

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

April 25, 2013

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, First Quarter 2013  
2000 Race Street Site, Baltimore, Maryland

Dear Mr. Hammerberg:

Please find attached the First 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)

---

# First Quarter 2013 Race Street Quarterly Site Progress Report, 2000 Race St., Baltimore, Maryland

Prepared for

Honeywell International Inc.

The Mayor and City Council of Baltimore, Maryland

April 2013

**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 2013 .....	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 2013, from January 1 through March 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

---

Activities performed at the Site during the first quarter of 2013 include the following:

- January 18: Monthly Site status call with MDE;
- January 24: Monthly Site status inspection (Appendix A);
- January 30: 4th quarter Site status report submitted to MDE;
- February 20: Monthly Site status call with MDE;
- February 21: Monthly Site status inspection (Appendix A);
- February 28: Inclinator readings taken;
- March 27: Monthly Site status call with MDE;
- March 28: Monthly Site status inspection (Appendix A); and
- March 29: Asphalt cap repairs completed.

### SECTION 3

## Upcoming Work and Submittals during the Second Quarter of 2013

---

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

- April, May, and June: conduct monthly Site status inspections and participate in monthly Site status calls with MDE;
- Initiate third party peer review of hydrodynamics associated with potential reactive barrier installation (potential IRM candidate technology) ;
- Perform quarterly inclinometer readings; and
- Submit the first quarter 2013 Site status report to MDE by April 30, 2013.

## SECTION 4

# Schedule

---

A schedule of activities anticipated during the first quarter of 2013 is provided below.

Milestone	Anticipated Date
<b><i>April 2013</i></b>	
Perform monthly Site inspection	4-18-13
Submit first quarter 2013 Site Status Report	4-30-13
<b><i>May 2013</i></b>	
Perform monthly Site status inspection	5-30-13
<b><i>June 2013</i></b>	
Perform monthly Site inspection	TBD
Perform quarterly inclinometer readings	TBD
<b><i>Third Quarter 2013</i></b>	
Submit Second Quarter 2013 Site Status Report	7-30-2013

---

## Appendix A

### Site Inspection Reports

---



**2000 Race Street  
Monthly Site Inspection Checklist**

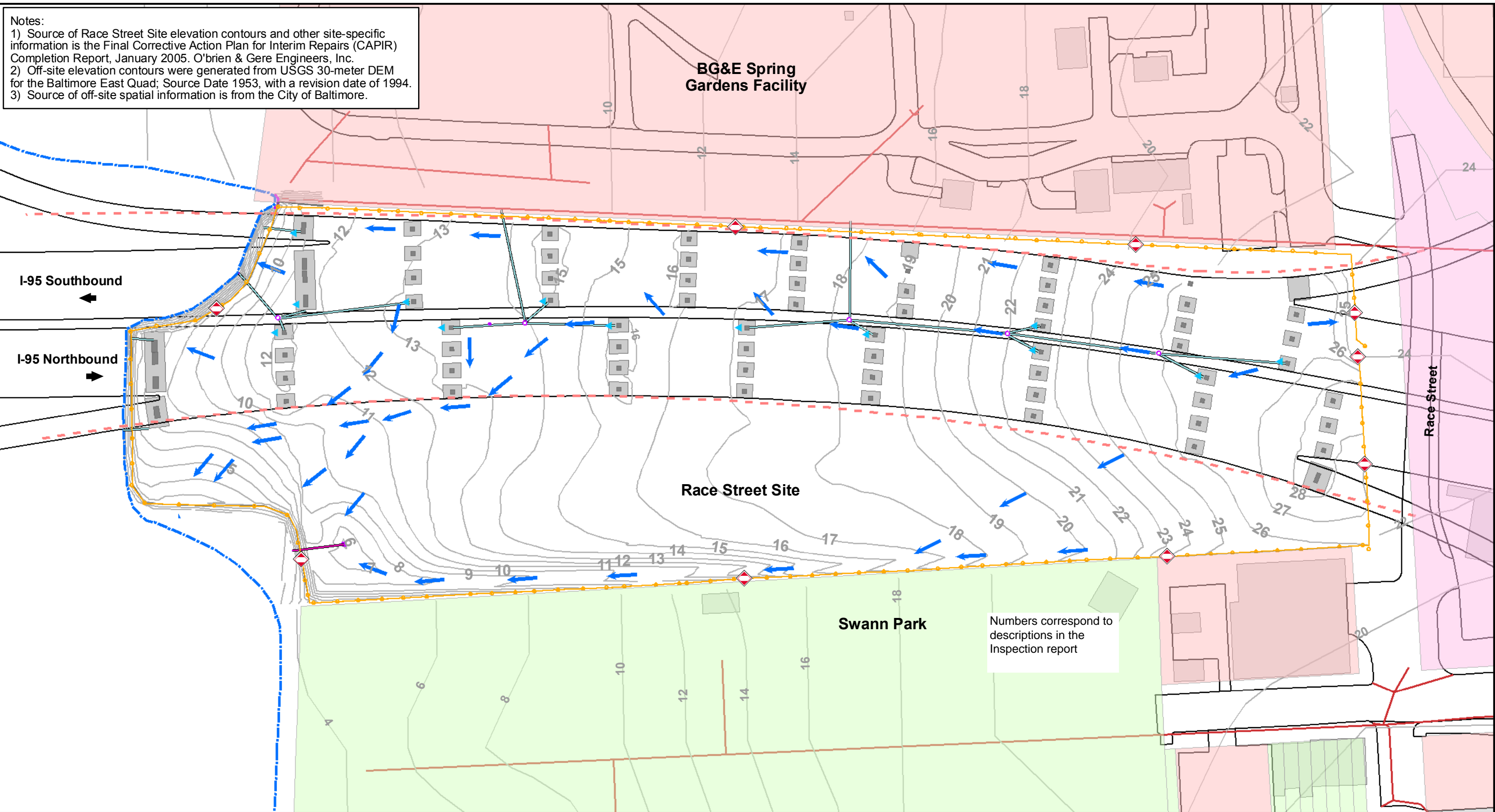
Inspector:	Kenneth Biles	Date of Inspection:	24-Jan-13
Title:	Assistant Project Manager	Date of Last Inspection:	20-Dec-12
Organization:	CH2M HILL	Weather:	Cold, Snowing

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)	None	None	NA	NA
<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
Inspect around pier footings for joint failure. Identify location via description or on Site Plan (attach to Monthly Site Inspection Checklist)	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	None	None	NA	NA
<b>4. Fence</b>				

**2000 Race Street  
Monthly Site Inspection Checklist**

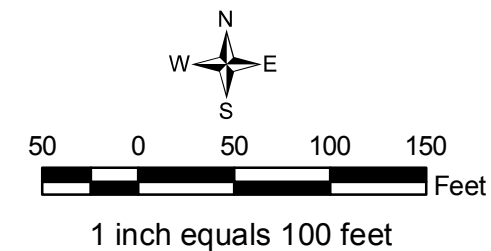
Site Inspection Results				
Task	Observations	Actions Taken	Date Completed	Comments/Additional Observations
Inspect fence for holes. Note number of holes. Identify location of holes via description or on Site Plan (attach to Monthly Site Inspection Checklist).	None	None	NA	NA
Inspect fence to determine 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	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	James Leizear (MDE) and Josh Floyd (ERM) 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) Off-site elevation contours were generated from USGS 30-meter DEM for the Baltimore East Quad; Source Date 1953, with a revision date of 1994.  
3) Source of off-site spatial information is from the City of Baltimore.



**Legend**

- |  |  |   |   |
|--|--|---|---|
| <ul style="list-style-type: none"><li>Existing Shoreline</li><li>Approximate Limits of I-95</li><li>Edge of Pavement</li><li>Storm Manhole</li><li>Above Ground Stormwater Conveyance System</li><li>Below Ground Stormwater Conveyance System</li></ul> | <ul style="list-style-type: none"><li>Warning Sign</li><li>Fence/Approximate Property Boundary</li><li>Elevation Contours (feet-MSL)</li><li>Buildings</li><li>Down Spouts</li><li>Baltimore Stormwater Pipe</li></ul> | <b>Land Use</b> <ul style="list-style-type: none"><li>Commercial</li><li>Exempt Commercial</li><li>Industrial</li><li>Residential</li><li>General Stormwater Flow Direction</li></ul> | <ul style="list-style-type: none"><li>Concrete Column</li><li>Concrete Footer</li></ul> |
|--|--|---|---|



Monthly Inspection Map  
Race Street Site  
Baltimore, MD  
January 24, 2013



**2000 Race Street  
Monthly Site Inspection Checklist**

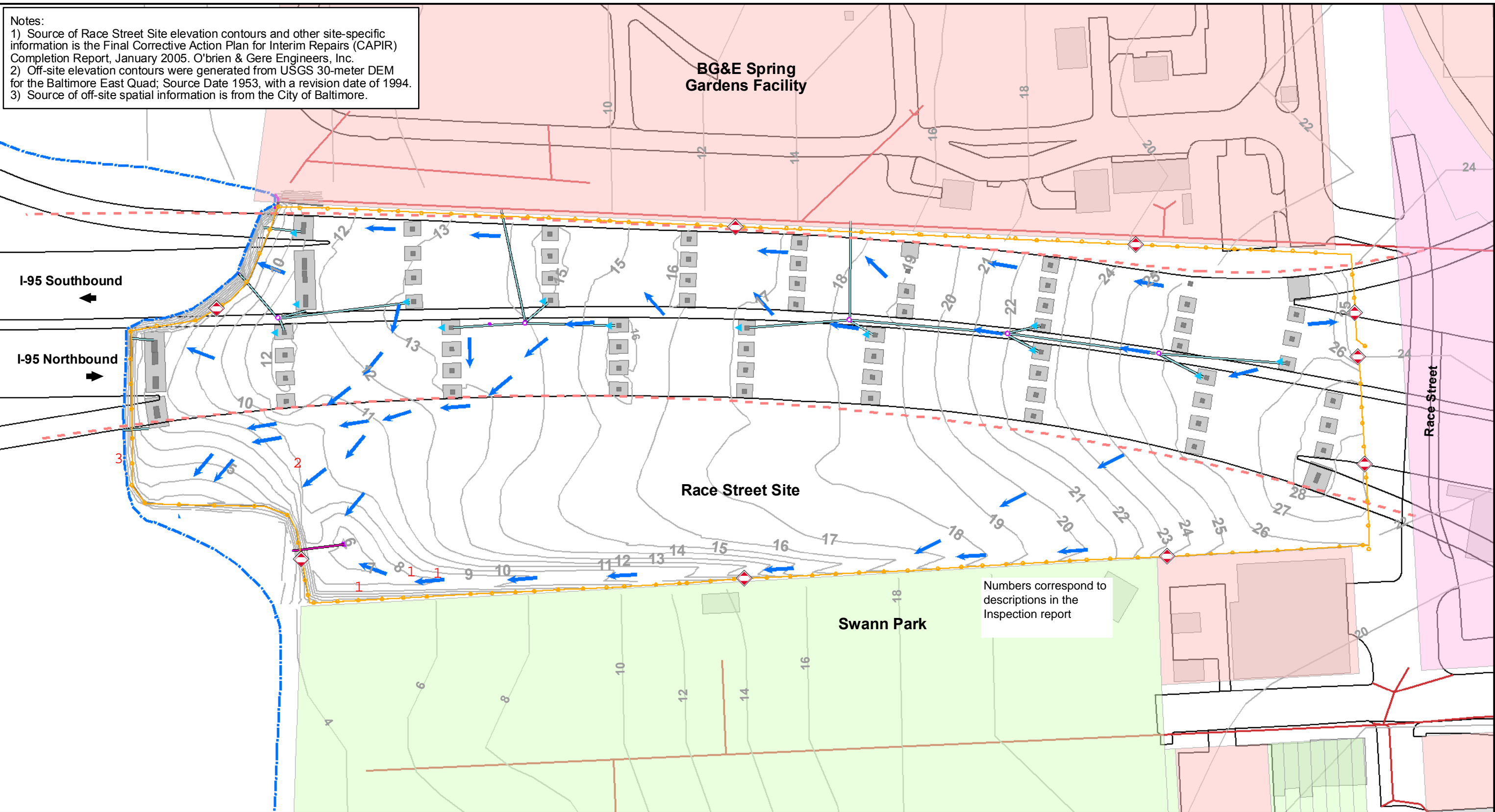
Inspector:	Kenneth Biles	Date of Inspection:	21-Feb-13
Title:	Assistant Project Manager	Date of Last Inspection:	24-Jan-13
Organization:	CH2M HILL	Weather:	cold, windy

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)	None	None	NA	NA
<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
Inspect around pier footings for joint failure. Identify location via description or on Site Plan (attach to Monthly Site Inspection Checklist)	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)	2) Localized areas with alligator cracking	None	NA	Cap repairs 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	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).	1) Localized cracks along cap side slopes	none	NA	Cap repairs 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	NA
Inspect cap for any signs of ponding of water	None	None	NA	NA
Inspect shorefront embankment for evidence of erosion or releases	3) Localized discoloration at shoreline	None	NA	Areas is being evaluated as part of ongoing site assessments.
Identify any other observations related to the condition of the cap and potential for cap damage	None	None	NA	NA
<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	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	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	James Leizear (MDE) and Josh Floyd (ERM) present during site visit.			
Other Comments/Observations?	None			

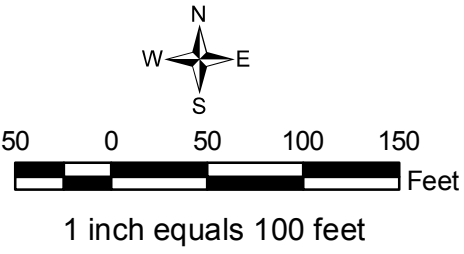
Notes:  
 1) Source of Race Street Site elevation contours and other site-specific information is the Final Corrective Action Plan for Interim Repairs (CAPIR) Completion Report, January 2005. O'Brien & Gere Engineers, Inc.  
 2) Off-site elevation contours were generated from USGS 30-meter DEM for the Baltimore East Quad; Source Date 1953, with a revision date of 1994.  
 3) Source of off-site spatial information is from the City of Baltimore.



Numbers correspond to descriptions in the Inspection report

Legend

- |   |   |  |  |
|---|---|--|--|
| <ul style="list-style-type: none"> <li>Existing Shoreline</li> <li>Approximate Limits of I-95</li> <li>Edge of Pavement</li> <li>Storm Manhole</li> <li>Above Ground Stormwater Conveyance System</li> <li>Below Ground Stormwater Conveyance System</li> </ul> | <ul style="list-style-type: none"> <li>Warning Sign</li> <li>Fence/Approximate Property Boundary</li> <li>Elevation Contours (feet-MSL)</li> <li>Buildings</li> <li>Down Spouts</li> <li>Baltimore Stormwater Pipe</li> </ul> | <p><b>Land Use</b></p> <ul style="list-style-type: none"> <li>Commercial</li> <li>Exempt Commercial</li> <li>Industrial</li> <li>Residential</li> <li>General Stormwater Flow Direction</li> </ul> | <ul style="list-style-type: none"> <li>Concrete Column</li> <li>Concrete Footer</li> </ul> |
|---|---|--|--|



Monthly Inspection Map  
 Race Street Site  
 Baltimore, MD  
 February 21, 2013



**2000 Race Street  
Monthly Site Inspection Checklist**

Inspector:	Kenneth Biles	Date of Inspection:	27-Mar-13
Title:	Assistant Project Manager	Date of Last Inspection:	21-Feb-13
Organization:	CH2M Hill	Weather:	Clear and cool

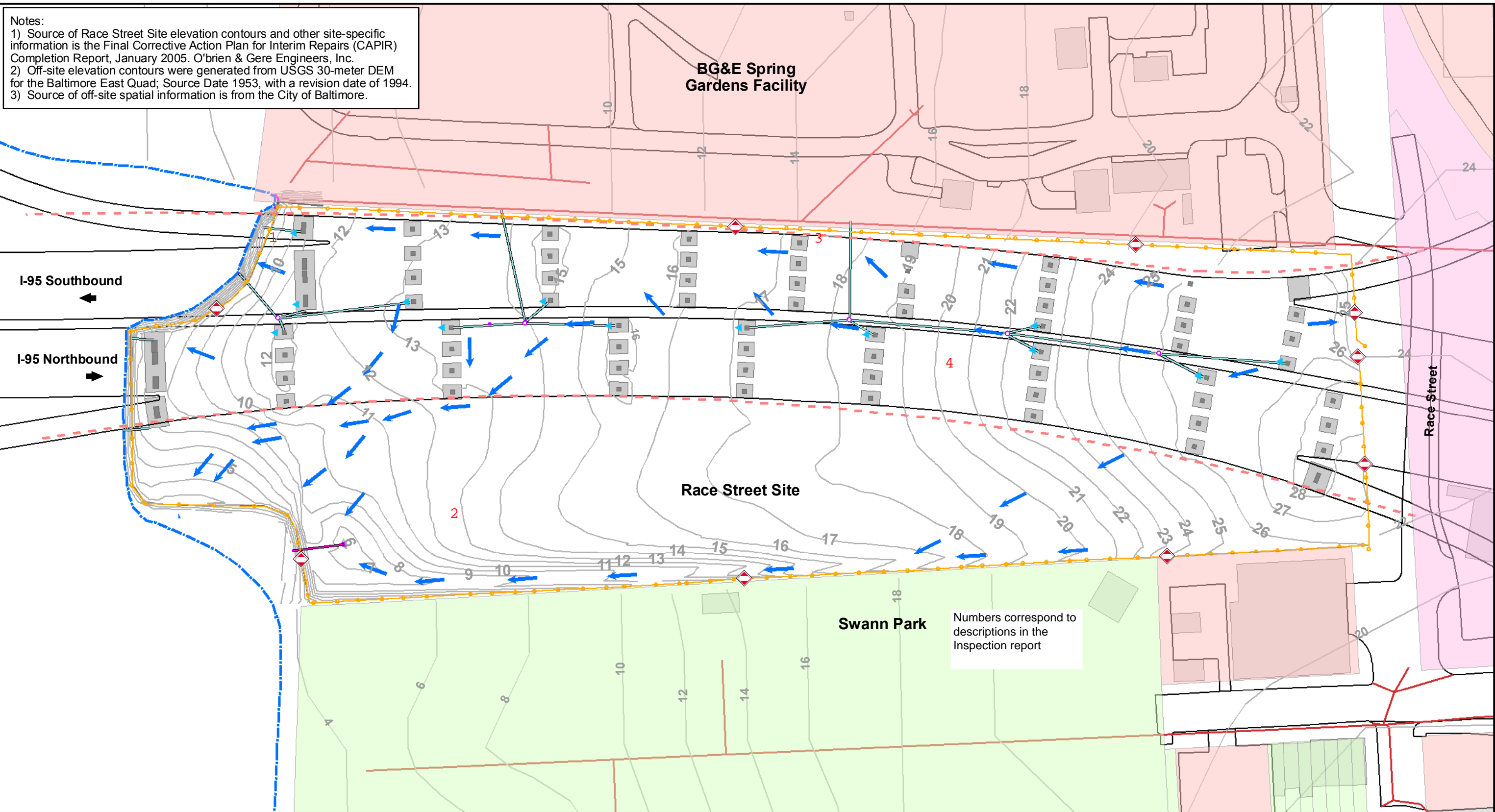
Site Inspection Results				
Task	Observations	Actions Taken	Date Completed	Comments/Additional Observations
<b>1. General</b>				
Inspect site for presence of surface debris. Identify type, approximate volume of debris, and location via description or on Site Plan (attach to Monthly Site Inspection Checklist).	Trash along fencing and in the parking area for Swann Park.	Trashed picked during site visit.	3/17/2013	Trash collected during periodic site-wide cleanups 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)	None	None	NA	NA
<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
Inspect around pier footings for joint failure. Identify location via description or on Site Plan (attach to Monthly Site Inspection Checklist)	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)	2) Localized alligator cracks	None	NA	Cap repairs 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	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	3) Localized erosion on side slope	None		Erosion repairs to be addressed during periodic cap repairs.
Identify any other observations related to the condition of the cap and potential for cap damage	1) Localized erosion of asphalt cap 4) Well cap for RS-MW-014 damaged	Well cap replaced; Cap repairs completed including crack sealing and asphalt patching	3/27/13 & 3/29/13 respectively.	NA
<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	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	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	Greg Mentel (ERM) and Jim Leizear (MDE) 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) Off-site elevation contours were generated from USGS 30-meter DEM for the Baltimore East Quad; Source Date 1953, with a revision date of 1994.  
3) Source of off-site spatial information is from the City of Baltimore.



**Legend**

- |  |  |   |   |
|--|--|---|---|
| <ul style="list-style-type: none"><li>Existing Shoreline</li><li>Approximate Limits of I-95</li><li>Edge of Pavement</li><li>Storm Manhole</li><li>Above Ground Stormwater Conveyance System</li><li>Below Ground Stormwater Conveyance System</li></ul> | <ul style="list-style-type: none"><li>Warning Sign</li><li>Fence/Approximate Property Boundary</li><li>Elevation Contours (feet-MSL)</li><li>Buildings</li><li>Down Spouts</li><li>Baltimore Stormwater Pipe</li></ul> | <b>Land Use</b> <ul style="list-style-type: none"><li>Commercial</li><li>Exempt Commercial</li><li>Industrial</li><li>Residential</li><li>General Stormwater Flow Direction</li></ul> | <ul style="list-style-type: none"><li>Concrete Column</li><li>Concrete Footer</li></ul> |
|--|--|---|---|

