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Health, Safety, Environmental, Product Stewardship and Sustainability
115 Tabor Road
Morris Plains, NJ 07950
www.honeywell.com

January 27, 2022

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 2021, 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, effective September 27, 2019.

If you have any questions or require additional information, please do not hesitate to contact me at 973-455-2877, or by e-mail at Eric.Christodoulatos@Honeywell.com.

Sincerely,

Eric Christodoulatos
Senior 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

Fouth Quarter 2021 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 2022

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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 2021, from October 1, 2021 through December 31, 2021.

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; *Cap Construction Completion Report*, dated June 2020; and 2020 Groundwater Monitoring Data Report, dated March 2021.

2. Quarter in Review

Site-related activities performed during the fourth quarter of 2021 include the following:

- Oct 6: Held Project Coordinator call with MDE;
- Oct 20: Performed site-wide and Permeable Reactive Barrier (PRB) groundwater monitoring;
- Oct 21: Performed monthly site status inspection (Appendix A);
- Oct 27: Submitted the third quarter 2021 Site Progress Report to MDE;
- Nov 18 Performed monthly site status inspection (Appendix A);
- Dec 16 Performed bridge monitoring data collection;
- Dec 16: Performed monthly site status inspection (Appendix A).

3. Upcoming Work during the First Quarter of 2022

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, March);
- Submit the Fourth Quarter 2021 Site Progress report to MDE;
- Submit the 2021 Groundwater Monitoring report to MDE;
- Perform Semi-annual site-wide and PRB groundwater monitoring;
- Submit the second half 2021 Bridge Monitoring data report; and
- Perform quarterly Semi-annual Shape Accel Array (SAA)/inclinometer readings.

4. Schedule

A schedule of CHS permit activities anticipated during the first quarter of 2022 is provided below.

Milestone	Anticipated Date
January 2022	
Perform monthly Site status inspection	1-22-22
Perform PRB & Site-Wide Groundwater Monitoring, week starting	1-24-22
Submit Q4 2021 Site Progress Report	1-30-22
February 2022	
Perform monthly site status inspection	TBD
Perform PRB & Site-Wide Groundwater Monitoring, week starting	TBD
March 2022	
Perform monthly site Status inspection	TBD
Perform PRB & Site-Wide Groundwater Monitoring	TBD
Submit second Half 2021 Bridge Monitoring Report	TBD

Appendix A
Site Inspection Reports

**2000 Race Street
Monthly Site Inspection Checklist**

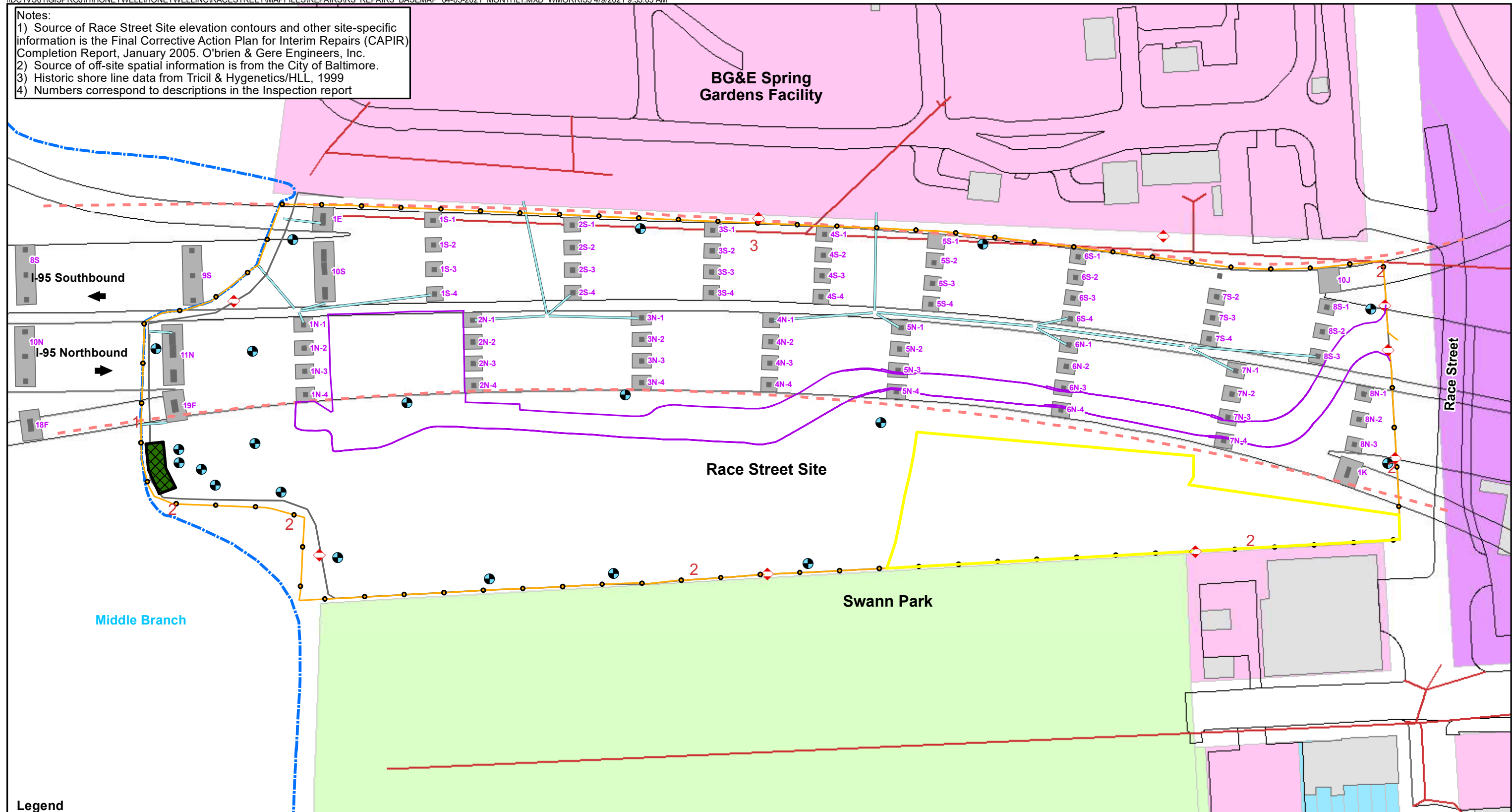
Inspector:	Bill Morris	Date of Inspection:	21-Oct-21
Title:	Environmental Engineer	Date of Last Inspection:	30-Sep-21
Organization:	Jacobs	Weather:	Mostly sunny, warm

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).	3: Sediment accumulation on asphalt	City notified of need to implement site maintenance	7/9/2021	City of Baltimore to address removal of cap debris as part of site maintenance.
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 growth along the shoreline. 2: Vegetation growth along the fence line.	City notified of need to implement vegetation control	7/9/2021	City of Baltimore to address vegetation as part of site maintenance.
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)	None	None	NA	NA
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**

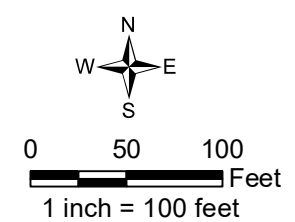
Site Inspection Results				
Task	Observations	Actions Taken	Date Completed	Comments/Additional Observations
Inspect fence for holes. Note number of holes. Identify location of holes via description or on Site Plan (attach to Monthly Site Inspection Checklist).	None	None	NA	NA
Inspect fence to determine 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 was onsite for the monthly site inspection. Jacobs sampling team was onsite for groundwater monitoring event.			
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 | --- Equipment Road | ■ Concrete Column |
| --- Equipment Road | --- Fence/Approximate Property Boundary and Limit of Engineered Cap | ■ Concrete Footer |
| --- Edge of Pavement | --- Fence Installed on Jersey Barriers | ■ PRB |
| --- Approximate Limits of I-95 Former Below | --- Baltimore Stormwater Pipe | |
| --- Ground Stormwater System (Abandoned) | ■ Commercial | |
| | ■ Exempt Commercial | |
| | ■ Industrial | |
| | ■ Residential | |



Monthly Inspection Map
 Race Street Site
 Baltimore, MD

October 21, 2021

Jacobs

**2000 Race Street
Monthly Site Inspection Checklist**

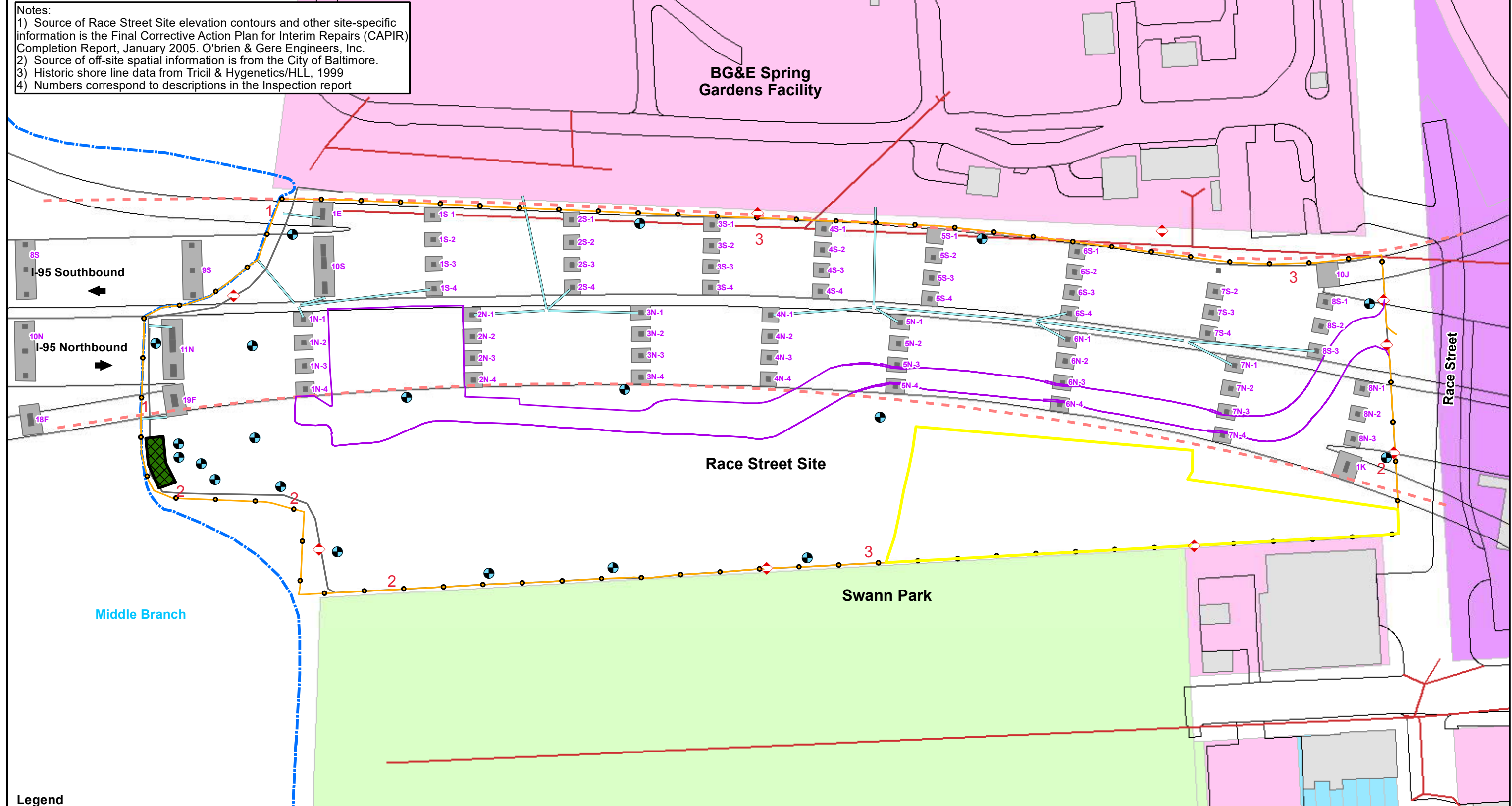
Inspector:	Bill Morris	Date of Inspection:	18-Nov-21
Title:	Environmental Engineer	Date of Last Inspection:	21-Oct-21
Organization:	Jacobs	Weather:	Sunny, cool

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).	3: Sediment accumulation on asphalt	City notified of need to implement site maintenance	7/9/2021	City of Baltimore to address removal of cap debris as part of site maintenance.
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 growth along the shoreline. 2: Vegetation growth along the fence line.	City notified of need to implement vegetation control	7/9/2021	City of Baltimore to address vegetation as part of site maintenance.
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)	None	None	NA	NA
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

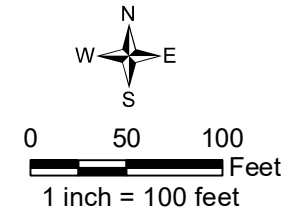
**2000 Race Street
Monthly Site Inspection Checklist**

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
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 was onsite for the 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.
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 4) Numbers correspond to descriptions in the Inspection report



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



Monthly Inspection Map
 Race Street Site
 Baltimore, MD

November 18, 2021

Jacobs

**2000 Race Street
Monthly Site Inspection Checklist**

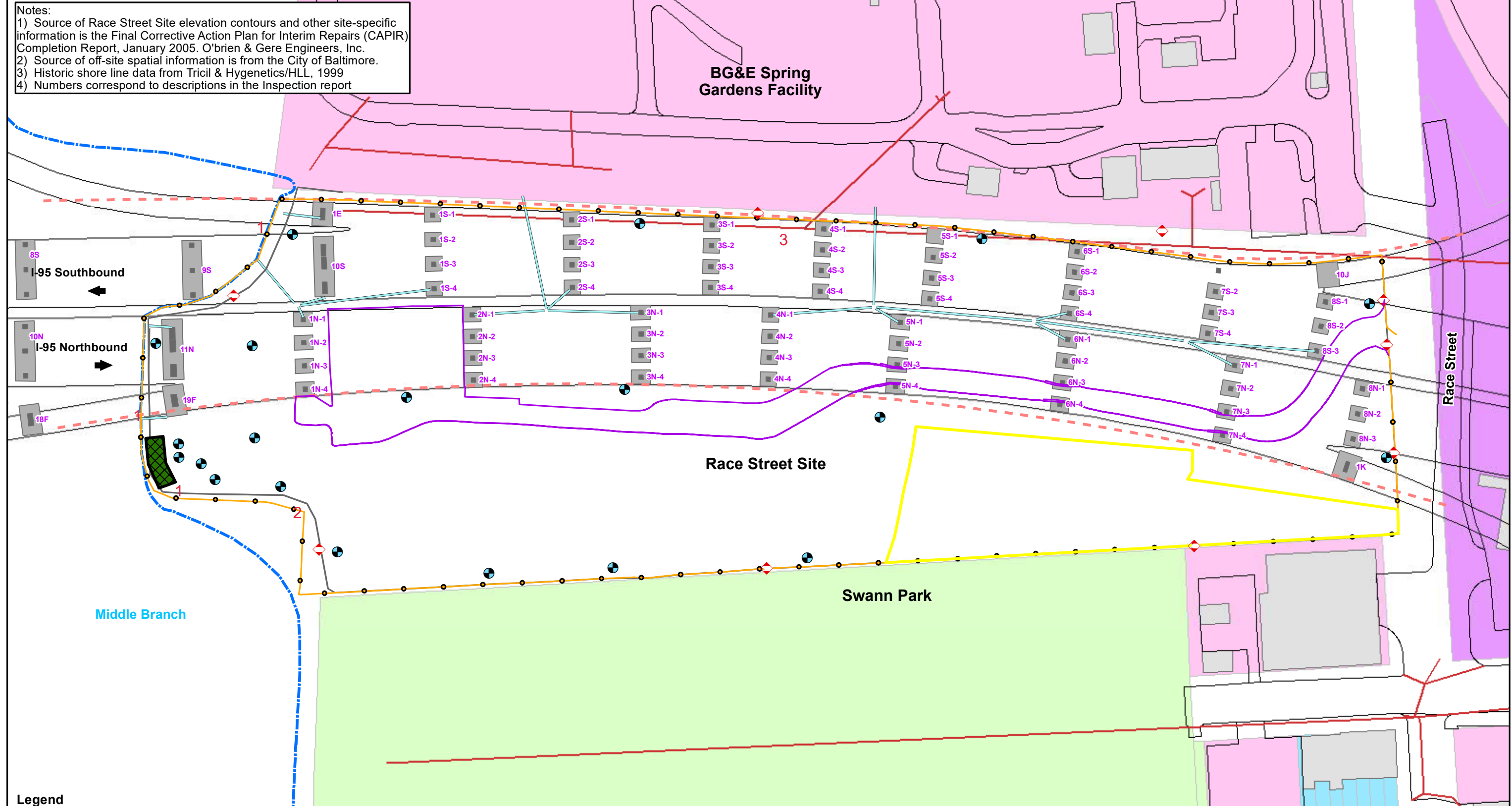
Inspector:	Bill Morris	Date of Inspection:	16-Dec-21
Title:	Environmental Engineer	Date of Last Inspection:	18-Nov-21
Organization:	Jacobs	Weather:	Sunny, warm

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).	3: Sediment accumulation on asphalt	City notified of need to implement site maintenance	1/4/2022	City of Baltimore to address removal of cap debris as part of site maintenance.
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 growth along the shoreline. 2: Vegetation growth along the fence line.	City performed some vegetation control; City notified of the need for additional vegetation removal is required	1/4/2022	City of Baltimore to address vegetation as part of site maintenance.
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
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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				

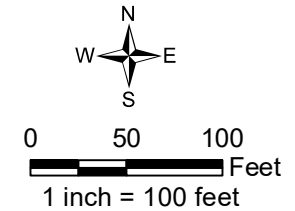
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Site Inspection Results				
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Inspect fence to determine if barbed wire is in good condition	None	None	NA	NA
Inspect gates, chains, and locks for damage	None	None	NA	NA
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Inspect 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
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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 was onsite for the 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.
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 - Fence/Approximate Property Boundary and Limit of Engineered Cap
 - Fence Installed on Jersey Barriers
 - Baltimore Stormwater Pipe
 - Commercial
 - Exempt Commercial
 - Industrial
 - Residential
 - Buildings
 - Concrete Column
 - Concrete Footer
 - PRB



Monthly Inspection Map
 Race Street Site
 Baltimore, MD
 December 16, 2021

