



**HEALTH, SAFETY, ENVIRONMENTAL, PRODUCT STEWARDSHIP AND SUSTAINABILITY**

115 Tabor Road, 2-D1

Morris Plains, New Jersey 07950

www.honeywell.com

April 24, 2023

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, First Quarter 2023, 2000 Race Street Site, Baltimore, Maryland**

Dear Mr. Hammerberg:

Please find attached the First Quarter 2023 Site Progress Report for the Site at 2000 Race Street, 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](mailto: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

# First Quarter 2023 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

April 2023

# Contents

- 1. Introduction..... 1
- 2. First Quarter 2023 Review ..... 1
- 3. Upcoming Work—Second Quarter of 2023 ..... 2
- 4. Schedule..... 2

## Appendixes

- A Site Inspection Reports

# 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
- Any delays, modifications or changes anticipated in the upcoming quarter.

This report covers Site-related activities conducted under the CHS permit during the first quarter of 2023, from January 1, 2023, through March 31, 2023.

The Site occupies approximately 10.3 acres, 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-linked security fence is present along the perimeter of the Site. The Site has no 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 in 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 (CH2M, 2007)*; *Site Characterization Report (CH2M, 2009)*; *Near Shore Investigation Report (CH2M, 2009)*; *Interim Remedial Measures Assessment Investigation and Pilot Test Report (CH2M, 2012)*; *Supplemental Site Characterization Report (former arsenic shed area) (Jacobs, 2018)*; *Interim Remedial Measures Assessment (IRMA) Report (Jacobs, 2018)*; the *Corrective Measures Alternatives Analysis Report (Jacobs, 2018)*; Post-Closure Controlled Hazardous Substance (CHS) Permit issued by MDE, dated September 27, 2019; *Cap Construction Completion Report (Jacobs, 2020)*; and *2020 Groundwater Monitoring Data Report (Jacobs, 2021)*.

## 2. First Quarter 2023 Review

Site-related activities performed during the first quarter of 2023 include the following:

- Jan 9: Completed sitewide groundwater and Permeable Reactive Barrier (PRB) monitoring.
- Jan 11: Attended Project Coordinator call with MDE, City of Baltimore.
- Jan 19: Completed monthly site status inspection (Appendix A).
- Jan 19: Performed vegetation control at the Site.
- Jan 27: Submitted the fourth quarter 2022 Site Progress Report to MDE.
- Feb 8: Attended Project Coordinator call with MDE.
- Feb 13: Held site meeting regarding MDTA bridge repair work.
- Feb 16: Completed monthly site status inspection (Appendix A).
- Feb 20: Completed sitewide groundwater monitoring completed.
- Mar 8: Attended Project Coordinator call with MDE, City of Baltimore.
- Mar 20: Completed sitewide groundwater monitoring completed.

- Mar 30: Completed monthly site status inspection (Appendix A).

### 3. Upcoming Work—Second Quarter of 2023

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

- Perform monthly site status inspections and participate in coordinator calls with MDE and City of Baltimore (April, May, June).
- MDTA to continue bridge inspections.
- City of Baltimore to repair vandalized fence and graffiti.
- First quarter 2023 Site Progress report to be submitted to MDE.
- Sitewide groundwater and PRB monitoring.
- Quarterly semiannual Shape Accel Array (SAA)/inclinometer readings.

### 4. Schedule

A schedule of CHS permit activities anticipated during the second quarter of 2023 is provided below.

Milestone	Anticipated Date
<b>April 2023</b>	
Perform PRB & Sitewide Groundwater Monitoring	4-17-23
Perform monthly site status inspection	4-20-23
Submit Q1 2023 Site Progress Report	4-28-23
<b>May 2023</b>	
Perform monthly site status inspection	5-18-23
<b>June 2023</b>	
Perform monthly site status inspection	6-15-23

Appendix A  
Site Inspection Reports

**2000 Race Street  
Monthly Site Inspection Checklist**

Inspector:	Bill Morris	Date of Inspection:	19-Jan-23
Title:	Environmental Engineer	Date of Last Inspection:	15-Dec-22
Organization:	Jacobs	Weather:	Cool, rain

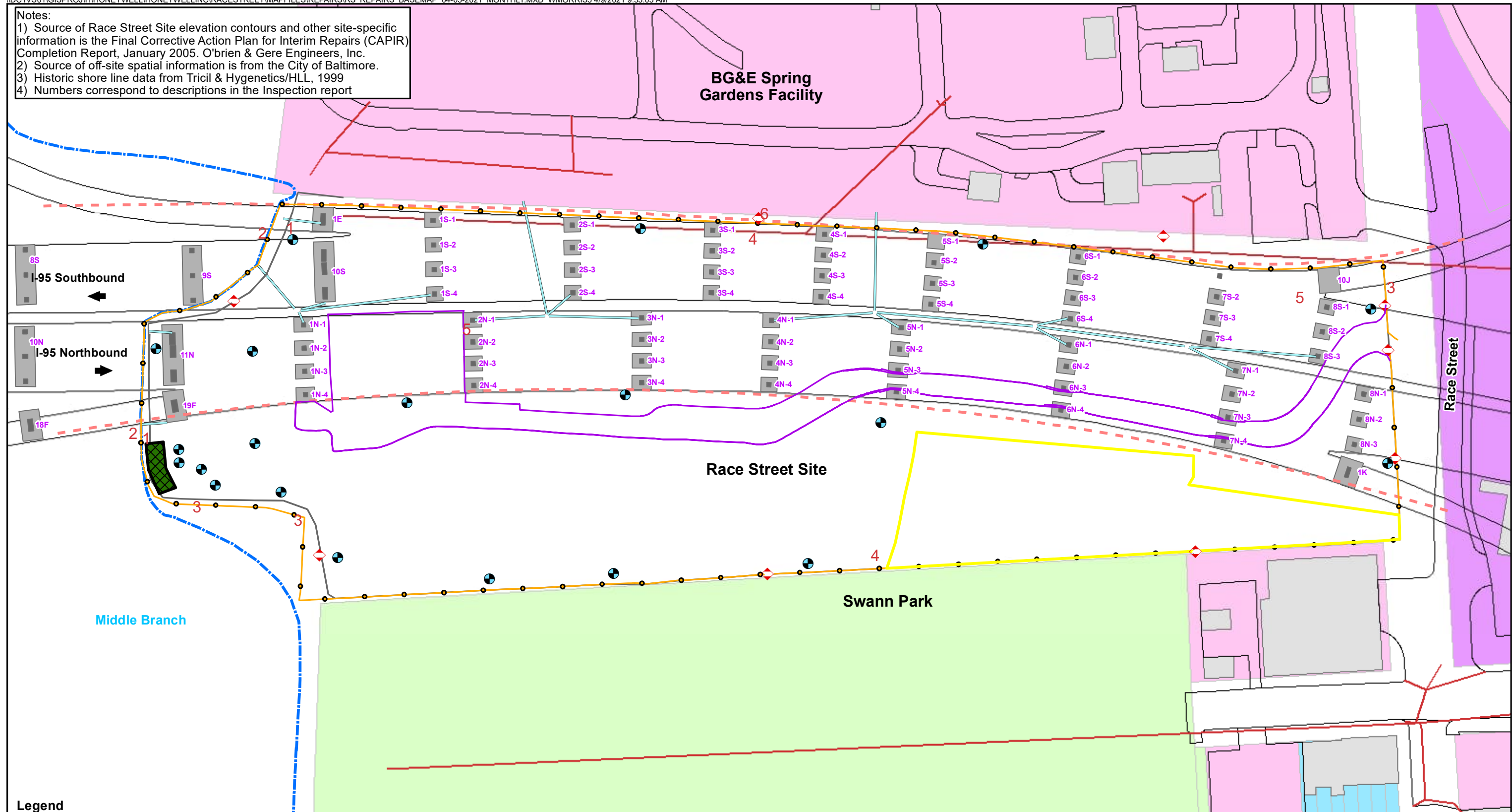
Site Inspection Results				
Task	Observations	Actions Taken	Date Completed	Comments/Additional Observations
<b>1. General</b>				
Inspect site for presence of surface debris. Identify type, approximate volume of debris, and location via description or on Site Plan (attach to Monthly Site Inspection Checklist).	1: Debris from highway maintenance.	MDTA notified of need to implement debris pickup	1/23/2023	MDTA to address debris control 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)	2:Vegetation growth along shoreline. 3:Vegetation growth along fence line.	City notified of need to implement vegetation control	1/19/2023	City of Baltimore to address vegetation control as part of site maintenance.
<b>2. Interstate 95 Footings and Joints</b>				
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
<b>3. Engineered Cap</b>				
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	4: Sediment with vegetation growth 5: Sediment accumulation 6:Settlement along slope adjacent to asphalt	City notified of need to implement vegetation control and sediment cleanup	1/19/2023	City of Baltimore to address vegetation control as part of site maintenance.

**2000 Race Street  
Monthly Site Inspection Checklist**

Site Inspection Results				
Task	Observations	Actions Taken	Date Completed	Comments/Additional Observations
<b>4. Fence</b>				
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
<b>5. Aboveground Stormwater Conveyance System</b>				
Inspect aboveground stormwater conveyance system including piping, downspouts, and drain in southwest corner of site for proper operation	None	None	NA	NA
<b>6. Vandalism</b>				
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
<b>7. Signage</b>				
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
<b>8. Miscellaneous Items</b>				
Any interaction with people on or adjacent to the site? If yes, identify who, title, organization, contact information, and content of interaction	NA			
Other Comments/Observations?	None			

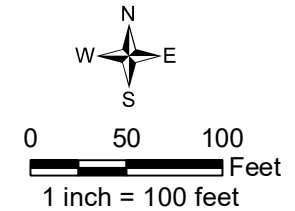


**Notes:**  
 1) Source of Race Street Site elevation contours and other site-specific information is the Final Corrective Action Plan for Interim Repairs (CAPIR) Completion Report, January 2005. O'Brien & Gere Engineers, Inc.  
 2) Source of off-site spatial information is from the City of Baltimore.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



- Legend**
- ◆ Warning Signs
  - 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

January 19, 2023

**Jacobs**

**2000 Race Street  
Monthly Site Inspection Checklist**

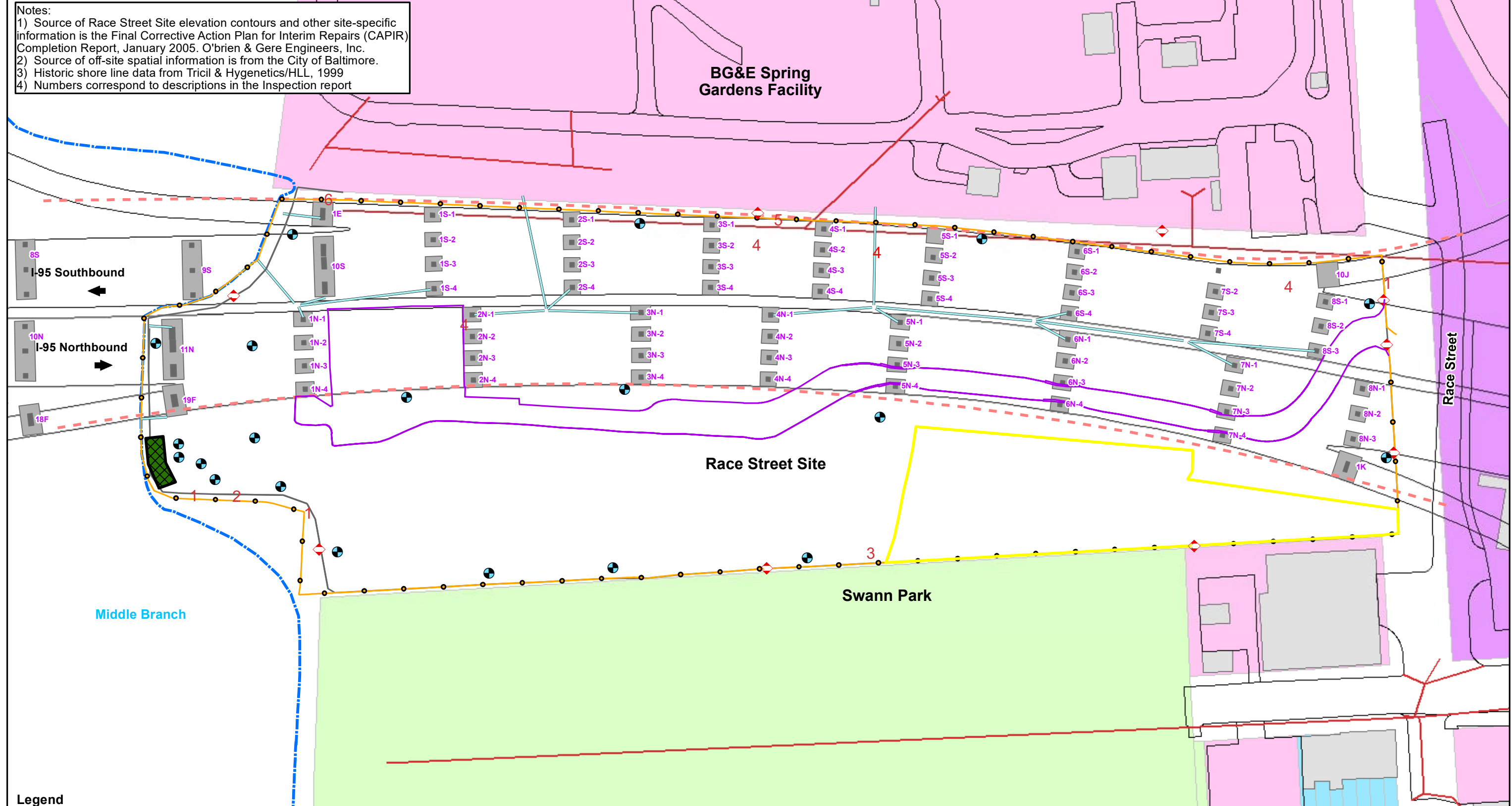
Inspector:	Bill Morris	Date of Inspection:	16-Feb-23
Title:	Environmental Engineer	Date of Last Inspection:	19-Jan-23
Organization:	Jacobs	Weather:	Cool, cloudy

Site Inspection Results				
Task	Observations	Actions Taken	Date Completed	Comments/Additional Observations
<b>1. General</b>				
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 growth along fence line.	City notified of need to implement vegetation control	2/13/2023	City of Baltimore to address vegetation control as part of site maintenance.
<b>2. Interstate 95 Footings and Joints</b>				
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
<b>3. Engineered Cap</b>				
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).	2: Crack with vegetation growth	City notified of need to implement vegetation control	2/13/2023	City of Baltimore to address vegetation control as part of site maintenance.
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	3: Sediment with vegetation growth 4: Sediment accumulation 5:Settlement along slope adjacent to asphalt	City notified of need to implement debris clean up/vegetation control	2/13/2023	City of Baltimore to address debris clean up/vegetation control as part of site maintenance.

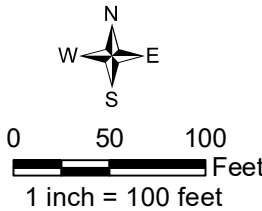
**2000 Race Street  
Monthly Site Inspection Checklist**

Site Inspection Results				
Task	Observations	Actions Taken	Date Completed	Comments/Additional Observations
<b>4. Fence</b>				
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
<b>5. Aboveground Stormwater Conveyance System</b>				
Inspect aboveground stormwater conveyance system including piping, downspouts, and drain in southwest corner of site for proper operation	None	None	NA	NA
<b>6. Vandalism</b>				
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
<b>7. Signage</b>				
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
<b>8. Miscellaneous Items</b>				
Any interaction with people on or adjacent to the site? If yes, identify who, title, organization, contact information, and content of interaction	AI Simkins with MDE was on site for the monthly 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
  - 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  
 February 16, 2023



**2000 Race Street  
Monthly Site Inspection Checklist**

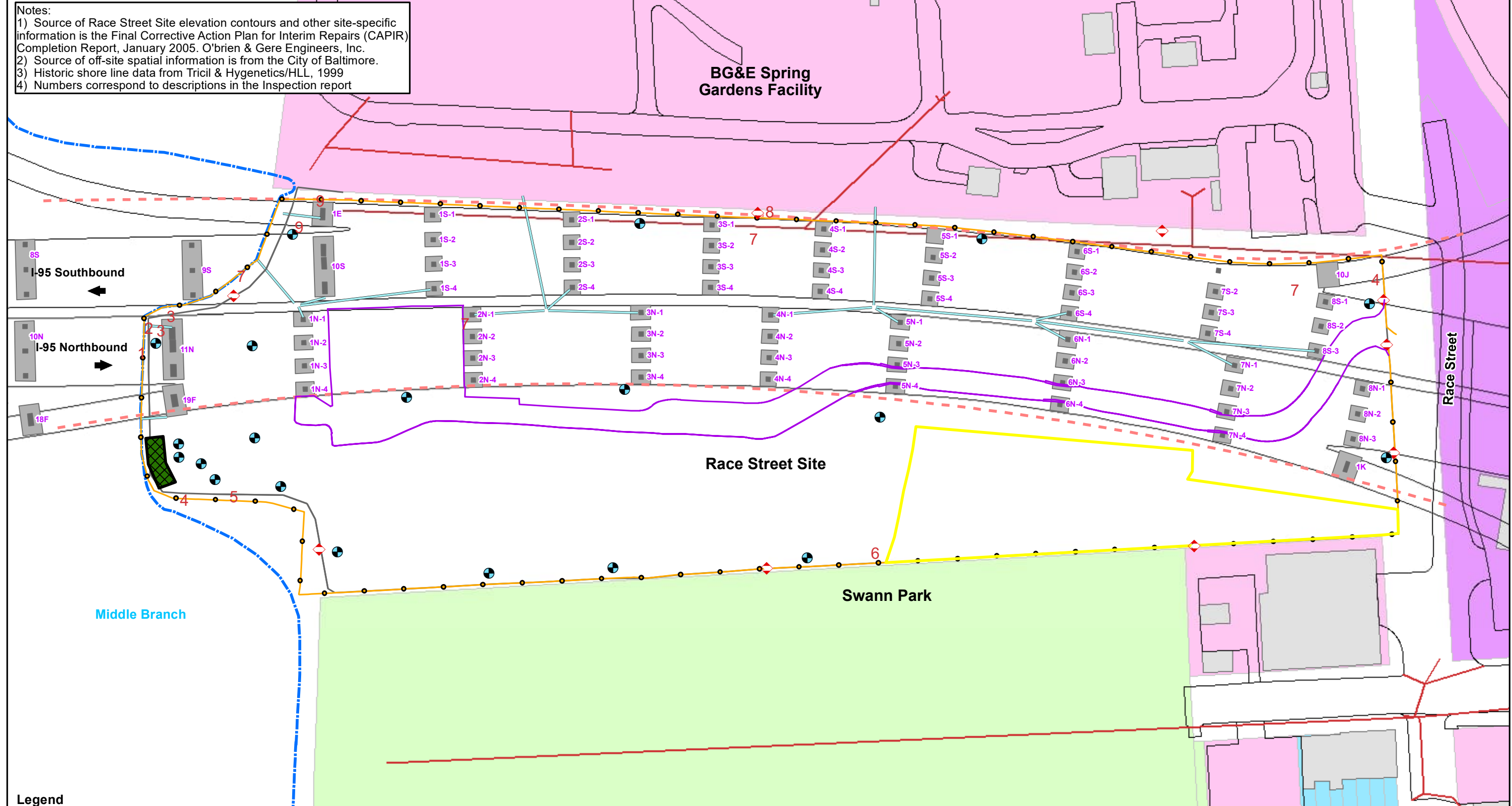
Inspector:	Bill Morris	Date of Inspection:	30-Mar-23
Title:	Environmental Engineer	Date of Last Inspection:	16-Feb-23
Organization:	Jacobs	Weather:	Cool, sunny

Site Inspection Results				
Task	Observations	Actions Taken	Date Completed	Comments/Additional Observations
<b>1. General</b>				
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).	9: Debris from highway maintenance.	None	NA	MDTA's contractor will address site wide debris cleanup when their bridge repair work is completed.
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)	Vegetation growth along fence line.	City notified of need to implement vegetation control	4/6/2023	City of Baltimore to address vegetation control as part of site maintenance.
<b>2. Interstate 95 Footings and Joints</b>				
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
<b>3. Engineered Cap</b>				
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)	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).	5: Crack with vegetation growth	City notified of need to implement vegetation control	4/6/2023	City of Baltimore to address vegetation control as part of site maintenance.
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	6: Sediment with vegetation growth 7: Sediment accumulation Settlement along slope adjacent to asphalt	City notified of need to implement sediment clean up/vegetation control	4/6/2023	City of Baltimore to address sediment clean up/vegetation control as part of site maintenance.

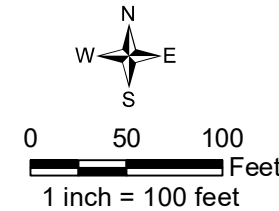
**2000 Race Street  
Monthly Site Inspection Checklist**

Site Inspection Results				
Task	Observations	Actions Taken	Date Completed	Comments/Additional Observations
<b>4. Fence</b>				
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
<b>5. Aboveground Stormwater Conveyance System</b>				
Inspect aboveground stormwater conveyance system including piping, downspouts, and drain in southwest corner of site for proper operation	None	None	NA	NA
<b>6. Vandalism</b>				
Inspect site for any vandalism including any dumped material on-site and damage to monitoring wells	2: VMP PVC casing damaged	None	NA	Jacobs to look into the possibility of abandoning the VMP locations
Identify any other observations related to vandalism on the site	1: Hole cut in fence. 3: Graffiti on concrete pier cap	City notified of need to implement fence repair and graffiti clean up	4/3/2023	City of Baltimore fixed fence and painted over graffiti
<b>7. Signage</b>				
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
<b>8. Miscellaneous Items</b>				
Any interaction with people on or adjacent to the site? If yes, identify who, title, organization, contact information, and content of interaction	AI Simkins with MDE was on site for the monthly inspection. MDTA contractor onsite performing maintenance on the elevated highway.			
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**
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  - Existing Shoreline
  - Fence/Approximate Property Boundary and Limit of Engineered Cap
  - Fence Installed on Jersey Barriers
  - Baltimore Stormwater Pipe
  - Buildings
  - Concrete Column
  - Concrete Footer
  - PRB
  - Commercial
  - Exempt Commercial
  - Industrial
  - Residential



Monthly Inspection Map  
 Race Street Site  
 Baltimore, MD  
 March 30, 2023

