
First Quarter 2014 Race Street Quarterly Site Progress Report, 2000 Race Street, Baltimore, Maryland

Prepared for

Honeywell International Inc.

The Mayor and City Council of Baltimore, Maryland

April 2014

CH2MHILL®

15010 Conference Center Drive Suite 200
Chantilly, VA 20151

Contents

Section	Page
1 Introduction.....	1-1
2 Quarter in Review	2-1
3 Upcoming Work and Submittals during the Second Quarter of 2014	3-1
4 Schedule	4-1
Appendixes	
A Site Inspection Reports	

SECTION 1

Introduction

Honeywell International Inc. (Honeywell) and the Mayor and City Council of Baltimore (City) are submitting this Quarterly Site Progress Report for the 2000 Race Street Site (Site) pursuant to the May 23, 2007, Administrative Consent Order (Consent Order) between the Maryland Department of the Environment (MDE), Honeywell, and the City. Quarterly Site Progress Reports will be submitted to MDE for the duration of the Consent Order. As specified within Section III.F of the Consent Order, the reports will identify 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 Consent Order during the first quarter of 2014, from January 1 through March 31, 2014.

The Site is located at 2000 Race Street, in Baltimore, Maryland (ZIP Code 21230). It occupies approximately 10.3 acres and is bounded on the north by the Baltimore Gas and Electric (BGE) 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 (CHS) are contained on the Site and covered with an engineered cap consisting of the following materials from top to bottom: asphalt, gravel base, and compacted clay. Cap maintenance is ongoing. Additional information regarding the Site is provided in several documents, including the May 23, 2007, Consent Order; the "Site Characterization Work Plan," dated September 2007; the "Site Characterization Report," dated September 2009; the "Near Shore Investigation Report," dated December 2009; and the "Interim Remedial Measures Assessment Investigation and Pilot Test Report," dated July 2012.

SECTION 2

Quarter in Review

Site-related activities performed during the first quarter of 2014 include the following:

- January 16: Monthly Site status call with MDE;
- January 17: Meeting with MdTA for discussion on bridge modification design;
- January 23: Monthly Site status inspection (Appendix A);
- February 21: Meeting with MDE and MdTA for discussion on bridge modification design;
- February 26: Monthly Site status inspection (Appendix A);
- March 5: Monthly Site status call with MDE; and
- March 13: Monthly Site status inspection (Appendix A).

SECTION 3

Upcoming Work and Submittals during the Second Quarter of 2014

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

- April, May, June: Conduct monthly Site status inspections and participate in monthly Site status calls with MDE;
- Meet with MDE, City of Baltimore, and MdTA for discussion on bridge modification design;
- Perform quarterly inclinometer readings; and
- Submit the First Quarter 2014 Site Status report to MDE by April 30, 2014.

SECTION 4

Schedule

A schedule of activities anticipated during the second quarter of 2014 is provided below.

Milestone	Anticipated Date
April 2014	
Perform monthly Site status inspection	4-17-14
Submit first quarter 2014 Site Status Report	4-30-14
May 2014	
Perform monthly Site status inspection	TBD
Meet with MdTA for discussion on bridge modification design	TBD
Submit Bridge Monitoring Report (2nd half of 2013 monitoring period)	TBD
June 2014	
Perform monthly Site inspection	TBD
Perform quarterly inclinometer readings	TBD

Appendix A
Site Inspection Reports

**2000 Race Street
Monthly Site Inspection Checklist**

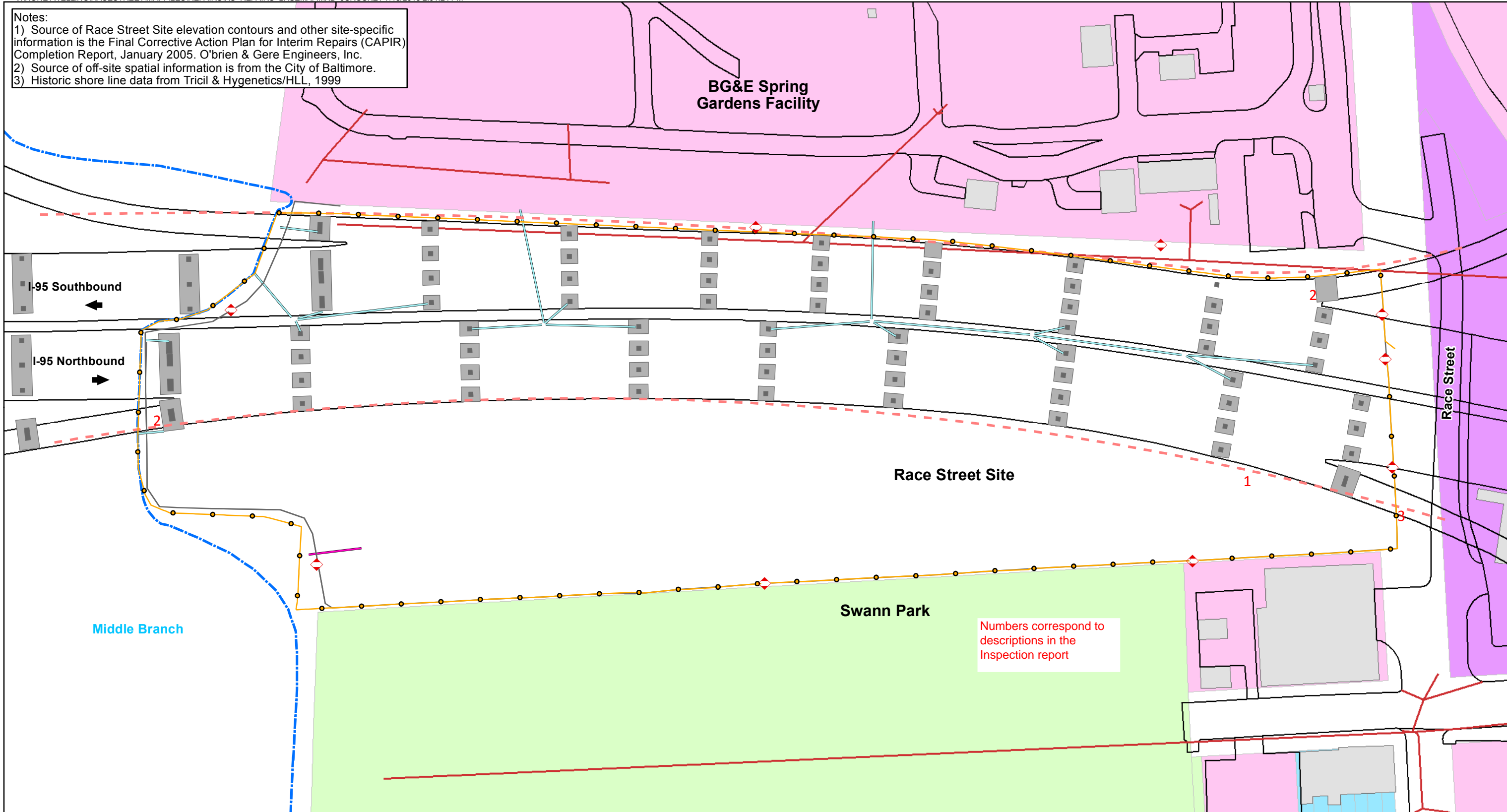
Inspector:	Kenneth Biles	Date of Inspection:	23-Jan-14
Title:	Assistant Project Manager	Date of Last Inspection:	18-Dec-13
Organization:	CH2M HILL	Weather:	COLD and Windy, Snow on ground limiting inspection of site

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 - The cap surface is covered in snow limiting the view of the surface.	NA	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	NA	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	NA	NA	NA
Inspect around pier footings for joint failure. Identify location via description or on Site Plan (attach to Monthly Site Inspection Checklist)	None	NA	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)	1) Area of Alligator Cracking	Add to specifications for new cap repair cycle	NA	Cap repairs including crack sealing and asphalt patching will be performed during Q3 2014.
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	NA	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	NA	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	NA	NA	NA
Inspect cap for any signs of ponding of water	None	NA	NA	NA
Inspect shorefront embankment for evidence of erosion or releases	None	NA	NA	NA
Identify any other observations related to the condition of the cap and potential for cap damage	None	NA	NA	NA
4. Fence				

**2000 Race Street
Monthly Site Inspection Checklist**

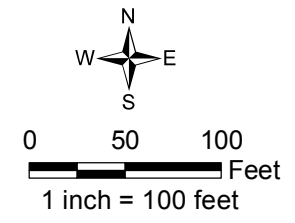
Site Inspection Results				
Task	Observations	Actions Taken	Date Completed	Comments/Additional Observations
Inspect fence for holes. Note number of holes. Identify location of holes via description or on Site Plan (attach to Monthly Site Inspection Checklist).	None	NA	NA	NA
Inspect fence to determine if there is any erosion compromising the integrity of the fence	None	NA	NA	NA
Inspect fence to determine if barbed wire is in good condition	3) damaged section of barbed wire	None	NA	Site maintenance including fence repairs will be performed by the City.
Inspect gates, chains, and locks for damage	None	NA	NA	NA
Inspect fence to determine if any vegetation is damaging or otherwise compromising fence	None	NA	NA	NA
Inspect fence to determine if there is any burrowing beneath fence	None	NA	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	NA	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	2) Storm drain leaders blown off by ice draining from storm drain system	None	NA	MdTA will perform inspection and maintenance on the bridge.
6. Vandalism				
Inspect site for any vandalism including any dumped material on-site and damage to monitoring wells	None	NA	NA	NA
Identify any other observations related to vandalism on the site	None	NA	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	NA	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	Jim Leizear (MDE) and Josh Floyd (ERM) onsite during site visit.			
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



Numbers correspond to descriptions in the Inspection report

- Legend**
- ◊ Warning Signs
 - Edge of Pavement
 - - - Approximate Limits of I-95 Former Below
 - Ground Stormwater System (Abandoned)
 - Below Ground Stormwater System
 - Existing Shoreline
 - Fence/Approximate Property Boundary and Limit of Engineered Cap
 - Baltimore Stormwater Pipe
 - Commercial
 - Exempt Commercial
 - Industrial
 - Residential
 - Buildings
 - Concrete Column
 - Concrete Footer



Monthly Inspection Map
 Race Street Site
 Baltimore, MD
 January 23, 2014



**2000 Race Street
Monthly Site Inspection Checklist**

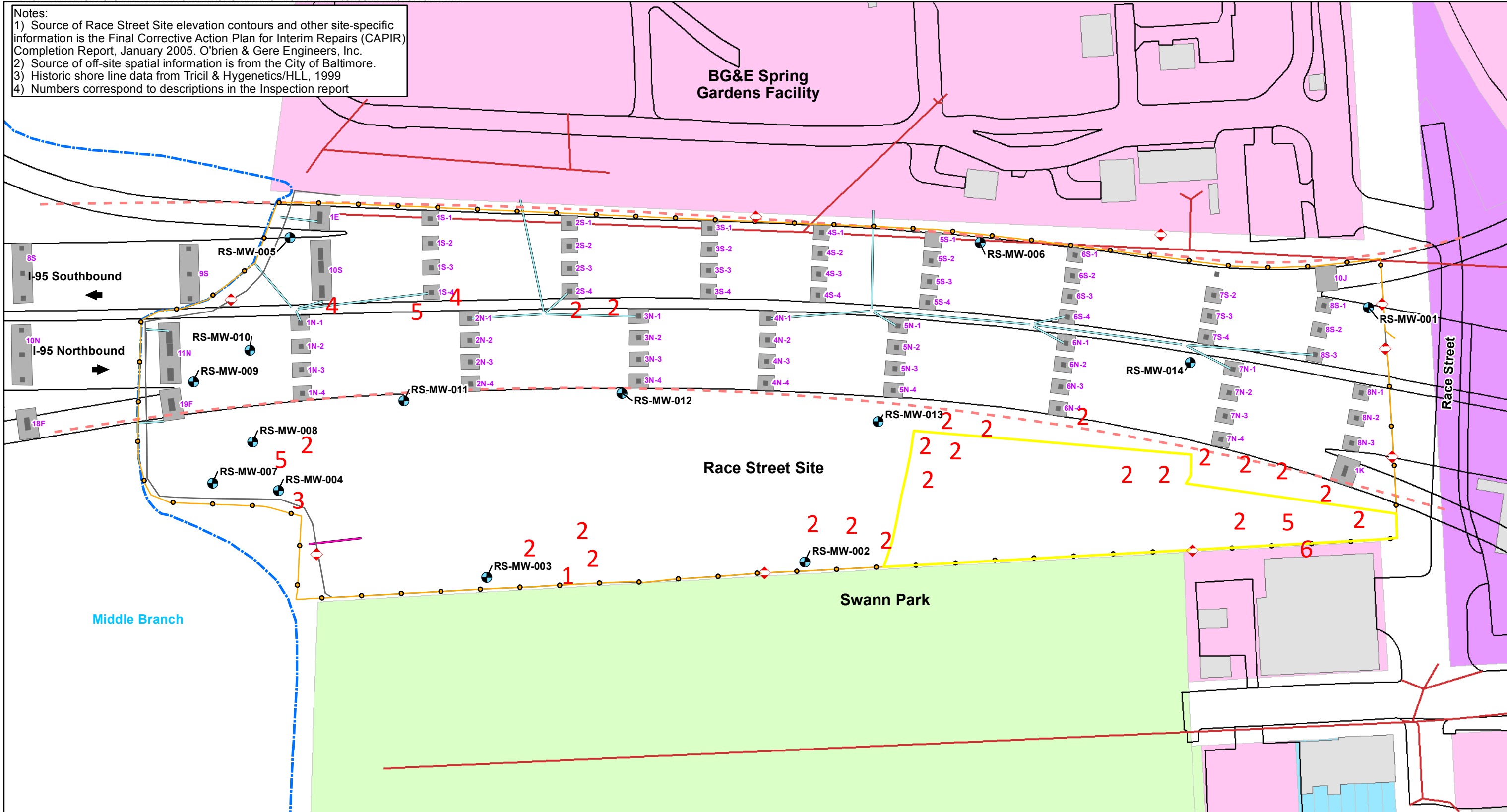
Inspector:	Kenneth Biles	Date of Inspection:	26-Feb-14
Title:	Assistant Project Manager	Date of Last Inspection:	23-Jan-14
Organization:	CH2M HILL	Weather:	COLD and Windy, Light Snow (It was actively snowing during the site visit limited visual observations)

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 - 1/4 of cap surface is covered in snow limiting visual inspection.	NA	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)	3) Small area with vegetation.	NA	NA	Site maintenance including herbicide treatment of vegetation are performed on a periodic basis by the City.
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	NA	NA	NA
Inspect around pier footings for joint failure. Identify location via description or on Site Plan (attach to Monthly Site Inspection Checklist)	None	NA	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)	5) Area of Alligator Cracking	NA	NA	Cap repairs are periodically performed including crack sealing and asphalt patching.
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	NA	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) Area with ~1/4 inch wide cracks in asphalt surface	NA	NA	Cap repairs including crack sealing and asphalt patching will be performed during Q3 2014.
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).	1) Area with ~1/2" wide crack in asphalt surface	NA	NA	Cap repairs including crack sealing and asphalt patching will be performed during Q3 2014.
Inspect cap for any signs of ponding of water	None	NA	NA	NA
Inspect shorefront embankment for evidence of erosion or releases	None	NA	NA	NA
Identify any other observations related to the condition of the cap and potential for cap damage	None	NA	NA	NA
4. Fence				

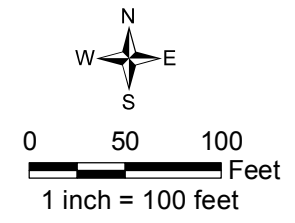
**2000 Race Street
Monthly Site Inspection Checklist**

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	NA	NA	NA
Inspect fence to determine if there is any erosion compromising the integrity of the fence	None	NA	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	NA	NA	NA
Inspect fence to determine if any vegetation is damaging or otherwise compromising fence	6) Vine growing on fence and into barbed wire	NA	NA	City will perform site maintenance including herbicide treatment of vegetation
Inspect fence to determine if there is any burrowing beneath fence	None	NA	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	NA	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	4) End cap missing on stormwater down spout.	MdTA notified	3/3/2014	MdTA will perform maintenance on the bridge during Q2 2014.
6. Vandalism				
Inspect site for any vandalism including any dumped material on-site and damage to monitoring wells	None	NA	NA	NA
Identify any other observations related to vandalism on the site	None	NA	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	NA	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	Jim Leizear (MDE) and Greg Sneeringer (ERM) onsite during site visit.			
Other Comments/Observations?				

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
 - Edge of Pavement
 - Approximate Limits of I-95 Former Below
 - Ground Stormwater System (Abandoned)
 - Below Ground Stormwater System
 - Existing Shoreline
 - 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



Monthly Inspection Map
 Race Street Site
 Baltimore, MD
February 26, 2014



**2000 Race Street
Monthly Site Inspection Checklist**

Inspector:	Kenneth Biles	Date of Inspection:	13-Mar-14
Title:	Assistant Project Manager	Date of Last Inspection:	26-Feb-14
Organization:	CH2M HILL	Weather:	Cold with high winds

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).	7) trash and debris	Some trash collected and removed during site visit	26-Mar-14	City periodically performs site-wide cleanup of trash and debris
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)	3) Vegetation	None	NA	Site maintenance including herbicide treatment of vegetation are performed on a periodic basis by the City.
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	NA	NA	NA
Inspect around pier footings for joint failure. Identify location via description or on Site Plan (attach to Monthly Site Inspection Checklist)	None	NA	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)	6) areas with alligator cracking	None	NA	Cap repairs will be performed during Q3 2014 including crack sealing and asphalt patching.
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)	1) Small hole in asphalt surface 10) Depression in asphalt surface	None	NA	Cap repairs will be performed during Q3 2014 including crack sealing and asphalt patching.
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) Multiple areas with small cracks in asphalt surface	None	NA	Cap repairs will be performed during Q3 2014 including crack sealing and asphalt patching.
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).	4) cracks in asphalt surface along edge of cap	Note for repair during surface maintenance	NA	Cap repairs will be performed during Q3 2014 including crack sealing and asphalt patching.
Inspect cap for any signs of ponding of water	None	NA	NA	NA
Inspect shorefront embankment for evidence of erosion or releases	None	NA	NA	NA
Identify any other observations related to the condition of the cap and potential for cap damage	None	NA	NA	NA
4. Fence				

**2000 Race Street
Monthly Site Inspection Checklist**

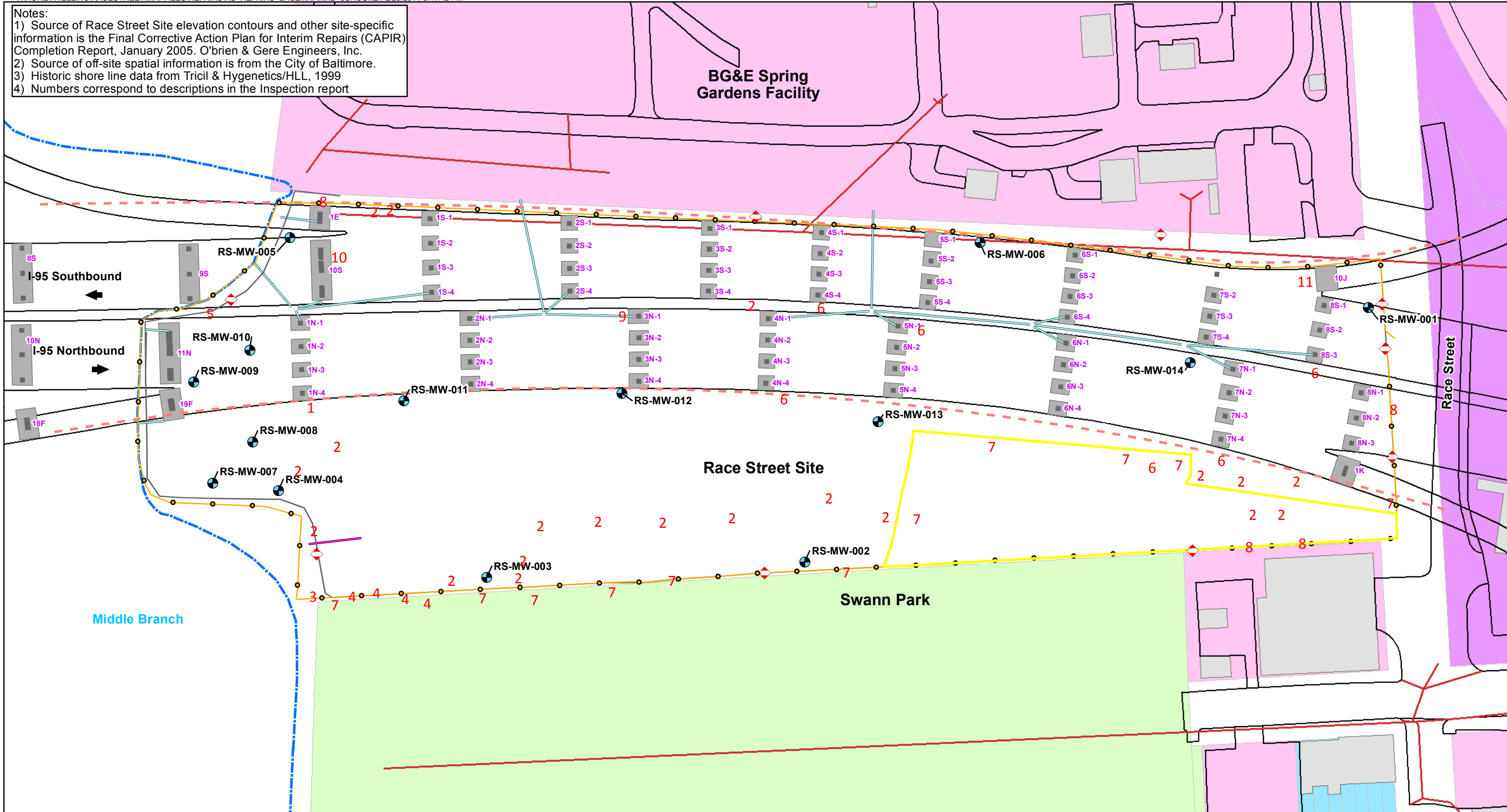
Site Inspection Results				
Task	Observations	Actions Taken	Date Completed	Comments/Additional Observations
Inspect fence for holes. Note number of holes. Identify location of holes via description or on Site Plan (attach to Monthly Site Inspection Checklist).	None	NA	NA	NA
Inspect fence to determine if there is any erosion compromising the integrity of the fence	None	NA	NA	NA
Inspect fence to determine if barbed wire is in good condition	5) Barbed wire out of top guard	None	NA	City will perform site maintenance including fence repairs.
Inspect gates, chains, and locks for damage	None	NA	NA	NA
Inspect fence to determine if any vegetation is damaging or otherwise compromising fence	8)	NA		City will perform site maintenance including herbicide treatment of vegetation
Inspect fence to determine if there is any burrowing beneath fence	None	NA	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	NA	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	9) damaged down pipe 11) Leader off surface water down spout	None	NA	MdTA scheduled inspections and routine maintenance on the I-95 bridge sections above the site during April 2014.
6. Vandalism				
Inspect site for any vandalism including any dumped material on-site and damage to monitoring wells	None	NA	NA	NA
Identify any other observations related to vandalism on the site	None	NA	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	NA	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	Jim Leizear (MDE) and Greg Sneeringer (ERM) were onsite during site visit.			
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

BG&E Spring Gardens Facility

Race Street Site

Swann Park



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
 March 13, 2014

