

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

July 28, 2015

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, Second Quarter 2015
2000 Race Street Site, Baltimore, Maryland

Dear Mr. Hammerberg:

Please find attached the Second Quarter 2015 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. Ed Dexter (MDE)
Mr. Michael Daneker (Arnold & Porter)
Ms. Dawn Lettman (City of Baltimore)
Mr. Art Shapiro (City of Baltimore)
Mr. Vivaldi Nguyen (City of Baltimore)

Second Quarter 2015 Race Street Quarterly Site Progress Report, 2000 Race Street, Baltimore, Maryland

Prepared for
Honeywell International Inc.
The Mayor and City Council of Baltimore, Maryland

July 2015

CH2MHILL®

2411 Dulles Corner Park Suite 500
Herndon, VA 20171

Contents

Section	Page
1. Introduction	1
2. Quarter in Review.....	1
3. Upcoming Work and Submittals during the Third Quarter of 2015	2
4. Schedule.....	2

Appendixes

A Site Inspection Reports

Second Quarter 2015 Race Street Quarterly Site Progress Report, 2000 Race Street, Baltimore, Maryland

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 second quarter of 2015, from April 1 through June 30, 2015.

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.

2. Quarter in Review

Site-related activities performed during the second quarter of 2015 include the following:

- April 2: MDTA coordinator meeting for bridge maintenance project;
- April 15: Monthly Site status call with MDE;
- April 23 Monthly Site status inspection (Appendix A);
- April 30: First quarter 2015 site progress report submitted;
- May 11: MDTA's contractor mobilized to perform pre-construction activities;
- May 14: Bridge monitoring equipment removed;
- May 20: Monthly Site status call with MDE;
- May 21: Monthly Site status inspection (Appendix A);

- June 13: *Second Half 2014 Bridge Monitoring Report* and *Updated Baseline Monitoring Report* submitted to MDE; and
- June 18: Monthly Site status inspection (Appendix A).

Interim remedial measure treatability evaluations progressed during the quarter with a focus on permeability testing and hydrodynamic modeling calculations.

3. Upcoming Work and Submittals during the Third Quarter of 2015

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

- July, August, September: Conduct monthly Site status inspections and participate in monthly Site status calls with MDE;
- Perform quarterly inclinometer readings; and
- Submit the second quarter 2015 site status report to MDE.

Continue IRM treatability evaluations with a focus on permeability testing and hydrodynamic modeling calculations.

4. Schedule

A schedule of Consent Order activities anticipated during the third quarter of 2015 is provided below.

Milestone	Anticipated Date
July 2015	
Perform monthly Site status inspection	7-23-15
Submit second quarter 2015 Site Status Report	7-30-15
August 2015	
Perform monthly Site status inspection	TBD
September 2015	
Perform monthly Site inspection	TBD
Perform quarterly inclinometer readings	TBD

Appendix A
Site Inspection Reports

**2000 Race Street
Monthly Site Inspection Checklist**

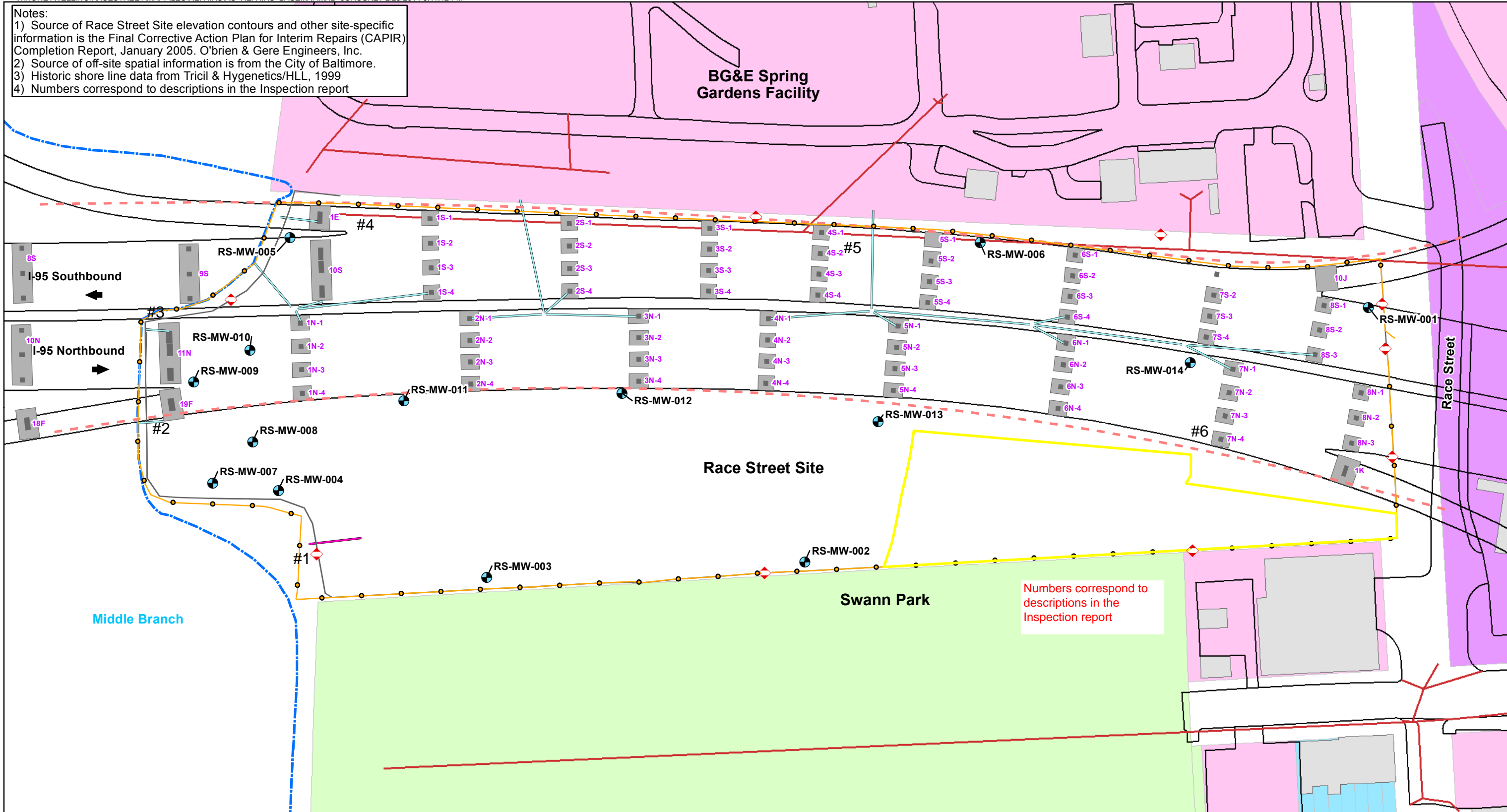
Inspector:	Bill Morris	Date of Inspection:	23-Apr-15
Title:	Environmental Engineer	Date of Last Inspection:	19-Mar-15
Organization:	CH2M HILL	Weather:	Cool, windy

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	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
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)	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)	4: Animal burrow at the top of the slope. 1: Hole in the slope with vegetation growth	None	NA	Evaluate the area for future surface cover maintenance.
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).	3,6: Localized crack/gap at column base.	None	NA	Evaluate the area for future surface cover maintenance.
Inspect cap for cracks greater than 0.5 inches wide. Note number of cracks. Identify location of cracks via description or on Site Plan (attach to Monthly Site Inspection Checklist).	None	None	NA	NA
Inspect cap for any signs of ponding of water	None	None	NA	NA
Inspect shorefront embankment for evidence of erosion or releases	None	None	NA	NA
Identify any other observations related to the condition of the cap and potential for cap damage	None	None	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	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
5. Aboveground Stormwater Conveyance System				
Inspect aboveground stormwater conveyance system including piping, downspouts, and drain in southwest corner of site for proper operation	2, 5: PVC pipe below elbow joint of a downspout is disconnected.	MDTA notified	5-May-15	MDTA notified of the need for repairs to the PVC downspout.
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	Jim Leizear of MDE and Vivaldi Nguyen of the City of Baltimore Department of Public Works were present for the inspection.			
Other Comments/Observations?	None			

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



Numbers correspond to descriptions in the Inspection report

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

April 23, 2015

**2000 Race Street
Monthly Site Inspection Checklist**

Inspector:	Bill Morris	Date of Inspection:	21-May-15
Title:	Environmental Engineer	Date of Last Inspection:	23-Apr-15
Organization:	CH2M HILL	Weather:	Cool, 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).	6: Debris and trash buildup 7: Residue at stormwater downspout.	MDTA notified	5-May-15	MDTA previously notified.
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
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)	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)	5: Animal burrow. 2: Small hole in side slope.	None	NA	Evaluate the area for future surface cover maintenance.
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, 8, 9, 10: crack with minor vegetation 4: localized crack/gap at column base.	None	NA	Evaluate the area for future surface cover maintenance.
Inspect cap for cracks greater than 0.5 inches wide. Note number of cracks. Identify location of cracks via description or on Site Plan (attach to Monthly Site Inspection Checklist).	None	None	NA	NA
Inspect cap for any signs of ponding of water	None	None	NA	NA
Inspect shorefront embankment for evidence of erosion or releases	None	None	NA	NA
Identify any other observations related to the condition of the cap and potential for cap damage	None	None	NA	NA
4. Fence				

**2000 Race Street
Monthly Site Inspection Checklist**

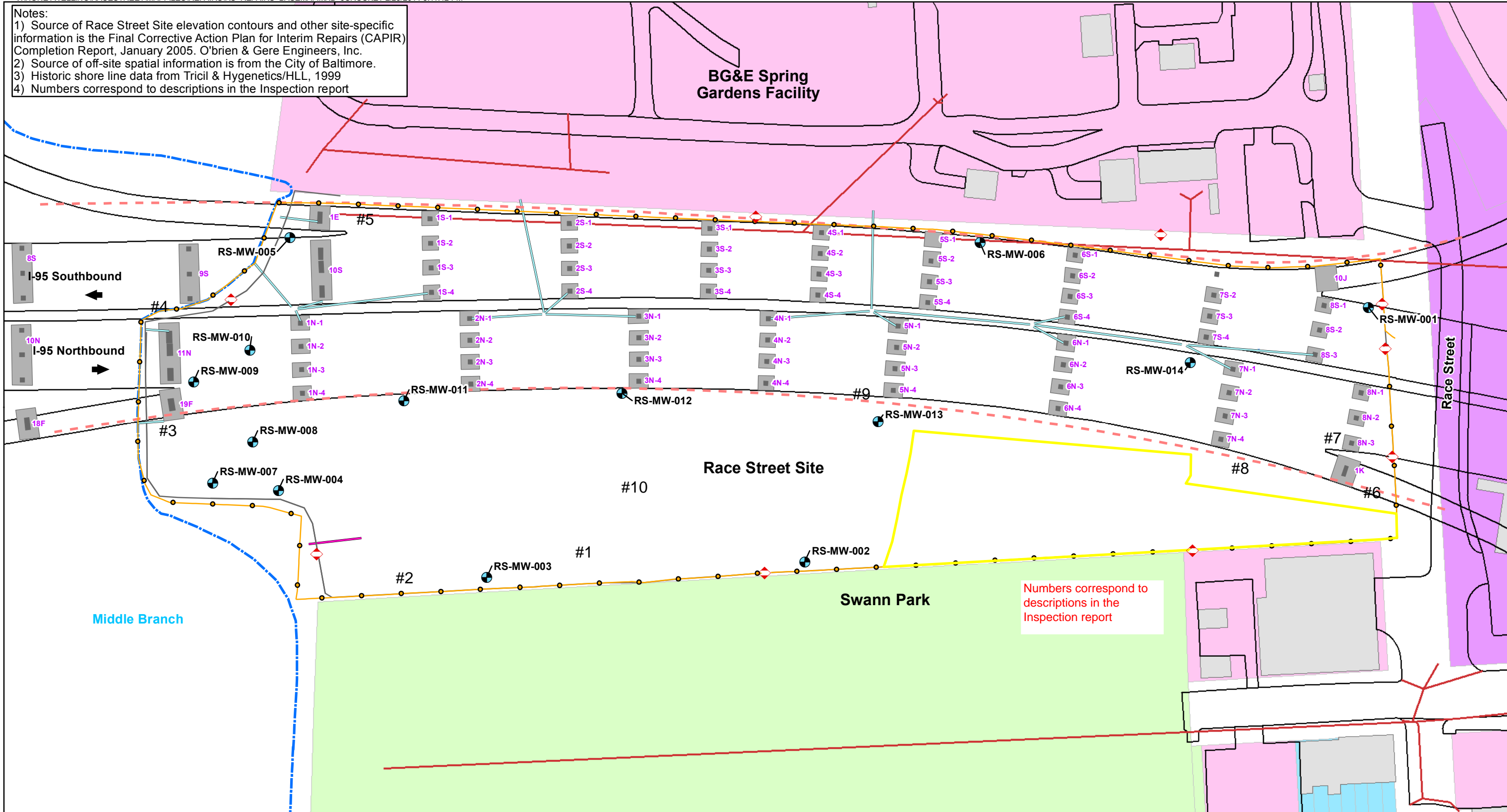
Site Inspection Results				
Task	Observations	Actions Taken	Date Completed	Comments/Additional Observations
Inspect fence for holes. Note number of holes. Identify location of holes via description or on Site Plan (attach to Monthly Site Inspection Checklist).	None	None	NA	NA
Inspect fence to determine 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
5. Aboveground Stormwater Conveyance System				
Inspect aboveground stormwater conveyance system including piping, downspouts, and drain in southwest corner of site for proper operation	3: PVC pipe below elbow joint of a downspout is disconnected.	MDTA notified.	5-May-15	None
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	Jim Leizear of MDE and Vivaldi Nguyen of the City of Baltimore Department of Public Works were present for the inspection.			
Other Comments/Observations?	None			

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

BG&E Spring Gardens Facility

Race Street Site

Swann Park



Numbers correspond to descriptions in the Inspection report

Legend		
<ul style="list-style-type: none"> Warning Signs Monitoring Well Locations Edge of Pavement Approximate Limits of I-95 Former Below Ground Stormwater System (Abandoned) Below Ground Stormwater System 	<ul style="list-style-type: none"> Existing Shoreline Fence/Approximate Property Boundary and Limit of Engineered Cap Fence Installed on Jersey Barriers Baltimore Stormwater Pipe Commercial Exempt Commercial Industrial Residential 	<ul style="list-style-type: none"> Buildings Concrete Column Concrete Footer

0 50 100 Feet
1 inch = 100 feet

Monthly Inspection Map
 Race Street Site
 Baltimore, MD
 May 21, 2015

**2000 Race Street
Monthly Site Inspection Checklist**

Inspector:	Bill Morris	Date of Inspection:	18-Jun-15
Title:	Environmental Engineer	Date of Last Inspection:	21-May-15
Organization:	CH2M HILL	Weather:	Cloudy, warm

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	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
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)	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)	2: Animal burrow. 9: Small hole in the side slope.	None	NA	Evaluate the area for future surface cover maintenance.
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, 5, 7, 8: Crack with minor vegetation. 3, 4: Crack/gap at column base.	None	NA	Evaluate the area for future surface cover maintenance.
Inspect cap for cracks greater than 0.5 inches wide. Note number of cracks. Identify location of cracks via description or on Site Plan (attach to Monthly Site Inspection Checklist).	None	None	NA	NA
Inspect cap for any signs of ponding of water	6: Localized water ponding at the edge of the haul road.	None	NA	No action required to address localize water near the temporary haul road.
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				

**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
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	May-15	Downspouts that were previously observed to be disconnected had been repaired or adjusted in length by MDTA.
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	Jim Leizear of MDE and Vivaldi Nguyen of the City of Baltimore Department of Public Works were present for the inspection. Workers with MdTA contractor J.B. Fay were onsite installing a haul road for planned bridge maintenance work.			
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

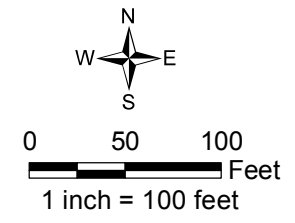
Race Street Site

Swann Park

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
 June 18, 2015

