

101 Columbia Road  
Morristown, NJ 07962-1139  
Tel: 973-455-4131  
Fax: 973-455-3082

January 29, 2014

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

Subject: Transmittal of Quarterly Site Progress Report, Fourth Quarter 2013  
2000 Race Street Site, Baltimore, Maryland

Dear Mr. Hammerberg:

Please find attached the Fourth Quarter 2013 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 requirements of Section III.A of the 2000 Race Street Site Consent Order (effective date of May 23, 2007).

If you have any questions or require additional information, please do not hesitate to contact me at 973-455-4131.

Very truly yours,

**HONEYWELL INTERNATIONAL INC.**



Christopher M. French, R.G., C.E.G.  
Manager, Remediation & Evaluation Services

Attachment

cc: Mr. Matthew Zimmerman (MDE)  
Mr. Ed Dexter (MDE)  
Mr. Jim Carroll (MDE)  
Mr. Michael Daneker (Arnold & Porter)  
Ms. Dawn Lettman (City of Baltimore)  
Mr. Michael Cook (City of Baltimore)  
Mr. Gary Walters (ERM)

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# Fourth Quarter 2013 Race Street Quarterly Site Progress Report, 2000 Race Street, Baltimore, Maryland

Prepared for

**Honeywell International Inc.**

**The Mayor and City Council of Baltimore, Maryland**

January 2014

**CH2MHILL®**

15010 Conference Center Drive Suite 200  
Chantilly, VA 20151

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## SECTION 1

# Introduction

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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 fourth quarter of 2013, from October 1 through December 31, 2013.

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

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Site-related activities performed during the fourth quarter of 2013 include the following:

- October 17: Monthly Site status inspection (Appendix A);
- November 1: Monthly Site status call with MDE;
- November 21: Monthly Site status inspection (Appendix A);
- December 3: Obtained inclinometer readings;
- December 12: Monthly Site status call with MDE; and
- December 19: Monthly Site status inspection (Appendix A).

SECTION 3

## Upcoming Work and Submittals during the First Quarter of 2014

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

- January, February, and March: Conduct monthly Site status inspections and participate in monthly Site status calls with MDE;
- Perform quarterly inclinometer readings;
- Submit the Fourth Quarter 2013 Site Status report to MDE by January 30, 2014;
- Submit the Bridge Monitoring report to MDE for the period July 1 through December 31, 2013; and
- Conduct planning meeting with MDE, MdTA, City of Baltimore and Honeywell.

SECTION 4

# Schedule

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

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<b>Milestone</b>	<b>Anticipated Date</b>
<b><i>January 2014</i></b>	
Perform monthly Site inspection	1-23-14
Submit fourth quarter 2013 Site Status Report	1-30-14
<b><i>February 2014</i></b>	
Perform monthly Site status inspection	TBD
Submit Bridge Monitoring Report (2nd half of 2013 monitoring period)	TBD
MDE-MdTA-COB-HON Meeting	TBD
<b><i>March 2014</i></b>	
Perform monthly Site inspection	TBD
Perform quarterly inclinometer readings	TBD

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**Appendix A**  
**Site Inspection Reports**

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**2000 Race Street  
Monthly Site Inspection Checklist**

Inspector:	Kenneth Biles	Date of Inspection:	17-Oct-13
Title:	Assistant Project Manager	Date of Last Inspection:	19-Sep-13
Organization:	CH2M HILL	Weather:	Cloudy with Light 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).	None	None	NA	None
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) Dead Vegetation 4) Live Vegetation	None	NA	Herbicide application was applied to site on August 20, 2013.
<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	None
Inspect around pier footings for joint failure. Identify location via description or on Site Plan (attach to Monthly Site Inspection Checklist)	None	None	NA	None
<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)	2) Alligator Cracking	None	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	None	NA	None
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).	1) cracks in asphalt surface.	None	NA	Cap repairs are periodically performed 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).	None	None	NA	None
Inspect cap for any signs of ponding of water	None	None	NA	None
Inspect shorefront embankment for evidence of erosion or releases	None	None	NA	None
Identify any other observations related to the condition of the cap and potential for cap damage	None	None	NA	None
<b>4. Fence</b>				

**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	None
Inspect fence to determine if there is any erosion compromising the integrity of the fence	None	None	NA	None
Inspect fence to determine if barbed wire is in good condition	5) Missing barbed wire on fence	City notified on 10-18-13.		Site maintenance including fence repairs are performed on a periodic basis.
Inspect gates, chains, and locks for damage	None	None	NA	None
Inspect fence to determine if any vegetation is damaging or otherwise compromising fence	None	None	NA	None
Inspect fence to determine if there is any burrowing beneath fence	None	None	NA	None
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	None
<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	None
<b>6. Vandalism</b>				
Inspect site for any vandalism including any dumped material on-site and damage to monitoring wells	None	None	NA	None
Identify any other observations related to vandalism on the site	None	None	NA	None
<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	None
<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	Jim Leizear (MDE) and Josh Floyd (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

BG&E Spring Gardens Facility

I-95 Southbound

I-95 Northbound

Race Street

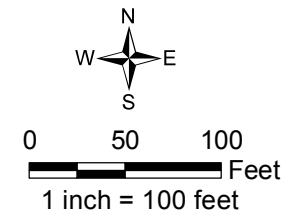
Race Street Site

Swann Park

Middle Branch

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  
 October 17, 2013



**2000 Race Street  
Monthly Site Inspection Checklist**

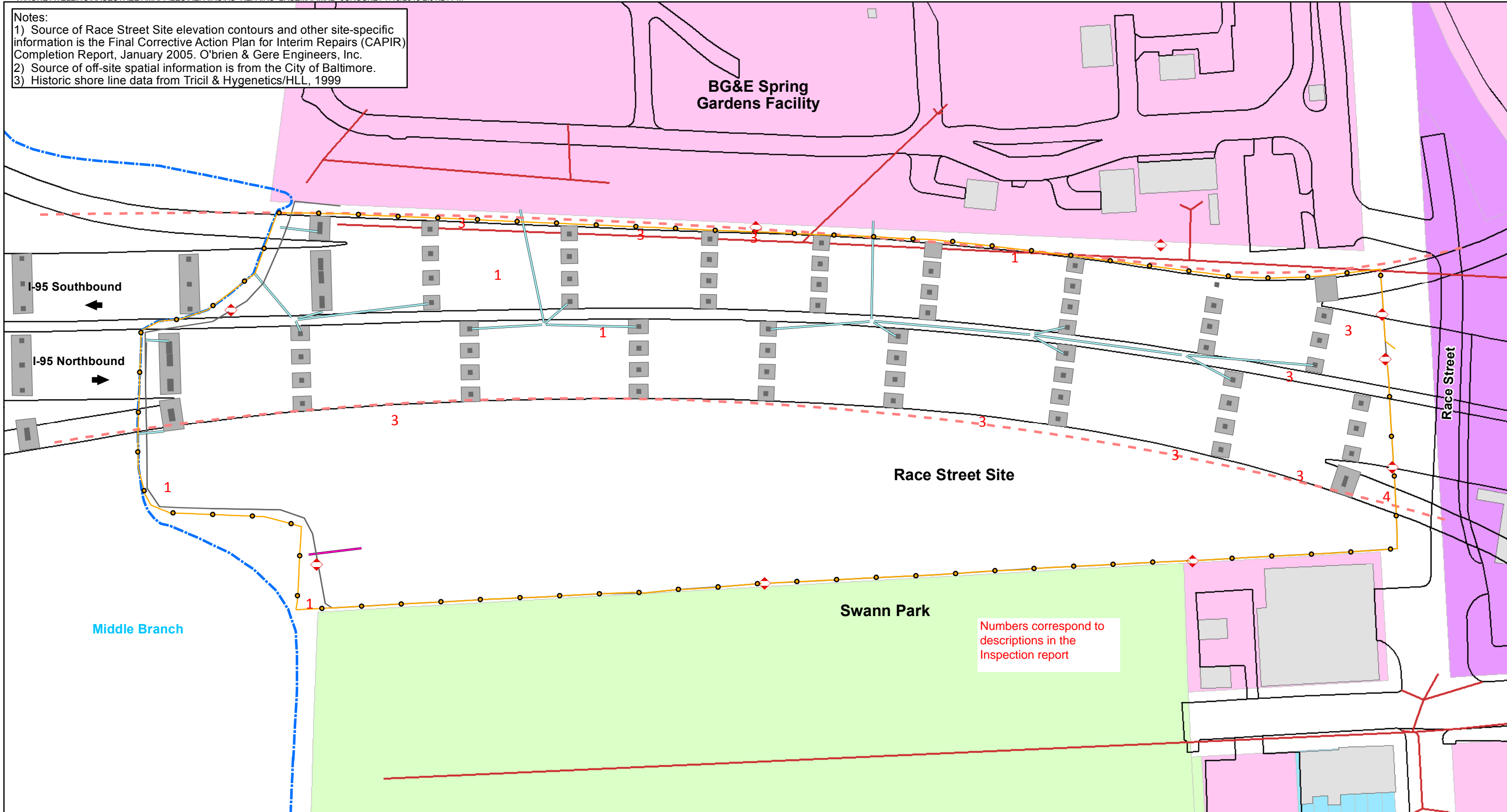
Inspector:	Kenneth Biles	Date of Inspection:	21-Nov-13
Title:	Assistant Project Manager	Date of Last Inspection:	17-Oct-13
Organization:	CH2M HILL	Weather:	Clear, Cold, Sunny

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).	Some trash and debris present across site.	None	NA	Trash and debris will be removed during periodic site-wide trash pickup performed by the City.
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 is dormant across the site	None	NA	None
<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	None
Inspect around pier footings for joint failure. Identify location via description or on Site Plan (attach to Monthly Site Inspection Checklist)	None	None	NA	None
<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)	3) Localized areas with cracks in asphalt surface.	None	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	None	NA	None
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) Varying lengths of small cracks.	None	NA	Cap repairs are periodically performed 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).	None	NA	NA	None
Inspect cap for any signs of ponding of water	None	None	None	None
Inspect shorefront embankment for evidence of erosion or releases	None	NA	NA	None
Identify any other observations related to the condition of the cap and potential for cap damage	None	NA	NA	None
<b>4. Fence</b>				

**2000 Race Street  
Monthly Site Inspection Checklist**

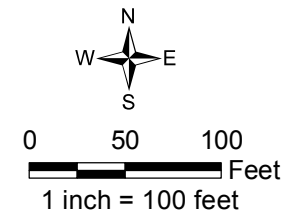
Site Inspection Results				
Task	Observations	Actions Taken	Date Completed	Comments/Additional Observations
Inspect fence for holes. Note number of holes. Identify location of holes via description or on Site Plan (attach to Monthly Site Inspection Checklist).	None	NA	NA	None
Inspect fence to determine if there is any erosion compromising the integrity of the fence	None	NA	NA	None
Inspect fence to determine if barbed wire is in good condition	4) Missing barbed wire on fence	City notified on 10-18-13.	NA	Site maintenance including fence repairs are performed on a periodic basis by the City.
Inspect gates, chains, and locks for damage	None	NA	NA	None
Inspect fence to determine if any vegetation is damaging or otherwise compromising fence	1) Dormant vegetation on fence in this area	None	NA	None
Inspect fence to determine if there is any burrowing beneath fence	None	NA	NA	None
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	None
<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	NA	NA	None
<b>6. Vandalism</b>				
Inspect site for any vandalism including any dumped material on-site and damage to monitoring wells	None	NA	NA	None
Identify any other observations related to vandalism on the site	None	NA	NA	None
<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	NA	NA	None
<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	Jim Leizear (MDE) and Josh Floyd (ERM) were present 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  
 November 21, 2013



**2000 Race Street  
Monthly Site Inspection Checklist**

Inspector:	Kenneth Biles	Date of Inspection:	18-Dec-13
Title:	Assistant Project Manager	Date of Last Inspection:	21-Nov-13
Organization:	CH2M HILL	Weather:	Clear and Cold

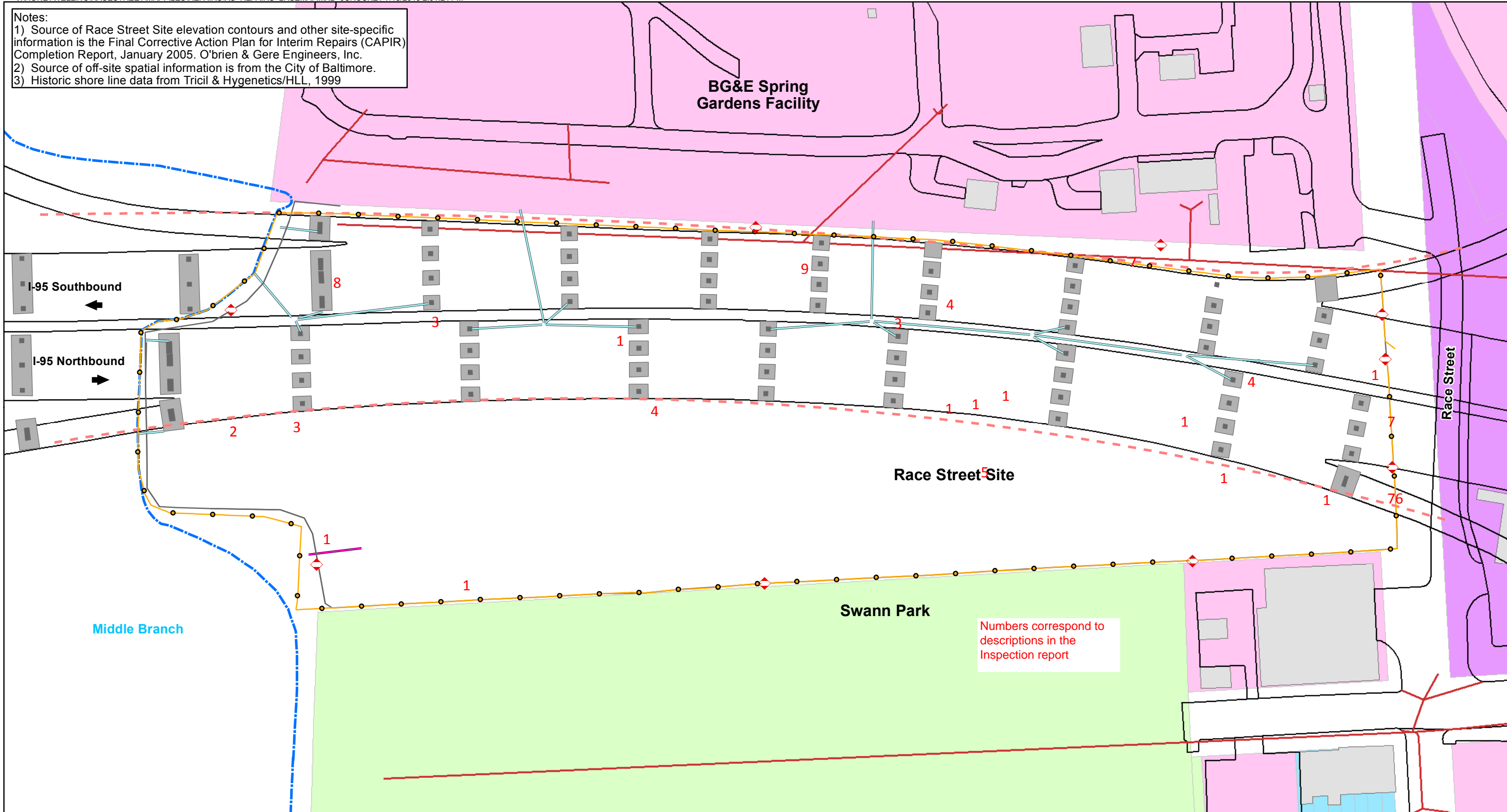
Site Inspection Results				
Task	Observations	Actions Taken	Date Completed	Comments/Additional Observations
<b>1. General</b>				
Inspect site for presence of surface debris. Identify type, approximate volume of debris, and location via description or on Site Plan (attach to Monthly Site Inspection Checklist).	5) Piles of trash in the parking area for Swann Park	City notified of need to perform site-wide trash cleanup.	31-Dec-13	None
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	None
<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	None
Inspect around pier footings for joint failure. Identify location via description or on Site Plan (attach to Monthly Site Inspection Checklist)	None	None	NA	None
<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)	3) Various sized areas of cracking on the surface	None	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)	8) Small area of settlement	None	NA	Cap repairs are periodically performed 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).	1) Cracks of various lengths identified visually	None	NA	Cap repairs are periodically performed 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).	None	None	NA	None
Inspect cap for any signs of ponding of water	4) Localized area with standing water	None	NA	None
Inspect shorefront embankment for evidence of erosion or releases	None	None	NA	None
Identify any other observations related to the condition of the cap and potential for cap damage	2) Localized asphalt damage	None	NA	Cap repairs are periodically performed including crack sealing and asphalt patching.
<b>4. Fence</b>				

**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	None
Inspect fence to determine if there is any erosion compromising the integrity of the fence	None	None	NA	None
Inspect fence to determine if barbed wire is in good condition	6) Missing barbed wire on fence	City notified.	12/31/2013	Site maintenance including fence repairs are performed on a periodic basis by the City.
Inspect gates, chains, and locks for damage	None	None		
Inspect fence to determine if any vegetation is damaging or otherwise compromising fence	7) Vegetation on barbed wire	City notified.	12/31/2013	Site maintenance including fence repairs are performed on a periodic basis by the City.
Inspect fence to determine if there is any burrowing beneath fence	None	None	NA	None
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	None
<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	9) storm water down spouts appear to be clogged as pier was wet	MdTA to be notified on 1-8-14	NA	None
<b>6. Vandalism</b>				
Inspect site for any vandalism including any dumped material on-site and damage to monitoring wells	None	None	NA	None
Identify any other observations related to vandalism on the site	None	None	NA	None
<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	None
<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	Jim Leizear (MDE) and Josh Floyd (ERM) were present during site visit.			
Other Comments/Observations?				

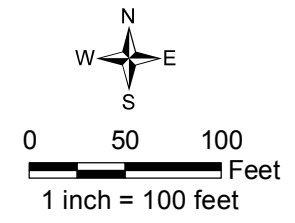


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  - Below Ground Stormwater System
  - Existing Shoreline
  - Fence/Approximate Property Boundary and Limit of Engineered Cap
  - Baltimore Stormwater Pipe
  - Commercial
  - Exempt Commercial
  - Industrial
  - Residential
  - Buildings
  - Concrete Column
  - Concrete Footer



Monthly Inspection Map  
 Race Street Site  
 Baltimore, MD  
 December 18, 2013

