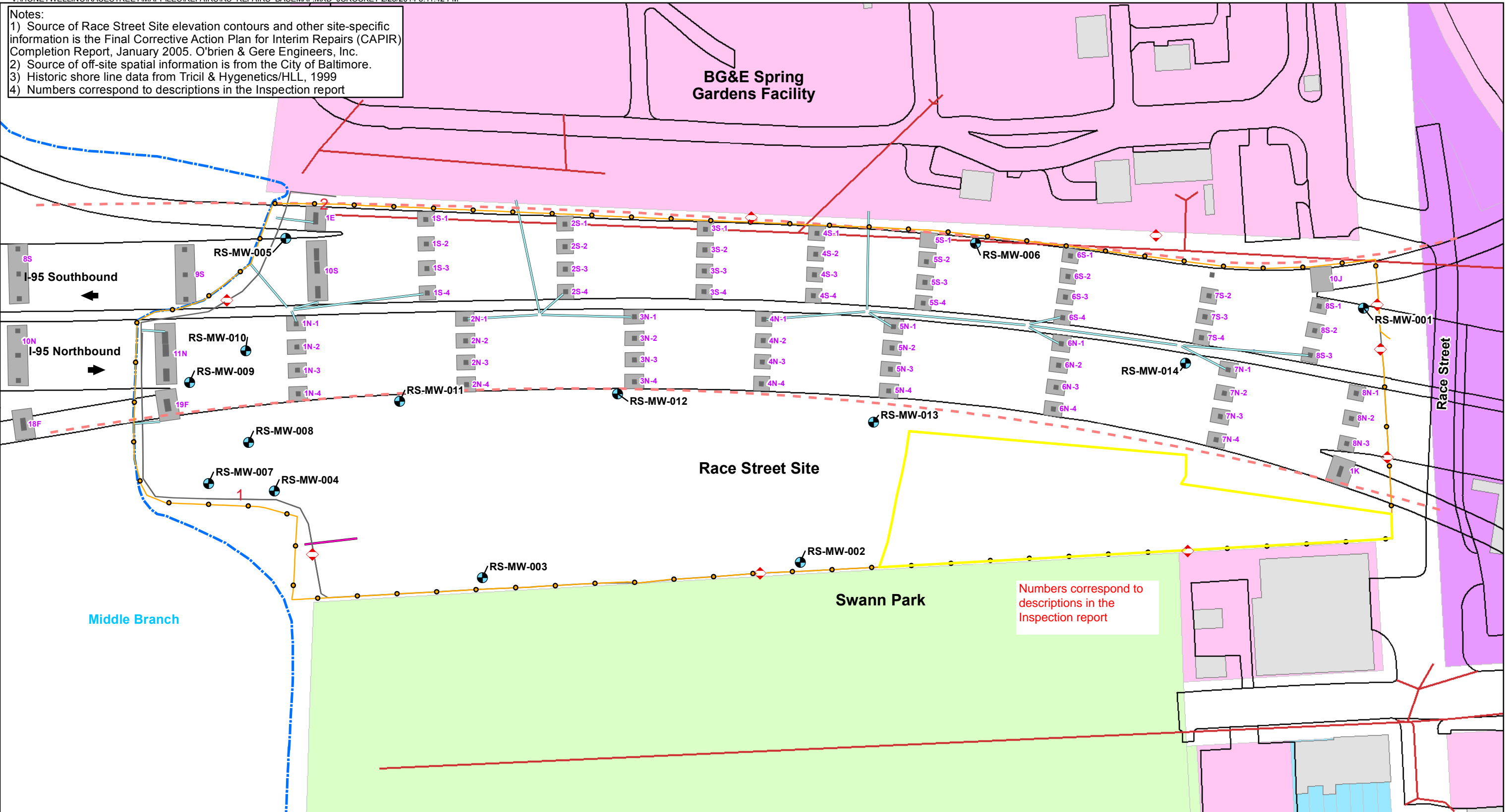
Inspector:	Bill Morris	Date of Inspection:	19-Nov-20
Title:	Environmental Engineer	Date of Last Inspection:	22-Oct-20
Organization:	Jacobs	Weather:	Cool, cloudy

Site Inspection Results				
Task	Observations	Actions Taken	Date Completed	Comments/Additional Observations
1. General				
Inspect site for presence of surface debris. Identify type, approximate volume of debris, and location via description or on Site Plan (attach to Monthly Site Inspection Checklist).	None	None	NA	NA
Inspect site for presence of vegetation. Identify estimated amount and location of vegetation via description or on Site Plan (attach to Monthly Site Inspection Checklist)	1: Vegetation growing on asphalt at fence line.	None	10/5/20	City of Baltimore performed vegetation eradication along the fence line.
2. Interstate 95 Footings and Joints				
Inspect around pier footings for settlement. Identify settlement off-set from grade and location via description or on Site Plan (attach to Monthly Site Inspection Checklist)	None	None	NA	NA
	None	None	NA	NA
3. Engineered Cap				
Inspect cap for alligator cracking. Identify estimated area of cracking and location via description or on Site Plan (attach to Monthly Site Inspection Checklist)	None	None	NA	NA
Inspect cap for holes. Identify number of holes, width and depth, and location via description of on Site Plan (attach to Monthly Site Inspection Checklist)	2: Groundhog burrow on the side slope outside the perimeter fence from the asphalt-paved cap.	None	NA	Burrow to be filled during future asphalt cap maintenance activities.
Inspect cap for cracks less than 0.5 inches wide. Note number of cracks. Identify location of cracks via description or on Site Plan (attach to Monthly Site Inspection Checklist).	None	None	NA	NA
Inspect cap for cracks greater than 0.5 inches wide. Note number of cracks. Identify location of cracks via description or on Site Plan (attach to Monthly Site Inspection Checklist).	None	None	NA	NA
Inspect cap for any signs of ponding of water	None	None	NA	NA
Inspect shorefront embankment for evidence of erosion or releases	None	None	NA	NA
Identify any other observations related to the condition of the cap and potential for cap damage	None	None	NA	NA
4. Fence				

**2000 Race Street
Monthly Site Inspection Checklist**

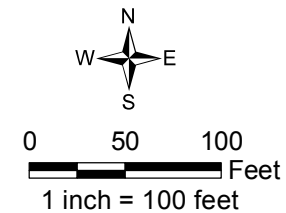
Site Inspection Results				
Task	Observations	Actions Taken	Date Completed	Comments/Additional Observations
Inspect fence for holes. Note number of holes. Identify location of holes via description or on Site Plan (attach to Monthly Site Inspection Checklist).	None	None	NA	NA
Inspect fence to determine if there is any erosion compromising the integrity of the fence	None	None	NA	NA
Inspect fence to determine if barbed wire is in good condition	None	None	NA	NA
Inspect gates, chains, and locks for damage	None	None	NA	NA
Inspect fence to determine if any vegetation is damaging or otherwise compromising fence		None	NA	NA
Inspect fence to determine if there is any burrowing beneath fence	None	None	NA	NA
Identify any other observations related to the condition of the fence and potential for fence damage (e.g., points of weakness, corrosion)	None	None	NA	NA
5. Aboveground Stormwater Conveyance System				
Inspect aboveground stormwater conveyance system including piping, downspouts, and drain in southwest corner of site for proper operation	None	None	NA	NA
6. Vandalism				
Inspect site for any vandalism including any dumped material on-site and damage to monitoring wells	None	None	NA	NA
Identify any other observations related to vandalism on the site	None	None	NA	NA
7. Signage				
Inspect warning signs on exterior perimeter of fence to determine condition and readability. Identify number of signs removed/damaged/unreadable and locations via description or Site Plan (attach to Monthly Site Inspection Checklist)	None	None	NA	NA
8. Miscellaneous Items				
Any interaction with people on or adjacent to the site? If yes, identify who, title, organization, contact information, and content of interaction	AI Simkins of MDE attended the onsite monthly site inspection.			
Other Comments/Observations?	None			

Notes:
1) Source of Race Street Site elevation contours and other site-specific information is the Final Corrective Action Plan for Interim Repairs (CAPIR) Completion Report, January 2005. O'Brien & Gere Engineers, Inc.
2) Source of off-site spatial information is from the City of Baltimore.
3) Historic shore line data from Tricil & Hygenetics/HLL, 1999
4) Numbers correspond to descriptions in the Inspection report



Legend

- | | | |
|---|---|-----------------|
| Warning Signs | Existing Shoreline | Buildings |
| Monitoring Well Locations | Fence/Approximate Property Boundary and Limit of Engineered Cap | Concrete Column |
| Edge of Pavement | Fence Installed on Jersey Barriers | Concrete Footer |
| Approximate Limits of I-95 Former Below | Baltimore Stormwater Pipe | |
| Ground Stormwater System (Abandoned) | Commercial | |
| Below Ground Stormwater System | Exempt Commercial | |
| | Industrial | |
| | Residential | |



Monthly Inspection Map
Race Street Site
Baltimore, MD
November 19, 2020

**2000 Race Street
Monthly Site Inspection Checklist**

Inspector:	Bill Morris	Date of Inspection:	18-Dec-20
Title:	Environmental Engineer	Date of Last Inspection:	19-Nov-20
Organization:	Jacobs	Weather:	Cool, cloudy

Site Inspection Results				
Task	Observations	Actions Taken	Date Completed	Comments/Additional Observations
1. General				
Inspect site for presence of surface debris. Identify type, approximate volume of debris, and location via description or on Site Plan (attach to Monthly Site Inspection Checklist).	None	None	NA	NA
Inspect site for presence of vegetation. Identify estimated amount and location of vegetation via description or on Site Plan (attach to Monthly Site Inspection Checklist)	None	None	NA	NA
2. Interstate 95 Footings and Joints				
Inspect around pier footings for settlement. Identify settlement off-set from grade and location via description or on Site Plan (attach to Monthly Site Inspection Checklist)	None	None	NA	NA
	None	None	NA	NA
3. Engineered Cap				
Inspect cap for alligator cracking. Identify estimated area of cracking and location via description or on Site Plan (attach to Monthly Site Inspection Checklist)	None	None	NA	NA
Inspect cap for holes. Identify number of holes, width and depth, and location via description or on Site Plan (attach to Monthly Site Inspection Checklist)	1: Groundhog burrow on side slope adjacent to asphalt	None	NA	Burrow to be filled during future asphalt cap maintenance activities.
Inspect cap for cracks less than 0.5 inches wide. Note number of cracks. Identify location of cracks via description or on Site Plan (attach to Monthly Site Inspection Checklist).	None	None	NA	NA
Inspect cap for cracks greater than 0.5 inches wide. Note number of cracks. Identify location of cracks via description or on Site Plan (attach to Monthly Site Inspection Checklist).	None	None	NA	NA
Inspect cap for any signs of ponding of water	None	None	NA	NA
Inspect shorefront embankment for evidence of erosion or releases	None	None	NA	NA
Identify any other observations related to the condition of the cap and potential for cap damage	None	None	12/17/2020	Wedge paving of low-lying areas of the asphalt cap was completed. Asphalt patch will be placed to address the slumping area.

**2000 Race Street
Monthly Site Inspection Checklist**

Site Inspection Results				
Task	Observations	Actions Taken	Date Completed	Comments/Additional Observations
4. Fence				
Inspect fence for holes. Note number of holes. Identify location of holes via description or on Site Plan (attach to Monthly Site Inspection Checklist).	None	None	NA	NA
Inspect fence to determine if there is any erosion compromising the integrity of the fence	None	None	NA	NA
Inspect fence to determine if barbed wire is in good condition	None	None	NA	NA
Inspect gates, chains, and locks for damage	None	None	NA	NA
Inspect fence to determine if any vegetation is damaging or otherwise compromising fence		None	NA	NA
Inspect fence to determine if there is any burrowing beneath fence	None	None	NA	NA
Identify any other observations related to the condition of the fence and potential for fence damage (e.g., points of weakness, corrosion)	None	None	NA	NA
5. Aboveground Stormwater Conveyance System				
Inspect aboveground stormwater conveyance system including piping, downspouts, and drain in southwest corner of site for proper operation	None	None	NA	NA
6. Vandalism				
Inspect site for any vandalism including any dumped material on-site and damage to monitoring wells	None	None	NA	NA
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7. Signage				
Inspect warning signs on exterior perimeter of fence to determine condition and readability. Identify number of signs removed/damaged/unreadable and locations via description or Site Plan (attach to Monthly Site Inspection Checklist)	None	None	NA	NA
8. Miscellaneous Items				
Any interaction with people on or adjacent to the site? If yes, identify who, title, organization, contact information, and content of interaction	Al Simkins of MDE attended the onsite monthly site inspection.			
Other Comments/Observations?	None			



Monthly Inspection Map
Race Street Site
Baltimore, MD
December 18, 2020