
Third 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

October 2013

CH2MHILL®

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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 third quarter of 2013, from July 1 through September 30, 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

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

- July 12: Completed installation of bridge-monitoring equipment;
- July 17: Monthly Site status call with MDE;
- July 25: Monthly Site status inspection (Appendix A);
- August 15: Bridge-monitoring status meeting with the City, Honeywell, and MdTA;
- August 20: Site-wide application of herbicide by City
- August 21: Completed minor erosion repairs along the north fence line;
- August 22: Monthly Site status inspection (Appendix A);
- August 23: Bridge-monitoring report submitted to MDE;
- August 28: Monthly Site status call with MDE;
- September 19: Monthly Site status inspection (Appendix A);
- September 23: Obtained inclinometer readings;
- September 25: MDE correspondence to MdTA regarding implementation of interim remedial actions; and
- September 26: Monthly Site status call with MDE.

SECTION 3

Upcoming Work and Submittals during the Fourth Quarter of 2013

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

- October, November and December: Conduct monthly Site status inspections and participate in monthly Site status calls with MDE;
- Perform quarterly inclinometer readings;
- October 31: MdTA status meeting; and
- Submit the Third Quarter 2013 Site Status report to MDE by October 30, 2013.

SECTION 4

Schedule

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

Milestone	Anticipated Date
<i>October 2013</i>	
Perform monthly Site inspection	10-17-13
Submit third quarter 2013 Site Status Report	10-30-13
MdTA status meeting	10-31-13
<i>November 2013</i>	
Perform monthly Site status inspection	TBD
<i>December 2013</i>	
Perform monthly Site inspection	TBD
Perform quarterly inclinometer readings	TBD

Appendix A
Site Inspection Reports

**2000 Race Street
Monthly Site Inspection Checklist**

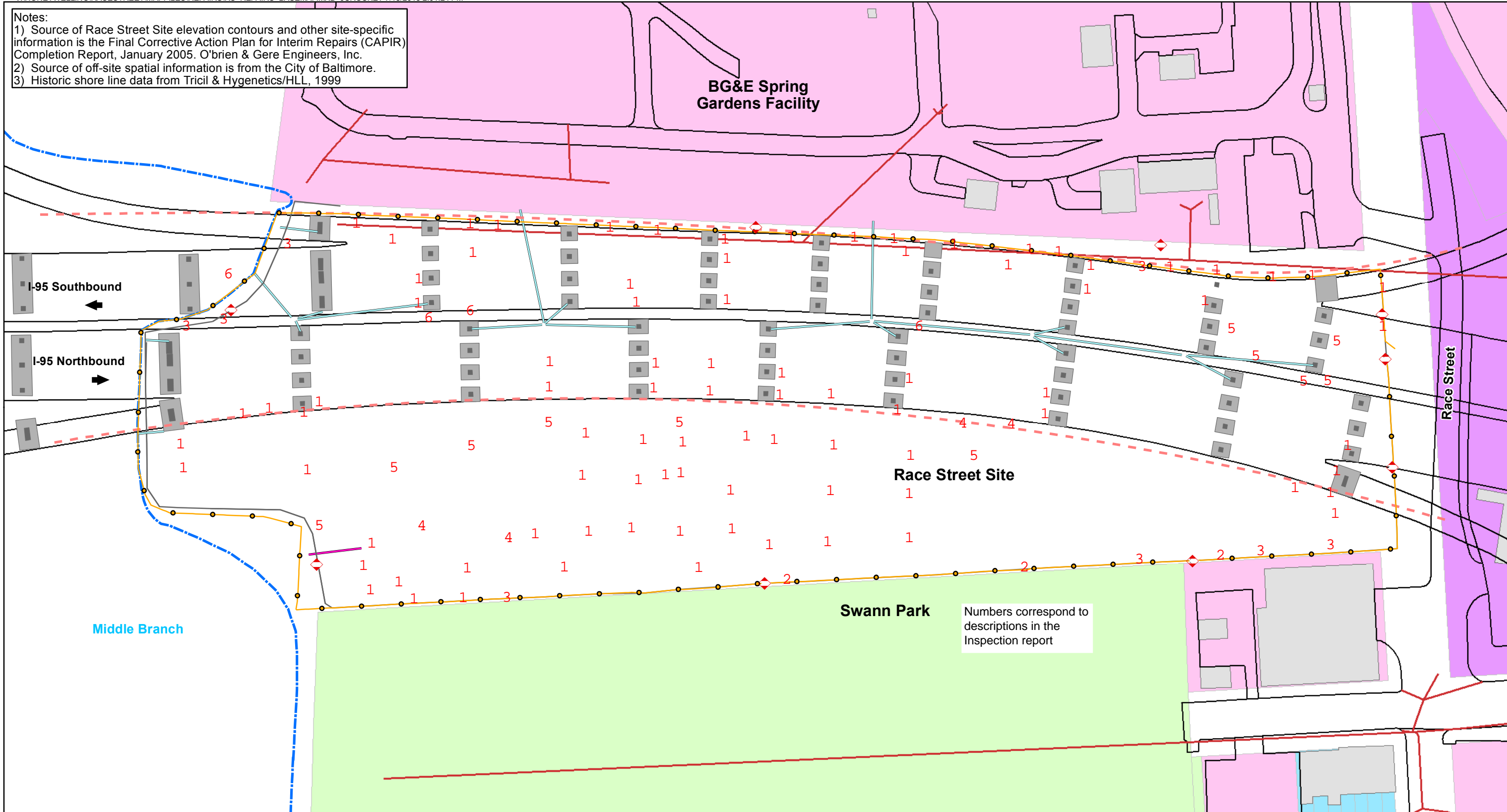
Inspector:	Kenneth Biles	Date of Inspection:	25-Jul-13
Title:	Assistant Project Manager	Date of Last Inspection:	28-Jun-13
Organization:	CH2M HILL	Weather:	Clear, Warm

Site Inspection Results				
Task	Observations	Actions Taken	Date Completed	Comments/Additional Observations
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).	6) Trash and debris along shoreline	One bag of trash removed from site during the site visit.	7/25/2013	City schedules periodic site-wide trash clean up as required.
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 2) Vegetation along perimeter fence	None	NA	City to schedule herbicide application for vegetation control.
2. Interstate 95 Footings and Joints				
Inspect around pier footings for settlement. Identify settlement off set from grade and location via description or on Site Plan (attach to Monthly Site Inspection Checklist)	None	None	NA	NA
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
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) Localized surface 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).	4) Crack without vegetation of various length	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	6) Localize area with standing water	None	NA	Cap repairs periodically performed including crack sealing and asphalt patching.
Inspect shorefront embankment for evidence of erosion or releases	None	None	NA	NA
Identify any other observations related to the condition of the cap and potential for cap damage	None	None	NA	NA
4. Fence				
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	Coordinate repair of fencing with the City of Baltimore	NA	Areas of damaged barbed wire have been noted in prior inspections.
Inspect gates, chains, and locks for damage	None	None	NA	NA

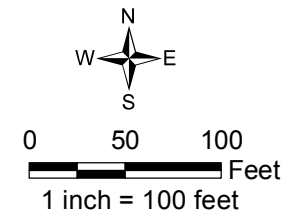
**2000 Race Street
Monthly Site Inspection Checklist**

Site Inspection Results				
Task	Observations	Actions Taken	Date Completed	Comments/Additional Observations
Inspect fence to determine if any vegetation is damaging or otherwise compromising fence	3) Vegetation growing on perimeter fence.	Work with COB to schedule the application of herbicide or mowing of grass	NA	NA
Inspect fence to determine if there is any burrowing beneath fence	None	None	NA	NA
Identify any other observations related to the condition of the fence and potential for fence damage (e.g., points of weakness, corrosion)	None	None	NA	NA
5. Aboveground Stormwater Conveyance System				
Inspect aboveground stormwater conveyance system including piping, downspouts, and drain in southwest corner of site for proper operation	None	None	NA	NA
6. Vandalism				
Inspect site for any vandalism including any dumped material on-site and damage to monitoring wells	None	None	NA	NA
Identify any other observations related to vandalism on the site	None	None	NA	NA
7. Signage				
Inspect warning signs on exterior perimeter of fence to determine condition and readability. Identify number of signs removed/damaged/unreadable and locations via description or Site Plan (attach to Monthly Site Inspection Checklist)	None	None	NA	NA
8. Miscellaneous Items				
Any interaction with people on or adjacent to the site? If yes, identify who, title, organization, contact information, and content of interaction	Greg Sneeringer (ERM) and James Leizear (MDE) were present for the site visit. Emily Curbo with CH2M HILL was onsite site survey work.			
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



- 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
 July 25, 2013



**2000 Race Street
Monthly Site Inspection Checklist**

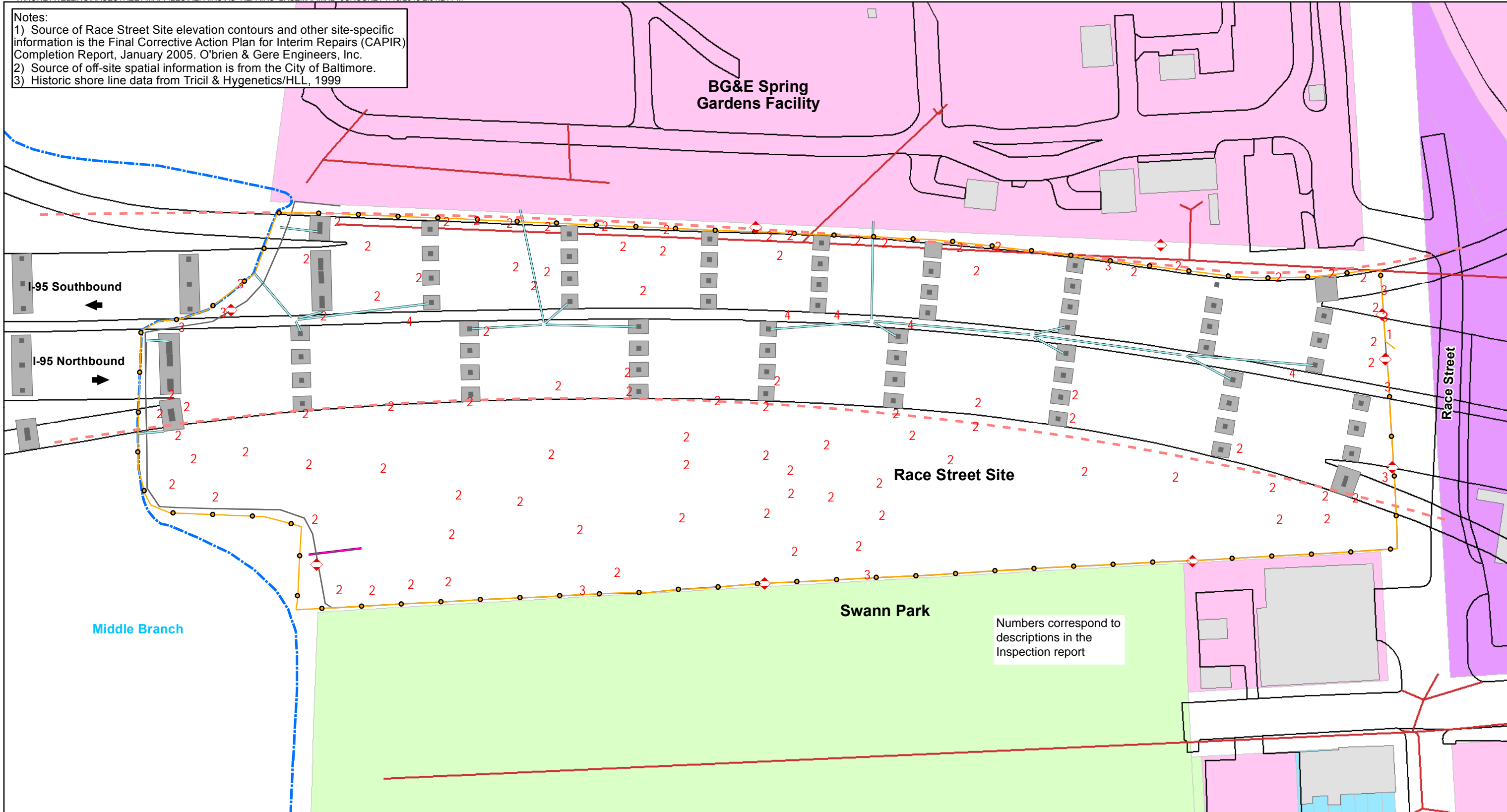
Inspector:	Kenneth Biles	Date of Inspection:	22-Aug-13
Title:	Assistant Project Manager	Date of Last Inspection:	25-Jul-13
Organization:	CH2M HILL	Weather:	Hot with Periods of Rain

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).	Debris present across the site	None	TBD	The City periodically performs site-wide trash pick up and removal, as required
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 in small cracks	The City applied herbicide to the vegetation at the site on 8/20/2013	8/20/2013	None
2. Interstate 95 Footings and Joints				
Inspect around pier footings for settlement. Identify settlement off-set from grade and location via description or on Site Plan (attach to Monthly Site Inspection Checklist)	None	None	NA	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
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)	4) Localized surficial alligator cracking	None	TBD	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	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).	None	None	NA	None
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
4. Fence				

**2000 Race Street
Monthly Site Inspection Checklist**

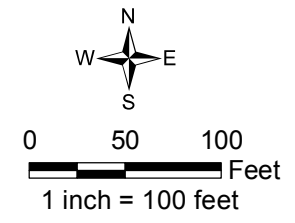
Site Inspection Results				
Task	Observations	Actions Taken	Date Completed	Comments/Additional Observations
Inspect fence for holes. Note number of holes. Identify location of holes via description or on Site Plan (attach to Monthly Site Inspection Checklist).	None	None	NA	None
Inspect fence to determine 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	None	None	NA	None
Inspect gates, chains, and locks for damage	1) Main gate unlocked	Gate Locked	8/20/2013	None
Inspect fence to determine if any vegetation is damaging or otherwise compromising fence	3) Vines are on the fence over the barbed wire here	None	8/20/2013	City applied herbicide to vegetation across the site.
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
5. Aboveground Stormwater Conveyance System				
Inspect aboveground stormwater conveyance system including piping, downspouts, and drain in southwest corner of site for proper operation	None	None	NA	None
6. Vandalism				
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
7. Signage				
Inspect warning signs on exterior perimeter of fence to determine condition and readability. Identify number of signs removed/damaged/unreadable and locations via description or Site Plan (attach to Monthly Site Inspection Checklist)	None	None	NA	None
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	James 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
 August 22, 2013



**2000 Race Street
Monthly Site Inspection Checklist**

Inspector:	Kenneth Biles	Date of Inspection:	19-Sep-13
Title:	Assistant Project Manager	Date of Last Inspection:	22-Aug-13
Organization:	CH2M HILL	Weather:	Clear and Cool

Site Inspection Results				
Task	Observations	Actions Taken	Date Completed	Comments/Additional Observations
1. General				
Inspect site for presence of surface debris. Identify type, approximate volume of debris, and location via description or on Site Plan (attach to Monthly Site Inspection Checklist).	Debris present across the site	None	TBD	The City periodically performs site-wide trash pick up and removal, as required
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 along fence	None	NA	(3) Dead vegetation across the site from herbicide application performed on 8-20-13 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	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
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)	2) Localized 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	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).	5) Location of crack in asphalt	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	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
4. Fence				

**2000 Race Street
Monthly Site Inspection Checklist**

Site Inspection Results				
Task	Observations	Actions Taken	Date Completed	Comments/Additional Observations
Inspect fence for holes. Note number of holes. Identify location of holes via description or on Site Plan (attach to Monthly Site Inspection Checklist).	None	None	NA	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	7) No barbed wire top guard	None	NA	Fence repairs to be performed as part of routine operation and maintenance activities
Inspect gates, chains, and locks for damage	None	None		
Inspect fence to determine if any vegetation is damaging or otherwise compromising fence	6) Vegetation on barbed wire top guard and fence	None	NA	City performs periodic herbicide applications for vegetation control.
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)	4) Dead vegetation on fence	None	NA	None
5. Aboveground Stormwater Conveyance System				
Inspect aboveground stormwater conveyance system including piping, downspouts, and drain in southwest corner of site for proper operation	None	None	NA	None
6. Vandalism				
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
7. Signage				
Inspect warning signs on exterior perimeter of fence to determine condition and readability. Identify number of signs removed/damaged/unreadable and locations via description or Site Plan (attach to Monthly Site Inspection Checklist)	None	None	NA	None
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) 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

BG&E Spring Gardens Facility

I-95 Southbound

I-95 Northbound

Race Street

3) Area of site where vegetation was spray with herbicide.
















Race Street Site

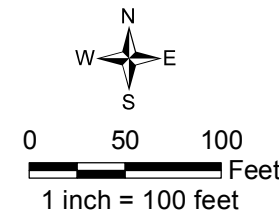
Swann Park

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
 September 19, 2013

