
***Notice of Intent
P&G Gillette Security Shed and Gates at Location C
Boston, Massachusetts***



Prepared for



***P&G, The Gillette Company
20 Gillette Park
Boston, MA 02127***

March 7, 2018

Prepared by



GREEN INTERNATIONAL AFFILIATES, INC.
Civil and Structural Engineers

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NOTICE OF INTENT FORMS

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WPA Form 3 – Notice of Intent

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP:

MassDEP File Number

Document Transaction Number

Boston
City/Town

Important:

When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



Note:
Before completing this form consult your local Conservation Commission regarding any municipal bylaw or ordinance.

A. General Information

1. Project Location (**Note:** electronic filers will click on button to locate project site):

<u>20 Gillette Park</u>	<u>Boston</u>	<u>02127</u>
a. Street Address	b. City/Town	c. Zip Code
Latitude and Longitude:		
	<u>42° 20' 47"</u>	<u>71° 3' 6"</u>
	d. Latitude	e. Longitude
<u>0601169000</u>		
f. Assessors Map/Plat Number	g. Parcel /Lot Number	

2. Applicant:

<u>Mauricio</u>	<u>Falanti</u>	
a. First Name	b. Last Name	
<u>P&G The Gillette Company</u>		
c. Organization		
<u>One Gillette Park</u>		
d. Street Address		
<u>Boston</u>	<u>MA</u>	<u>02127</u>
e. City/Town	f. State	g. Zip Code
<u>617-463-3000</u>	<u>falanti.vm@pg.com</u>	
h. Phone Number	i. Fax Number	j. Email Address

3. Property owner (required if different from applicant): Check if more than one owner

<u></u>	<u></u>	
a. First Name	b. Last Name	
<u></u>		
c. Organization		
<u></u>		
d. Street Address		
<u></u>	<u></u>	<u></u>
e. City/Town	f. State	g. Zip Code
<u></u>	<u></u>	<u></u>
h. Phone Number	i. Fax Number	j. Email address

4. Representative (if any):

<u>Danielle</u>	<u>Spicer</u>	
a. First Name	b. Last Name	
<u>Green International Affiliates, Inc.</u>		
c. Company		
<u>239 Littleton Road, Suite 3</u>		
d. Street Address		
<u>Westford</u>	<u>MA</u>	<u>01886</u>
e. City/Town	f. State	g. Zip Code
<u>978-923-0400</u>	<u>978-923-0033</u>	<u>dspicer@greenintl.com</u>
h. Phone Number	i. Fax Number	j. Email address

5. Total WPA Fee Paid (from NOI Wetland Fee Transmittal Form):

<u>\$987.50 (See Cover Letter)</u>	<u>\$237.50</u>	<u>\$750.00 (see cover letter)</u>
a. Total Fee Paid	b. State Fee Paid	c. City/Town Fee Paid



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A. General Information (continued)

6. General Project Description:

The project consists of the installation of a concrete pad that will house a guard shack with security gates. The proposed project will not change impervious area on the site. See project description for more information.

7a. Project Type Checklist: (Limited Project Types see Section A. 7b.)

- 1. Single Family Home
- 2. Residential Subdivision
- 3. Commercial/Industrial
- 4. Dock/Pier
- 5. Utilities
- 6. Coastal engineering Structure
- 7. Agriculture (e.g., cranberries, forestry)
- 8. Transportation
- 9. Other

7b. Is any portion of the proposed activity eligible to be treated as a limited project (including Ecological Restoration Limited Project) subject to 310 CMR 10.24 (coastal) or 310 CMR 10.53 (inland)?

1. Yes No If yes, describe which limited project applies to this project. (See 310 CMR 10.24 and 10.53 for a complete list and description of limited project types)

2. Limited Project Type

If the proposed activity is eligible to be treated as an Ecological Restoration Limited Project (310 CMR10.24(8), 310 CMR 10.53(4)), complete and attach Appendix A: Ecological Restoration Limited Project Checklist and Signed Certification.

8. Property recorded at the Registry of Deeds for:

Suffolk

a. County

36614

c. Book

b. Certificate # (if registered land)

189

d. Page Number

B. Buffer Zone & Resource Area Impacts (temporary & permanent)

- 1. Buffer Zone Only – Check if the project is located only in the Buffer Zone of a Bordering Vegetated Wetland, Inland Bank, or Coastal Resource Area.
- 2. Inland Resource Areas (see 310 CMR 10.54-10.58; if not applicable, go to Section B.3, Coastal Resource Areas).

Check all that apply below. Attach narrative and any supporting documentation describing how the project will meet all performance standards for each of the resource areas altered, including standards requiring consideration of alternative project design or location.



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Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

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B. Buffer Zone & Resource Area Impacts (temporary & permanent) (cont'd)

For all projects affecting other Resource Areas, please attach a narrative explaining how the resource area was delineated.

Table with 3 columns: Resource Area, Size of Proposed Alteration, Proposed Replacement (if any). Rows include Bank, Bordering Vegetated Wetland, and Land Under Waterbodies and Waterways.

Table with 3 columns: Resource Area, Size of Proposed Alteration, Proposed Replacement (if any). Rows include Bordering Land Subject to Flooding and Isolated Land Subject to Flooding.

- f. Riverfront Area
1. Name of Waterway (if available) - specify coastal or inland
2. Width of Riverfront Area (check one):
- 25 ft. - Designated Densely Developed Areas only
- 100 ft. - New agricultural projects only
- 200 ft. - All other projects

3. Total area of Riverfront Area on the site of the proposed project: square feet

4. Proposed alteration of the Riverfront Area:
a. total square feet b. square feet within 100 ft. c. square feet between 100 ft. and 200 ft.

5. Has an alternatives analysis been done and is it attached to this NOI? Yes No

6. Was the lot where the activity is proposed created prior to August 1, 1996? Yes No

3. Coastal Resource Areas: (See 310 CMR 10.25-10.35)

Note: for coastal riverfront areas, please complete Section B.2.f. above.



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B. Buffer Zone & Resource Area Impacts (temporary & permanent) (cont'd)

Check all that apply below. Attach narrative and supporting documentation describing how the project will meet all performance standards for each of the resource areas altered, including standards requiring consideration of alternative project design or location.

Online Users:
Include your document transaction number (provided on your receipt page) with all supplementary information you submit to the Department.

<u>Resource Area</u>	<u>Size of Proposed Alteration</u>	<u>Proposed Replacement (if any)</u>
a. <input type="checkbox"/> Designated Port Areas	Indicate size under Land Under the Ocean, below	
b. <input type="checkbox"/> Land Under the Ocean	_____	
	1. square feet	

	2. cubic yards dredged	
c. <input type="checkbox"/> Barrier Beach	Indicate size under Coastal Beaches and/or Coastal Dunes below	
d. <input type="checkbox"/> Coastal Beaches	_____	_____
	1. square feet	2. cubic yards beach nourishment
e. <input type="checkbox"/> Coastal Dunes	_____	_____
	1. square feet	2. cubic yards dune nourishment
	<u>Size of Proposed Alteration</u>	<u>Proposed Replacement (if any)</u>
f. <input type="checkbox"/> Coastal Banks	_____	
	1. linear feet	
g. <input type="checkbox"/> Rocky Intertidal Shores	_____	
	1. square feet	
h. <input type="checkbox"/> Salt Marshes	_____	_____
	1. square feet	2. sq ft restoration, rehab., creation
i. <input type="checkbox"/> Land Under Salt Ponds	_____	
	1. square feet	

	2. cubic yards dredged	
j. <input type="checkbox"/> Land Containing Shellfish	_____	
	1. square feet	
k. <input type="checkbox"/> Fish Runs	Indicate size under Coastal Banks, inland Bank, Land Under the Ocean, and/or inland Land Under Waterbodies and Waterways, above	

	1. cubic yards dredged	
l. <input checked="" type="checkbox"/> Land Subject to Coastal Storm Flowage	150	
	1. square feet	
4. <input type="checkbox"/> Restoration/Enhancement	If the project is for the purpose of restoring or enhancing a wetland resource area in addition to the square footage that has been entered in Section B.2.b or B.3.h above, please enter the additional amount here.	
	_____	_____
	a. square feet of BVW	b. square feet of Salt Marsh
5. <input type="checkbox"/> Project Involves Stream Crossings		
	_____	_____
	a. number of new stream crossings	b. number of replacement stream crossings



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C. Other Applicable Standards and Requirements

- This is a proposal for an Ecological Restoration Limited Project. Skip Section C and complete Appendix A: Ecological Restoration Limited Project Checklists – Required Actions (310 CMR 10.11).

Streamlined Massachusetts Endangered Species Act/Wetlands Protection Act Review

1. Is any portion of the proposed project located in **Estimated Habitat of Rare Wildlife** as indicated on the most recent Estimated Habitat Map of State-Listed Rare Wetland Wildlife published by the Natural Heritage and Endangered Species Program (NHESP)? To view habitat maps, see the *Massachusetts Natural Heritage Atlas* or go to http://maps.massgis.state.ma.us/PRI_EST_HAB/viewer.htm.

- a. Yes No **If yes, include proof of mailing or hand delivery of NOI to:**

**Natural Heritage and Endangered Species Program
Division of Fisheries and Wildlife
1 Rabbit Hill Road
Westborough, MA 01581**

- 2017 _____
b. Date of map

If yes, the project is also subject to Massachusetts Endangered Species Act (MESA) review (321 CMR 10.18). To qualify for a streamlined, 30-day, MESA/Wetlands Protection Act review, please complete Section C.1.c, and include requested materials with this Notice of Intent (NOI); *OR* complete Section C.2.f, if applicable. *If MESA supplemental information is not included with the NOI, by completing Section 1 of this form, the NHESP will require a separate MESA filing which may take up to 90 days to review (unless noted exceptions in Section 2 apply, see below).*

- c. Submit Supplemental Information for Endangered Species Review*

1. Percentage/acreage of property to be altered:
 - (a) within wetland Resource Area _____ percentage/acreage
 - (b) outside Resource Area _____ percentage/acreage
 2. Assessor's Map or right-of-way plan of site
2. Project plans for entire project site, including wetland resource areas and areas outside of wetlands jurisdiction, showing existing and proposed conditions, existing and proposed tree/vegetation clearing line, and clearly demarcated limits of work **
 - (a) Project description (including description of impacts outside of wetland resource area & buffer zone)
 - (b) Photographs representative of the site

* Some projects **not** in Estimated Habitat may be located in Priority Habitat, and require NHESP review (see <http://www.mass.gov/eea/agencies/dfg/dfw/natural-heritage/regulatory-review/>). Priority Habitat includes habitat for state-listed plants and strictly upland species not protected by the Wetlands Protection Act.

** MESA projects may not be segmented (321 CMR 10.16). The applicant must disclose full development plans even if such plans are not required as part of the Notice of Intent process.



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C. Other Applicable Standards and Requirements (cont'd)

- (c) MESA filing fee (fee information available at http://www.mass.gov/dfwele/dfw/nhosp/regulatory_review/ mesa/ mesa_fee_schedule.htm). Make check payable to "Commonwealth of Massachusetts - NHESP" and **mail to NHESP** at above address

Projects altering 10 or more acres of land, also submit:

- (d) Vegetation cover type map of site
- (e) Project plans showing Priority & Estimated Habitat boundaries
- (f) OR Check One of the Following

- 1. Project is exempt from MESA review. Attach applicant letter indicating which MESA exemption applies. (See 321 CMR 10.14, http://www.mass.gov/dfwele/dfw/nhosp/regulatory_review/ mesa/ mesa_exemptions.htm; the NOI must still be sent to NHESP if the project is within estimated habitat pursuant to 310 CMR 10.37 and 10.59.)

- 2. Separate MESA review ongoing. a. NHESP Tracking # _____ b. Date submitted to NHESP _____

- 3. Separate MESA review completed. Include copy of NHESP "no Take" determination or valid Conservation & Management Permit with approved plan.

- 3. For coastal projects only, is any portion of the proposed project located below the mean high water line or in a fish run?
 - a. Not applicable – project is in inland resource area only
 - b. Yes No

If yes, include proof of mailing, hand delivery, or electronic delivery of NOI to either:

South Shore - Cohasset to Rhode Island border, and the Cape & Islands:

Division of Marine Fisheries -
Southeast Marine Fisheries Station
Attn: Environmental Reviewer
1213 Purchase Street – 3rd Floor
New Bedford, MA 02740-6694
Email: DMF.EnvReview-South@state.ma.us

North Shore - Hull to New Hampshire border:

Division of Marine Fisheries -
North Shore Office
Attn: Environmental Reviewer
30 Emerson Avenue
Gloucester, MA 01930
Email: DMF.EnvReview-North@state.ma.us

Also if yes, the project may require a Chapter 91 license. For coastal towns in the Northeast Region, please contact MassDEP's Boston Office. For coastal towns in the Southeast Region, please contact MassDEP's Southeast Regional Office.



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Online Users:
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C. Other Applicable Standards and Requirements (cont'd)

4. Is any portion of the proposed project within an Area of Critical Environmental Concern (ACEC)?
 a. Yes No If yes, provide name of ACEC (see instructions to WPA Form 3 or MassDEP Website for ACEC locations). **Note:** electronic filers click on Website.
 b. ACEC
5. Is any portion of the proposed project within an area designated as an Outstanding Resource Water (ORW) as designated in the Massachusetts Surface Water Quality Standards, 314 CMR 4.00?
 a. Yes No
6. Is any portion of the site subject to a Wetlands Restriction Order under the Inland Wetlands Restriction Act (M.G.L. c. 131, § 40A) or the Coastal Wetlands Restriction Act (M.G.L. c. 130, § 105)?
 a. Yes No
7. Is this project subject to provisions of the MassDEP Stormwater Management Standards?
 a. Yes. Attach a copy of the Stormwater Report as required by the Stormwater Management Standards per 310 CMR 10.05(6)(k)-(q) and check if:
 1. Applying for Low Impact Development (LID) site design credits (as described in Stormwater Management Handbook Vol. 2, Chapter 3)
 2. A portion of the site constitutes redevelopment
 3. Proprietary BMPs are included in the Stormwater Management System.
 b. No. Check why the project is exempt:
 1. Single-family house
 2. Emergency road repair
 3. Small Residential Subdivision (less than or equal to 4 single-family houses or less than or equal to 4 units in multi-family housing project) with no discharge to Critical Areas.

D. Additional Information

- This is a proposal for an Ecological Restoration Limited Project. Skip Section D and complete Appendix A: Ecological Restoration Notice of Intent – Minimum Required Documents (310 CMR 10.12).

Applicants must include the following with this Notice of Intent (NOI). See instructions for details.

Online Users: Attach the document transaction number (provided on your receipt page) for any of the following information you submit to the Department.

1. USGS or other map of the area (along with a narrative description, if necessary) containing sufficient information for the Conservation Commission and the Department to locate the site. (Electronic filers may omit this item.)
2. Plans identifying the location of proposed activities (including activities proposed to serve as a Bordering Vegetated Wetland [BVW] replication area or other mitigating measure) relative to the boundaries of each affected resource area.



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Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

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City/Town

D. Additional Information (cont'd)

3. Identify the method for BVW and other resource area boundary delineations (MassDEP BVW Field Data Form(s), Determination of Applicability, Order of Resource Area Delineation, etc.), and attach documentation of the methodology.

4. List the titles and dates for all plans and other materials submitted with this NOI.

See Plan List in Project Narrative Section 1.3.

a. Plan Title

Green International Affiliates

Danielle Spicer, P.E.

b. Prepared By

c. Signed and Stamped by

As noted on plans

d. Final Revision Date

e. Scale

3/7/2018

f. Additional Plan or Document Title

g. Date

5. If there is more than one property owner, please attach a list of these property owners not listed on this form.

6. Attach proof of mailing for Natural Heritage and Endangered Species Program, if needed.

7. Attach proof of mailing for Massachusetts Division of Marine Fisheries, if needed.

8. Attach NOI Wetland Fee Transmittal Form

9. Attach Stormwater Report, if needed.

E. Fees

1. Fee Exempt: No filing fee shall be assessed for projects of any city, town, county, or district of the Commonwealth, federally recognized Indian tribe housing authority, municipal housing authority, or the Massachusetts Bay Transportation Authority.

Applicants must submit the following information (in addition to pages 1 and 2 of the NOI Wetland Fee Transmittal Form) to confirm fee payment:

9138

3/6/2018

2. Municipal Check Number

3. Check date

9137

3/6/2018

4. State Check Number

5. Check date

Green International Affiliates

6. Payor name on check: First Name

7. Payor name on check: Last Name



WPA Form 3 – Notice of Intent

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Provided by MassDEP:

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Boston

City/Town

F. Signatures and Submittal Requirements

I hereby certify under the penalties of perjury that the foregoing Notice of Intent and accompanying plans, documents, and supporting data are true and complete to the best of my knowledge. I understand that the Conservation Commission will place notification of this Notice in a local newspaper at the expense of the applicant in accordance with the wetlands regulations, 310 CMR 10.05(5)(a).

I further certify under penalties of perjury that all abutters were notified of this application, pursuant to the requirements of M.G.L. c. 131, § 40. Notice must be made by Certificate of Mailing or in writing by hand delivery or certified mail (return receipt requested) to all abutters within 100 feet of the property line of the project location.

1. Signature of Applicant

Mauricio Falanti, P&G

2. Date

03-06-2018

3. Signature of Property Owner (if different)

4. Date

5. Signature of Representative (if any)

Danielle Spicer, P.E., Green Intl

6. Date

3/6/2018

For Conservation Commission:

Two copies of the completed Notice of Intent (Form 3), including supporting plans and documents, two copies of the NOI Wetland Fee Transmittal Form, and the city/town fee payment, to the Conservation Commission by certified mail or hand delivery.

For MassDEP:

One copy of the completed Notice of Intent (Form 3), including supporting plans and documents, one copy of the NOI Wetland Fee Transmittal Form, and a copy of the state fee payment to the MassDEP Regional Office (see Instructions) by certified mail or hand delivery.

Other:

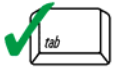
If the applicant has checked the "yes" box in any part of Section C, Item 3, above, refer to that section and the Instructions for additional submittal requirements.

The original and copies must be sent simultaneously. Failure by the applicant to send copies in a timely manner may result in dismissal of the Notice of Intent.



Massachusetts Department of Environmental Protection
 Bureau of Resource Protection - Wetlands
NOI Wetland Fee Transmittal Form
 Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Important: When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



A. Applicant Information

1. Location of Project:

<u>20 Gillette Park</u>	<u>Boston</u>
a. Street Address	b. City/Town
<u>9137</u>	<u>\$237.50</u>
c. Check number	d. Fee amount

2. Applicant Mailing Address:

<u>Mauricio</u>	<u>Falanti</u>	
a. First Name	b. Last Name	
<u>P&G The Gillette Company</u>		
c. Organization		
<u>One Gillette Park</u>		
d. Mailing Address		
<u>Boston</u>	<u>MA</u>	<u>02127</u>
e. City/Town	f. State	g. Zip Code
<u>617-463-3000</u>	<u>falanti.vm@pg.com</u>	
h. Phone Number	i. Fax Number	j. Email Address

3. Property Owner (if different):

<u></u>	<u></u>	
a. First Name	b. Last Name	
<u></u>		
c. Organization		
<u></u>		
d. Mailing Address		
<u></u>	<u></u>	<u></u>
e. City/Town	f. State	g. Zip Code
<u></u>	<u></u>	<u></u>
h. Phone Number	i. Fax Number	j. Email Address

B. Fees

Fee should be calculated using the following process & worksheet. **Please see Instructions before filling out worksheet.**

Step 1/Type of Activity: Describe each type of activity that will occur in wetland resource area and buffer zone.

Step 2/Number of Activities: Identify the number of each type of activity.

Step 3/Individual Activity Fee: Identify each activity fee from the six project categories listed in the instructions.

Step 4/Subtotal Activity Fee: Multiply the number of activities (identified in Step 2) times the fee per category (identified in Step 3) to reach a subtotal fee amount. Note: If any of these activities are in a Riverfront Area in addition to another Resource Area or the Buffer Zone, the fee per activity should be multiplied by 1.5 and then added to the subtotal amount.

Step 5/Total Project Fee: Determine the total project fee by adding the subtotal amounts from Step 4.

Step 6/Fee Payments: To calculate the state share of the fee, divide the total fee in half and subtract \$12.50. To calculate the city/town share of the fee, divide the total fee in half and add \$12.50.

To calculate filing fees, refer to the category fee list and examples in the instructions for filling out WPA Form 3 (Notice of Intent).



Massachusetts Department of Environmental Protection
 Bureau of Resource Protection - Wetlands
NOI Wetland Fee Transmittal Form
 Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

B. Fees (continued)

Step 1/Type of Activity	Step 2/Number of Activities	Step 3/Individual Activity Fee	Step 4/Subtotal Activity Fee
Category 2 any other activity (LSCF)	1	\$500.00	\$500.00
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
Step 5/Total Project Fee:			\$500.00

Step 6/Fee Payments:

Total Project Fee:	\$987.50 (see cover letter)
State share of filing Fee:	\$237.50
City/Town share of filing Fee:	b. 1/2 Total Fee less \$12.50
	\$750.00 (see cover letter)

C. Submittal Requirements

- a.) Complete pages 1 and 2 and send with a check or money order for the state share of the fee, payable to the Commonwealth of Massachusetts.

Department of Environmental Protection
 Box 4062
 Boston, MA 02211

- b.) **To the Conservation Commission:** Send the Notice of Intent or Abbreviated Notice of Intent; a **copy** of this form; and the city/town fee payment.

To MassDEP Regional Office (see Instructions): Send a copy of the Notice of Intent or Abbreviated Notice of Intent; a **copy** of this form; and a **copy** of the state fee payment. (E-filers of Notices of Intent may submit these electronically.)

1.0 PROJECT DESCRIPTION

This Notice of Intent Application has been prepared for the installation of one guard shack and three security gates at the Gillette Manufacturing facility in Boston, MA (See Figure 1 – USGS Locus Map and Figure 2 – Aerial Locus Map). This project consists of the installation of a concrete pad that will house a guard shack with security gates. The proposed project will not change impervious area on the site and is categorized as a “redevelopment project” under the Massachusetts Stormwater Management Standards. The project therefore is designed to meet the Standards to the maximum extent practicable.

The existing entrance off of “A” Street (herein after referred to as Location C) consists of a 28-foot wide paved access with a 6-foot chain link fence on the north side and jersey barriers on the south side of the entrance. The proposed work includes the installation of a concrete pad 15 feet in length, 8.5 feet in width, and 1 foot in height which will house a pre-manufactured guard shack that is 8 feet long and 7 feet wide. The guard shack will house the equipment necessary to operate security gates at this location 24 hours a day. In addition, the access will be reconfigured to provide two 12-foot lanes and one 14-foot lane (for truck traffic) with gates, which will result in widening of driveway into the adjacent paved lot, which is also owned by P&G Gillette.

This Notice of Intent (NOI) is being submitted to the Boston Conservation Commission pursuant to the Massachusetts Wetlands Protection Act (WPA) Regulations for work within the Land Subject to Coastal Storm Flowage.

1.1 EXISTING CONDITIONS

The existing Gillette site generally consists of impervious areas (buildings, parking lots, roads, sidewalks, and other roadway related features) with some small landscaped areas. The project site is located within Land Subject to Coastal Storm Flowage associated with the Fort Point Channel on the northern side of the project parcel. (See Figure 3 – FEMA Map). Runoff from the site is currently collected via catch basins and an existing closed drainage system on-site.

1.2 PROPOSED CONDITIONS

The proposed project includes the installation of a concrete pad, guard shack, and security gates. The construction of the concrete pad (1’ high) and concrete island (6” high) will result in 150 square feet of alteration to Land Subject to Coastal Storm Flowage. Work also includes the reconfiguration of the access to provide two dedicated lanes for employees and one for trucks entering and exiting the site. The proposed project is located entirely within existing paved areas and will not alter the drainage patterns or land coverage.

1.3 PROJECT PLAN LIST

The following plan sheets are included with this Notice of Intent:

Security Gate at Location C

<u>Sheet</u>	<u>Title</u>	<u>Prepared By</u>	<u>Date</u>
C-0	Notes & Legend	Green International Affiliates, Inc	03/07/2018
C-1	A Street Existing Conditions Plan	Green International Affiliates, Inc	03/07/2018
C-2	A Street Site Preparation & Erosion & Sediment Control Plan	Green International Affiliates, Inc	03/07/2018
C-3	A Street Proposed Site Plan	Green International Affiliates, Inc	03/07/2018
C-4	A Street Proposed Site Grading & Pavement Plan	Green International Affiliates, Inc	03/07/2018
C-5 – C-7	Details	Green International Affiliates, Inc	03/07/2018



SECURITY GATES
(LOCATION C)

USGS LOCUS MAP

SECURITY GATES (LOCATION C) AT A ST
BOSTON, MA

PREPARED BY:



GREEN INTERNATIONAL
AFFILIATES, INC.
CIVIL AND STRUCTURAL ENGINEERS
239 LITTLETON RD, WESTFORD, MA (978) 923-0400
24 ALBION RD, LINCOLN, RI (401) 305-7895

PREPARED FOR:

P&G, THE GILLETTE COMPANY
ONE GILLETTE PARK
BOSTON, MA 02127

SCALE: AS NOTED

PROJECT NO. 18003

DATE: 03/07/2018

DRAWN BY: KK

REVISED:

CHECKED BY: DS

FIGURE
1

SCALE IN FEET



ELEVATIONS IN METERS



FORT POINT CHANNEL

SECURITY GATES
(LOCATION C)

A STREET

S BOSTON BYPASS

W 2ND STREET



F:\Projects\2018\18003\Drawings\Environmental\Figures\Figure 2 - Aerial - 2015.dwg

AERIAL LOCUS MAP

SECURITY GATES (LOCATION C) AT A ST
BOSTON, MA

PREPARED BY:

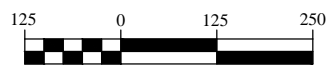


GREEN INTERNATIONAL AFFILIATES, INC.
CIVIL AND STRUCTURAL ENGINEERS
239 LITTLETON RD, WESTFORD, MA (978) 923-0400
24 ALBION RD, LINCOLN, RI (401) 305-7895

PREPARED FOR:

P&G, THE GILLETTE COMPANY
ONE GILLETTE PARK
BOSTON, MA 02127

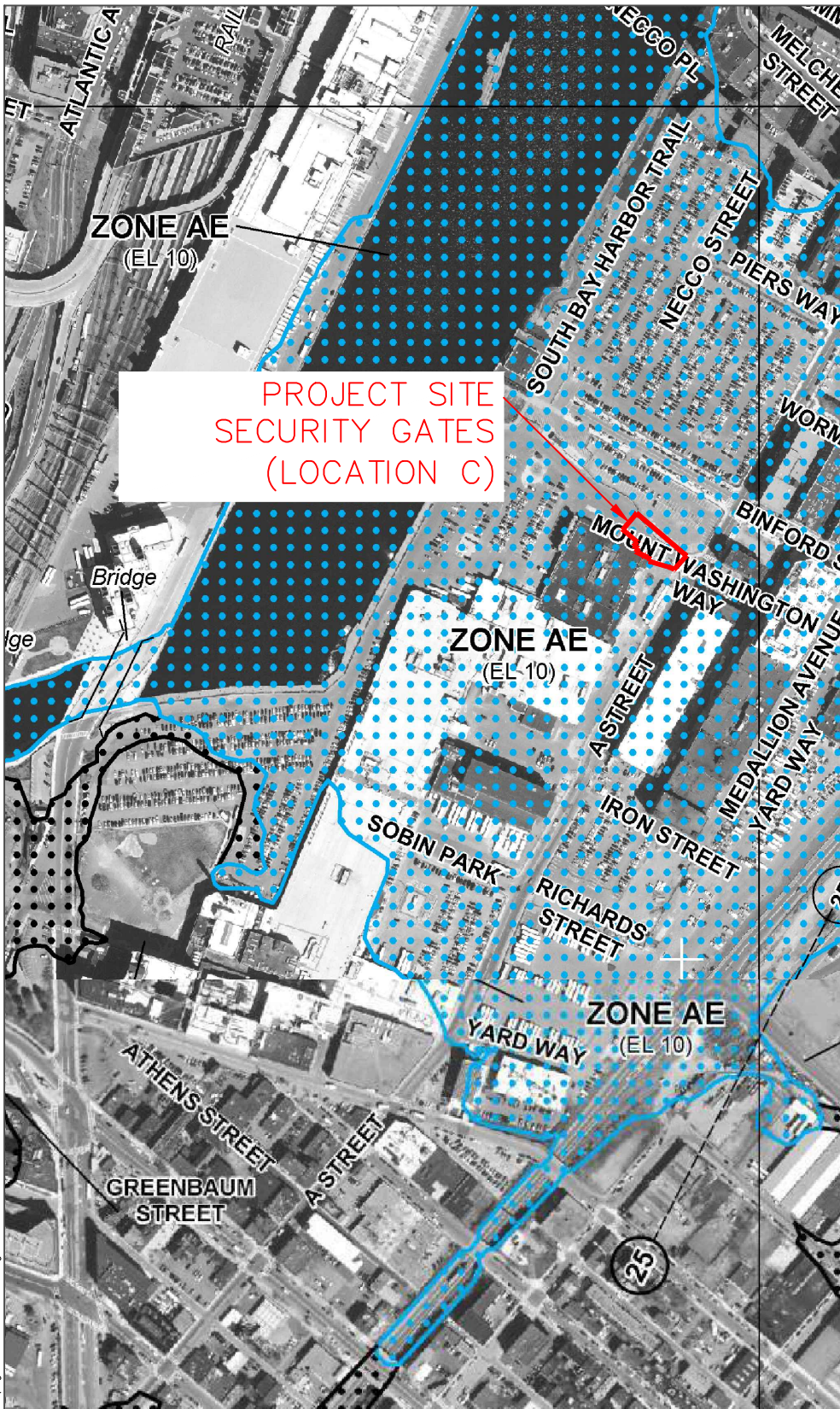
SCALE IN FEET



SCALE: AS NOTED
DATE: 03/07/2018
REVISED:

PROJECT NO. 18003
DRAWN BY: KK
CHECKED BY: DS

**FIGURE
2**

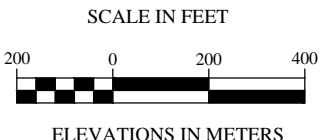


**PROJECT SITE
SECURITY GATES
(LOCATION C)**

LEGEND

- SPECIAL FLOOD HAZARD AREAS (SFHAs) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD**
The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.
- ZONE A** No Base Flood Elevations determined.
- ZONE AE** Base Flood Elevations determined.
- ZONE AH** Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
- ZONE AO** Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
- ZONE AR** Special Flood Hazard Areas formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
- ZONE A99** Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.
- ZONE V** Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
- ZONE VE** Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.
- FLOODWAY AREAS IN ZONE AE**
The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.
- OTHER FLOOD AREAS**
- ZONE X** Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.
- OTHER AREAS**
- ZONE X** Areas determined to be outside the 0.2% annual chance floodplain.
- ZONE D** Areas in which flood hazards are undetermined, but possible.
- COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS**
- OTHERWISE PROTECTED AREAS (OPAs)**
CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.
- 1% Annual Chance Floodplain Boundary
- 0.2% Annual Chance Floodplain Boundary
- Floodway boundary
- Zone D boundary
- CBRS and OPA boundary
- Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths, or flood velocities.
- Limit of Moderate Wave Action
- Limit of Moderate Wave Action coincident with Zone Break
- Base Flood Elevation line and value; elevation in feet*
(EL 987)
- Base Flood Elevation value where uniform within zone; elevation in feet*
- *Referenced to the North American Vertical Datum of 1988
- Cross section line
- Transect line
- Culvert
- Bridge
- 45° 02' 08", 93° 02' 12" Geographic coordinates referenced to the North American Datum of 1983 (NAD 83) Western Hemisphere
- 4989000 M 1000-meter grid; Massachusetts State Plane Mainland Zone (FIPS Zone 2001), Lambert Conformal Conic projection
- 4989000 N 1000-meter Universal Transverse Mercator tick values, zone 19N
- DX5510 X Bench mark (see explanation in Notes to Users section of this FIRMs panel)
- MAP REPOSITORIES**
Refer to Map Repositories list on Map Index
- EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP**
September 25, 2009
- EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL**
March 16, 2016 - to change Base Flood Elevations and Special Flood Hazard Areas, to change zone designations, to update the effects of wave action, to update corporate limits, to add roads and road names, to incorporate previously issued Letters of Map Revision and to modify Coastal Barrier Resource System units.
- For community map revision history prior to countywide mapping, refer to the Community Map History table located in the Flood Insurance Study report for this jurisdiction.
- To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

F:\Projects\2018\18003\Drawings\Environmental\Figures\Figure 3 - FEMA.dwg



<h1>FEMA MAP</h1>	
<h2>SECURITY GATES (LOCATION C) AT A ST</h2>	
<h3>BOSTON, MA</h3>	
PREPARED BY: GREEN INTERNATIONAL AFFILIATES, INC. CIVIL AND STRUCTURAL ENGINEERS 239 LITTLETON RD, WESTFORD, MA (978) 923-0400 24 ALBION RD, LINCOLN, RI (401) 305-7895	PREPARED FOR: P&G, THE GILLETTE COMPANY ONE GILLETTE PARK BOSTON, MA 02127
SCALE: AS NOTED	PROJECT NO. 18003
DATE: 03/07/2018	DRAWN BY: KK
REVISED:	CHECKED BY: DS
FIGURE 3	

2.0 RESOURCE AREAS

2.1 WETLAND RESOURCE AREAS

The Wetland Resource Areas on the Project Site are regulated under Federal, State and Local regulatory programs including:

- Section 404 of the Clean Water Act (CWA) which is administered by the U.S. Army Corps of Engineers (ACOE)
- Section 401 of the CWA which is overseen by the Massachusetts Department of Environmental Protection (DEP)
- Massachusetts Wetlands Protection Act (WPA) and 310 CMR 10.00 which is administered by the Local Conservation Commission or (upon appeal) by DEP

The project site is located within Lands Subject to Coastal Storm Flowage (LSCSF). These areas are identified on Figure 3 – FEMA Map, attached to this application and are further described below.

2.1.1 Land Subject to Coastal Storm Flowage (LSCSF)

The project is located within the 100-year flood plain as shown on the Flood Insurance Rate Map (FIRM) for the City of Boston, Massachusetts, Panel No. 2502860081J and Panel No. 2502860083J, dated September 25, 2009 and revised March 16, 2016. The flood plain area is shown on Figure 3 – FEMA Map. As this area is coastal, the flood plain is referred to as Land Subject to Coastal Storm Flowage.

2.2 PROJECT IMPACTS

The project has been designed to avoid resource area impacts to the maximum extent practicable and will mitigate unavoidable resource area impacts in accordance with state regulations.

2.2.1 Direct Impacts

The project site construction impacts to the resource areas are limited to areas located within the Bordering Land Subject to Coastal Storm Flowage associated with the Fort Point Channel. No other resource areas are affected by the construction project.

Lands Subject to Coastal Storm Flowage (LSCSF)

The project is located within the 100-year flood plain as shown on the Flood Insurance Rate Map (FIRM) for the City of Boston, Massachusetts, Panel No. 2502860081J and Panel No. 2502860083J, dated September 25, 2009 and revised March 16, 2016. The project is designed to improve security and traffic flow into the site. These improvements will result in alterations to LSCSF. There are no performance standards for work within LSCSF.

2.2.2 Temporary Impacts

Temporary impacts to resource areas during construction of the project will be the same as the direct impacts. No additional temporary impacts are anticipated.

2.2.3 Stormwater Management

Stormwater management for this project has been designed in compliance with the Stormwater Management Standards as outlined in 310 CMR 10.05(6)(k) through (q) and defined in detail in the DEP's Stormwater Management Handbook. The project has been designed to meet the stormwater standards to the maximum extent practicable. A Stormwater Memo documenting compliance with the DEP's Stormwater Management Standards, is attached as Appendix C to this report.

2.2.4 Rare Species

The project site is not located within any areas designated as an Estimated Habitat of Rare Wildlife and a Priority Habitat of Rare Species by the Natural Heritage & Endangered Species Program (NHESP) 2008 Maps.

2.2.5 Water Quality

Per MassGIS online data mapping, the subject resource areas are not classified as Outstanding Resource Waters, according to the Massachusetts Surface Water Quality Standards.

2.2.6 Area of Critical Environmental Concern

Per MassGIS online data mapping, the project site is not located within an Area of Critical Environmental Concern (ACEC).

2.2.7 Mitigation Measures

Erosion and Sediment Control

To protect the resource areas during construction silt sack BMPs will be installed in existing catch basins as shown on the attached plan set. The silt sacks will be maintained in good condition until on-site soils are stabilized. All areas will be permanently stabilized following the completion of construction work. For additional information on erosion and sediment controls please see the attached Stormwater Management Memo in Appendix C of this report.



APPENDIX A – PHOTOS





Photo Log – February 2018

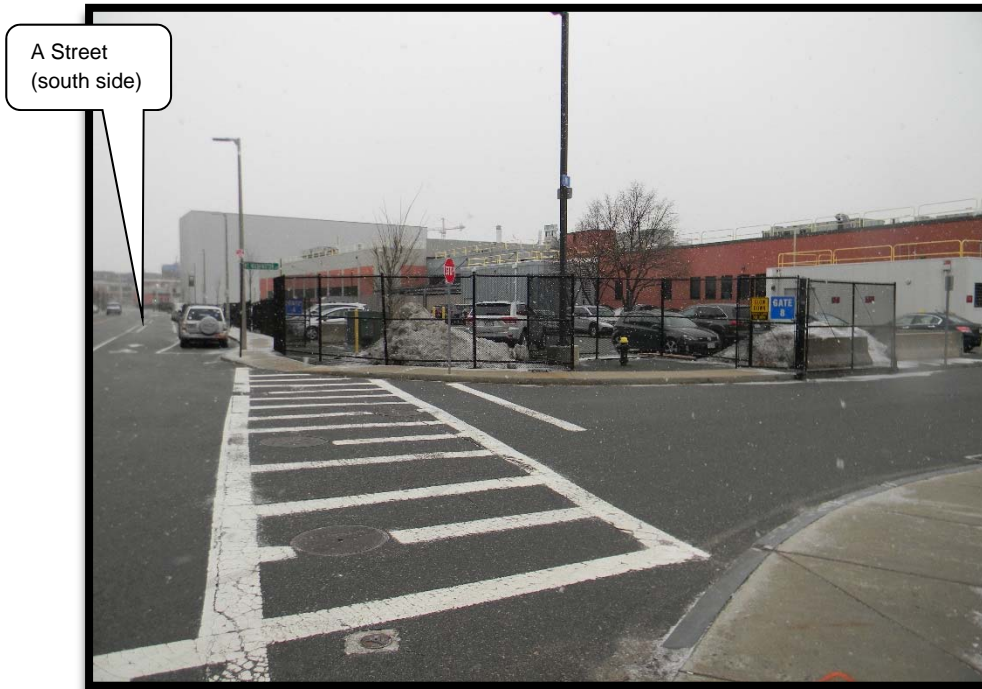


Photo 01 – On corner of A Street and Driveway to Project looking southwest

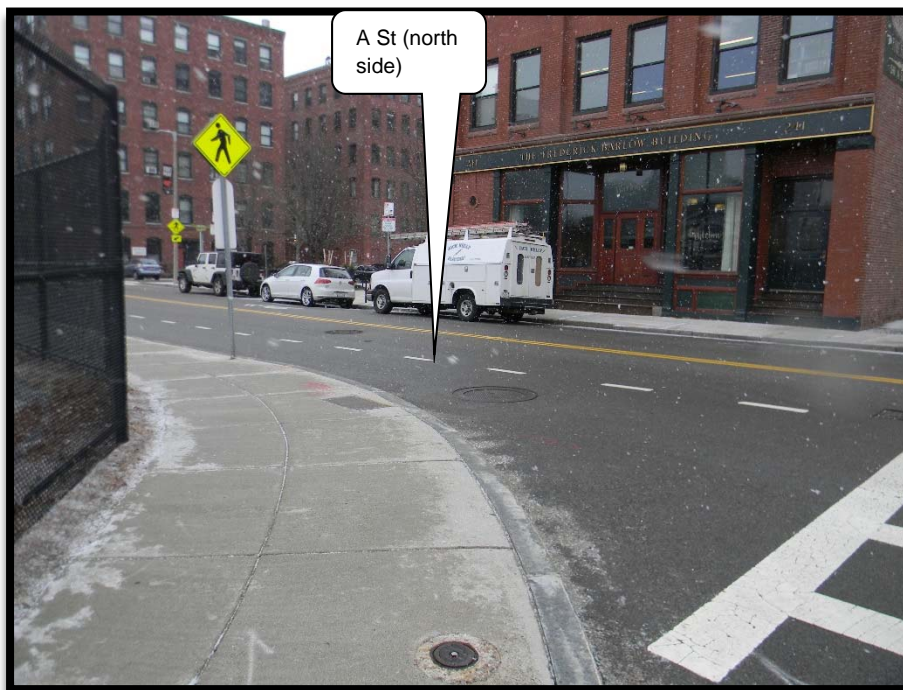


Photo 02 – On corner of A Street and Driveway looking northeast



Photo 03 – On corner of A Street and Driveway looking west at Project location.



Photo 04 – Looking east at Project location



Photo 05 – Looking southeast at Project location

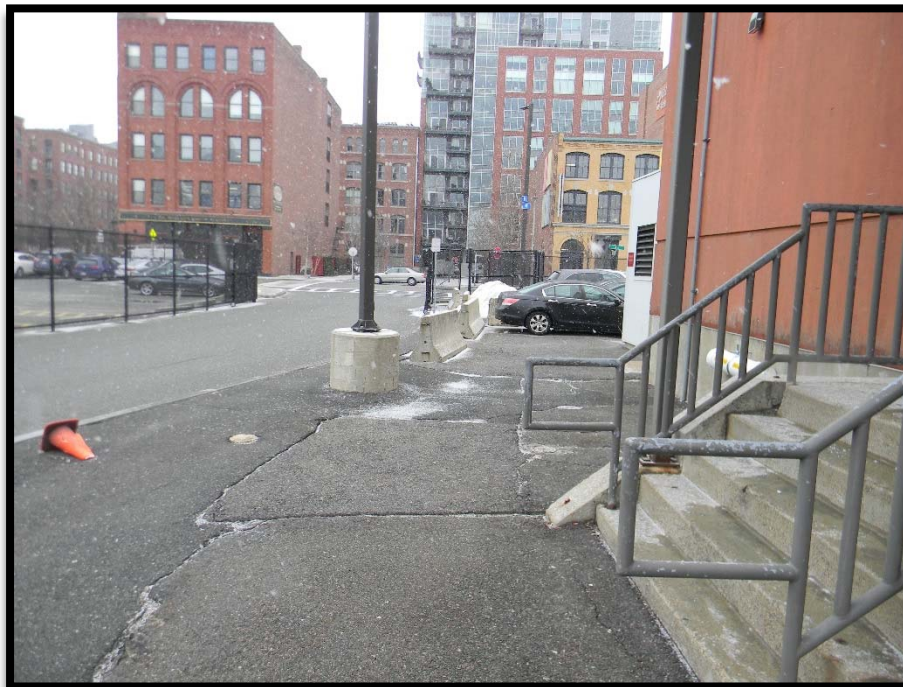


Photo 06 – Looking east at Driveway entrance



Photo 07 – Looking west at Driveway



Photo 08 – Standing next to Driveway looking northwest

APPENDIX B – ABUTTER INFORMATION

- ***Certified Abutters List***
- ***Abutter Notification***
- ***Affidavit of Service***



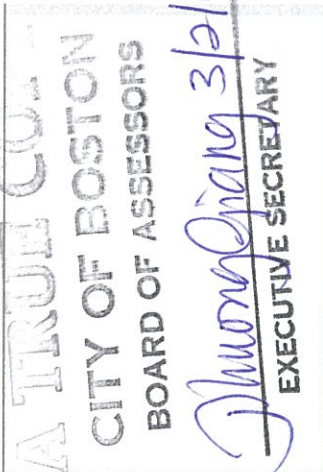
Abutter Mailing List Generator --- City of Boston Assessing Department

Enter/Select a Street Name:

CITY HALL

Find Addresses

Click an Address to find a Parcel:



Enter a Parcel ID:

0601169000

Find a Parcel

When you can see Parcels:

Click Here to Select a Parcel

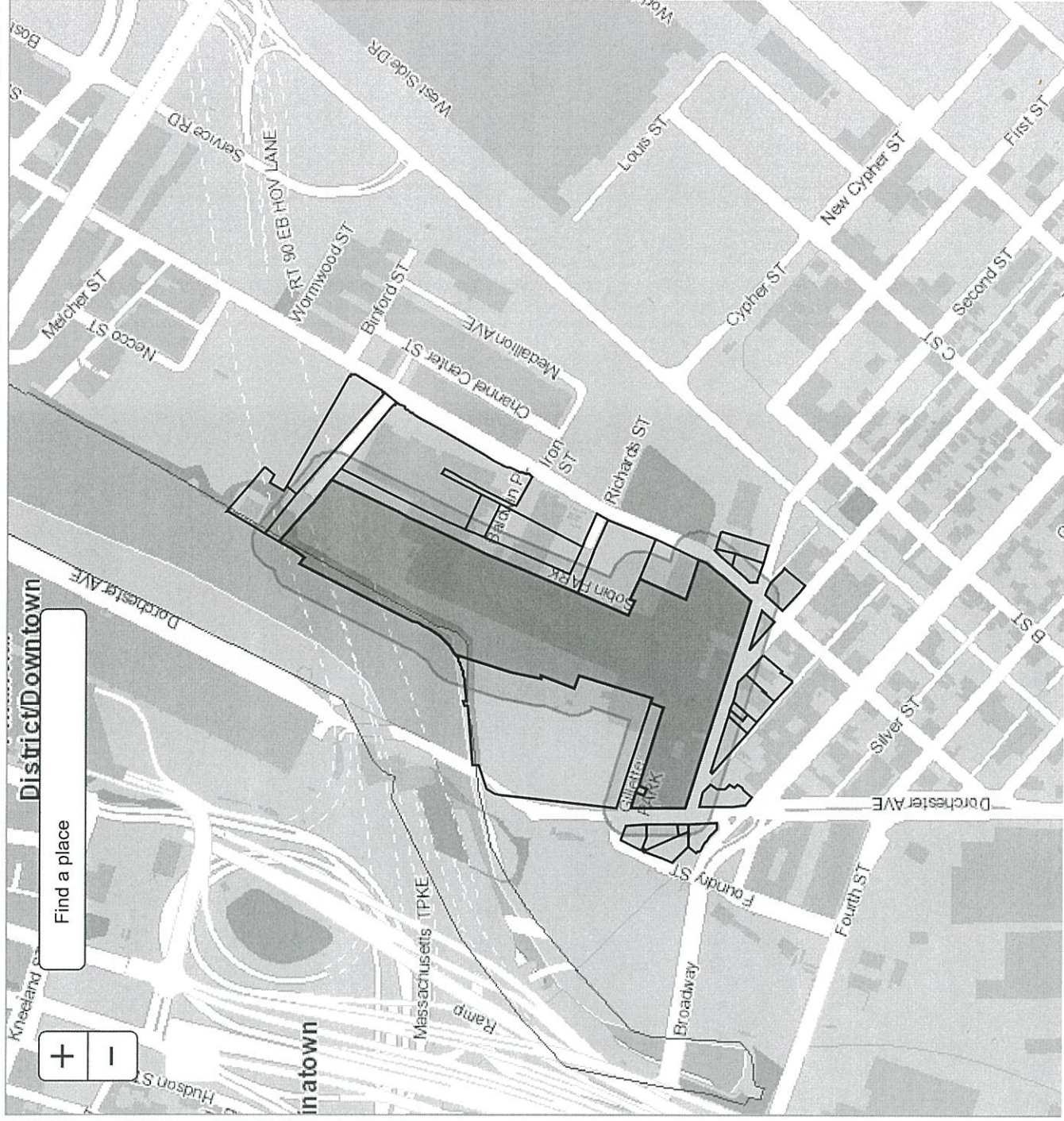
Buffer Parameters:

Distance: 100

Feet

Buffer and Select

Click [here](#) to download a CSV file (Open in Notepad, not in Excel) for Mailing list.
 Click [here](#) for an instruction to



PID	OWNER	ADDRESSEE	MLG_ADDRESS	MLG_CITYSTATE	MLG_ZIPCODE	LOC_ADDRESS	LOC_CITY	LOC_ZIPCODE
06000014000	GILLETTE MANUFACTURING	C/O D. WALLS/PROCTOR & GAMBLE	PO BOX 599; ATTN: TAX DIVISION	CINCINNATI OH	45201	DORCHESTER AV	SOUTH BOSTON	2127
06000012000	GILLETTE MANUFACTURING	C/O D. WALLS/PROCTOR&GAMBLE	PO BOX 599; ATTN: TAX DIVISION	CINCINNATI OH	45201	69 DORCHESTER AV	SOUTH BOSTON	2127
06000032000	SIX WEST BROADWAY LLC	C/O SIX WEST BROADWAY LLC	546 EAST BROADWAY	SOUTH BOSTON MA	2127	6 W BROADWAY	SOUTH BOSTON	2127
06000013000	GILLETTE MANUFACTURING	C/O D. WALLS/PROCTOR & GAMBLE	PO BOX 599; ATTN: TAX DIVISION	CINCINNATI OH	45201	77 DORCHESTER AV	SOUTH BOSTON	2127
06000013001	GILLETTE MANUFACTURING	C/O D. WALLS/PROCTOR & GAMBLE	PO BOX 599; ATTN: TAX DIVISION	CINCINNATI OH	45201	81 DORCHESTER AV	SOUTH BOSTON	2127
06000017000	MASS BAY TRANSPNTN AUTH		FOUNDRY	SOUTH BOSTON MA	2127	FOUNDRY ST	SOUTH BOSTON	2127
0601168001	GILLETTE COMPANY (USA)	C/O D WALLS/PROCTER&GAMBLE	PO BOX 599 - ATTN: TAX DIVISION	CINCINNATI OH	45201	BINFORD ST	BOSTON	2127
0601168002	GILLETTE COMPANY	C/O D WALLS/PROCTER & GAMBLE	PO BOX 599 - ATTN: TAX DIVISION	CINCINNATI OH	45201	MT WASHINGTON AV	BOSTON	2127
0601169004	GILLETTE MANUFACTURING	C/O D WALLS/PROCTER & GAMBLE	PO BOX 599 - ATTN: TAX DIVISION	CINCINNATI OH	45201	A ST	BOSTON	2127
0601176000	ARTISTS FOR HUMANITY INC	C/O ARTISTS FOR HUMANITY INC	100 W SECOND ST	SOUTH BOSTON MA	2127	W SECOND ST	BOSTON	2127
0601186000	GILLETTE MANUFACTURING USA	C/O D WALLS/PROCTER & GAMBLE	PO BOX 599 - ATTN: TAX DIVISION	CINCINNATI OH	45201	18 W THIRD ST	SOUTH BOSTON	2127
0601169005	MASS BAY TRANSP AUTH		DORCHESTER AVE	SOUTH BOSTON MA	2127	DORCHESTER AV	BOSTON	2127
0601213000	ALESSANDRINI LEWIS A TS		149 TRAINCROFT NW	MEDFORD MA	2155	W SECOND ST	SOUTH BOSTON	2127
0601212010	WEST SECOND AT ATHENS LLC	C/O WEST SECOND AT ATHENS LLC	46 CRABTREE RD	SQUANTUM MA	2171	41 W SECOND ST	SOUTH BOSTON	2127
0601192000	100 A STREET LLC	C/O 100 A STREET LLC	36 CENTRAL AVE UNIT #C-2	MILTON MA	2186	79 W SECOND ST	SOUTH BOSTON	2127
0601165100	GILLETTE COMPANY	C/O D WALLS/PROCTER&GAMBLE	PO BOX 599 - ATTN: TAX DIVISION	CINCINNATI OH	45201	232 A ST	SOUTH BOSTON	2127
0601169000	GILLETTE MANUFACTURING USA	C/O D WALLS/PROCTER & GAMLBE	PO BOX 599 - ATTN: TAX DIVISION	CINCINNATI OH	45201	20 GILLETTE PK	SOUTH BOSTON	2127
0601172000	AFH EPICENTER INC	C/O AFH EPICENTER INC	100 W SECOND ST	SOUTH BOSTON MA	2127	117 A ST	BOSTON	2127
0601211000	GILLETTE MANUFACTURING	C/O D WALLS/PROCTER & GAMBLE	PO BOX 599 - ATTN: TAX DIVISION	CINCINNATI OH	45201	ATHENS ST	SOUTH BOSTON	2127
0601217000	ALESSANDRINI LEWIS A		149 TRAINCROFT NW	MEDFORD MA	2155	49 W SECOND ST	SOUTH BOSTON	2127
0601169001	GILLETTE MANUFACTURING USA	C/O D WALLS/PROCTER & GAMBLE	PO BOX 599 - ATTN: TAX DIVISION	CINCINNATI OH	45201	SOBIN PK	BOSTON	2127
0601170000	GILLETTE COMPANY	C/O PROCTOR & GAMBLE/D. WALL	PO BOX 599	CINCINNATI OH	45201	GILLETTE PK	BOSTON	2127
0601220000	ALESSANDRINI LEWIS A TRST	C/O ELIZABETH ALESSANDRI	149 TRAINCROFT	MEDFORD MA	2155	9 W THIRD ST	SOUTH BOSTON	2127
0601175000	AFH EPICENTER INC	C/O AFH EPICENTER INC	100 W SECOND ST	S BOSTON MA	2127	100 W SECOND ST	BOSTON	2127
0602736000	GILLETTE MANUFACTURING	C/O D WALLS/PROCTER&GAMBLE	PO BOX 599 - ATTN: TAX DIV	CINCINNATI OH	45201	44 SOBIN PK	BOSTON	2210
0602731000	GILLETTE MANUFACTURING	C/O D WALLS/PROCTER&GAMLE	PO BOX 599 - ATTN: TAX DIVISION	CINCINNATI OH	45201	76 SOBIN PK	BOSTON	2210
0602738000	THE GILLETTE COMPANY	C/O D WALLS/PROCTER & GAMBLE	PO BOX 599 - ATTN: TAX DIV	CINCINNATI OH	45201	SOBIN PK	BOSTON	2210
0602739000	GILLETTE MANUFACTURING	C/O D WALLS/PROCTER & GAMBLE	PO BOX 599 - ATTN: TAX DIVISION	CINCINNATI OH	45201	20 SOBIN PK	BOSTON	2127

A TRUE COPY
CITY OF BOSTON
BOARD OF ASSESSORS

Phuong Giang 3/2/18
EXECUTIVE SECRETARY

NOTIFICATION TO ABUTTERS UNDER
THE MASSACHUSETTS WETLAND PROTECTION ACT

- A. The name of the applicant(s) is P&G The Gillette Company
- B. The applicant has filed a Notice of Intent with the Conservation Commission for the City of Boston, Massachusetts, seeking to work within an Area Subject to Protection under the Massachusetts Wetlands Protection Act (General Laws Chapter 131, Section 40).
- C. The proposed project to occur at 20 Gillette Park, Boston, MA 02127
(Address)
- D. Copies of application may be obtained by contacting: The City of Boston Conservation Commission Monday - Friday between the hours of 8AM – 4:00PM.
- E. A public hearing will be held on March 21, 2018 at or after 6:00 p.m. in the Piemonte Room, 5th floor, City Hall, Boston, MA 02201 on Notice of Intent From P&G The Gillette Company, 20 Gillette Park, Boston, MA 02127
(Name & address of applicant)
- F. Project Description: This project consists of the installation of a concrete island and a concrete pad that will house a guard shack with security gates. The proposed project will not change impervious area on the site. See project description in the Notice of Intent Report for more information.
-
- G. Notice of the public hearing, including the date, time, and place will be posted in the Boston Herald not less than five (5) days in advance of the public hearing.
- H. You may also contact your local Conservation Commission at 617-635-3850 or the nearest Department of Environmental Protection Regional Office for more information about this application or The Wetlands Protection Act. To contact the Department of Environmental Protection, please call the Northeast Regional Office at (978) 694-3200.

AFFIDAVIT OF SERVICE
Under the Massachusetts Wetlands Protection Act

I, Danielle Spicer, hereby certify, under the pains and penalties of perjury, that on March 7, 2018, I provided notification to abutters in compliance with the second paragraph of Massachusetts General Laws Chapter 131, Section 40, and the **DEP Guide to Abutter Notification** dated April 8, 1994, in connection with the following matter:

A Notice of Intent filed under the Massachusetts Wetlands Protection Act by P&G The Gillette Company, with the Town of Boston Conservation Commission on March 7, 2018, for the work associated with the installation of a pre-manufactured guard shack on a concrete pad, installation of security gates, and the reconfiguration of the access to provide three dedicated entrances/exits.

The form of notification, and a list of the abutters to whom it was given and their addresses, are attached to this Affidavit of Service.



Signature – Danielle Spicer

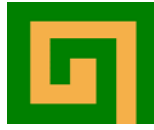
March 7, 2018

Date



APPENDIX C – STORMWATER MEMORANDUM AND CHECKLIST





MEMORANDUM

To: City of Boston Conservation Commission Members
Cc: Mauricio Falanti, P&G Gillette
Project File: 18003
From: Danielle Spicer, P.E. Green
Date: March 7, 2018
Project: P&G Gillette Location C Security Shed and Gates (Green No. 18003)
Subject: P&G Gillette Location C Security Shed and Gates – Stormwater Memo

P&G Gillette proposes to install concrete pads, guard shack, and security gates. It also proposes the relocation of chain link fence, widening of driveway into the adjacent lot, which is owned by P&G Gillette, and removal of sidewalk to accommodate an additional lane on the north side of Location C.

The work proposed is within the jurisdiction of the Wetland Protection Act (WPA) and as such a Notice of Intent (NOI) is being submitted. As part of the NOI submission, stormwater mitigation must be addressed. This memo is being submitted to address the ten standards outlined in the Massachusetts Stormwater handbook, last revised January 2008, and how the project is meeting them.

The project will result in no change in impervious area and this project represents a “Redevelopment” under the MassDEP Stormwater Management Standards and therefore subject to meet Standards 2, 3, 4, 5 and 6 to the maximum extent practicable. This memo is organized into sections that correspond to the categories listed in the “Massachusetts Stormwater Report Checklist”. The Checklist is included as an Appendix to this report.

PROJECT BACKGROUND

The installation of a concrete pad, guard shack, and security gates will result in no change in impervious area. Existing parking lot area will be converted to roof area or replaced with new parking lot area.

The proposed project will not change impervious area on the site. Stormwater calculations were not included with this project because the project is located within a coastal area and the Curve Number (CN) value is not changing. The existing land within the limit of work is pavement and the proposed land will remain pavement with the exception of the pre-manufactured guard shack that will be located over pavement. Both pavement and roof have a CN of 98; therefore the runoff will not change under proposed conditions. In addition, since the project is located in a coastal area *this Standard may be waived for discharges to land subject to coastal storm flowage as defined in 310 CMR 10.04* as noted on page 5 in Volume I, Chapter 1 of the MA Stormwater Standards. This waiver was checked off in the checklist that was included in the NOI.

PROJECT COMPLIANCE WITH MASSACHUSETTS STORMWATER STANDARDS

- 1. NO NEW STORMWATER CONVEYANCES (E.G. OUTFALLS) MAY DISCHARGE UNTREATED STORMWATER DIRECTLY TO OR CAUSE EROSION IN WETLANDS OR WATERS OF THE COMMONWEALTH.**

The proposed project will not result in any new discharges. The proposed project will not alter drainage patterns or land coverage. Runoff under proposed conditions will continue to discharge through existing catch basins throughout the site.

- 2. STORMWATER MANAGEMENT SYSTEMS SHALL BE DESIGNED SO THAT POST-DEVELOPMENT PEAK DISCHARGE RATES DO NOT EXCEED PRE-DEVELOPMENT PEAK DISCHARGE RATES. THIS STANDARD MAY BE WAIVED FOR DISCHARGES TO LAND SUBJECT TO COASTAL STORM FLOWAGE AS DEFINED IN 310 CMR 10.04.**

This project does not involve any increase in impervious surface. The post-development runoff will be equal to pre-development runoff. In addition, the site is located within land subject to coastal storm flowage; therefore meeting peak rate attenuation is unnecessary and a waiver is requested.

- 3. LOSS OF ANNUAL RECHARGE TO GROUNDWATER SHALL BE ELIMINATED OR MINIMIZED THROUGH THE USE OF INFILTRATION MEASURES INCLUDING ENVIRONMENTALLY SENSITIVE SITE DESIGN, LOW IMPACT DEVELOPMENT TECHNIQUES, STORMWATER BEST MANAGEMENT PRACTICES, AND GOOD OPERATION AND MAINTENANCE. AT A MINIMUM, THE ANNUAL RECHARGE FROM THE POST-DEVELOPMENT SITE SHALL APPROXIMATE THE ANNUAL RECHARGE FROM PRE-DEVELOPMENT CONDITIONS BASED ON SOIL TYPE. THIS STANDARD IS MET WHEN THE STORMWATER MANAGEMENT SYSTEM IS DESIGNED TO INFILTRATE THE REQUIRED RECHARGE VOLUME AS DETERMINED IN ACCORDANCE WITH THE MASSACHUSETTS STORMWATER HANDBOOK.**

This project is a redevelopment project and needs to meet Standard 3 to the maximum extent practicable. This project results in no increase of impervious area. Therefore, there will be no loss of annual recharge to groundwater.

- 4. STORMWATER MANAGEMENT SYSTEMS SHALL BE DESIGNED TO REMOVE 80% OF THE AVERAGE ANNUAL POST-CONSTRUCTION LOAD OF TOTAL SUSPENDED SOLIDS (TSS). THIS STANDARD IS MET WHEN:**
 - a) Suitable practices for source control and pollution prevention are identified in a long-term pollution prevention plan, and thereafter are implemented and maintained;**
 - b) Structural stormwater best management practices are sized to capture the required water quality volume determined in accordance with the Massachusetts Stormwater Handbook; and**
 - c) Pretreatment is provided in accordance with the Massachusetts Stormwater Handbook.**

Long term operation and maintenance activities will be performed by P&G Gillette Facilities.

To meet the requirements of Standard No. 4, a redevelopment project must achieve the best practicable degree of treatment for redeveloped areas. Under existing conditions, stormwater runoff is from the parking lot. Under proposed conditions, some driveway within the project area will be replaced by a concrete pad with a pre-manufactured guard shack. A portion of the runoff will therefore be from roof area, which is considered clean per the Massachusetts Stormwater Handbook.

5. **FOR LAND USES WITH HIGHER POTENTIAL POLLUTANT LOADS, SOURCE CONTROL AND POLLUTION PREVENTION SHALL BE IMPLEMENTED IN ACCORDANCE WITH THE MASSACHUSETTS STORMWATER HANDBOOK TO ELIMINATE OR REDUCE THE DISCHARGE OF STORMWATER RUNOFF FROM SUCH LAND USES TO THE MAXIMUM EXTENT PRACTICABLE. IF THROUGH SOURCE CONTROL AND/OR POLLUTION PREVENTION ALL LAND USES WITH HIGHER POTENTIAL POLLUTANT LOADS CANNOT BE COMPLETELY PROTECTED FROM EXPOSURE TO RAIN, SNOW, SNOW MELT, AND STORMWATER RUNOFF, THE PROPONENT SHALL USE THE SPECIFIC STRUCTURAL STORMWATER BMPS DETERMINED BY THE DEPARTMENT TO BE SUITABLE FOR SUCH USES AS PROVIDED IN THE MASSACHUSETTS STORMWATER HANDBOOK. STORMWATER DISCHARGES FROM LAND USES WITH HIGHER POTENTIAL POLLUTANT LOADS SHALL ALSO COMPLY WITH THE REQUIREMENTS OF THE MASSACHUSETTS CLEAN WATERS ACT, M.G.L. C. 21, §§ 26-53 AND THE REGULATIONS PROMULGATED THEREUNDER AT 314 CMR 3.00, 314 CMR 4.00 AND 314 CMR 5.00.**

The project site is considered a Land Use with Higher Potential Pollutant Loads (LUHPPL) therefore this Standard does apply. No changes to the existing stormwater system are proposed. The proposed project will maintain existing stormwater conditions, and improve the quality of stormwater runoff by replacing some driveway area with a building roof.

6. **STORMWATER DISCHARGES WITHIN THE ZONE II OR INTERIM WELLHEAD PROTECTION AREA OF A PUBLIC WATER SUPPLY, AND STORMWATER DISCHARGES NEAR OR TO ANY OTHER CRITICAL AREA, REQUIRE THE USE OF THE SPECIFIC SOURCE CONTROL AND POLLUTION PREVENTION MEASURES AND THE SPECIFIC STRUCTURAL STORMWATER BEST MANAGEMENT PRACTICES DETERMINED BY THE DEPARTMENT TO BE SUITABLE FOR MANAGING DISCHARGES TO SUCH AREAS, AS PROVIDED IN THE MASSACHUSETTS STORMWATER HANDBOOK. A DISCHARGE IS NEAR A CRITICAL AREA IF THERE IS A STRONG LIKELIHOOD OF A SIGNIFICANT IMPACT OCCURRING TO SAID AREA, TAKING INTO ACCOUNT SITE-SPECIFIC FACTORS. STORMWATER DISCHARGES TO OUTSTANDING RESOURCE WATERS AND SPECIAL RESOURCE WATERS SHALL BE REMOVED AND SET BACK FROM THE RECEIVING WATER OR WETLAND AND RECEIVE THE HIGHEST AND BEST PRACTICAL METHOD OF TREATMENT. A "STORM WATER DISCHARGE" AS DEFINED IN 314 CMR 3.04(2)(A)1 OR (B) TO AN OUTSTANDING RESOURCE WATER OR SPECIAL RESOURCE WATER SHALL COMPLY WITH 314 CMR 3.00 AND 314 CMR 4.00. STORMWATER DISCHARGES TO A ZONE I OR ZONE A ARE PROHIBITED UNLESS ESSENTIAL TO THE OPERATION OF A PUBLIC WATER SUPPLY.**

The project site is not within a stormwater critical area and therefore Standard 6 is not applicable.

7. **A REDEVELOPMENT PROJECT IS REQUIRED TO MEET THE FOLLOWING STORMWATER MANAGEMENT STANDARDS ONLY TO THE MAXIMUM EXTENT PRACTICABLE: STANDARD 2, STANDARD 3, AND THE PRETREATMENT AND STRUCTURAL BEST MANAGEMENT PRACTICE REQUIREMENTS OF STANDARDS 4, 5, AND 6. EXISTING STORMWATER DISCHARGES SHALL COMPLY WITH STANDARD 1 ONLY TO THE MAXIMUM EXTENT PRACTICABLE. A REDEVELOPMENT PROJECT SHALL ALSO COMPLY WITH ALL OTHER REQUIREMENTS OF THE STORMWATER MANAGEMENT STANDARDS AND IMPROVE EXISTING CONDITIONS.**

As stated previously, the proposed project will maintain existing stormwater conditions, and improve the quality of stormwater runoff by replacing some driveway area with a building roof. A Redevelopment Checklist is provided at the end of this memo which illustrates which standards have been met to the maximum extent practicable.

- 8. A PLAN TO CONTROL CONSTRUCTION-RELATED IMPACTS INCLUDING EROSION, SEDIMENTATION AND OTHER POLLUTANT SOURCES DURING CONSTRUCTION AND LAND DISTURBANCE ACTIVITIES (CONSTRUCTION PERIOD EROSION, SEDIMENTATION, AND POLLUTION PREVENTION PLAN) SHALL BE DEVELOPED AND IMPLEMENTED.**

An Erosion and Sediment Control Plan is included in the NOI Plan Set and addresses erosion and sediment controls for the site. As the site will not disturb more than one acre of land during the construction process, a National Pollutant Discharge Elimination System (NPDES) Stormwater Permit will not be required.

- 9. A LONG-TERM OPERATION AND MAINTENANCE PLAN SHALL BE DEVELOPED AND IMPLEMENTED TO ENSURE THAT STORMWATER MANAGEMENT SYSTEMS FUNCTION AS DESIGNED.**

Long term operation and maintenance activities will be performed by P&G Gillette Facilities.

- 10. ALL ILLICIT DISCHARGES TO THE STORMWATER MANAGEMENT SYSTEM ARE PROHIBITED.**

The existing site does have combined sewer/drainage systems. The project is not proposing any changes to the stormwater system at this time. No new illicit discharges are proposed as part of this project.

REDEVELOPMENT CHECKLIST

- Standard 1.** No new stormwater conveyances (e.g. outfalls) may discharge untreated stormwater directly to or cause erosion in wetlands or waters of the Commonwealth.
- Standard 2.** Stormwater management systems shall be designed so that post-development peak discharge rates do not exceed pre-development peak discharge rates. This Standard may be waived for discharges to land subject to coastal storm flowage as defined in 310 CMR 10.04.
- Standard 3.** Loss of annual recharge to groundwater shall be eliminated or minimized through the use of infiltration measures including environmentally sensitive site design, low impact development techniques, stormwater best management practices, and good operation and maintenance. At a minimum, the annual recharge from the post-development site shall approximate the annual recharge from pre-development conditions based on soil type. This Standard is met when the stormwater management system is designed to infiltrate the required recharge volume as determined in accordance with the Massachusetts Stormwater Handbook.

As a redevelopment project, the proposed work complies with this standard to the maximum extent practicable. This project results in no increase of in impervious area, thus resulting in no net loss of annual recharge to groundwater.

- Standard 4.** Stormwater management systems shall be designed to remove 80% of the average annual post-construction load of Total Suspended Solids (TSS). This Standard is met when:
- a. Suitable practices for source control and pollution prevention are identified in a long-term pollution prevention plan, and thereafter are implemented and maintained;

- b. Structural stormwater best management practices are sized to capture the required water quality volume determined in accordance with the Massachusetts Stormwater Handbook; and
- c. Pretreatment is provided in accordance with the Massachusetts Stormwater Handbook.

To meet the requirements of Standard No. 4, a redevelopment project must achieve the best practicable degree of treatment for redeveloped areas. Under existing conditions, stormwater runoff is from the parking lot. Under proposed conditions, some of the parking lot within the project area will be replaced by a pre-manufactured guard shack. A portion of the runoff will therefore be from roof area, which is considered clean per the Massachusetts Stormwater Handbook.

- Standard 5.** For land uses with higher potential pollutant loads, source control and pollution prevention shall be implemented in accordance with the Massachusetts Stormwater Handbook to eliminate or reduce the discharge of stormwater runoff from such land uses to the maximum extent practicable. If through source control and/or pollution prevention all land uses with higher potential pollutant loads cannot be completely protected from exposure to rain, snow, snow melt, and stormwater runoff, the proponent shall use the specific structural stormwater BMPs determined by the Department to be suitable for such uses as provided in the Massachusetts Stormwater Handbook. Stormwater discharges from land uses with higher potential pollutant loads shall also comply with the requirements of the Massachusetts Clean Waters Act, M.G.L. c. 21, §§ 26-53 and the regulations promulgated thereunder at 314 CMR 3.00, 314 CMR 4.00 and 314 CMR 5.00.

The project site is considered a Land Use with Higher Potential Pollutant Loads (LUHPPL) therefore this Standard does apply. No changes to the existing stormwater system are proposed. The proposed project will maintain existing stormwater conditions, and improve the quality of stormwater runoff by replacing some parking lot area with a roof area.

- Standard 6.** Stormwater discharges within the Zone II or Interim Wellhead Protection Area of a public water supply, and stormwater discharges near or to any other critical area, require the use of the specific source control and pollution prevention measures and the specific structural stormwater best management practices determined by the Department to be suitable for managing discharges to such areas, as provided in the Massachusetts Stormwater Handbook. A discharge is near a critical area if there is a strong likelihood of a significant impact occurring to said area, taking into account site-specific factors. Stormwater discharges to Outstanding Resource Waters and Special Resource Waters shall be removed and set back from the receiving water or wetland and receive the highest and best practical method of treatment. A “storm water discharge” as defined in 314 CMR 3.04(2) (a)1 or (b) to an Outstanding Resource Water or Special Resource Water shall comply with 314 CMR 3.00 and 314 CMR 4.00. Stormwater discharges to a Zone I or Zone A are prohibited unless essential to the operation of a public water supply.
- Standard 8.** A plan to control construction-related impacts including erosion, sedimentation and other pollutant sources during construction and land disturbance activities (construction period erosion, sedimentation, and pollution prevention plan) has been developed.

- Standard 9.** A long-term operation and maintenance plan shall be developed and implemented to ensure that stormwater management systems function as designed.

- Standard 10.** All illicit discharges to the stormwater management system are prohibited.

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Checklist for Stormwater Report

A. Introduction

Important: When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



A Stormwater Report must be submitted with the Notice of Intent permit application to document compliance with the Stormwater Management Standards. The following checklist is NOT a substitute for the Stormwater Report (which should provide more substantive and detailed information) but is offered here as a tool to help the applicant organize their Stormwater Management documentation for their Report and for the reviewer to assess this information in a consistent format. As noted in the Checklist, the Stormwater Report must contain the engineering computations and supporting information set forth in Volume 3 of the [Massachusetts Stormwater Handbook](#). The Stormwater Report must be prepared and certified by a Registered Professional Engineer (RPE) licensed in the Commonwealth.

The Stormwater Report must include:

- The Stormwater Checklist completed and stamped by a Registered Professional Engineer (see page 2) that certifies that the Stormwater Report contains all required submittals.¹ This Checklist is to be used as the cover for the completed Stormwater Report.
- Applicant/Project Name
- Project Address
- Name of Firm and Registered Professional Engineer that prepared the Report
- Long-Term Pollution Prevention Plan required by Standards 4-6
- Construction Period Pollution Prevention and Erosion and Sedimentation Control Plan required by Standard 8²
- Operation and Maintenance Plan required by Standard 9

In addition to all plans and supporting information, the Stormwater Report must include a brief narrative describing stormwater management practices, including environmentally sensitive site design and LID techniques, along with a diagram depicting runoff through the proposed BMP treatment train. Plans are required to show existing and proposed conditions, identify all wetland resource areas, NRCS soil types, critical areas, Land Uses with Higher Potential Pollutant Loads (LUHPPL), and any areas on the site where infiltration rate is greater than 2.4 inches per hour. The Plans shall identify the drainage areas for both existing and proposed conditions at a scale that enables verification of supporting calculations.

As noted in the Checklist, the Stormwater Management Report shall document compliance with each of the Stormwater Management Standards as provided in the Massachusetts Stormwater Handbook. The soils evaluation and calculations shall be done using the methodologies set forth in Volume 3 of the Massachusetts Stormwater Handbook.

To ensure that the Stormwater Report is complete, applicants are required to fill in the Stormwater Report Checklist by checking the box to indicate that the specified information has been included in the Stormwater Report. If any of the information specified in the checklist has not been submitted, the applicant must provide an explanation. The completed Stormwater Report Checklist and Certification must be submitted with the Stormwater Report.

¹ The Stormwater Report may also include the Illicit Discharge Compliance Statement required by Standard 10. If not included in the Stormwater Report, the Illicit Discharge Compliance Statement must be submitted prior to the discharge of stormwater runoff to the post-construction best management practices.

² For some complex projects, it may not be possible to include the Construction Period Erosion and Sedimentation Control Plan in the Stormwater Report. In that event, the issuing authority has the discretion to issue an Order of Conditions that approves the project and includes a condition requiring the proponent to submit the Construction Period Erosion and Sedimentation Control Plan before commencing any land disturbance activity on the site.



Checklist for Stormwater Report

B. Stormwater Checklist and Certification

The following checklist is intended to serve as a guide for applicants as to the elements that ordinarily need to be addressed in a complete Stormwater Report. The checklist is also intended to provide conservation commissions and other reviewing authorities with a summary of the components necessary for a comprehensive Stormwater Report that addresses the ten Stormwater Standards.

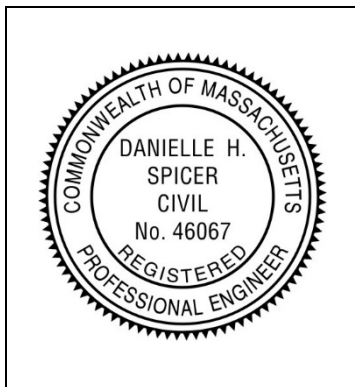
Note: Because stormwater requirements vary from project to project, it is possible that a complete Stormwater Report may not include information on some of the subjects specified in the Checklist. If it is determined that a specific item does not apply to the project under review, please note that the item is not applicable (N.A.) and provide the reasons for that determination.

A complete checklist must include the Certification set forth below signed by the Registered Professional Engineer who prepared the Stormwater Report.

Registered Professional Engineer's Certification

I have reviewed the Stormwater Report, including the soil evaluation, computations, Long-term Pollution Prevention Plan, the Construction Period Erosion and Sedimentation Control Plan (if included), the Long-term Post-Construction Operation and Maintenance Plan, the Illicit Discharge Compliance Statement (if included) and the plans showing the stormwater management system, and have determined that they have been prepared in accordance with the requirements of the Stormwater Management Standards as further elaborated by the Massachusetts Stormwater Handbook. I have also determined that the information presented in the Stormwater Checklist is accurate and that the information presented in the Stormwater Report accurately reflects conditions at the site as of the date of this permit application.

Registered Professional Engineer Block and Signature



Signature and Date

03/07/2018

Checklist

Project Type: Is the application for new development, redevelopment, or a mix of new and redevelopment?

- New development
- Redevelopment
- Mix of New Development and Redevelopment



Checklist for Stormwater Report

Checklist (continued)

LID Measures: Stormwater Standards require LID measures to be considered. Document what environmentally sensitive design and LID Techniques were considered during the planning and design of the project:

- No disturbance to any Wetland Resource Areas
- Site Design Practices (e.g. clustered development, reduced frontage setbacks)
- Reduced Impervious Area (Redevelopment Only)
- Minimizing disturbance to existing trees and shrubs
- LID Site Design Credit Requested:
 - Credit 1
 - Credit 2
 - Credit 3
- Use of "country drainage" versus curb and gutter conveyance and pipe
- Bioretention Cells (includes Rain Gardens)
- Constructed Stormwater Wetlands (includes Gravel Wetlands designs)
- Treebox Filter
- Water Quality Swale
- Grass Channel
- Green Roof
- Other (describe): _____

Standard 1: No New Untreated Discharges

- No new untreated discharges
- Outlets have been designed so there is no erosion or scour to wetlands and waters of the Commonwealth
- Supporting calculations specified in Volume 3 of the Massachusetts Stormwater Handbook included.



Checklist for Stormwater Report

Checklist (continued)

Standard 2: Peak Rate Attenuation

- Standard 2 waiver requested because the project is located in land subject to coastal storm flowage and stormwater discharge is to a wetland subject to coastal flooding.
- Evaluation provided to determine whether off-site flooding increases during the 100-year 24-hour storm.
- Calculations provided to show that post-development peak discharge rates do not exceed pre-development rates for the 2-year and 10-year 24-hour storms. If evaluation shows that off-site flooding increases during the 100-year 24-hour storm, calculations are also provided to show that post-development peak discharge rates do not exceed pre-development rates for the 100-year 24-hour storm.

Standard 3: Recharge

- Soil Analysis provided.
- Required Recharge Volume calculation provided.
- Required Recharge volume reduced through use of the LID site Design Credits.
- Sizing the infiltration, BMPs is based on the following method: Check the method used.
 - Static
 - Simple Dynamic
 - Dynamic Field¹
- Runoff from all impervious areas at the site discharging to the infiltration BMP.
- Runoff from all impervious areas at the site is *not* discharging to the infiltration BMP and calculations are provided showing that the drainage area contributing runoff to the infiltration BMPs is sufficient to generate the required recharge volume.
- Recharge BMPs have been sized to infiltrate the Required Recharge Volume.
- Recharge BMPs have been sized to infiltrate the Required Recharge Volume *only* to the maximum extent practicable for the following reason:
 - Site is comprised solely of C and D soils and/or bedrock at the land surface
 - M.G.L. c. 21E sites pursuant to 310 CMR 40.0000
 - Solid Waste Landfill pursuant to 310 CMR 19.000
 - Project is otherwise subject to Stormwater Management Standards only to the maximum extent practicable.
- Calculations showing that the infiltration BMPs will drain in 72 hours are provided.
- Property includes a M.G.L. c. 21E site or a solid waste landfill and a mounding analysis is included.

¹ 80% TSS removal is required prior to discharge to infiltration BMP if Dynamic Field method is used.



Checklist for Stormwater Report

Checklist (continued)

Standard 3: Recharge (continued)

- The infiltration BMP is used to attenuate peak flows during storms greater than or equal to the 10-year 24-hour storm and separation to seasonal high groundwater is less than 4 feet and a mounding analysis is provided.
- Documentation is provided showing that infiltration BMPs do not adversely impact nearby wetland resource areas.

Standard 4: Water Quality

The Long-Term Pollution Prevention Plan typically includes the following:

- Good housekeeping practices;
 - Provisions for storing materials and waste products inside or under cover;
 - Vehicle washing controls;
 - Requirements for routine inspections and maintenance of stormwater BMPs;
 - Spill prevention and response plans;
 - Provisions for maintenance of lawns, gardens, and other landscaped areas;
 - Requirements for storage and use of fertilizers, herbicides, and pesticides;
 - Pet waste management provisions;
 - Provisions for operation and management of septic systems;
 - Provisions for solid waste management;
 - Snow disposal and plowing plans relative to Wetland Resource Areas;
 - Winter Road Salt and/or Sand Use and Storage restrictions;
 - Street sweeping schedules;
 - Provisions for prevention of illicit discharges to the stormwater management system;
 - Documentation that Stormwater BMPs are designed to provide for shutdown and containment in the event of a spill or discharges to or near critical areas or from LUHPPL;
 - Training for staff or personnel involved with implementing Long-Term Pollution Prevention Plan;
 - List of Emergency contacts for implementing Long-Term Pollution Prevention Plan.
- A Long-Term Pollution Prevention Plan is attached to Stormwater Report and is included as an attachment to the Wetlands Notice of Intent.
 - Treatment BMPs subject to the 44% TSS removal pretreatment requirement and the one inch rule for calculating the water quality volume are included, and discharge:
 - is within the Zone II or Interim Wellhead Protection Area
 - is near or to other critical areas
 - is within soils with a rapid infiltration rate (greater than 2.4 inches per hour)
 - involves runoff from land uses with higher potential pollutant loads.
 - The Required Water Quality Volume is reduced through use of the LID site Design Credits.
 - Calculations documenting that the treatment train meets the 80% TSS removal requirement and, if applicable, the 44% TSS removal pretreatment requirement, are provided.



Checklist for Stormwater Report

Checklist (continued)

Standard 4: Water Quality (continued)

- The BMP is sized (and calculations provided) based on:
 - The ½" or 1" Water Quality Volume or
 - The equivalent flow rate associated with the Water Quality Volume and documentation is provided showing that the BMP treats the required water quality volume.
- The applicant proposes to use proprietary BMPs, and documentation supporting use of proprietary BMP and proposed TSS removal rate is provided. This documentation may be in the form of the propriety BMP checklist found in Volume 2, Chapter 4 of the Massachusetts Stormwater Handbook and submitting copies of the TARP Report, STEP Report, and/or other third party studies verifying performance of the proprietary BMPs.
- A TMDL exists that indicates a need to reduce pollutants other than TSS and documentation showing that the BMPs selected are consistent with the TMDL is provided.

Standard 5: Land Uses With Higher Potential Pollutant Loads (LUHPPLs)

- The NPDES Multi-Sector General Permit covers the land use and the Stormwater Pollution Prevention Plan (SWPPP) has been included with the Stormwater Report.
- The NPDES Multi-Sector General Permit covers the land use and the SWPPP will be submitted **prior to** the discharge of stormwater to the post-construction stormwater BMPs.
- The NPDES Multi-Sector General Permit does **not** cover the land use.
- LUHPPLs are located at the site and industry specific source control and pollution prevention measures have been proposed to reduce or eliminate the exposure of LUHPPLs to rain, snow, snow melt and runoff, and been included in the long term Pollution Prevention Plan.
- All exposure has been eliminated.
- All exposure has **not** been eliminated and all BMPs selected are on MassDEP LUHPPL list.
- The LUHPPL has the potential to generate runoff with moderate to higher concentrations of oil and grease (e.g. all parking lots with >1000 vehicle trips per day) and the treatment train includes an oil grit separator, a filtering bioretention area, a sand filter or equivalent.

Standard 6: Critical Areas

- The discharge is near or to a critical area and the treatment train includes only BMPs that MassDEP has approved for stormwater discharges to or near that particular class of critical area.
- Critical areas and BMPs are identified in the Stormwater Report.



Checklist for Stormwater Report

Checklist (continued)

Standard 7: Redevelopments and Other Projects Subject to the Standards only to the maximum extent practicable

- The project is subject to the Stormwater Management Standards only to the maximum Extent Practicable as a:
 - Limited Project
 - Small Residential Projects: 5-9 single family houses or 5-9 units in a multi-family development provided there is no discharge that may potentially affect a critical area.
 - Small Residential Projects: 2-4 single family houses or 2-4 units in a multi-family development with a discharge to a critical area
 - Marina and/or boatyard provided the hull painting, service and maintenance areas are protected from exposure to rain, snow, snow melt and runoff
 - Bike Path and/or Foot Path
- Redevelopment Project
- Redevelopment portion of mix of new and redevelopment.
- Certain standards are not fully met (Standard No. 1, 8, 9, and 10 must always be fully met) and an explanation of why these standards are not met is contained in the Stormwater Report.
- The project involves redevelopment and a description of all measures that have been taken to improve existing conditions is provided in the Stormwater Report. The redevelopment checklist found in Volume 2 Chapter 3 of the Massachusetts Stormwater Handbook may be used to document that the proposed stormwater management system (a) complies with Standards 2, 3 and the pretreatment and structural BMP requirements of Standards 4-6 to the maximum extent practicable and (b) improves existing conditions.

Standard 8: Construction Period Pollution Prevention and Erosion and Sedimentation Control

A Construction Period Pollution Prevention and Erosion and Sedimentation Control Plan must include the following information:

- Narrative;
 - Construction Period Operation and Maintenance Plan;
 - Names of Persons or Entity Responsible for Plan Compliance;
 - Construction Period Pollution Prevention Measures;
 - Erosion and Sedimentation Control Plan Drawings;
 - Detail drawings and specifications for erosion control BMPs, including sizing calculations;
 - Vegetation Planning;
 - Site Development Plan;
 - Construction Sequencing Plan;
 - Sequencing of Erosion and Sedimentation Controls;
 - Operation and Maintenance of Erosion and Sedimentation Controls;
 - Inspection Schedule;
 - Maintenance Schedule;
 - Inspection and Maintenance Log Form.
- A Construction Period Pollution Prevention and Erosion and Sedimentation Control Plan containing the information set forth above has been included in the Stormwater Report.



Checklist for Stormwater Report

Checklist (continued)

Standard 8: Construction Period Pollution Prevention and Erosion and Sedimentation Control (continued)

- The project is highly complex and information is included in the Stormwater Report that explains why it is not possible to submit the Construction Period Pollution Prevention and Erosion and Sedimentation Control Plan with the application. A Construction Period Pollution Prevention and Erosion and Sedimentation Control has **not** been included in the Stormwater Report but will be submitted **before** land disturbance begins.
- The project is **not** covered by a NPDES Construction General Permit.
- The project is covered by a NPDES Construction General Permit and a copy of the SWPPP is in the Stormwater Report.
- The project is covered by a NPDES Construction General Permit but no SWPPP been submitted. The SWPPP will be submitted BEFORE land disturbance begins.

Standard 9: Operation and Maintenance Plan

- The Post Construction Operation and Maintenance Plan is included in the Stormwater Report and includes the following information:
 - Name of the stormwater management system owners;
 - Party responsible for operation and maintenance;
 - Schedule for implementation of routine and non-routine maintenance tasks;
 - Plan showing the location of all stormwater BMPs maintenance access areas;
 - Description and delineation of public safety features;
 - Estimated operation and maintenance budget; and
 - Operation and Maintenance Log Form.
- The responsible party is **not** the owner of the parcel where the BMP is located and the Stormwater Report includes the following submissions:
 - A copy of the legal instrument (deed, homeowner's association, utility trust or other legal entity) that establishes the terms of and legal responsibility for the operation and maintenance of the project site stormwater BMPs;
 - A plan and easement deed that allows site access for the legal entity to operate and maintain BMP functions.

Standard 10: Prohibition of Illicit Discharges

- The Long-Term Pollution Prevention Plan includes measures to prevent illicit discharges;
- An Illicit Discharge Compliance Statement is attached;
- NO Illicit Discharge Compliance Statement is attached but will be submitted **prior to** the discharge of any stormwater to post-construction BMPs.



***APPENDIX D – CONSTRUCTION PERIOD POLLUTION
PREVENTION MEMO***





MEMORANDUM

To: Boston Conservation Commission,
Cc:
From: Danielle Spicer, P.E.; Green International Affiliates, Inc. (Green)
Date: March 7, 2018
Project: P&G Gillette Security Gates (Green No. 18003)
Subject: Construction Period Pollution Prevention

CONSTRUCTION PERIOD POLLUTION PREVENTION

1.0 GOOD HOUSEKEEPING BMPS

The following good housekeeping practices will be followed onsite during the construction project:

- An effort will be made to store only enough product required to do the job
- All materials stored onsite will be stored in a neat, orderly manner in their appropriate containers and, if possible under a roof or other enclosure
- Products will be kept in their original containers with the original manufacturer's label
- Substances will not be mixed with one another unless recommended by the manufacturer
- Whenever possible, all of a product will be used up before disposing of the container
- Manufacturer's recommendations for proper use and disposal will be followed
- The site superintendent will inspect daily to ensure proper use and disposal of materials
- The contractor will be required in the Contract documents to control dust.

2.0 MATERIAL HANDLING & WASTE MANAGEMENT

Hazardous Products:

These practices will be used to reduce the risks associated with hazardous materials. Material Safety Data Sheets (MSDSs) for each substance with hazardous properties that is used on the job site will be obtained and used for the proper management of potential wastes that may result from these products. An MSDS will be posted in the immediate area where such product is stored and/or used and another copy of each MSDS will be maintained in the SWPPP file at the job site construction trailer office. Each employee who must handle a substance with hazardous properties will be instructed on the use of MSDS sheets and the specific information in the applicable MSDS for the product they are using, particularly regarding spill control techniques.

- Products will be kept in original containers unless they are not re-sealable

- Original labels and material safety data will be retained; they contain important product information
- If surplus product must be disposed of, manufacturer's or local and State recommended methods for proper disposal will be followed

Hazardous Waste

All hazardous waste material will be disposed of by the Contractor in the manner specified by local, state, and/or federal regulations and by the manufacturer of such products. Site personnel will be instructed in these practices by the job site superintendent, who will also be responsible for seeing that these practices are followed.

Solid and Construction Wastes

All waste materials will be collected and stored in accordance with state and federal law in an appropriately covered container and/or securely lidded metal dumpster.

All trash and construction debris from the site will be deposited in the dumpster. No construction waste materials will be buried on site. All personnel will be instructed regarding the correct procedures for waste disposal.

All waste dumpsters and roll-off containers will be located in an area where the likelihood of the containers contributing to storm water discharges is negligible. If required, additional BMPs must be implemented, such as sandbags around the base, to prevent wastes from contributing to storm water discharges.

Sanitary Wastes

All sanitary waste will be collected from the portable units as required to maintain proper operation and sanitary conditions of these units. All maintenance work on portable sanitation units shall be performed by a licensed portable facility provider in complete compliance with local and state regulations.

All sanitary waste units will be located in an area where the likelihood of the unit contributing to storm water discharges is negligible. If required, additional BMPs must be implemented, such as sandbags around the base, to prevent wastes from contributing to storm water discharges.

3.0 WASHOUT AREAS

Wheel Wash Stations & Concrete Washouts

Wheel Wash Stations will not be allowed. Trucks will not be allowed to washout or discharge surplus concrete or drum wash water on the site.

4.0 VEHICLE AND EQUIPMENT FUELING

Equipment will not be re-fueled within any wetland resource areas. Only minor equipment/vehicle fueling and maintenance on the work site is allowed outside of wetland resource areas and major vehicle/equipment fueling and maintenance activities are prohibited on the work site. All equipment fluids generated from maintenance activities will be disposed of into designated drums stored on spill pallets. Absorbent, spill-cleanup materials and spill kits will be available at materials storage construction containers. Drip pans will be placed under all equipment receiving maintenance and vehicles and equipment parked overnight.

5.0 SPILL PREVENTION AND CONTROL PLAN

The Contractor will train all personnel in the proper handling and cleanup of spilled materials. No spilled hazardous materials or hazardous wastes will be allowed to come in contact with storm water discharges. If such contact occurs, the storm water discharge will be contained on site until appropriate measures in compliance with state and federal regulations are taken to dispose of such contaminated storm water. It shall be the responsibility of the job site superintendent to properly train all personnel in spill prevention and clean up procedures.

In order to minimize the potential for a spill of hazardous materials to come into contact with storm water, the following steps will be implemented:

1. All materials with hazardous properties (such as pesticides, petroleum products, fertilizers, detergents, construction chemicals, acids, paints, paint solvents, cleaning solvents, additives for soil stabilization, concrete curing compounds and additives, etc.) will be stored in a secure location, with their lids on, preferably under cover, when not in use.
2. During construction, liquid petroleum products and other hazardous materials with the potential to contaminate groundwater may not be stored or handled in areas of the site draining to an infiltration area. An "infiltration area" is any area of the site that by design or as a result of soils, topography and other relevant factors accumulates runoff that infiltrates into the soil. Dikes, berms, sumps, and other forms of secondary containment that prevent discharge to groundwater may be used to isolate portions of the site for the purposes of storage and handling of these materials
3. The minimum practical quantity of all such materials will be kept on the job site.
4. A spill control and containment kit (containing, for example, absorbent materials, acid neutralizing powder, brooms, dust pans, mops, rags, gloves, goggles, plastic and metal trash containers, etc.) will be provided at the storage site.
5. Manufacturers recommended methods for spill cleanup will be clearly posted and site personnel will be trained regarding these procedures and the location of the information and cleanup supplies.

In the event of a spill, the following procedures should be followed:

1. All spills will be cleaned up immediately after discovery.
2. The spill area will be kept well ventilated and personnel will wear appropriate protective clothing to prevent injury from contact with the hazardous substances.
3. The project manager and the Engineer of Record will be notified immediately.
4. Spills of toxic or hazardous materials will be reported to the appropriate federal, state, and/or local government agency, regardless of the size of the spill.
5. Spills of reportable quantities will be reported to the Boston Fire Department (dial 911), and the Massachusetts Dept. of Environmental Protection's Emergency Response Program (888) 304-1133 within two (2) hours of initial discovery of the spill.

6. Spills large enough to be discharged from the site will also be reported to the EPA National Response Center at 1-800-424-8802 and the Boston Conservation Commission at 617-635-3850.
7. Hazardous Material Safety Data Sheets, a materials inventory, and emergency contact information will be maintained at the Project Office.

The job site superintendent will be the spill prevention and response coordinator. He will designate the individuals who will receive spill prevention and response training. These individuals will each become responsible for a particular phase of prevention and response. The names of these personnel will be posted in the material storage area and in the office trailer onsite.

6.0 ALLOWABLE NON-STORMWATER DISCHARGE MANAGEMENT

Certain types of discharges are allowed under the NPDES General Permit for Construction Activity, and it is the intent of this SWPPP to allow such discharges. These types of discharges will be allowed under the conditions that no pollutants will be allowed to come into contact with the water prior to or after its discharge. The control measures that have been outlined previously in this report will be strictly followed to ensure that no contamination of these non-stormwater discharges takes place. The following non-stormwater discharges that may occur from the job site include:

- Discharges from fire-fighting activities
- Fire Hydrant flushings
- Waters used to wash vehicles where detergents are not used
- Water used to control dust in accordance with off-site vehicle tracking
- Potable water including uncontaminated water line flushings
- Routine external building wash down that does not use detergents
- Pavement wash waters where spills or leaks of toxic or hazardous materials have not occurred (unless all spilled material has been removed) and where detergents are not used
- Uncontaminated air conditioner compressor condensate
- Uncontaminated ground water or spring water
- Foundation or footing drains where flows are not contaminated with process materials such as solvents
- Uncontaminated excavation dewatering
- Landscape Irrigation

Please feel free to contact our office should you require additional information or have any questions.

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APPENDIX E – NOI PLANS (UNDER SEPARATE COVER)

