

75 State Street, Suite 701 Boston, Massachusetts 02109 tel: 617 452-6000

October 6, 2021

Boston Conservation Commission 1 City Hall Square, Room 709 Boston, Massachusetts 02201

Subject:

Response to Comments on the Notice of Intent, DEP File No. 006-1821

Millennium Park Design Improvements

Applicant: Boston Parks and Recreation Department

Dear Ms. Oetheimer:

On behalf of the City of Boston (the City), CDM Smith Inc. (CDM Smith) is submitting responses to your comments on the Notice of Intent (NOI) for the Millennium Park Design Improvements. Your comments are provided in italics followed by our responses.

**Comment #1:** The Applicant name on the WPA 3 Form should read Ryan Woods, not Christopher Cook.

Response: See enclosed revised WPA 3 form page 1. We also revised and enclosed page 4 of the WPA form.

Comment #2: The Boston NOI form was not provided.

Response: See enclosed Boston NOI Form.

**Comment #3:** In addition to the narrative provided, we need the Stormwater Checklist. This must be signed and stamped by the engineer responsible for this project.

Response: The original and 1 copy of the Stormwater Checklist signed and stamped by Mary Mancini, P.E. are enclosed.

The site is being inspected and maintained in accordance with MassDEP post closure use requirements. We included the last inspection report submitted to MassDEP back in December 2020. We have also included copies of the MassDEP approvals for Post Closure Use and Conditional Plan Approval. These are approvals from MassDEP certifying that the site meets MassDEP guidelines to be constructed. Review of the existing stormwater management system was included under this approval. No changes to the existing stormwater management system is proposed under the NOI.

Comment #4: The plans provided need to be signed and stamped as well.



Response: 2 sets of signed and stamped plans are enclosed.

**Comment #5:** The alternatives analysis for the Riverfront Area is not sufficient. It should include a more extensive analysis of alternatives other than the proposed project and the no build alternative.

Response: Proposed work within the Riverfront Area consists of maintenance of the existing perimeter walking pathways. No new structures are proposed within the Riverfront Area. CDM Smith reviewed the following alternatives for the perimeter pathway repairs/maintenance. Keep in mind that all proposed maintenance work is within the impervious landfill cap.

<u>No Action Alternative:</u> This alternative would leave the degraded pavement within the perimeter walking pathways in their existing condition. This alternative does not meet the project purpose and was therefore eliminated from further consideration.

Adding 2 inches of topcoat overlay with limited tree root removal (Preferred Alternative): Under this alternative the walking pathways would receive 2 inches of a topcoat overlay with no disturbance to the existing pavement or existing dense graded base stone except for limited areas along the north park perimeter walking pathway. In these limited areas existing tree root systems have caused heaving in the existing pavement. In these areas, the existing pavement will need to be removed, and tree roots cut and removed by excavating 6 inches down prior to new pavement being installed. The proposed excavation would disturb the dense graded base stone other than to remove the tree roots. The areas where tree root removal is required are located at the edge of the existing landfill cap and care will need to be taken so there is less potential to damage or disturb the landfill cap from the proposed shallow excavations. A certified arborist will review these locations with the selected Contractor, Boston Parks representatives and CDM Smith prior to any pavement or root removal.

<u>Full Removal and Replacement</u>: Under this alternative, both the pavement and the dense graded base stone would be removed and replaced. This alternative would result in significant temporary disturbance to the Riverfront Area from heavy equipment access and temporary stockpiling of pavement and stone subgrade. It would also result in potential erosion and subsequent sediment accumulation in the Riverfront Area due to the excavation and exposure of underlying landfill drainage sand layers. This alternative was not selected due to the potential of disturbing the existing impervious landfill cap liner, drainage sand layers, and potential erosion and sedimentation to the adjacent Riverfront Area.

**Comment #6:** The 100ft Buffer Zone is regulated under the local Ordinance. The text from the Ordinance regarding the Buffer Zone should be cited in the project narrative and the narrative should



describe what mitigation measures will be in place to protect the interests associated with that resource area.

Response: "In reviewing activities within the Buffer Zone, the Commission shall presume the buffer zone is important to the protection of other resource areas because activities undertaken in close proximity have a reasonable probability of adverse impact, either immediately, as a consequence of construction, or over time, as a consequence of daily operation or existence of the activities. These adverse impacts from construction and use can include, without limitation, erosion, siltation, loss of groundwater recharge, poor water quality, loss of wildlife habitat, degradation of wetland plant habitat, alteration of hydrology, and proliferation of invasive plants. The Commission may establish, in its regulations, design specifications, performance standards, and other measures and safeguards, including setbacks, and other work limits for protection of such lands, including without limitation strips of continuous, undisturbed vegetative cover, unless the Commission determines, based on adequate evidence, that the buffer zone or part of it may be altered without harm to the values protected by the Ordinance".

The proposed work does not include any new construction as work is limited to maintenance of the perimeter walking pathway by adding 2 inches of top course overlay and limited pathway root removal. Additional work in the buffer zone consists of maintenance of the southern parking lot which will be repaved. Compost logs will be placed at the limits of work along the perimeter path where root removal is required to prevent sediment from entering the buffer zone and downgradient BVW. In these areas the existing pavement will need to be removed, and tree roots cut and removed by excavating max. 16 inches down prior to new pavement being installed. Compost logs will also be placed along the limit of work of southern parking lot which will receive milling of existing pavement and overlay with new pavement, and limited spot repairs.

Japanese knotweed treatment areas within the 100-ft buffer zone will be seeded with a landfill seed mixture upon completion of the second treatment in spring of 2022.

**Comment #7:** Similarly, the text from the local Ordinance regarding the Waterfront Area should be cited in the project narrative as well.

Response: The Buffer Zone is presumed important to the protection of the resource areas because activities undertaken in close proximity to resource areas have a reasonable probability of adverse impact upon the wetland or other resource, either immediately, as a consequence of construction, or over time, as a consequence of daily operation or existence of the activities. These adverse impacts from construction and use can include, without limitation, erosion, siltation, loss of groundwater



recharge, degraded water quality, loss of wildlife habitat, degradation of wetland plant habitat, alteration of hydrology, soil contamination, and proliferation of invasive plants. The Commission therefore may require that any person filing an application (hereinafter, the Applicant) restore or maintain a strip of continuous, undisturbed or restored vegetative cover or waterfront public access throughout the Waterfront Area, unless the Commission determines, based on adequate evidence, that the area or part of it may be altered without harm to the values of the resource areas protected by the Ordinance. Such disturbed areas must be minimized to the greatest extent possible."

The project site is a capped and closed landfill and the Waterfront Area on site consists of seeded landfill slope. Please refer to response under Comment #6 above.

**Comment #8:** The discussion on climate change and resiliency in the project narrative was not sufficient. Please include a more detailed discussion on the consideration of the effect that changes in storm intensity and frequency, the urban heat island effect, and other consequences of climate change may have on the resource areas and proposed activities.

Response: The entire site is a closed and capped landfill site (regulated by MassDEP) with an impervious liner designed to prevent contamination of the resource areas by landfill materials beneath the cap. The goal of the original project was to move stormwater off the cap. Infiltration is not possible in the form of rain gardens, additional stormwater basins or other GI techniques. The proposed project consists of maintenance and repair with no new construction and no new impervious area proposed. Since the park is built on a capped landfill, there is limited opportunities to enhance the climate resiliency of the site however BPRD is proposing new tree and shrub plantings (see Sheet C-6: Playground Planting) as part of the new playground (which is outside of the Boston Conservation Commission's jurisdiction) which will help the heat island effect by providing evapotranspiration.

**Comment #9:** More detail on the means and methods of work is also required in the project narrative. Specifically, the Commission will likely want to see more detail about the aerial spraying of herbicides that is being proposed and how the impacts to the resources areas from that spraying will be mitigated.

**Response:** As stated in the NOI, proposed work also includes the permanent removal of several patches of Japanese knotweed (*Polygonum japonicum*) within the 100-ft buffer zone and waterfront Area using the herbicide TZone plus methylated seed oil for surface penetration (see Materials Safety Data Sheet and knotweed removal plan in Attachment C on the NOI). Barrett Tree has been contracted by the BPRD to perform the targeted herbicide application once this fall and then in the



Spring of 2022 when the knotweed is in bloom. The herbicide will be applied using handheld or backpack sprayers. No aerial spraying is proposed. Treatment areas will be seeded with a wetland seed mixture or a landfill seed mixture upon completion of the second treatment in spring of 2022.

The limited root removal along the perimeter walking pathways will use a two-step process described below. Note that all tree root removal will be done under the supervision of a Certified Arborist.

Step 1: Mark the limit of excavation for tree root removal with wood stakes. Depth of excavation will be 10 inches for pavement removal and 6 inches within the dense graded sub stone base. Root removal would only occur within the staked area.

Step 2: Roots will be removed using a root pruner, Air Spade, hydro excavation, and/or hand excavation.

Tree roots will be covered with damp burlap until excavation is backfilled and roots are covered with soil to avoid exposed tree roots to dry out. Damaged tree roots shall be flush cut back to uninjured tissue. No jagged cuts will be permitted.

Comment #10: Based on the 2021 maps, the project location is within NHESP Priority Habitat.

Response: There will be no alteration of Estimated nor Priority Habitats from the proposed paving program as all work is located outside of mapped protected habitats. However, the knotweed treatment program is partially located within the mapped polygon. A 30-day streamlined WPA/MESA review will be requested with the Massachusetts Natural Heritage & Endangered Species Program (NHESP).

Please contact me at (617) 452-6597 if you have any questions. Thank you in advance for your attention to this matter.

Very truly yours,

Glen Howard Project Manager



CDM Smith Inc.

cc: Ryan Woods, BPRD

### **Enclosures**

- Revised WPA 3 Form, pages 1 and 4
- Local Notice of Intent Form
- Stormwater Checklist
- Project Plans

Revised pages 1 and 4 of WPA 3 Form

### Massachusetts Department of Environmental

**Protection**Bureau of Resource Protection - Wetlands

WPA Form 3 - Notice of Intent

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

Provided by MassDEP: MassDEP File #:

eDEP Transaction #:1289634 City/Town:BOSTON

#### **A.General Information**

1. Project Location:

a. Street Address GARDNER STREET

b. City/Town BOSTON c. Zip Code 02132 d. Latitude 42.28300N e. Longitude 71.18496W f. Map/Plat # 2009010010 g.Parcel/Lot # N/A

2. Applicant:

☐ Individual ☐ Organization

a First Name RYAN b Last Name WOODS

c. Organization BOSTON PARKS AND RECREATION DEPARTMENT d. Mailing Address 1010 MASSACHUSETTS AVENUE, 3RD FLOOR

e. City/Town BOSTON f. State MA g. Zip Code 02118

h. Phone Number i. Fax j. Email

3. Property Owner:

more than one owner

a. First Name CHRISTOPHER b. Last Name COOK

c. Organization BOSTON PARKS AND RECREATION DEPARTMENT d. Mailing Address 1010 MASSACHUSETTS AVENUE, 3RD FLOOR

e. City/Town BOSTON f.State MA g. Zip Code 02118

h. Phone Number i. Fax i.Email

4. Representative:

a. First Name GLEN b. Last Name HOWARD

c. Organization CDM SMITH INC.

d. Mailing Address 75 STATE STREET, SUITE 701

e. City/Town BOSTON f. State MA g. Zip Code 02109

h.Phone Number 617-452-6630 i.Fax 617-345-3901 j.Email HOWARDGD@cdmsmith.com

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

a. Total Fee Paid b. State Fee Paid c. City/Town Fee Paid

6.General Project Description:

REPLACE EXISTING PAVING OR MILLING AND OVERLAYING EXISTING PAVEMENT WITHIN THE LIMITS OF THE EXISTING PAVED ACCESS ROADWAYS, PARKING AREAS, AND RE-SETTING EXISTING GRANITE CURB. ADD 2 INCHES OF TOP COURSE OVERLAY ON WALKING PATHS.

7a.Project Type:

Single Family Home
 Residential Subdivision
 Limited Project Driveway Crossing
 Commercial/Industrial

5. □ Dock/Pier 6. □ Utilities

7. ☐ Coastal Engineering Structure 8. ☐ Agriculture (eg., cranberries, forestry)

9. ☐ Transportation 10. ☑ Other

### **Massachusetts Department of Environmental Protection**

Bureau of Resource Protection - Wetlands

#### **WPA Form 3 - Notice of Intent**

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

Provided by MassDEP: MassDEP File #: eDEP Transaction #:1289634 City/Town:BOSTON

☐ Project Involves Streams Crossings

If the project involves Stream Crossings, please enter the number of new stream crossings/number of replacement stream crossings.

a. number of new stream crossings

b. number of replacement stream crossings

#### C. Other Applicable Standards and Requirements

#### 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 of Endangered Species program (NHESP)?
  - a. 

    X 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

b. Date of map: October 6, 2021

If yes, the project is also subject to Massachusetts Endangered Species Act (MESA) review (321 CMR 10.18)....

- c. Submit Supplemental Information for Endangered Species Review \* (Check boxes as they apply)
  - 1. X Percentage/acreage of property to be altered: Parcel si

Parcel size is 362,420 sf (8.3 acres)

(a) within Wetland Resource Area 1,850 sf

percentage/acreage 0.5% (0.04 acre)

(b) outside Resource Area 6,094 sf

percentage/acreage 1.7% (0.14 acre)

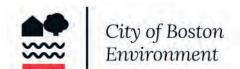
- 2. X Assessor's Map or right-of-way plan of site
- 3. TX Project plans for entire project site, including wetland resource areas and areas outside of wetland jurisdiction, showing existing and proposed conditions, existing and proposed tree/vegetation clearing line, and clearly demarcated limits of work \*\*
- a. IX Project description (including description of impacts outside of wetland resource area & buffer zone)
- b. X Photographs representative of the site
- c. X MESA filing fee (fee information available at: <a href="http://www.mass.gov/eea/agencies/dfg/dfw/natural-heritage/regulatory-review/mass-endangered-species-act-mesa/mesa-fee-schedule.html">http://www.mass.gov/eea/agencies/dfg/dfw/natural-heritage/regulatory-review/mass-endangered-species-act-mesa/mesa-fee-schedule.html</a>)

Make check payable to "Natural Heritage & Endangered Species Fund" and mail to NHESP at above address

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

- e. Project plans showing Priority & Estimated Habitat boundaries
- d. 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, <a href="http://www.mass.gov/eea/agencies/dfg/dfw/laws-regulations/cmr/321-cmr-1000-massachusetts-endangered-species-act.html#10.14">http://www.mass.gov/eea/agencies/dfg/dfw/laws-regulations/cmr/321-cmr-1000-massachusetts-endangered-species-act.html#10.14</a>; 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 Number

Local Notice of Intent Form



### NOTICE OF INTENT APPLICATION FORM

Boston File Number Boston Wetlands Ordinance

City of Boston Code, Ordinances, Chapter 7-1.4

MassDEP File Number

### **GENERAL INFORMATION**

<ol> <li>Project Location</li> </ol>			
Gardner Street		Boston	02132
a. Street Address		b. City/Town	c. Zip Code
42.28300		71.18496	
f. Assessors Map/Plat Numbe	er	g. Parcel /Lot Numb	per
2. Applicant			
Ryan	Woods	Boston Parks	s and Recreation Depart
a. First Name b.	Last Name	c. Company	
1010 Massachusett	s Avenue, 3	rd Floor	
d. Mailing Address			
Boston		MA	02118
e. City/Town		f. State	g. Zip Code
617-635-4505		ryan.woods@b	oston.gov
	i. Fax Number	j. Email address	
I. Mailing Address		c. Company	
i. Maning riddress			
c. City/Town		f. State	g. Zip Code
n. Phone Number i. Fax	Number	j. Email address	
☐ Check if more than	n one owner		
(If there is more than one proper		ch a list of these property owner	rs to this form.)
,			<i>,</i>
4. Representative (if an	_		
First Name How		CDM Smith Inc.	<u>•</u>
i. First Name b. Last		c. Company	
75 State Street, S L.Mailing Address	uite /Ul		
9		3.4.7	02108
Boston		MA f State	02108
e. City/Town		f. State	g. Zip Code
617–452–6630 n. Phone Number i. Fax	Number	howardgd@cdmsmi	th.com
i. Phone Number 1. Fax	nulliber	j. Eman address	

# City of Boston Environment

### NOTICE OF INTENT APPLICATION FORM

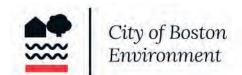
Boston File Number

Boston Wetlands Ordinance

City of Boston Code, Ordinances, Chapter 7-1.4

MassDEP File Number

		•	ortion of the prop on Act M.G.L. c. 1		dictio	nal u	under the Massachusetts Wetlands	
X	Ye	es					□ No	
If yes,	ple	as	e file the WPA For	rm 3 - Notice of In	tent w	rith 1	this form	
6. Ge	neı	ral	Information					
within and reon wal	t e-s ki er	h n n	e limits of tting exist g paths. Pro l patches Ja	the existin ing granite oposed work apanese knot	g pa curb also weed	vec ir	overlaying existing pavement d access roadways, parking areas,  Add 2 inches of top course overlay a not overlay a not overlay and overlay and overlay areas.  Polygonum japonicum) within the TZone plus methylated seed oil	
for su	ırf ojeo	a ct'	ce penetrat. Type Checklist	ion.				
a.			Single Family Hor		b.		Residential Subdivision	
c.		ב :	Limited Project D	riveway Crossing	d.		Commercial/Industrial	
e.		ב : ב	Dock/Pier		f.		Utilities	
g.		ם כ	Coastal Engineeri	ng Structure	h.		Agriculture – cranberries, forestry	
i.		, ב	Transportation		j.	X	Other	
8. Pr	opo	ert	y recorded at the	e Registry of Deeds				
Suffo								
a. Coun		20	09010010		b. l	Page .	Number	
c. Book					d. Certificate # (if registered land)			
9. To	tal	Fe	e Paid					
N/A				N/A			N/A	
a. Total	Fee	Pa	id	b. State Fee Paid			c. City Fee Paid	
B. BU	FF	ER	ZONE & RESOU	RCE AREA IMPAC	ГS			
			Only - Is the pro Wetlands Ordinar	,	the E	Buffe	er Zone of a resource area protected by	
	Ye		vvenanus Oruillal	ice;			X No	
1. Co	ast	al	Resource Areas					



#### NOTICE OF INTENT APPLICATION FORM

Boston Wetlands Ordinance City of Boston Code, Ordinances, Chapter 7-1.4 Boston File Number

MassDEP File Number

Re	esource Area		Resource Area Size	Proposed Alteration*	Proposed <u>Migitation</u>
	Coastal Flood Resilience Zone				
			Square feet	Square feet	Square feet
	25-foot Waterfront Area	_			
			Square feet	Square feet	Square feet
	100-foot Salt Marsh Area	_			
			Square feet	Square feet	Square feet
	Riverfront Area	-	Constitution	<u> </u>	
			Square feet	Square feet	Square feet
2.	Inland Resource Areas				
Re	esource Area		Resource Area Size	Proposed Alteration*	Proposed Migitation
		<u> </u>	ii ca Sizc	Aitciation	Wigitation
	Inland Flood Resilience Zone	-	Square feet	Square feet	Square feet
	Isolated Wetlands		Square jeet	Square jeet	Square Jeet
	isotatea wettanas	-	Square feet	Square feet	Square feet
	Vernal Pool		Squarejeet	Square jeet	Squarejeet
_	Verital 1 doi:	-	Square feet	Square feet	Square feet
	Vernal Pool Habitat (vernal pool + 100 ft. upland area	a)	1 3	1 3	1 3
	(	_	Square feet	Square feet	Square feet
M	25-foot Waterfront Area	App.	180,000	31,557	31,557
	•		Square feet	Square feet	Square feet
M	Riverfront Area		72,200	21,184	21,184
			Square feet	Square feet	Square feet

### C. OTHER APPLICABLE STANDARDS & REQUIREMENTS

1. What other permits, variances, or approvals are required for the proposed activity described herein and what is the status of such permits, variances, or approvals?

MassDEP	SW36	Major	Modification	Per	rmit	- preapp	lica	ation	meeting
held wi	th Ma	ssDEP.	Application	to	be	submitted	in	Oct.	2021

## City of Boston Environment

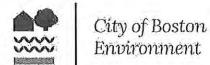
### NOTICE OF INTENT APPLICATION FORM

Boston File Number

Boston Wetlands Ordinance City of Boston Code, Ordinances, Chapter 7-1.4

MassDEP File Number

2.	indica publica habit	ated on shed by at maps	on of the proposed project located in Estimated Habita the most recent Estimated Habitat Map of State-Lis the Natural Heritage and Endangered Species Progras, see the Massachusetts Natural Heritage Atlas or gov.mass.gov/dfwele/dfw/nhesp/nhregmap.htm.	ted Rare Wetland Wildlife ram (NHESP)? To view
	X Y	es	□ No	
If yes	s, the p	roject i	is subject to Massachusetts Endangered Species Act	(MESA) review (321 CMR 10.18).
	A. S	ubmit \$	Supplemental Information for Endangered Species	Review
	X		Percentage/acreage of property to be altered:	
			(1)	0.5% (0.04 acre)
			(1) within wetland Resource Area	percentage/acreage 1.7% (0.14 acre)
			(2) outside Resource Area	percentage/acreage
	X		Assessor's Map or right-of-way plan of site	
3.	Is any	z portic	on of the proposed project within an Area of Critical I	Environmental Concern?
0.	·	-		an an annual concern.
	□ Y		M No	
If y	yes, pro	ovide th	ne name of the ACEC:	
4.		propo lards?	sed project subject to provisions of the Massachuset	ts Stormwater Management
	M	Yes. A	attach a copy of the Stormwater Checklist & Stormwate	er Report as required.
			Applying for a Low Impact Development (LID) site de	sign credits
			A portion of the site constitutes redevelopment	
			Proprietary BMPs are included in the Stormwater M	anagement System
		No. C	heck below & include a narrative as to why the project	is exempt
			Single-family house	
			Emergency road repair	
		<u> </u>	Emergency road repair  Small Residential Subdivision (less than or equal to 4 than or equal to 4 units in a multifamily housing pro Critical Areas	
5.	Is the		Small Residential Subdivision (less than or equal to 4 than or equal to 4 units in a multifamily housing pro	jects) with no discharge to



### NOTICE OF INTENT APPLICATION FORM

Boston Wetlands Ordinance City of Boston Code, Ordinances, Chapter 7-1.4 Boston File Number

MassDEP File Number

#### D. 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 Protection Ordinance.

Ryan Woods, Commissioner	10/7/2021
Signature of Property Owner (if different)	Date
Signature of Representative (if any)	10/7/2021 Date

Stormwater Checklist



### Massachusetts Department of Environmental Protection

Bureau of Resource Protection - Wetlands Program

### **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. 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 8<sup>2</sup>
- 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.

<sup>&</sup>lt;sup>1</sup> 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.

<sup>&</sup>lt;sup>2</sup> 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.



### **Massachusetts Department of Environmental Protection**

Bureau of Resource Protection - Wetlands Program

### **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

MARY LINE CIVIL ND. 41449  30 P.CG/STERE			
mma	Maxy	C'Mancini	10/7/2021
	Signature and Date		

#### Checklist

	<b>ject Type:</b> Is the application for new development, redevelopment, or a mix of new and evelopment?
	New development
$\boxtimes$	Redevelopment
	Mix of New Development and Redevelopment



### **Massachusetts Department of Environmental Protection**Bureau of Resource Protection - Wetlands Program

### **Checklist for Stormwater Report**

### Checklist (continued)

en۱		lesign and LID Techniques were considered during the planning and design of
	No disturbance to any	Wetland Resource Areas
$\boxtimes$	Site Design Practices (	e.g. clustered development, reduced frontage setbacks)
	Reduced Impervious A	rea (Redevelopment Only)
$\boxtimes$	Minimizing disturbance	to existing trees and shrubs
	LID Site Design Credit	Requested:
	Credit 1	
	Credit 2	
	Credit 3	
	Use of "country drainag	ge" versus curb and gutter conveyance and pipe
	Bioretention Cells (inclu	udes Rain Gardens)
	Constructed Stormwate	er Wetlands (includes Gravel Wetlands designs)
	Treebox Filter	
	Water Quality Swale	
	Grass Channel	
	Green Roof	No new impervious areas, only redevelopment of existing impervious areas on to followed landfill cap in accordance with MassDEP Solid Waste Regulations 310 CMP 40 000
$\boxtimes$	Other (describe):	CMR 19.000.
Sta	ındard 1: No New Untre	eated Discharges
$\boxtimes$	No new untreated disch	narges
	Outlets have been desi Commonwealth	igned so there is no erosion or scour to wetlands and waters of the
	Supporting calculations	s specified in Volume 3 of the Massachusetts Stormwater Handbook included.



### **Massachusetts Department of Environmental Protection**Bureau of Resource Protection - Wetlands Program

### **Checklist for Stormwater Report**

DOES NOT APPLY, NO CHANGES TO STORMWATER RUNOFF SITE STORMWATER DESIGNED FOR 25-YEAR STORM PER MassDEP SOLID WASTE REGULATIONS

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 predevelopment 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 <i>not</i> 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 <i>only</i> 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.

<sup>&</sup>lt;sup>1</sup> 80% TSS removal is required prior to discharge to infiltration BMP if Dynamic Field method is used.



### **Massachusetts Department of Environmental Protection**

Bureau of Resource Protection - Wetlands Program

### **Checklist for Stormwater Report**

Cł	necklist (continued)
Sta	andard 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.
Sta	andard 4: Water Quality
The	e 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.

SITE IS MONITORED FOR POLLUTION PER POST CLOSURE MONITORING REQUIREMENTS UNDER MassDEP SOLID WASTE REGULATIONS 310 CMR 19.000.

applicable, the 44% TSS removal pretreatment requirement, are provided.

☐ 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



### **Massachusetts Department of Environmental Protection**Bureau of Resource Protection - Wetlands Program

### **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 Rrevention Plan (SWPPR) has been included with the Stormwater Report.  The NPDES Multi-Sector General Permit covers the land use and the SWPPR will be submitted prior to the discharge of stormwater to the post-construction stormwater BMRs.						
The NPDES Multi-Sector General Permit does not cover the land use.						
LUMPPLs are located at the site and industry specific source control and pollution prevention measures have been proposed to reduce or eliminate the exposure of LUMPPLs to rain, snow, snow melt and runoff, and been included in the long term Pollution Rrevention Plan.						
All exposure has been eliminated.						
All exposure has <b>not</b> 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 hear or to a critical area and the treatment train includes only RMPs 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.						
A dunda alead and plates are the whited in the dionthwater Lebatr.						

DOES NOT APPLY TO STANDARDS 5 & 6, NO CHANGES TO STORMWATER RUNOFF CLOSED LANDFILL SITE PER MassDEP SOLID WASTE REGULATIONS 310 CMR 19.000.



### **Massachusetts Department of Environmental Protection**

Bureau of Resource Protection - Wetlands Program

### **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 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

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

and structural BMP requirements of Standards 4-6 to the maximum extent practicable and (b)

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

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

- 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;

improves existing conditions.

- 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.



### **Massachusetts Department of Environmental Protection**

Bureau of Resource Protection - Wetlands Program

### **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;

#### Standard 10: Prohibition of Illicit Discharges

$\boxtimes$	The Long-Term Pollution Prevention Plan includes measures to prevent illicit discharges;
П	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.

A plan and easement deed that allows site access for the legal entity to operate and maintain

BMP functions.

Post Closure Use Approval Document

# COMMONWEALTH OF MASSACHUSETTS EXECUTIVE OFFICE OF ENVIRONMENTAL AFFAIRS DEPARTMENT OF ENVIRONMENTAL PROTECTION Metropolitan Boston – Northeast Regional Office

to files

ARGEO PAUL CELLUCCI
Governor

JANE SWIFT Lieutenant Governor BOB DURAND Secretary

EDWARD P. KUNCE Acting Commissioner

March 30, 1999

Joseph Casazza, Commissioner Public Works Department City of Boston One City Hall Square Boston, MA 02201 Re BOSTON - Gardner St. Landfill Post Closure Use Approval Transmittal # P22410 FMF No.: 282467

Dear Mr. Casazza:

The Department of Environmental Protection, Northeast Regional Office (the "Department") is in receipt of the application for approval of the post closure use of the Gardner St. Landfill in the West Roxbury section of Boston (BWP SW 36, Post Closure Use - Major, Transmittal Number P22410). The Department is also in receipt of an engineering report and final engineering plans submitted on the City of Boston's (the "City") behalf by Camp Dresser & McKee, Inc. which was received by this office on February 3, 1999 which are titled:

City of Boston Massachusetts Gardner Street Post Closure Design Report December 1998

and

City of Boston, Massachusetts Gardner Street Landfill Closure and Park Project December, 1998

This project will consist of capping the entire 77 acres of the landfill and developing the entire site as a public recreational facility. The work will commence in the Spring of this year and is anticipated to be completed in November of 2000.

The closure of the landfill is occurring in three separate phases. The Site Preparation portion of the project consisted of waste relocation/site grading, placement and compaction of Central CA/T excavate, installation of 58 landfill gas extraction wells and installation of erosion and stormwater control measures at the site. The Site Preparation phase was approved by the Department in a letter dated July 15,1997. The work was completed in October 1998. The second phase consisted of the delivery and preload stockpiling of 150,000 tons of coarse sand at the landfill site. In addition, ten (10) settlement monitoring platforms were installed prior to placement of the preload sand stockpiles. The third phase, will consist of capping 77 acres of the landfill site and develop the closed site as a public recreational facility.

Gardner St. Landfill Post-Closure Use Approval Page -2-

The landfill cap was approved by the Department on March 3, 1998 and will consist of 8 inches of high organic content topsoil, 12 inches minimum of coarse sand (drainage layer), 40 mil thick HDPE barrier layer, and a gas vent layer. The City is currently requesting a reduction of the 6 inch gas venting layer to 4 inches since the majority of the site had a 5 to 25 foot layer of compacted CA/T material placed above the existing solid waste during the Site Preparation phase of the project and the site will have an active landfill gas control system. On October 29, 1998, the Department conditionally approved the final plans for the flare associated with the active gas collection system

The post closure facilities will consist of open lawn areas for multiple-use sports fields, parking, walking/jogging/bike pathways, nature study areas, children play areas, picnic areas, and scenic overlooks.

The Department has reviewed the design report and final engineering plans relative to the post closure use of the landfill. The Department hereby approves the post closure use of the landfill as described in the design report and final engineering plans (including the 4 inch gas vent layer) subject to the following conditions:

- 1. Construction of the recreational and post closure use areas shall be under the supervision of a Massachusetts registered Professional Engineer.
- 2. The City shall take all appropriate steps to adequately protect the cap during maintenance activities.
- 2. The City shall obtain all appropriate local permits.
- 3. This letter does not constitute approval of the post closure monitoring plan included with the Design report. The Department will respond separately to the City at a later date relative to the post closure monitoring plan.
- 4. The City shall adequately maintain the active gas collection system and flare.
- 5. The Department reserves the right to amend, modify or suspend this approval as necessary pursuant to law or regulation, or is otherwise necessary to protect the public health.

#### NOTICE OF RIGHT TO APPEAL

The City is hereby notified that it may within twenty-one (21) days file a request that this decision be deemed a provisional decision under 310 CMR 19.037(4)(b), by submitting a written statement of the basis on which the City believes it is aggrieved, together with any supporting materials. Upon timely filing of such a request, the decision shall be deemed a provisional decision with an effective date twenty-one (21) days after the Department's receipt of the request. Such a request shall reopen the administrative record, and the Department may rescind, supplement, modify, or reaffirm its decision. Failure by the City to exercise the right provided in this section shall constitute a waiver of the City's right to appeal.

Appeal. Any person aggrieved by the issuance of this decision, except as provided for under 310 CMR 19.037(4)(b), may file an appeal for judicial review of said decision in accordance with the provisions of M.G.L. c. 111, s. 150A, and M.G.L. c. 30A, not later than thirty (30) days following the receipt of the final decision. The standing of a person to file an appeal and the procedures for filing such appeal shall be governed by the provisions of M.G.L. c. 30A. Unless the person requesting an appeal requests and is granted a stay of the terms and conditions of the decision by a court of competent jurisdiction, the decision shall remain effective.

Notice of Action. Any aggrieved person intending to appeal this decision to the Superior Court shall first provide notice to the Department of their intention to commence such action. Said notice of intention shall include the Department file number and shall identify with particularity the issues and reasons why it is believed the decision was not proper. Such notice shall be provided to the Office of General Counsel of the Department and the Regional Director for the regional office which processed the application. The appropriate addresses to which to send such notices are:

Gardner St. Landfill Post-Closure Use Approval Page -3-

General Counsel
Department of Environmental Protection
One Winter Street - 3rd Floor
Boston, MA 02108

Regional Director Department of Environmental Protection 205a Lowell Street Wilmington, MA 01887

No allegation shall be made in any judicial appeal of this decision unless the matter complained of was raised at the appropriate point in the administrative review procedures established in those regulations, provided that a matter may be raised upon a showing that it is material and that it was not reasonably possible with due diligence to have been raised during such procedures or that matter sought to be raised is of critical importance to the environmental impact of the permitted activity.

If you have any questions relative to this approval, please contact Tom Mahin at (978) 661-7660.

Sincerely

Thomas Mahin Section Chief

Municipal Services Section

Edward H. MacDonald Regional Engineer for

Bureau of Waste Prevention

cc. Richard Spieler, CDM, 10 Cambridge Center, Cambridge, MA 02142 Alice Hennessey, Office of the Mayor, City Hall, Boston, MA 02201 Jim Belsky, BWP Permitting, DEP-NERO Don St. Marie, Division of Municipal Services, DEP-Boston City of Boston, Health and Hospitals Bob Martinack, DEP-NERO FACT SHEET

Gardner St. Landfill Post-Closure Use

Page -1-

Applicant:

City Of Boston

Department of Public Works

City Hall

Facility:

Gardner St. Landfill

West Roxbury, MA

Facility Number: 282467 SWM ID - SL0035.004

Application: Post Closure Use - Major (BWP SW 36)

Transmittal Number: P22410

Engineer: Camp Dresser & McKee Inc.

10 Cambridge Center Cambridge, MA 02142

Project Engineer: Richard Spieler

Other Actions relative to this Application:

Approval by DEP of Landfill Grading Plan and Approval to Take Central Artery/Tunnel Excavate - July 15, 1997

Closure Plan Conditional Approval (by DEP) - March 3, 1998

Conditional Approval of Flare (DEP) - October 28, 1998

Submissions relative to this Application:

report

City of Boston Massachusetts Gardner Street Post Closure Design Report December 1998

plans

City of Boston, Massachusetts Gardner Street Landfill Closure and Park Project December, 1998 Gardner St. Landfill Post-Closure Use Page -2-

### Purpose:

The purpose of this application is to implement the post closure recreational use of the Gardner St. Landfill.

This project will consist of capping the entire 77 acres of the landfill and developing the entire site as a public recreational facility. The work will commence in the Spring of this year and is anticipated to be completed in November of 2000.

The closure of the landfill is occurring in three separate The Site Preparation portion of the project consisted of waste relocation/site grading, placement and compaction of Central CA/T excavate, installation of 58 landfill gas extraction wells and installation of erosion and stormwater control measures The Site Preparation phase was approved by the at the site. Department in a letter dated July 15, 1997. The work was completed in October 1998. The second phase consisted of delivery and preload stockpiling of 150,000 tons of coarse sand landfill site. In addition, ten (10) settlement monitoring platforms were installed prior to placement of the preload sand stockpiles. The third phase, will consist of capping 77 acres of the landfill site and develop the closed site as a public recreational facility.

The landfill cap was approved by the Department on March 3, 1998 and will consist of 8 inches of high organic content topsoil, 12 inches minimum of coarse sand (drainage layer), 40 mil thick HDPE barrier layer, and a gas vent layer. The City is currently requesting a reduction of the 6 inch gas venting layer to 4 inches since the majority of the site has a 5 to 25 foot layer of compacted CA/T material placed above the existing solid waste during the Site Preparation phase of the project and the site will have an active landfill gas control system. On October 29, 1998, the Department conditionally approved the final plans for the flare associated with the active gas collection system

The post closure facilities will consist of open lawn areas for multiple-use sports fields, parking, walking/jogging/bike pathways, nature study areas, children play areas, picnic areas, and scenic overlooks.

Pose Closure Use Approval Document



ARGEO PAUL CELLUCCI Governor

# COMMONWEALTH OF MASSACHUSETTS EXECUTIVE OFFICE OF ENVIRONMENTAL AFFAIRS DEPARTMENT OF ENVIRONMENTAL PROTECTION METROPOLITAN BOSTON - NORTHEAST REGIONAL OFFICE

TRUDY COXE
Secretary
DAVID B. STRUHS

MAR 3 1998

Peter Scarpignato City of Boston Department of Public Works City Hall, Room 710 Boston, MA 02201

Re: BOSTON - Solid Waste
Gardner St. LF
Closure Plan
Conditional Plan Approval
Transmittal No.106007

Dear Mr. Scarpignato:

The Metropolitan Boston/Northeast Region of the Department of Environmental Protection, Division of Solid Waste Management (the "Department") has completed its review of your proposed Closure Plan for the Gardner Street Landfill in the West Roxbury section of Boston, MA (application BWPSW25, Corrective Action Design, Transmittal Number 106007). The application includes design plans and technical specifications for the capping of the landfill; prepared by Camp Dresser & McKee Inc., Cambridge, MA, on behalf of the City. The design plans include a plan showing conceptual layout of the post closure use. The plans consist of eight (8) sheets, plus a cover sheet, titled:

City of Boston, Massachusetts Gardner Street Landfill Landfill Closure October 1997 Revised February 1998

The technical specifications are included in a report titled:

City of Boston, Massachusetts Gardner Street Landfill Closure Design Report October 1997

The design includes capping the landfill with a flexible membrane liner (FML) type cap and the installation of an active gas collection system. The completion of the project will require the installation of an enclosed flare. A design for the flare was not included as part of this application.

Subsequent to the closure the City intends to construct an active recreational park on the landfill. However detailed designs for this post-closure use have not been included as part of this application.

The Department has determined that, subject to the City obtaining necessary federal and local permits, the proposed closure design complies with the requirements established at 310 CMR 19.000. The Department, therefore, hereby approves the closure plans, described above, subject to the following conditions:

- Construction of the closure shall be under the supervision of a Massachusetts Registered Professional Engineer who is knowledgeable in solid waste landfill closure activities.
- This approval shall not constitute an approval for a 2. flare, nor for any post-closure use. Prior to installation of any flare, the City shall submit to the Department an appropriate application for an air quality control permit for the flare pursuant to 310 CMR 7.00. Prior to the construction of any recreational areas and/or their appurtenances, the City shall submit to the Department an application for post-closure use of the Such application for post-closure use shall provide design details necessary for modification of the closure design to complete the recreational facility as well as to upgrade the storm water control system to its final configuration. The City shall not allow the facility to be used by the public until the post-closure application and the flare have been approved by the Department and the flare has been installed and is in operation.
- 3. The capping/closure of the landfill shall be completed in accordance with the schedule in the "Amendment to Consent Order Issued July 6, 1996" signed by the City and the Department.

- 4. The sealing "boot" at the buried gas valves (see detail "Buried Gas Valve", sheet 7, Miscellaneous Details III) shall be extended as close to the top of the valve stem as practical. The top of the "boot" shall be sealed to the valve stem with a cured-in-place sealer, filling all gaps, appropriate for submerged use. The length of the valve stem shall be such as to allow the "boot" to extend at least 6 inches above the FML.
- 5. By no later than March 1, 1999, the City shall submit a post-closure monitoring and maintenance program for the facility which includes the establishment of permanent points for the monitoring of ground water and surface water quality at the site.
- 6. No revisions, modification, deletions or other amendments shall be made to the approved plans without the prior written approval of the Department.
  - 7. The Department reserves the right to amend, modify, suspend or revoke this approval as necessary pursuant to law or regulation, or as is otherwise necessary to protect the public health, safety and the environment, and/or to complete the closure of the landfill, including implementation of any improvements determined necessary pursuant to a Comprehensive Site Assessment.
  - 8. No landscaping, except as proposed in the May 1997 plans as herein approved, shall be constructed or otherwise implemented, unless approved, in writing, in advance, by the Department.
  - 9. In the event the City decides not to proceed to implement the post-closure use of the project, the City shall submit plans to upgrade the storm water outfalls to a permanent design by no later than six months prior to completion of capping of the landfill.
  - 10. No construction shall occur in any areas of the project subject to the jurisdiction of the Boston Conservation Commission or the U.S. Army Corps of Engineers, or in any area which may adversely impact upon such area(s), without a valid Order of Conditions or permit, as applicable. All construction shall comply with all other federal, state and/or local laws and regulations as may be applicable. Any modifications to the closure plans required pursuant to such Order of Conditions or permits shall be submitted to the Department for approval prior to implementation.

11. Within ninety (90) days of completion of the closure, the City shall cause to be submitted to the Department, a written report, including "as built" plans, prepared by a Massachusetts Registered Professional Engineer independent of the contractor, certifying that the work has been completed in accordance with the approved plans.

#### NOTICE OF RIGHT TO APPEAL

The City of Boston (the "City") is hereby notified that it may within twenty-one (21) days file a request that this decision be deemed a provisional decision under 310 CMR 19.037(4)(b), by submitting a written statement of the basis on which the City believes it is aggrieved, together with any supporting materials. Upon timely filing of such a request, the decision shall be deemed a provisional decision with an effective date twenty-one (21) days after the Department's receipt of the request. Such a request shall reopen the administrative record, and the Department may rescind, supplement, modify, or reaffirm its decision. Failure by the City to exercise the right provided in this section shall constitute a waiver of the City's right to appeal.

Appeal. Any person aggrieved by the issuance of this decision, except as provided for under 310 CMR 19.037(4)(b), may file an appeal for judicial review of said decision in accordance with the provisions of M.G.L. c. 111, s. 150A, and M.G.L. c. 30A, not later than thirty (30) days following the receipt of the final decision. The standing of a person to file an appeal and the procedures for filing such appeal shall be governed by the provisions of M.G.L. c. 30A. Unless the person requesting an appeal requests and is granted a stay of the terms and conditions of the decision by a court of competent jurisdiction, the decision shall remain effective.

Notice of Action. Any aggrieved person intending to appeal this decision to the Superior Court shall first provide notice to the Department of their intention to commence such action. Said notice of intention shall include the Department file number and shall identify with particularity the issues and reasons why it is believed the decision was not proper. Such notice shall be provided to the Office of General Counsel of the Department and the Regional Director for the regional office which processed the application. The appropriate addresses to which to send such notices are:

General Counsel
Department of Environmental Protection
One Winter Street - 3rd Floor
Boston, MA 02108

Regional Director
Department of Environmental Protection
10 Commerce Way
Woburn, MA 01801

No allegation shall be made in any judicial appeal of this decision unless the matter complained of was raised at the appropriate point in the administrative review procedures established in those regulations, provided that a matter may be raised upon a showing that it is material and that it was not reasonably possible with due diligence to have been raised during such procedures or that matter sought to be raised is of critical importance to the environmental impact of the permitted activity.

If you have any questions regarding this matter, please contact Thomas Mahin at (617) 932-7660.

Sincerely,

Thomas D. Mahin Section Chief

Municipal Services Section

Sincerely,

Edward H. MacDonald

Regional Engineer for Bureau of Waste Prevention

EHM/TDM/DCA/dca

attachment: Fact Sheet

cc: City of Boston, Dept. of Health and Hospitals, Office of Environmental Affairs, 1010 Massachusetts Ave., Boston, MA 02118

Alice Hennessey, Office of the Mayor, City Hall, Boston, MA 02201

Camp Dresser & Mckee Inc., 10 Cambridge Center, Cambridge, MA 02142, attn: Richard Spieler Jim Belsky, BWP-Permitting, DEP-NERO Alan Slater, Division of Municipal Services, DEP Boston Glenn Gilmore, Division of Municipal Services, DEP Boston FACT SHEET File Number: 106007

page 1

City of Boston - Gardner Street Landfill

Landfill Closure

Facility: Gardner Street Sanitary Landfill

Location: Gardner Street

West Roxbury, Boston, MA

Owner/operator:

City of Boston

Address:

Department of Public Works

City Hall, Room 710 Boston, MA 02201

MEPA: none

Current Application:

Type: Corrective Action Design (BWPSW25)

Transmittal Number: 106007

date:

November 25, 1997

received:

December 1, 1997

Engineer of record: Camp Dresser & McKee Inc.

10 Cambridge Center Cambridge, MA 02142 Richard Spieler, P.E.

Related submittals:

plans:

City of Boston
Department of Public Works
Gardner Street Landfill
Site Preparation
July 1997

Submittals as part of this application:

report:

City of Boston, Massachusetts Gardner Street Landfill Closure Design Report October 1997 Fact Sheet Gardner Street Landfill

File Number: 106007

page 2

#### plans:

City of Boston, Massachusetts Gardner Street Landfill Landfill Closure October 1997

#### letter:

CDM to DEP February 20, 1998 re: Response to DEP comments

#### plans:

City of Boston, Massachusetts Gardner Street Landfill Landfill Closure October 1997 Revised February 1998

#### Proposal:

This project is the closure of the Gardner Street Landfill. The closure will be constructed in two (2) phases: Phase I, the eastern half of the landfill, Phase II the western half.

Following completion of the closure of the landfill, the City is proposing to construct a recreational park on the closed landfill. The current plans do not include design details for the park.

The landfill cap will consist of a 40 mil HDPE flexible membrane (FML) overlain by 12-18 inches of sand and 8 inches of high organic loam (8-10% organic content). The City's consultants may propose to reduce the organic content of the loam for irrigated portions of the site as part of the post-closure use plans. As part of post-closure use plan, the City may also increase the depth of cover soil above the impermeable layer to reduce the finished surface grade and/or provide structural base for the post-closure use.

Combustible gas from the landfill will be collected by an active collection system and directed to an enclosed flare for destruction. The City is pursuing a separate application for the flare.

The storm water detention basins were constructed as part of the site preparation previously approved. At that time temporary outfall structures were installed. The storm water outfalls will be up graded to permanent facilities as part of the post-closure use plans for the site.

Most recent inspection report submitted to MassDEP in December 2020

## **REPORT**

# **2020** Annual Post-Closure Landfill Inspection Report

Gardner Street Landfill West Roxbury, Massachusetts

December 2020





Third-Party Inspection Report – 310 CMR 19.018(8) **Operation & Maintenance** 

**Important:** When completing this form on a computer, use only the Tab key to move your cursor – not the Return key.





#### Instructions

Use this form to record and report the results of a Third-Party Operation and Maintenance Inspection conducted pursuant to 310 CMR 19.018. Be sure to obtain the most recent version of this form. All applicable sections of the submitted form must be completed to be accepted by MassDEP.

Pursuant to 310 CMR 19.018(8)(a), the third-party inspector and facility owner/operator must sign this Third-Party Inspection Report form and submit the completed report to the appropriate MassDEP regional office and one copy of each completed report to the board of health of the municipality in which the facility is located.

In the event that this inspection report contains a recommendation for corrective action(s), the owner/operator shall also submit the information required by 310 CMR 19.018(8)(c)2.

Forms and instructions are available online:

http://www.mass.gov/eea/agencies/massdep/recycle/approvals/solid-waste-applications-and-forms.html#8

Note: This form does not identify all of the requirements applicable to each solid waste management facility; other requirements and/or policies may apply to the operation, maintenance and monitoring for each facility.

MassDEP Use Only
Rec'd Date:
FMF #:
RO #:
Reviewer:
Comments:

I. Facility Information			
Facility Type (check one):			
☐ Transfer Station/Handling Facility ☐ C&D Was	ste Processor or C&D Waste Transfer Station	Municipal Waste Combustor	
	to 1 10000001 of Cab Wadto Hariotof Claudiff	_ Mariioipai Waste Combaster	
☐ Active Landfill ☐ Closed Landfill ☐ Other:	pecify		
Facility:	респу		
Gardner Street Landfill			
Facility Name			
Boston	MA	02201	
City/Town	State	ZIP Code	
(617) 635-4505		282467	
Telephone Number	Regulated Object Account Number	FMF Number	
Operator:			
City of Boston - Parks and Recreation			
Operator Name (Doing Business As/Company Name)			
(617) 635-4505	tom.timmons@boston.gov		
Telephone Number	Email Address		
1010 Massachusetts Avenue, Third Floor			
Mailing Address			
Boston	MA	02118	
City/Town	State	ZIP Code	
Permittee:			
City of Boston			
Permittee Name (Entity Identified on Facility Permit)			
1010 Massachusetts Avenue, Third Floor			
Mailing Address			
Boston	MA	02118	
City/Town	State	ZIP Code	
Responsible Official for the Facility:			
Thomas Timmons	tom.timmons@boston.gov		
Responsible Official Name (Individual)	Responsible Official Email Address		
City of Boston	(617) 635-4505		
Responsible Official Company Name	Responsible Official Telephone Num	Responsible Official Telephone Number	



Third-Party Inspection Report – 310 CMR 19.018(8) **Operation & Maintenance** 

II. Third-Party Inspector					
Fred Santoro C	DM Smith				
	ompany Name				
SW48-0000119 8	/25/2022				
	lassDEP Third-	Party Inspect	or Expiration	Date (MM/DE	D/YYYY)
617-452-6635 s	santorofa@cdmsmith.com				
	Email Address				
75 State Street, Suite 701					
Mailing Address					
Boston	1A		02	109	
City/Town S	tate		ZIP	Code	
Construction and Demolition Waste (C&D Waste) Processing Facilit Identify the qualified individual that conducted the observation of incomin containing materials during the inspection [pursuant to 310 CMR 19.018 inspector listed above, then check the box and enter only the Asbestos III Same as above. Provide Asbestos Certification Number ►	g waste loads 6)(f)]. If the e	and collect ntire inspec fication Nun	ion of samp tion was counber.	les of suspenducted by t	he third-party
Asbestos Inspector Name C	ompany Name				
Telephone Number	mail Address				
Mailing Address					
City/Town S	tate		ZIP	Code	
III. Inspection Details					
A EDECUENCY					
A. FREQUENCY Indicate the scheduled inspection frequency for this facility as required by in the Facility Permit/Other Approval:	/ 310 CMR 19	9.018(6)(b),	or a more fr	equent sche	edule set forth
☐ Bi-Monthly ☐ Quarterly ☐ Semi-Annual ☐ Annual ☐ Biennial					
Other (include permit/approval type and date of issuance):		_			
B. DATE, TIME & PERSONNEL					
Inspection Date (MM/DD/YYYY): 12/27/2020					
Inspection Start Time: 9:00 ⊠ AM ☐ PM					
Facility Representatives in Attendance During Inspection: None.					
C. CONDITIONS					
Air Temperature: Approximately 28 degrees F.	Wind Direc	ction (directi	on from whi	ch the wind	is blowing):
Weather: ☐ Clear ☐ Partly Cloudy ☐ Cloudy	1	□NW	□N	☐ NE	
☐ Dry ☐ Rain ☐ Snow					
_ ,		_	Wind	E	
Wind Speed: ☐ Calm ☐ Breeze ☒ Moderate ☐ Strong		⊠ sw	☐ S	☐ SE	



Third-Party Inspection Report – 310 CMR 19.018(8) **Operation & Maintenance** 

#### IV. Pre-Inspection Preparation

#### A. FACILITY-SPECIFIC O&M REQUIREMENTS

During each third-party inspection, the third-party inspector shall examine and evaluate the facility's solid waste activities, equipment, operations, practices, procedures, and records relevant to the type of third-party inspection being conducted in order to determine the facility's compliance with all applicable requirements as set forth in 310 CMR 19.018(6)(a)1.

Therefore, pursuant to 310 CMR 19.018(6)(a)1, prior to conducting a third-party facility operation and maintenance inspection, the third-party inspector shall, without limitation, complete all of the following:

- Review and become familiar with the regulations set forth at 310 CMR 19.000 Massachusetts Solid Waste Regulations.
- Identify, review and become familiar with all solid waste permits, plans, approvals, and orders (or other enforcement documents issued to the facility by the Department), and the solid waste requirements applicable to the operation and maintenance of the facility.

Relevant requirements may include, without limitation, specific practices and procedures for the operation, maintenance and monitoring of the facility, waste acceptance/storage limits, and other requirements related to the facility's solid waste activities. Without limitation, these facility-specific requirements may be contained in the Facility Permit, Authorization to Construct, Authorization to Operate, Operation and Maintenance Plan, Closure/Post-Closure Plans and Approvals, Facility Modification Approvals, Beneficial Use Determinations, Administrative Consent Orders, and other determinations, authorizations or enforcement actions issued by the Department.

I, Frederic A Santoro, have identified, reviewed and understand all of the aforementioned requirements that are applicable to this facility and the following are my observations and recommendations related to the facility-specific requirements.

► FAS
Inspector Initials

#### B. SOLID WASTE PERMITS, PLANS, APPROVALS & ORDERS

List all relevant solid waste permits, plans, approvals, orders or other enforcement actions issued to the facility by the Department that contain specific practices, procedures and other requirements still in effect for the operation, maintenance and monitoring or closure/post-closure of the facility. Where applicable, provide the plan or issue date for each item. For enforcement actions, include the document number, effective date, and status of implementation by the facility.

#### Discussion:

- 1. ISA/CSA Conditional Approval, September 3, 1996 (Transmittal #118619)
- 2. Approval to Take CA/T Excavate, July 15, 1997 (No Transmittal Number)
- 3. Closure Plan Conditional Plan Approval, March 3, 1998 (Transmittal #106007)
- 4. Post-Closure Use Approval, March 30, 1999 (Transmittal #P22410)
- 5. Minor Modification Post-Closure Maintenance and Monitoring Plan, January 20, 2016 (Transmittal #X262050)



Third-Party Inspection Report – 310 CMR 19.018(8) **Operation & Maintenance** 

#### V. Performance Standards

Examine and evaluate the facility's solid waste activities, equipment, operations, practices, procedures and records relevant to the type of solid waste facility.

Using the tables below, identify all areas evaluated by the inspector during the inspection by checking the box in the first column. Describe all deviations noted during the inspection in the third column. Provide recommendations for corrective action to return to compliance with the applicable performance standard in the fourth column.

Facility Type	Performance Standards
Transfer Station/Handling Facility	Complete Section A.
(Including C&D Facility)	If C&D Handling/ Processing Facility, then also complete Section B.
Municipal Waste Combustor	Complete Section A.
Active Landfill	Complete Sections C. and F.
	If active ash landfill, then also complete Section D.
Closed Landfill	Complete Sections E. and F.

#### A. TRANSFER STATION, HANDLING FACILITY, OR MUNICIPAL WASTE COMBUSTOR (INCLUDING C&D FACILITY)

Evaluated	Performance Standard	Deviation(s)	Comments/Observations and Recommended Corrective Action(s)
	19.205(1) Storm Water Controls.		
	19.205(2) Equipment.		
	19.205(3) Weighing Facilities.		
	19.207(1) General.	Discuss in Section VI.	Discuss in Section VI.
	19.207(2) Supervision of Operation.		
	19.207(3) Access to Facilities.		
	19.207(4) Security.		
	19.207(5) Posting of Handling Facility.		
	19.207(6) Unloading of Refuse.		
	19.207(7) Special Wastes.		
	19.207(8) Banned/Restricted Wastes.		
	19.207(9) Hazardous Waste.		
	19.207(10) Household Hazardous Waste and Waste Oil Collections.		
	19.207(11) Bulky Waste.		
	19.207(12) Liquid Wastes.		



Third-Party Inspection Report – 310 CMR 19.018(8) **Operation & Maintenance** 

Evaluated	Performance Standard	Deviation(s)	Comments/Observations and Recommended Corrective Action(s)
	19.207(13) Bird Hazards.		
	19.207(14) Dust Control.		
	19.207(15) Vector Control.		
	19.207(16) Control of Wind-blown Litter.		
	19.207(17) Staffing.		
	19.207(18) Employee Facilities.		
	19.207(19) Accident Prevention/Safety.		
	19.207(20) Fire Protection.		
	19.207(21) Recycling Operations.		
	19.207(22) Records for Operational and Plan Execution.		
	19.207(23) Screening and/or Fencing.		
	19.207(24) Open Burning.		
	19.207(25) Inspections.		
	19.207(26) End-of-Life Mercury-added Products.		
	Products.		

#### B. CONSTRUCTION AND DEMOLITION (C&D) WASTE PROCESSING FACILITY OR C&D WASTE TRANSFER STATION

Evaluated	Performance Standard	Deviation(s)	Comments/Observations and Recommended Corrective Action(s)
	19.206(1) Enclosed Operations.		
	19.206(2) Storage.		
	19.206(3) Contact Water.		
	Suspect Asbestos-Containing Material (ACM) Inspection and Management Protocol.		
	Sample collection of suspect ACM from incoming loads.	Discuss sample results:  ▶ ☐ Attach analytical reports.	



Third-Party Inspection Report – 310 CMR 19.018(8) **Operation & Maintenance** 

### C. ACTIVE LANDFILL

Evaluated	Performance Standard	Deviation(s)	Comments/Observations and Recommended Corrective Action(s)
	19.130(1) General.	Discuss in Section VI.	Discuss in Section VI.
	19.130(2) Operator Supervision.		
	19.130(3) Special Wastes.		
	19.130(4) Banned/Restricted Wastes.		
	19.130(5) Hazardous Waste.		
	19.130(6) Bulky Wastes.		
	19.130(7) Liquid Wastes.		
	19.130(8) Solid Waste Handling.		
	19.130(9) Bird Hazards.		
	19.130(10) Equipment and Shelter.		
	19.130(11) Staffing.		
	19.130(12) Employee Facilities.		
	19.130(13) Accident Prevention/Safety.		
	19.130(14) Spreading and Compacting of Solid Waste.		
	19.130(15) Cover Material.		
	19.130(16) Vector, Dust and Odor Control.		
	19.130(17) Litter Control.		
	19.130(18) Top Slope and Side Slopes.		
	19.130(19) Storm Water Drainage.		
	19.130(20) Erosion Control.		
	19.130(21) Boundary/Elevation Markers.		
	19.130(22) Access Roads.		
	19.130(23) Security.		
	19.130(24) Posting of the Landfill.		



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Evaluated	Performance Standard	Deviation(s)	Comments/Observations and Recommended Corrective Action(s)
	19.130(25) Open Burning.		
	19.130(26) Fire Protection and Control.		
	19.130(27) Convenience and Recycling Drop-off Areas at Landfills.		
	19.130(28) Waste Oil Collections at Landfills.		
	19.130(29) Household Hazardous Waste Collections at Landfills.		
	19.130(30) Leachate Collection, Treatment and Disposal.		
	19.130(31) Phase Completion of the Landfill.		
	19.130(32) Disruption of Landfilled Areas.		
	19.130(33) Construction of Buildings.		
	19.130(34) Records for Operational and Plan Execution.		
	19.130(35) Inspections.		
	19.130(36) Re-circulation of Leachate.		
	19.130(37) End-of-Life Mercury-added Products.		

#### D. ASH LANDFILL

Evaluated	Performance Standard	Deviation(s)	Comments/Observations and Recommended Corrective Action(s)
	19.131(1) General.	Discuss in Section VI.	Discuss in Section VI.
	19.131(2) Fugitive Emissions.		
	19.131(3) Ash Moisture Content.		
	19.131(4) Spreading/Compacting of Ash.		
	19.131(5) Vehicle Washdown / Wheelwash / Other Measures.		



Third-Party Inspection Report – 310 CMR 19.018(8) **Operation & Maintenance** 

#### E. CLOSED LANDFILL

Evaluated	Performance Standard	Deviation(s)	Comments/Observations and Recommended Corrective Action(s)
	19.016 Post-closure Use.	None	Phase I of the Gardner Street Landfill is being utilized as a public park and recreation. Phase II is used as athletic fields for the adjacent West Roxbury Education Complex (WREC). The Phase II closure design incorporated synthetic turf fields (football and baseball), and tennis and basketball courts into the landfill capping system. The WREC is currently closed, future plans for the building are unknown at this time.
	19.142(1) General.	Discuss in Section VI.	Discuss in Section VI.
	19.142(2) Post-closure Period.	None	Phase I of the landfill was capped in 2000 and Phase II was recapped in 2016. The post-closure period will continue to until at least 2046.
$\boxtimes$	19.142(3) Post-closure Period Waiver.	None	No waiver is requested at this time.
	19.142(4) Post-closure Period Extension.	None	No extension of the post-closure period is anticipated at this time.
	19.142(5) Post-closure Requirements.	None	The City is performing post-closure monitoring and maintenance in accordance with approved plans and MassDEP regulations.
	19.142(6) Inspection Requirements.	None	This inspection is performed to meet the third-party inspection requirements of 310 CMR 19.018.
	19.142(7) Additional Measures.	None	The City will implement additional measures as necessary during the post-closure period as the Department deems necessary for the protection of public health or the environment. No additional measure have been required to date.
$\boxtimes$	19.142(8) Termination of the Post-Closure Period.	None	The City is not requesting to terminate the post-closure period requirements at this time.
	19.143(1) Applicability.	None	The landfill is not being utilized for post-closure activities other than



Third-Party Inspection Report – 310 CMR 19.018(8) **Operation & Maintenance** 

Evaluated	Performance Standard	Deviation(s)	Comments/Observations and Recommended Corrective Action(s)
			those permitted through MassDEP.
	19.143(2) Submission of Post-closure Use Plans.	None	The City is not currently considering post-closure uses for the landfill other than those currently permitted through MassDEP.
	19.143(3) Criteria for Approval of Post- closure Use.	None	The City moved forward with plans to improve the playground area on the top of the landfill, asphalt path and roadway repair will also be assessed. The contract was awarded to CDM Smith and is currently in the conceputal design phase. A solid waste (SW) permit for landfill modifications will be submitted as required during the design.
	19.143(4) Post-closure Construction.	None	The City is not currently considering post-closure uses for the landfill other than those currently permitted through MassDEP.



Third-Party Inspection Report – 310 CMR 19.018(8) **Operation & Maintenance** 

#### F. ADDITIONAL LANDFILL REQUIREMENTS

Evaluated	Performance Standard	Comments/Observations and Recommended Corrective Action(s)
$\boxtimes$	19.132 Environmental Monitoring Requirements.	
	Is the monitoring of surface water, ground water, landfill gas and any other media as determined by the Department, including without limitation, soil and sediment, being conducted on the schedule established in the permit or as otherwise required by the Department?	
	Are the analytical results of the environmental monitoring submitted to the Department within 60 days after the date of sample collection or as otherwise specified by the Department?	
	⊠ YES □ NO	
	19.133 Maintenance of Environmental Control and Monitoring Systems.	
	Are the facility operations conducted in a manner which protects all environmental control systems as approved in the Operation and Maintenance plan and monitoring systems as approved in the Operation and Maintenance plan or permit?	
	⊠ YES □ NO	
	Is regular maintenance of all landfill environmental control systems performed as approved in the Operation and Maintenance plan or permit?	
	⊠ YES □ NO	
	Has the Department been notified of the existence and extent of damaged or destroyed environmental control systems, monitoring devices, or surface water sampling location markers in accordance with 310 CMR 19.133(1)(c) and/or 19.133(1)(e)?	
	N/A (if no damage to report) ☐ YES ☐ NO	

Continue to Next Page ▶



Third-Party Inspection Report – 310 CMR 19.018(8) **Operation & Maintenance** 

#### F. ADDITIONAL LANDFILL REQUIREMENTS - Continued

Evaluated	Performance Standard	Comments/Observations and
	19.121(4) Landfill Gas Recovery Operation and Maintenance Requirements.	Recommended Corrective Action(s)
	Is condensate generation kept to a minimum and condensate recirculation, if proposed, performed in accordance with the permit?	
	⊠ YES □ NO	
	Are the sampling and analysis of condensate conducted on the schedule established in the permit or as otherwise required by the Department?	
	⊠ YES □ NO	
	Are the analytical results of condensate monitoring reported to the Department as established in the permit or as otherwise required by the Department?	
	⊠ YES □ NO	
	Is an annual report on the operation of the landfill gas recovery facility submitted to the Department as specified in the permit?	
	⊠ YES □ NO	



Third-Party Inspection Report – 310 CMR 19.018(8) **Operation & Maintenance** 

#### VI. Inspection Observations

#### **FACILITY CONDITION AND OPERATIONS**

Examine and evaluate the facility condition and operations as observed during the inspection, including the following:

- Describe any evidence of the following conditions observed at the time of the inspection:
  - Unpermitted discharges to air, water, land or other natural resources of the Commonwealth; and
  - Dust, odors, litter, and/or other nuisance conditions.

$\boxtimes$	Document and discuss all deviations from any specific requirements for the facility that are not addressed in the previous section
	(Section V. – Performance Standards), including without limitation, the requirements set forth in the facility's operation and
	maintenance plan, orders or other enforcement documents, and other solid waste permits, approvals, and authorizations issued to the facility by MassDEP.

- List the types and estimated quantities of all waste and materials stored at the facility at the time of the inspection.
- Provide a narrative that describes the overall status of the general condition, operation and performance of the facility as observed at the time of the inspection.
- Attach photographs taken during the inspection that depict the general condition and operation of the facility. At a minimum, include photographs, as applicable, of the waste unloading (tipping) area, waste storage areas, recyclable material storage and, for transfer stations, the waste reloading activity.

Discussion: The closed landfill and park was overall in good condition with only minor issues noted. Most of the areas observed that require attention are included in standard annual maintenance. Several areas of erosion were noted and repairs are underway. Desire path on the side slope is a constant battle with pedestrian traffic. It has been monitored and repaired. Irrigation repairs and tree damage casued by beaver activity will be monitored. The root cracking of the pavement is being monitored. The Parks department smoothed the worst of the cracks with cold patch and are planning to repair as part of the redesign of the playground area. Also, It was noted that monitoring well MW-7D was repaired in the spring of this year.

#### **B. RECORD REVIEW**

Examine and evaluate the facility's record-keeping. Without limitation, document the status of the facility's compliance with, and any deviations from, the record-keeping required by 310 MCR 19.000; the facility's operation and maintenance plan; orders or other enforcement documents issued to the facility; and other solid waste permits, approvals, determinations and authorizations issued to the facility by the Department, including the following:
☑ Discuss the evaluation of the Facility's "daily log" such as, daily tonnage records.
List and discuss any special incidents that have occurred since the previous inspection such as exceedances of the facility's permitted waste acceptance limits, nature and outcome of complaints reported to the facility operator (including the identity of the complainant, if known), fires, emergencies, or other disruptions to the routine operation of the facility.
Discussion: The facility records landfill gas flare maintenance as required and reports quarterly to MassDEP.



Third-Party Inspection Report – 310 CMR 19.018(8) **Operation & Maintenance** 

#### VII. Summary and Recommendations

Pursuant to 310 CMR 19.018(6)(a)4., where a third-party inspector observes that the operation or maintenance of the facility deviates from the aforementioned applicable requirements, he or she shall document all such deviations and recommend corrective actions for the facility to take to return to compliance.

#### A. INSPECTION RESULTS

Based on the examinations and evaluations conducted in Sec	ons V. and VI., please summariz	e the inspection results by checking or	ne
of the following determinations:			

$\boxtimes$	No deviations from the applicable performance standards or additional requirements listed at 310 CMR 19.018(6) were identified during this inspection.  If no deviations were identified during the inspection, check this box and proceed to Section VII.B.
	Deviations from the applicable performance standards or additional requirements listed at 310 CMR 19.018(6) were identified during this inspection and are discussed further in this report.  If deviations were identified during the inspection, check this box and ensure that each deviation and the recommended corrective actions are discussed in the applicable section(s) below.

#### B. STATUS OF PREVIOUS RECOMMENDATIONS FOR CORRECTIVE ACTION

If a previous inspection report identified deviations with recommendations for corrective action, please describe the action(s) taken since the last inspection to return the facility to compliance with the applicable requirements.

Discussion: See above.

Minor areas of erosion have continued to be monitored and repaired as necessary.

MW-7D has been repaired.

Beaver activity has continued to be monitored.

Parks Dept is monitoring the area of cracked pavement caused by nearby tree roots and has patched the area. Pathway repair and reconstruction is included in the upcoming playground improvement project and this area will be assessed and repaired to existing conditions.

#### C. RECOMMENDATIONS FOR CORRECTIVE ACTION

Based on the results of this inspection, please list all deviations noted during the inspection and provide recommendations for corrective action to return to compliance with the applicable requirement.

Recommendations:	
-Repair minor areas of erosion.	
-Continue to monitor beaver activity.	
-Repair root cracked and lifted pavement on footpaths.	
-Repair sideslope desire path.	

#### D. ADDITIONAL COMMENTS

Comments:		



Third-Party Inspection Report – 310 CMR 19.018(8) **Operation & Maintenance** 

	Operation & Maintenance		
/III. Addit	tional Information Checklist		
Attach the	following additional information, as applicable, to complete the i	nspection report.*	
Attach Section	photographs taken during the inspection that depict the general n VI.A.	condition and operation of the facili	ty, as required in
☐ For C8	D Waste facilities only, attach the analytical results, as required	in Section V.B.	
*Note: Pur	suant to 310 CMR 19.018(8), MassDEP may request additional	information.	
		Continue to Certification S	tatement on Next Page ▶
	cation – THIRD-PARTY INSPECTOR	2 estr fin	
I attest unde	r the pains and penalty of perjury that:	Signature of Third-Party Inspector	
	ve personally examined and am familiar with the information	Signature or Third-Party Inspector	
	ained in this submittal, including any and all documents ompanying this certification statement;	Frederic A Santoro	
2. Base	ed on my inquiry of those persons responsible for obtaining the	Print Full Name	
	rmation, the information contained in this submittal is, to the best of knowledge, true, accurate and complete;	CDM Smith	
3. I hav	ve been able to conduct the third-party inspection and prepare the	Company Name	
own	I-party inspection report without being influenced by the facility er or operator and, (if I am a municipal employee) without being	4/23/2021	
	enced by my municipal employer, by any coworker or by any ted or appointed official of the municipality; and	Date (MM/DD/YYYY)	
4. lam	aware that there are significant penalties, including, but not limited		
	ossible administrative and civil penalties for submitting false, curate, or incomplete information and possible fines and		
impr	isonment for knowingly submitting false, inaccurate, or incomplete		
	rmation."		
(. Certific	cation – FACILITY OWNER/OPERATOR		
Does the fa	acility maintain a Financial Assurance Mechanism (FAM) pursua	int to 310 CMR 19.051?	☐ YES 🖾 NO
If yes: •	Enter the amount of the current FAM:		\$300,000
•	Enter the date of the last revision of the FAM amount, pursual	nt to 310 CMR 19.051(6):	
	As a reminder, pursuant to 310 CMR 19.051(6), the estimate of the c maintenance must be revised every year, and every second year sha	ost of closure and post-closure Ill be submitted to the Department.	•
certify under	r the penalty of law:	Ant Me	·
	I have personally examined and am familiar with the information	Signature of Responstble Official	
	nitted in this third-party inspection report, including but not limited to tatements above concerning the financial assurance mechanism in	Thomas Timmons	
place	e in accordance with any facility permit and 310 CMR 19.051, and	Print Full Name	
	tachments and that, based on my inquiry of those individuals ediately responsible for obtaining the information, I believe that the	Director, BPRD Design and 0	Construction Division
	mation is true, accurate and complete. I am aware that there are	Title	CONTROL GORDEN DIVIDION

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significant penalties both civil and criminal for submitting false information including possible fines and imprisonment.

2. That, in the event that this inspection report contains a recommendation



Third-Party Inspection Report – 310 CMR 19.018(8) **Operation & Maintenance** 

for corrective action(s), I have completed and attached to this report a Corrective Action Plan and Schedule\*, pursuant to 310 CMR 19.018(8)(c)2."

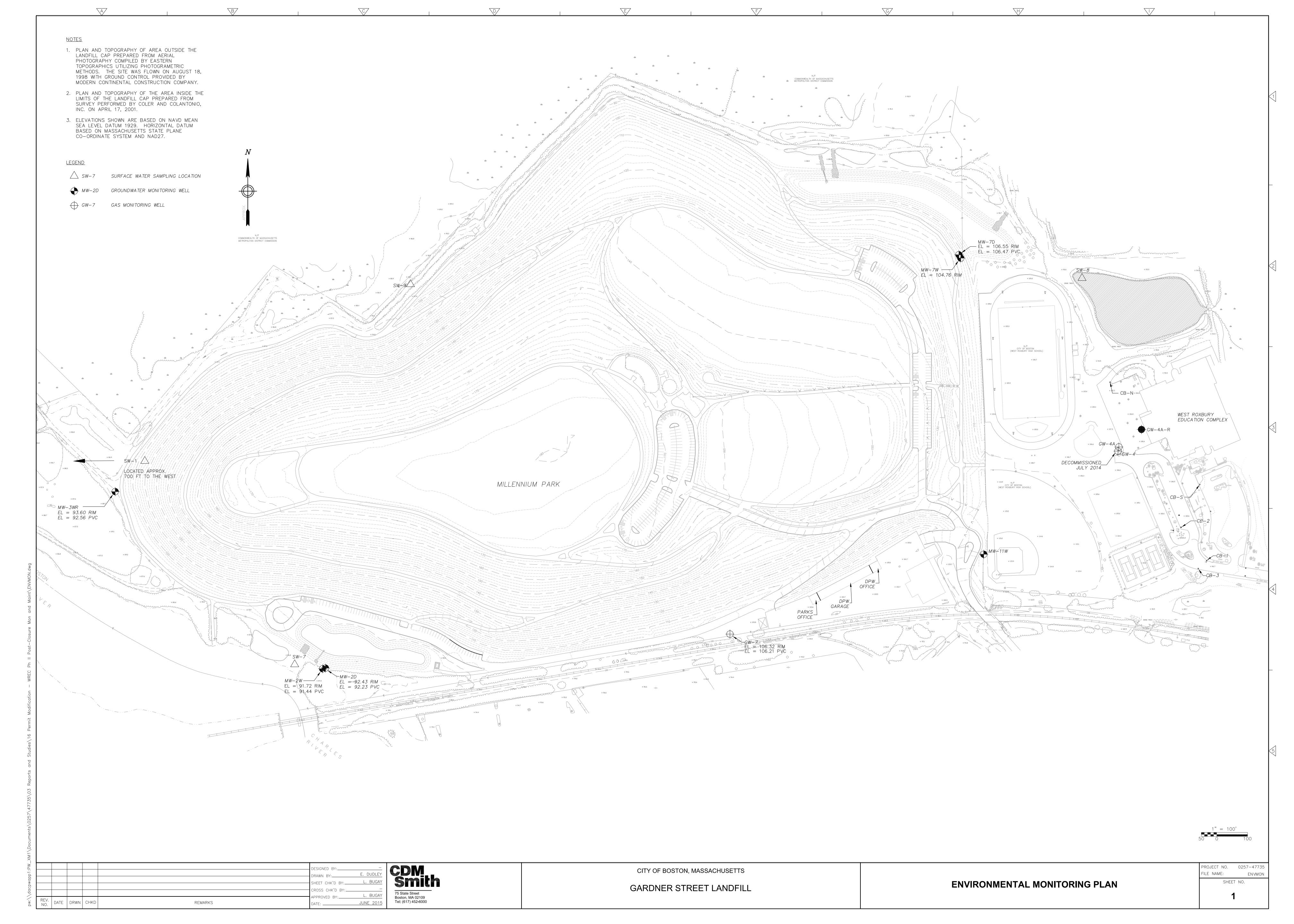
\*Note: The owner or operator may elect to correct deviations identified in the Third-Party Inspection Report in a manner that is different than that recommended by the Third-Party Inspector, so long as the facility is brought back into compliance with applicable requirements. ▶ Pursuant to 310 CMR 19.018(8)(c), a copy of each third-party inspection report shall be maintained at the facility in accordance with the requirements of 310 CMR 19.000. The owner and operator shall make third-party inspection reports available to personnel or authorized representatives of the Department for review at the facility upon request.

## Within 30 days of the inspection date:

- Mail this completed form to the MassDEP Regional Office that serves the municipality in which the facility is located. (Attention: Solid Waste Management)
- Send one copy to the local board of health for the municipality in which the facility is located.

A list of municipalities and MassDEP Regional Offices is available online at:

http://www.mass.gov/eea/agencies/massdep/about/contacts/find-the-massdep-regional-office-for-your-city-or-town.html





<u>Photograph #1</u> Entrance to Millennium Park.



<u>Photograph #2</u> Sign with park hours and contacts.



<u>Photograph #3</u> Street signs entering the park.



<u>Photograph #4</u> Signs for at the fork to upper and lower areas.



<u>Photograph #5</u> Park signs with park rules and site map.



<u>Photograph #6</u>
Path signs for dog leashes and foot traffic only.





<u>Photograph #7</u> Pet waste pick up signs.



<u>Photograph #8</u> Playground at the top of Millennium Park.



<u>Photograph # 9</u> Field A. Looking east.



Photograph #10
Field A. Reconstructed in 2017, remains in great condition.



<u>Photograph #11</u> Field B. Looking east.



Photograph #12
Field C. Looking west.





<u>Photograph #13</u> Southern sideslope.



<u>Photograph #14</u> Northern sideslope.



<u>Photograph #11</u> Western sideslope.



<u>Photograph #12</u> Eastern sideslope.



<u>Photograph #13</u> Drainage swale on northern mid slope.



<u>Photograph #14</u>
Desire Path on upper southwest slope.





<u>Photograph # 15</u> Desire Path on lower southwest slope.



Photograph # 16
Solar condensate pump enclosure on at the foot of the northeastern sieslope.



<u>Photograph #17</u> Fiberglass landfill gas system well vault.



<u>Photograph #16</u>
Manhole cover over landfill system well vault.



<u>Photograph #17</u> Enclosed landfill gas flare system.



<u>Photograph #18</u> Groundwater monitoring well MW-11W.





<u>Photograph #19</u> Groundwater monitoring wells MW-2W and 2D.



Photograph #20 Groundwater monitoring wells MW-7W and 7D.



<u>Photograph #21</u> Groundwater monitoring well MW-3WR.



<u>Photograph #22</u> Landfill gas monitoring well GW-4.



<u>Photograph #23</u> Landfill gas monitoring well GW-7.



<u>Photograph #24</u> Beaver tree cutting.





<u>Photograph#25</u>
Tree roots pushing up the pathway pavement.



Photograph #26 2018 roadway ditch repair still in place.



<u>Photograph #27</u> Irrigation rutting; west side of Field B.



<u>Photograph #27</u>
Area eroded away between field A and B; east side.



Photograph #29
Area eroded between Field A and B eastern side.



Photograph #30
Area worn away at the eastern end of Field B.





<u>Photograph #31</u> WREC athletic fields on eatern side of the Park.





Third-Party Inspections – 310 CMR 19.018(8) Corrective Action Plan & Schedule

**Important:** When completing this form on a computer, use only the Tab key to move your cursor – not the Return key.





#### Instructions

In the event that a third-party inspection report prepared in accordance with 310 CMR 19.018(8) contains a recommendation for corrective action(s) at a Solid Waste Management Facility, the owner or operator shall complete and sign **Section IV**. **Certification** of this form. Pursuant to 310 CMR 19.018(8)(c), the owner or operator shall submit the completed Corrective Action Plan and Schedule form, along with the third-party inspection report with attachments to the appropriate MassDEP Regional Office, and a copy of this form and each completed inspection report with attachments to the board of health of the municipality in which the facility is located. Be sure to obtain the most recent version of this form. All applicable sections of the submitted form must be completed to be accepted by MassDEP. Blank forms and additional instructions on using this form are available online:

http://www.mass.gov/eea/agencies/massdep/recycle/approvals/solid-waste-applications-and-forms.html#8

I. Facility Information					
Identify the facility and responsible o	fficial.				
A. Facility					
Gardner Street Landfill					
Facility Name					
West Roxbury		MA	02132		
City/Town		State	FMF Number		
B. Responsible Official					
Thomas Timmons		tom.timmons@boston.gov			
Responsible Official Name (Individu	Responsible Official Name (Individual)		Responsible Official Email Address		
Director, BPRD Design and 0	Construction Division	617-635-4505			
Responsible Official Company Name		Responsible Official Telephone Number			
II. Third-Party Inspection					
Enter the date of the third-party inspeation plan.	ection and identify the inspect	or that conducted the ins	spection related to this corrective		
12/27/2020	Fred Santoro				
Inspection Date (MM/DD/YYYY)	Third-Party Inspector Name				

Continue to Next Page ▶



Third-Party Inspections – 310 CMR 19.018(8) Corrective Action Plan & Schedule

**Important:** When completing this form on a computer, use only the Tab key to move your cursor – not the Return key.





#### III. Plan & Schedule for Corrective Action

Pursuant to 310 CMR 19.018(8)(c)2., the owner or operator shall provide the following:

- a. A written report documenting the completion of the corrective action(s) [recommended in the report];
- b. Documentation or explanation why corrective action is not needed; or
- c. A plan and schedule for completing the corrective action(s).

Note: The owner or operator may elect to correct deviations identified in the inspection report in a manner that is different than that recommended by the third-party inspector, so long as the facility is brought back into compliance with applicable requirements.

Discuss the status of the corrective actions recommended in the third-party inspection report. For each deviation documented in the inspection report, describe the corrective action(s) that have been taken, or that will be taken, by the owner or operator to return the facility to compliance with the applicable requirements. Provide the schedule for completing each corrective action, or, as applicable, provide the date the corrective action was completed. If the facility owner/operator intends to submit a permit application in order to complete the corrective action(s), please identify the permit type and anticipated submittal schedule. Contact MassDEP (Regional Office) if you are not sure the corrective action(s) will require a filing to MassDEP prior to implementation.

The following corrective action items are recommended to be completed by the end of calendar year 2021:

- 1. Monitor repaired sideslope areas where unplanned pathways (Desire lines) have been created by pedestrians not following designed pathways (footpaths eroding grass and cover material on landfill side slope). Add signage to notify park users to stay off. (Previously repaired and by Parks Dept and is regularly monitored).
- 2. Repair by filling in and reseeding any depression areas in the playing fields. (This is done regularly by Parks Staff).
- 3. Repair all areas eroded away by winter drainage. Area between field A and B. Easten end of Field B.
- 4. Monitor the beaver activity and make sure all trees will not fall into pathways.
- 5. Reparation of areas where root systems are pushing up pavement on footpaths is reccomended.
- 6. Repair areas eroded by the Irrigation system..



Third-Party Inspections – 310 CMR 19.018(8) Corrective Action Plan & Schedule

Important: When completing
this form on a computer, use
only the Tab key to move your
cursor - not the Return key.
4 /







Third-Party Inspections – 310 CMR 19.018(8) Corrective Action Plan & Schedule

**Important:** When completing this form on a computer, use only the Tab key to move your cursor – not the Return key.





#### IV. Certification

#### FACILITY OWNER/OPERATOR

"I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate and complete. I am aware that there are significant penalties both civil and criminal for submitting false information including possible fines and imprisonment."

Signature of Responsible Official

Thomas Timmons

Print Full Name

Director, BPRD Design and Construction Division

Title 4/26/2021

The owner/operator of the facility shall submit this form along with the third-party inspection report to the Department with a copy to the board of health of the municipality in which the facility is located no later than 30 days following the date of the inspection. Pursuant to 310 CMR 19.018(8)(c), a copy of each third-party inspection report shall be maintained at the facility in accordance with the requirements of 310 CMR 19.000. The owner and operator shall make third-party inspection reports available to personnel or authorized representatives of the Department for review at the facility upon request.

## Within 30 days of the inspection date:

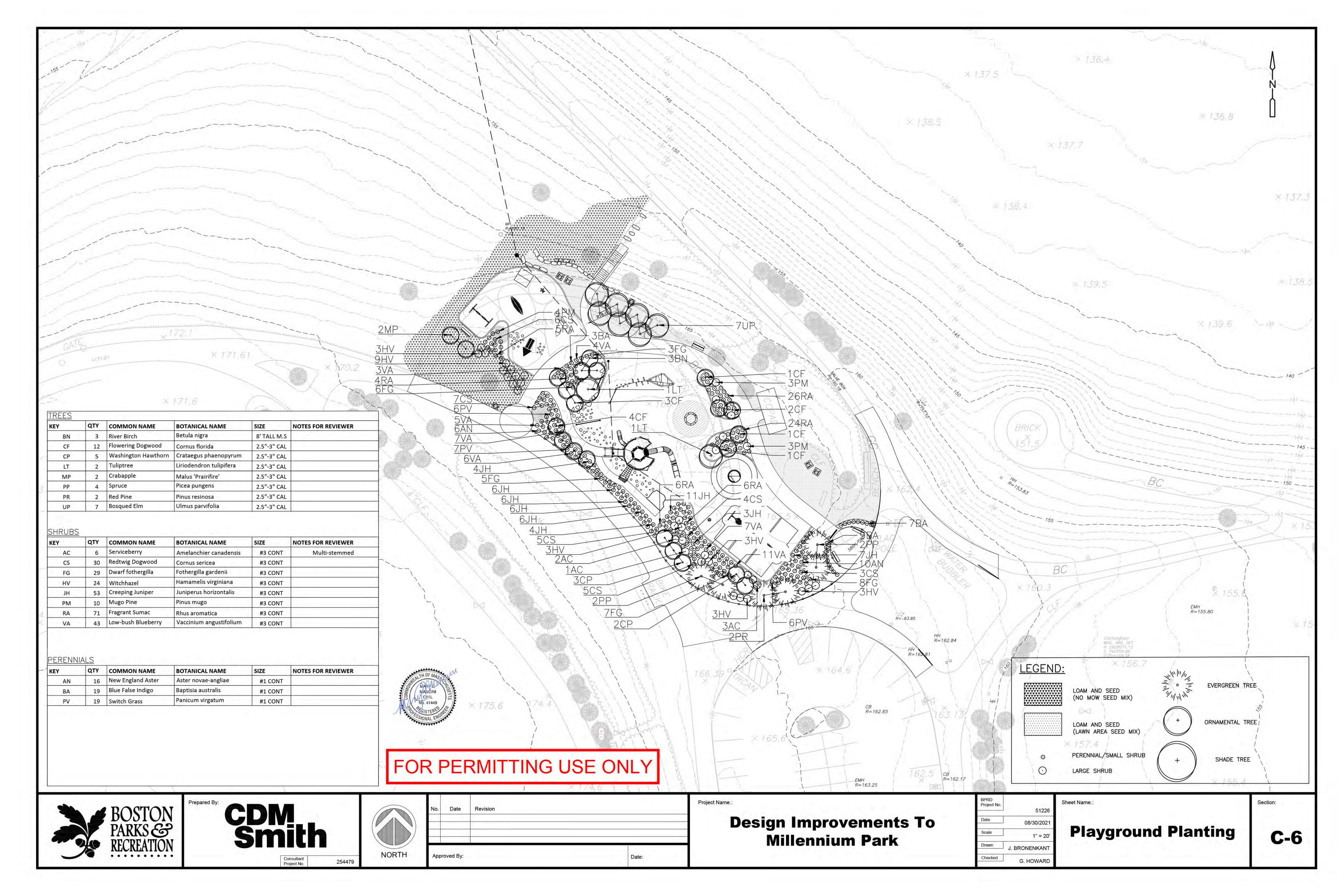
- Mail this completed form to the MassDEP Regional Office that serves the municipality in which the facility is located. (Attention: Solid Waste Management)
- Send one copy to the local board of health for the municipality in which the facility is located.

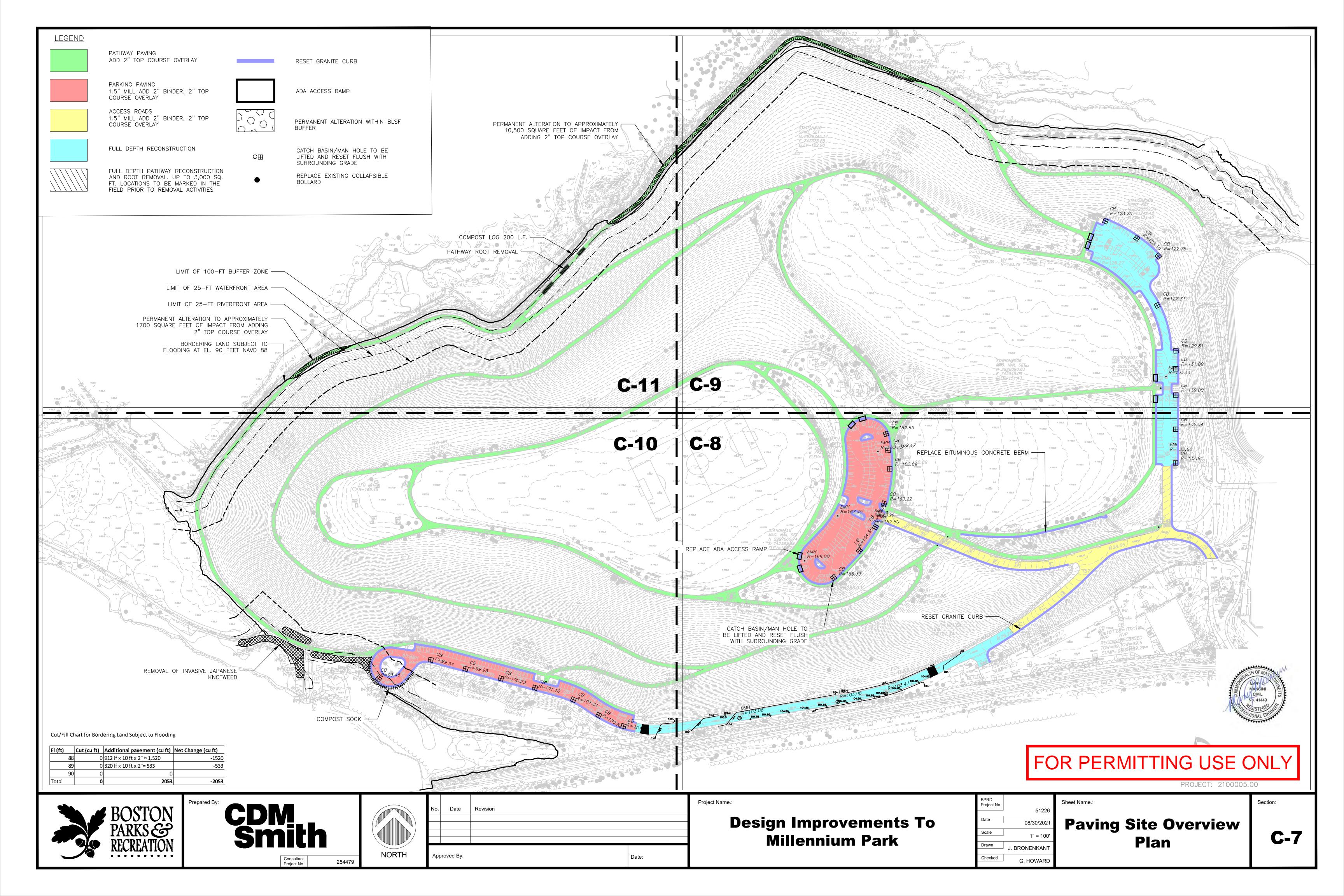
A list of municipalities and MassDEP Regional Offices is available online at: http://www.mass.gov/eea/agencies/massdep/ about/contacts/find-the-massdep-regionaloffice-for-your-city-or-town.html

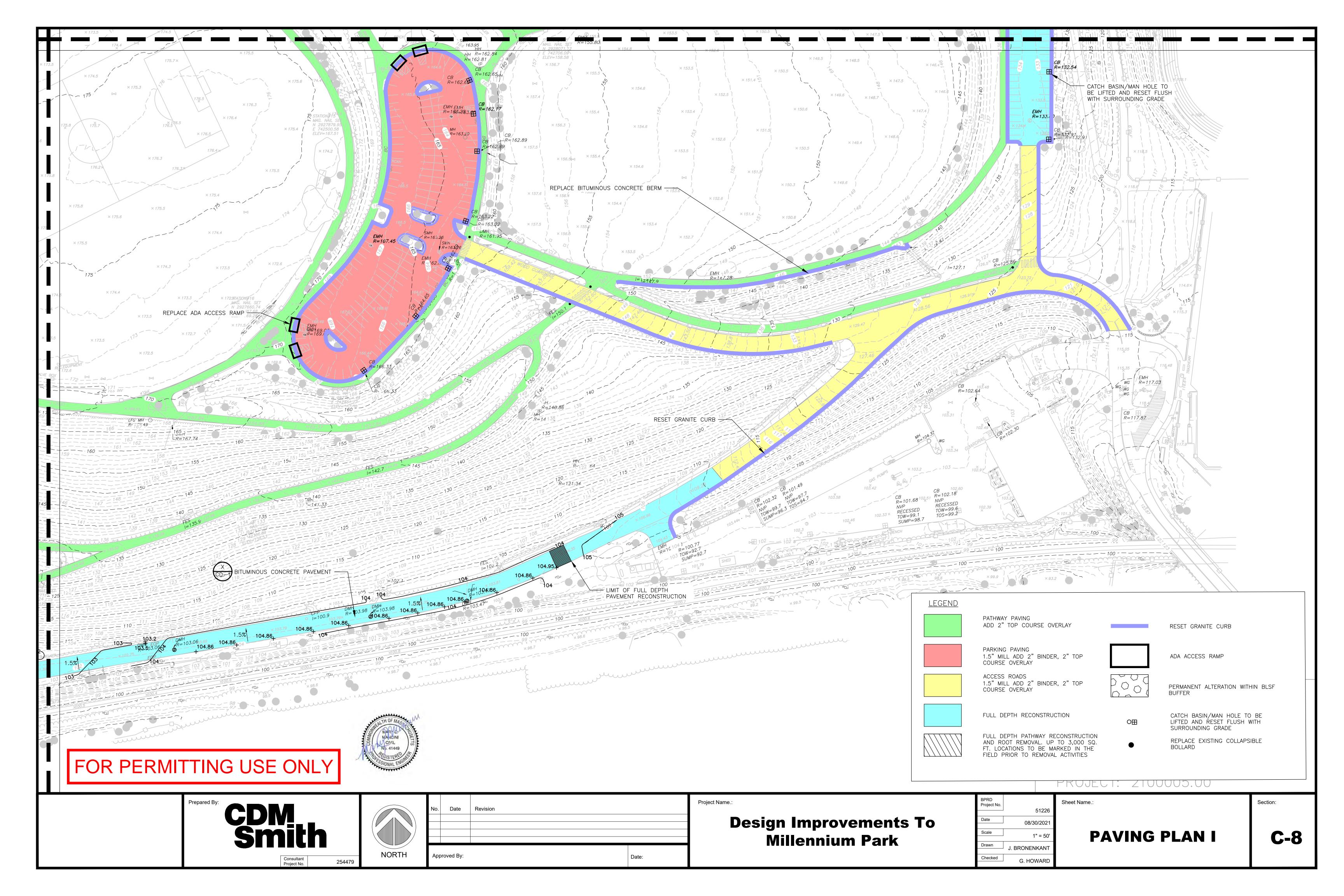


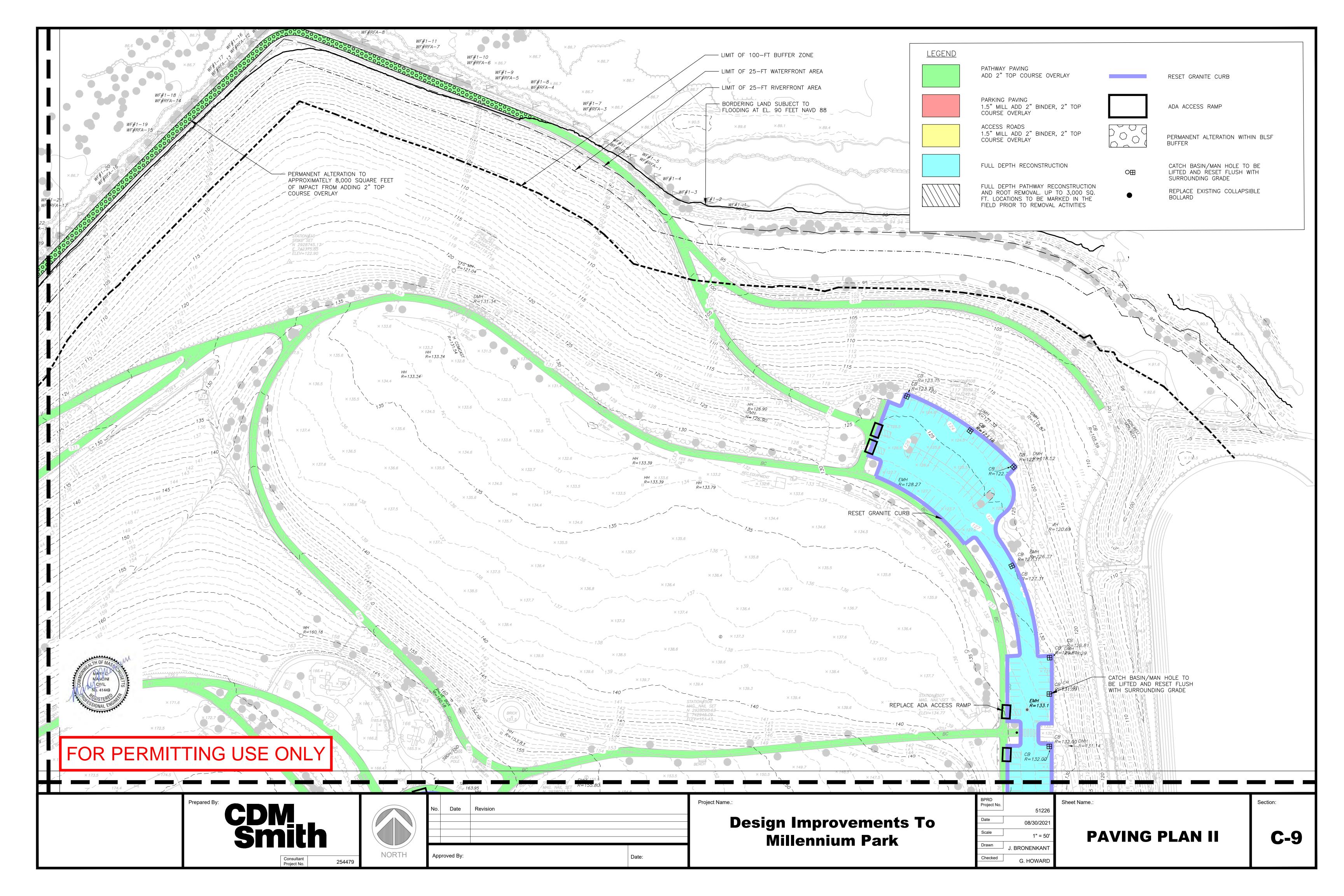


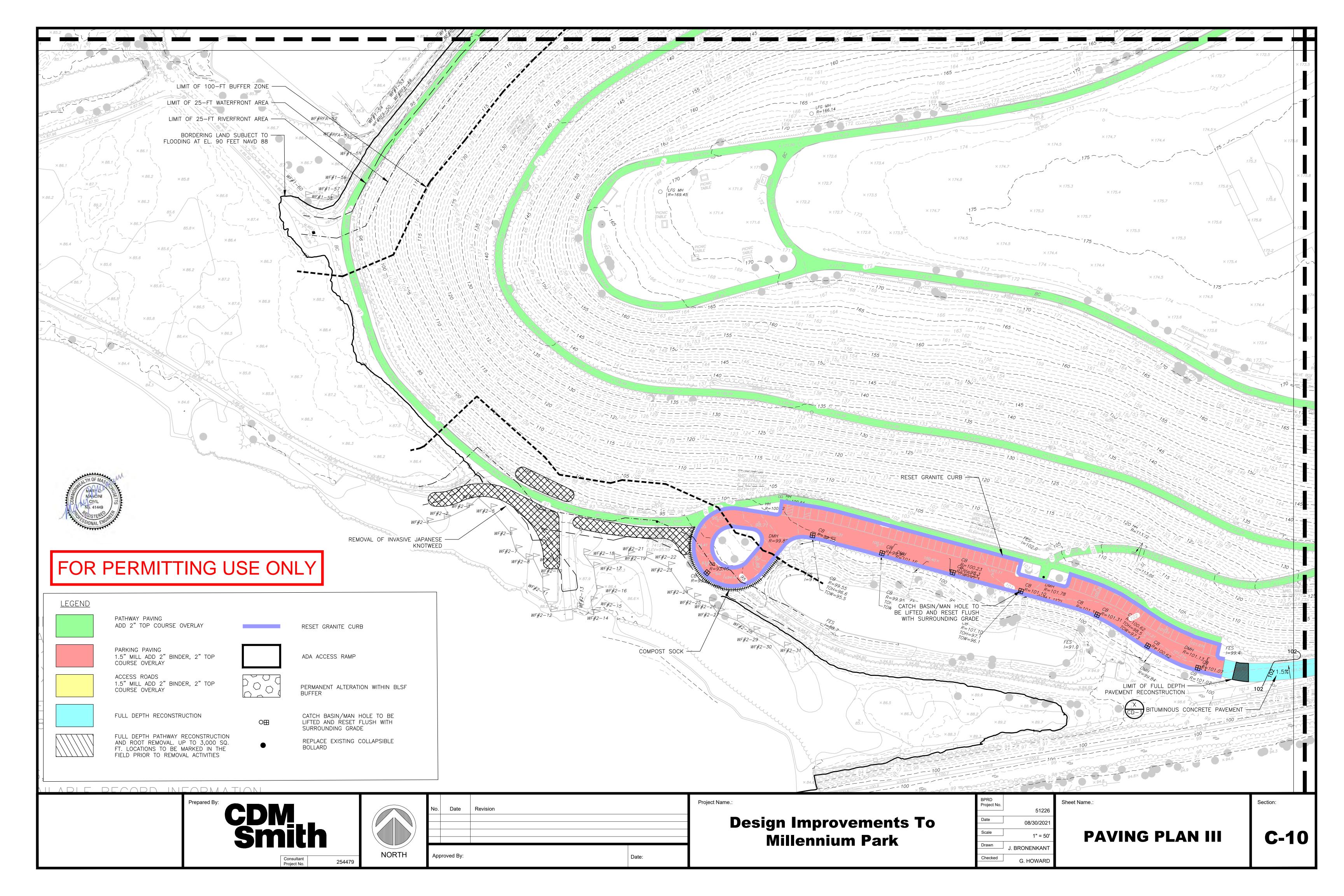
Stamped and Signed Project Plans

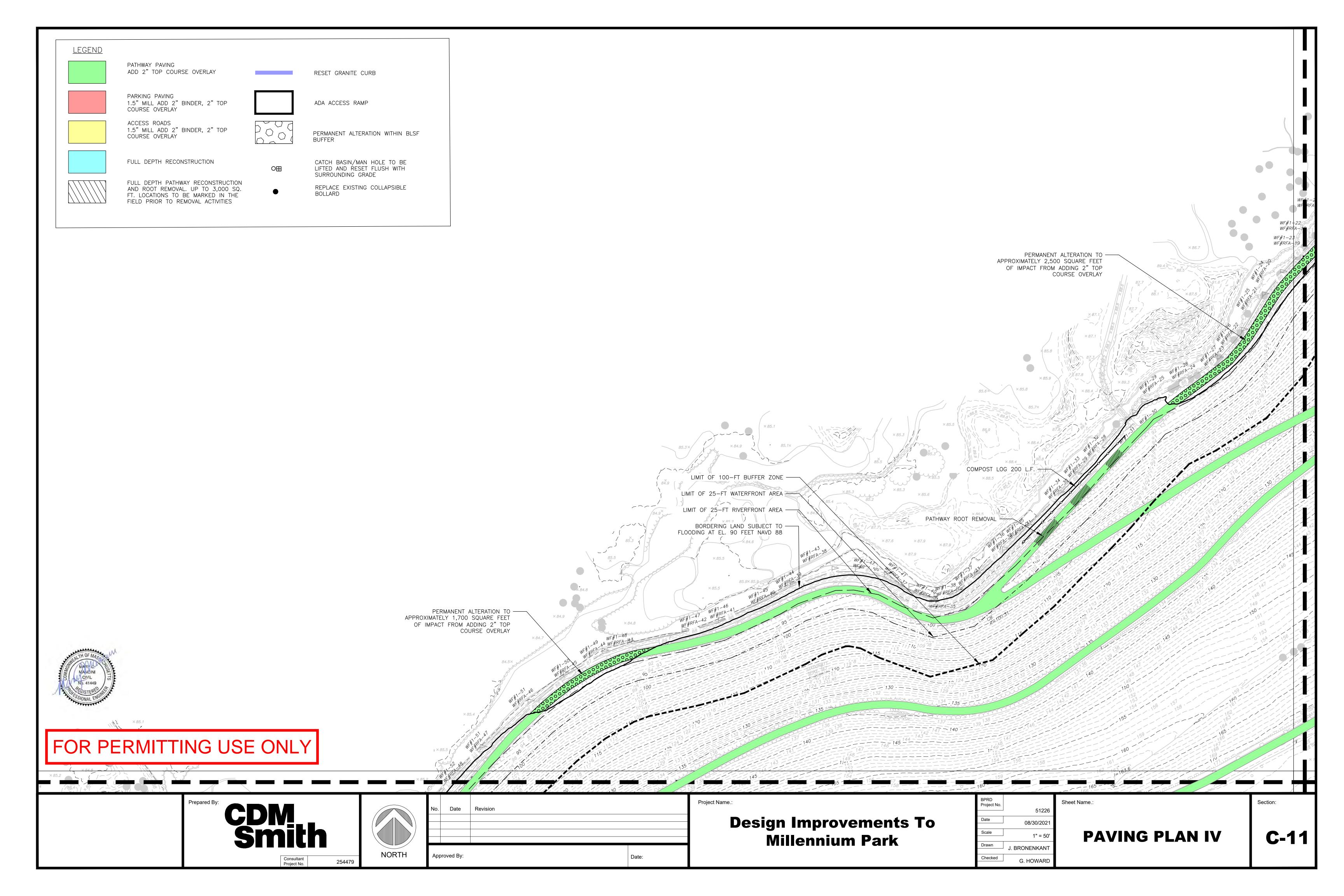












# **NOTICE OF INTENT**

## Millennium Park Design Improvements

City of Boston

Parks and Recreation
Department

September 2021



# **Table of Contents**

## **Notice of Intent Form**

Stormwater Redevelopment Checklis	Stormwater	Redevelo	pment	<b>Checklis</b>
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a		r	۵	c
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Figure 1	Project Location and Estimated Habitats Map
Figure 2	FEMA Floodplain Map
Figure 3	Estimated and Priority Habitat Map

## **Attachment A - Project Narrative**

1.0	Introduction and Proposed Work	A-1
2.0	Existing Conditions	
3.0	Mitigation Measures	A-3
	Compliance with Performance Standards	
5.0	Climate Change Considerations	A-6
6.0	Summary	A-7

## **Attachment B – Abutter Notification Information**

Attachment C - Materials Safety Data Sheet

Attachment D - Project Plans (bound separately)



## Massachusetts Department of Environmental

**Protection** 

Bureau of Resource Protection - Wetlands

**WPA Form 3 - Notice of Intent** 

3. Limited Project Driveway Crossing

7. ☐ Coastal Engineering Structure

5. ☐ Dock/Pier

9. ☐ Transportation

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

Provided by MassDEP: MassDEP File #:

eDEP Transaction #:1289634 City/Town:BOSTON

## **A.General Information**

1. Project Location:					
<ul><li>a. Street Address</li><li>b. City/Town</li><li>d. Latitude</li><li>f. Map/Plat #</li></ul>	GARDNE BOSTON 42.283001 20090100	N	c. Zip Code e. Longitude g.Parcel/Lot #	02132 71.18496W N/A	
2. Applicant:					
☐ Individual ☐ Organization	n				
<ul><li>a. First Name</li><li>c. Organization</li><li>d. Mailing Address</li><li>e. City/Town</li><li>h. Phone Number</li></ul>		S AND RECREA USETTS AVEN	.Last Name TION DEPARTM UE, 3RD FLOOR ЛА		02118
3.Property Owner:					
☐ more than one owner  a. First Name c. Organization d. Mailing Address e. City/Town h. Phone Number	RYAN BOSTON PARKS 1010 MASSACHU BOSTON	AND RECREAT	E, 3RD FLOOR	WOODS ENT g. Zip Code j.Email	02118
4.Representative:					
d. Mailing Address e. City/Town  75 S' BOS	N M SMITH INC. TATE STREET, SUIT STON f. State 452-6630 i.Fax		HOWARD  g. Zip Code j.Email	02109 HOWARDGD@cdmsmitl	1.com
5.Total WPA Fee Paid (Automat	ically inserted from NO	OI Wetland Fee Tr	ansmittal Form):		
a.Total Fee Paid	b.State Fee Paid	c.(	City/Town Fee Paid	d	
6.General Project Description: REPLACE EXISTING PAVING THE EXISTING PAVED ACC ADD 2 INCHES OF TOP COU	ESS ROADWAYS, P.	ARKING AREAS	S, AND RE-SETT		
7a.Project Type:  1. ☐ Single Family Home		2.   ☐ Resident	ial Subdivision		

4. ☐ Commercial/Industrial

8. Agriculture (eg., cranberries, forestry)

6. ☐ Utilities

10. **☑** Other

# Massachusetts Department of Environmental Protection

Bureau of Resource Protection - Wetlands

## **WPA Form 3 - Notice of Intent**

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

Provided by MassDEP: MassDEP File #: eDEP Transaction #:1289634 City/Town:BOSTON

7b.Is any portion of the pro CMR 10.53 (inland)?	posed activity eligible to be tre	ated as a limited project subject to 310 CMI	R 10.24 (coastal) or 310	
<ol> <li>☐ Yes ☑ No</li> <li>Limited Project</li> </ol> If yes, describe which limited project applies to this project:				
8.Property recorded at the F	Registry of Deeds for:			
a.County:	b.Certificate:	c.Book: d.I	Page:	
SUFFOLK				
	ource Area Impacts (ten Area Impacts (temporary & per			
☐ This is a Buffer Zone or Inland Bank, or Coastal Re		t is located only in the Buffer Zone of a Bord	ering Vegetated Wetland,	
2.Inland Resource Areas: (	See 310 CMR 10.54 - 10.58, i	f not applicable, go to Section B.3. Coastal	Resource Areas)	
Resource Area		Size of Proposed Alteration Prop	posed Replacement (if any)	
a. □ Bank				
a.i Daik		1. linear feet	2. linear feet	
b. ☐ Bordering Vegetated V	Wetland			
I 1 1 - W-4 - 1 - 1	: 1 W/-4	1. square feet	2. square feet	
c. ☐ Land under Waterbod	ies and waterways	1. Square feet	2. square feet	
		·		
		3. cubic yards dredged		
d.   ✓ Bordering Land Subjection	ect to Flooding	12200 1. square feet	12200 2. square feet	
		-2053	2. square reet	
		3. cubic feet of flood storage lost	4. cubic feet replaced	
e. ☐ Isolated Land Subject	to Flooding			
		1. square feet		
		2. cubic feet of flood storage lost	3. cubic feet replaced	
f.		Sawmill Brook		
		1. Name of Waterway (if any)		
2. Width of Riverfront A	Area (check one)	<ul> <li></li></ul>		
3. Total area of Riverfro	ont Area on the site of the prop	osed project	72200	
4 D 1 4 D 2	Cd Di C + A		square feet	
4. Proposed Alteration of				
21184	21184	ft a square feet between 100 ft		

# **Massachusetts Department of Environmental Protection**

Bureau of Resource Protection - Wetlands

## **WPA Form 3 - Notice of Intent**

5. Projects Involves Stream Crossings

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

Provided by MassDEP: MassDEP File #: eDEP Transaction #:1289634 City/Town:BOSTON

		and 200 ft.				
5. Has an alternatives analys	sis 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: (Se	e 310 CMR 10.25 - 10.35)					
Resource Area Size of Proposed Alteration Proposed Replacem						
a. ☐ Designated Port Areas	Indicate size under	Land under the ocean b	pelow,			
b. ☐ Land Under the Ocean	1. square feet					
	2. cubic yards dredged					
c. ☐ Barrier Beaches	Indicate size under Coastal B	seaches and/or Coatstal Dunes, bel	ow			
d. ☐ Coastal Beaches	1. square feet	2. cubic yards beach no	ourishment			
e. ☐ Coastal Dunes	1. square feet	2. cubic yards dune nou	ırishment			
f. Coastal Banks	1. linear feet					
g. Rocky Intertidal Shores	1. square feet					
h. ☐ Salt Marshes						
:=	1. square feet	2. sq ft restoration, reh	ab, crea.			
i. ☐ Land Under Salt Ponds	1. square feet					
	2. cubic yards dredged					
j.   Land Containing Shellfish	1. square feet					
k.□ Fish Runs	•	anks, Inland Bank, Land Under therways, above	e Ocean, and/or inland Land			
	cubic yards dredged					
l.□ Land Subject to Coastal Storm Flowage	1. square feet					
4.Restoration/Enhancement						
☐ Restoration/Replacement						
1 2 1 1	of restoring or enhancing a we habove, please entered the ad	tland resource area in addition to t ditional amount here.	he square footage that has been			
a. square feet of BVW	b. :	square feet of Salt Marsh				

# Massachusetts Department of Environmental Protection

Bureau of Resource Protection - Wetlands

#### **WPA Form 3 - Notice of Intent**

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

Provided by MassDEP: MassDEP File #: eDEP Transaction #:1289634 City/Town:BOSTON

☐ Project Involves Streams Crossings

If the project involves Stream Crossings, please enter the number of new stream crossings/number of replacement stream crossings.

a. number of new stream crossings

b. number of replacement stream crossings

## C. Other Applicable Standards and Requirements

#### 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 of Endangered Species program (NHESP)?
  - a. 

    X 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

b. Date of map: October 6, 2021

If yes, the project is also subject to Massachusetts Endangered Species Act (MESA) review (321 CMR 10.18)....

- c. Submit Supplemental Information for Endangered Species Review \* (Check boxes as they apply)
  - 1.IX Percentage/acreage of property to be altered: Parcel size is 362,420 sf (8.3 acres)

\_\_\_\_\_\_,

(a) within Wetland Resource Area 1 , 850 sf

percentage/acreage 0.5% (0.04 acre)

(b) outside Resource Area 6,094 sf

percentage/acreage 1.7% (0.14 acre)

- 2. Assessor's Map or right-of-way plan of site
- 3. X Project plans for entire project site, including wetland resource areas and areas outside of wetland jurisdiction, showing existing and proposed conditions, existing and proposed tree/vegetation clearing line, and clearly demarcated limits of work \*\*
- a. X Project description (including description of impacts outside of wetland resource area & buffer zone)
- b. X Photographs representative of the site
- c. X MESA filing fee (fee information available at: <a href="http://www.mass.gov/eea/agencies/dfg/dfw/natural-heritage/regulatory-review/mass-endangered-species-act-mesa/mesa-fee-schedule.html">http://www.mass.gov/eea/agencies/dfg/dfw/natural-heritage/regulatory-review/mass-endangered-species-act-mesa/mesa-fee-schedule.html</a>)

Make check payable to "Natural Heritage & Endangered Species Fund" 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
- d. 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, <a href="http://www.mass.gov/eea/agencies/dfg/dfw/laws-regulations/cmr/321-cmr-1000-massachusetts-endangered-species-act.html#10.14">http://www.mass.gov/eea/agencies/dfg/dfw/laws-regulations/cmr/321-cmr-1000-massachusetts-endangered-species-act.html#10.14</a>; 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 Number

# **Massachusetts Department of Environmental Protection**

Bureau of Resource Protection - Wetlands

## **WPA Form 3 - Notice of Intent**

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

Provided by MassDEP: MassDEP File #: eDEP Transaction #:1289634 City/Town:BOSTON

h	Date	submitte	d to	NH	ESP
υ.	Daic	Submin	a w	TALL	டலா

3. Separate MESA review completed.

Include copy of NHESP "no Take" determination or valid Conservation & Management Permit with approved plan.

2. For coastal projects only, is any portion of the proposed project located below the mean high waterline or in a fish run? a. ▼ Not applicable - project is in inland resource area only

b. 
☐ Yes ☐ No

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

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

North Shore - Hull to New Hampshire:

Division of Marine Fisheries -Southeast Marine Fisheries Station Attn: Environmental Reviewer 836 S. Rodney French Blvd New Bedford, MA 02744 Division of Marine Fisheries -North Shore Office Attn: Environmental Reviewer 30 Emerson Avenue Gloucester, MA 01930

If yes, it 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.

3. Is any portion of the proposed project within an Area of Critical Environmental Concern (ACEC)?

 If yes, provide name of ACEC (see instructions to WPA Form 3 or DEP Website for ACEC locations). **Note:** electronic filers click on Website.

#### b. ACEC Name

- 4. 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?
- 5. 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
- 6. 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
    - Proprietary BMPs are included in the Stormwater Management System
  - b. ☐ No, Explain why the project is exempt:
    - 1. Single Family Home

<sup>\*</sup> Some projects not in Estimated Habitat may be located in Priority Habitat, and require NHESP review...

# **Massachusetts Department of Environmental Protection**

Bureau of Resource Protection - Wetlands

## **WPA Form 3 - Notice of Intent**

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

Provided by MassDEP: MassDEP File #: eDEP Transaction #:1289634 City/Town:BOSTON

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

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 by regular mail delivery.

- 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
- F [BVW] replication area or other mitigating measure) relative to the boundaries of each affected resource area.
- 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.  $\overline{\mathbf{v}}$

a. Plan Title:

SHEET C-7: PAVING
SITE PLAN
OVERVIEW

D. BRONENKANT/R.
BUTTON

D. BRONENKANT/R.
BUTTON

J. BRONENKANT/R.
J. BRONENKANT/R.
BUTTON

J. BRONENKANT/R.
J. BRONENKANT/R.
Aug 2021

PLAN I BUTTON Aug 2021

SHEET C-9: PAVING J. BRONENKANT/R.
PLAN II BUTTON Aug 2021

SHEET C-10: PAVING J. BRONENKANT/R.

Aug 2021

PLAN III BUTTON Aug 2021

SHEET C-11: PAVING J. BRONENKANT/R.
PLAN IV Aug 2021

- 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.

## " Massachusetts Department of Environmental Protection

Provided by MassDEP: MassDEP File #:

Bureau of Resource Protection - Wetlands WPA Form 3 - Notice of Intent	eDEP Transaction #:1289634 City/Town:BOSTON	
Massachusetts Wetlands Protection Act M.G.L. c. 1	31, §40	
Fees		
tribe housing authority, municipal housing authority, or the Masse		
Applicants must submit the following information (in addition to pages	: 1 and 2 of the NOI Wetland Fee Transmittal Form) to confirm fee payment:	
2. Municipal Check Number	3. Check date	
4. State Check Number	5. Check date	
6. Payer name on check: First Name	7. Payer name on check: Last Name	
reby certify under the penalties of perjury that the foregoing Notice of complete to the best of my knowledge. I understand that the Conservat	Intent and accompanying plans, documents, and supporting data are true ion Commission will place notification of this Notice in a local newspaper	
creby certify under the penalties of perjury that the foregoing Notice of complete to the best of my knowledge. I understand that the Conservative expense of the applicant in accordance with the wetlands regulations, with the certify under penalties of perjury that all abutters were notified of the control of the certify under penalties of Mailing or in writing by hand delivery	ion Commission will place notification of this Notice in a local newspaper 310 CMR 10.05(5)(a).	
complete to the best of my knowledge. I understand that the Conservate he expense of the applicant in accordance with the wetlands regulations, rither certify under penalties of perjury that all abutters were notified of the must be made by Certificate of Mailing or in writing by hand delivery the property line of the project location.  1. Signature of Applicant	ion Commission will place notification of this Notice in a local newspaper 310 CMR 10.05(5)(a).  this application, pursuant to the requirements of M.G.L. c. 131, § 40.	
complete to the best of my knowledge. I understand that the Conservat he expense of the applicant in accordance with the wetlands regulations, or their certify under penalties of perjury that all abutters were notified of the tice must be made by Certificate of Mailing or in writing by hand delivery the property line of the project location.	ion Commission will place notification of this Notice in a local newspaper 310 CMR 10.05(5)(a).  this application, pursuant to the requirements of M.G.L. c. 131, § 40. or certified mail (return receipt requested) to all abutters within 100 feet  \[ \frac{4/21/302}{} \]	

## 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 Section C, Items 1-3, above, refer to that section and the Instructions for additional submittal

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.

## **Project:** Millennium Park Design Improvements

## Redevelopment Checklist

### **Existing Conditions**

 On-site: For all redevelopment projects, proponents should document existing conditions, including a description of extent of impervious surfaces, soil types, existing land uses with higher potential pollutant loads, and current onsite stormwater management practices.

**RESPONSE:** See Attached Project Plans and Notice of Intent for the description and depiction of existing conditions.

• Watershed: Proponents should determine whether the project is located in a watershed or subwatershed, where flooding, low streamflow or poor water quality is an issue.

## The Project

Is the project a redevelopment project?

- Maintenance and improvement of existing roadways
- Development of rehabilitation, expansion or phased project on redeveloped site, or
- Remedial stormwater project

For non-roadway projects, is any portion of the project outside the definition of redevelopment?

**RESPONSE:** Yes, no new impervious area proposed. The project meets the criteria as a redevelopment project under the Massachusetts Stormwater Management Standards.

- Development of previously undeveloped area
- Increase in impervious surface

If a component of the project is not a redevelopment project, the proponent shall use the checklist set forth below to document that at a minimum the proposed stormwater management system fully meets each Standard for that component. The proponent shall also document that the proposed stormwater management system meets the requirements of Standard 7 for the remainder of the project.

## **The Stormwater Management Standards**

The redevelopment checklist reviews compliance with each of the Stormwater Management Standards in order.

## Standard 1: (Untreated discharges)

No new stormwater conveyances (e.g., outfalls) may discharge untreated stormwater directly to or cause erosion in wetlands or waters of the Commonwealth.

Same rule applies for new developments and redevelopments.

Full compliance with Standard 1 is required for new outfalls.

- What BMPs are proposed to ensure that all new discharges associated with the discharge are adequately treated?
- What BMPs are proposed to ensure that no new discharges cause erosion in wetlands or waters of the Commonwealth?
- Will the proposed discharge comply with all applicable requirements of the Massachusetts Clean Waters Act and the regulations promulgated thereunder at 314 CMR 3.00, 314 CMR 4.00 and 314 CMR 5.00?

Existing outfalls shall be brought into compliance with Standard 1 to the maximum extent practicable.

- Are there any existing discharges associated with the redevelopment project for which new treatment could be provided?
- If so, the proponent shall specify the stormwater BMP retrofit measures that have been considered to ensure that the discharges are adequately treated and indicate the reasons for adopting or rejecting those measures. (See Section entitled "Retrofit of Existing BMPs".)
- What BMPs have been considered to prevent erosion from existing stormwater discharges?

**RESPONSE:** No new outfalls proposed.

## Standard 2: (Peak rate control and flood prevention)

Stormwater management systems must be designed so that post-development peak discharge rates do not exceed pre-development peak discharge rates. This Standard may be waived for land subject to coastal storm flowage.

Full compliance for any component that is not a redevelopment

Compliance to the Maximum Extent Practicable:

• Does the redevelopment design meet Standard 2, comparing post-development to predevelopment conditions?

**RESPONSE:** With no new impervious area, the annual recharge from the post-development site should very closely approximate the annual recharge from the predevelopment or existing site conditions.

• If not, the applicant shall document an analysis of alternative approaches for meeting the Standard. (See Menu of Strategies to Reduce Runoff and Peak Flows and/or Increase Recharge Menu included at the end of this chapter.)

Improvement of existing conditions:

- Does the project reduce the volume and/or rate of runoff to less than current estimated conditions? Has the applicant considered all the alternatives for reducing the volume and/or rate of runoff from the site? (See Menu.)
- Is the project located within a watershed subject to damage by flooding during the 2-year or 10-year 24-hour storm event? If so, does the project design provide for attenuation of the 2-year and 10-year 24-hour storm event to less than current estimated conditions? Have measures been implemented to reduce the volume of runoff from the site resulting from the 2 year or 10-year 24-hour storm event? (See Menu.)

- Is the project located adjacent to a water body or watercourse subject to adverse impacts from flooding during the 100-year 24-hour storm event? If so, are portions of the site available to increase flood storage adjacent to existing Bordering Land Subject to Flooding (BLSF)?
- Have measures been implemented to attenuate peak rates of discharge during the 100-year 24-hour storm event to less than the peak rates under current estimated conditions? Have measures been implemented to reduce the volume of runoff from the site resulting from the 100-year 24-hour storm event? (See Menu.)

## **RESPONSE:** Not Applicable

## Standard 3: (Recharge to Ground water)

Loss of annual recharge to ground water shall be eliminated or minimized through the use of infiltration measures, including environmentally sensitive site design, low impact development techniques, 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 the predevelopment 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 Massachusettss Stormwater Handbook.

Full compliance for any component that is not a redevelopment

**RESPONSE:** Yes, no new impervious area proposed.

#### Compliance to the Maximum Extent Practicable:

- Does the redevelopment design meet Standard 3, comparing post-development to predevelopment conditions?
- If not, the applicant shall document an analysis of alternative approaches for meeting the Standard?
- What soil types are present on the site? Is the site is comprised solely of C and D soils and bedrock at the land surface?
- Does the project include sites where recharge is proposed at or adjacent to an area classified as contaminated, sites where contamination has been capped in place, sites that have an Activity and Use Limitation (AUL) that precludes inducing runoff to the groundwater, pursuant to MGL Chapter 21E and the Massachusetts Contingency Plan 310 CMR 40.0000; sites that are the location of a solid waste landfill as defined in 310 CMR 19.000; or sites where groundwater from the recharge location flows directly toward a solid waste landfill or 21E site?<sup>1</sup>
- Is the stormwater runoff from a land use with a higher potential pollutant load?
- Is the discharge to the ground located within the Zone II or Interim Wellhead Protection Area of a public water supply?
- Does the site have an infiltration rate greater than 2.4 inches per hour?

#### Improvements to Existing Conditions:

• Does the project increase the required recharge volume over existing (developed) conditions? If so, can the project be redesigned to reduce the required recharge volume by decreasing impervious surfaces (make building higher, put parking under the building, narrower roads,

<sup>&</sup>lt;sup>1</sup> A mounding analysis is needed if a site falls within this category. See Volume 3.

- sidewalks on only one side of street, etc.) or using low impact development techniques such as porous pavement?
- Is the project located within a basin or sub-basin that has been categorized as under high or medium stress by the Massachusetts Water Resources Commission, or where there is other evidence that there are rivers and streams experiencing low flow problems? If so, have measures been considered to replace the natural recharge lost as a result of the prior development? (See Menu.)
- Has the applicant evaluated measures for reducing site runoff? (See Menu.)

## Standard 4: (80% TSS Removal)

Stormwater management systems must 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. Stormwater BMPs 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.

Full compliance for any component that is not a redevelopment

Full compliance with the long-term pollution plan requirement for new developments and redevelopments.

- Has the proponent developed a long-term pollution plan that fully meets the requirements of Standard 4?
- Does the pollution prevention plan include the following source control measures?
  - Street sweeping
  - o Proper management of snow, salt, sand and other deicing chemicals
  - o Proper management of fertilizers, herbicides and pesticides
  - Stabilization of existing eroding surfaces

Compliance to the Maximum Extent Practicable for the other requirements:

- Does the redevelopment design provide for treatment of all runoff from existing (as well as new) impervious areas to achieve 80% TSS removal? If 80% TSS removal is not achieved, has the stormwater management system been designed to remove TSS to the maximum extent practicable?
- Have the proposed stormwater BMPs been properly sized to capture the prescribed runoff volume?
  - One inch rule applies for discharge
    - within a Zone II or Interim Wellhead Protection Area,
    - near or to another critical area,
    - from a land use with a higher potential pollutant load
    - to the ground where the infiltration rate is greater than 2.4 inches per hour
- Has adequate pretreatment been proposed?
  - o 44% TSS Removal Pretreatment Requirement applies if:
    - Stormwater runoff is from a land use with a higher potential pollutant load
    - Stormwater is discharged
      - To the ground within the Zone II or Interim Wellhead Protection Area of a Public Water Supply

- To the ground with an infiltration rate greater than 2.4 inches per hour
- Near or to an Outstanding Resource Water, Special Resource Water, Cold-Water Fishery, Shellfish Growing Area, or Bathing Beach.
- If the stormwater BMPs do not meet all the requirements set forth above, the applicant shall document an analysis of alternative approaches for meeting the these requirements. (See Section on Retrofitting Existing BMPs (the "Retrofit Section").

## Improvements to Existing Conditions:

- Have measures been provided to achieve at least partial compliance with the TSS removal standard?
- Have any of the best management practices in the Retrofit Section been considered?
- Have any of the following pollution prevention measures been considered?
  - o Reduction or elimination of winter sanding, where safe and prudent to do so
  - o Tighter controls over the application of fertilizers, herbicides, and pesticides
  - o Landscaping that reduces the need for fertilizer, herbicides and pesticides
  - o High frequency sweeping of paved surfaces using vacuum sweepers
  - o Improved catch basin cleaning
  - Waterfowl control programs
- Are there any discharges (new or existing) to impaired waters? If so, see TMDL section.

**RESPONSE:** The existing stormwater management system provides 80% TSS removal.

## Standard 5 (Higher Potential Pollutant Loads (HPPL)

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 stormwater BMPs determined by the Department to be suitable for such use 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.

Full compliance for any component that is not a redevelopment.

Full compliance with pollution prevention requirements for new developments and redevelopments.

## **RESPONSE:** Not applicable

## Standard 6 (Critical Areas)

Stormwater discharges to a Zone II or Interim Wellhead Protection Area of a public water supply and stormwater discharges near or any other critical area require the use of the specific source control and pollution prevention measures and the specific stormwater best management practices determined by the Department to be suitable for managing discharges to such area, 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 or Special Resource Waters shall be set back from the receiving water and receive the highest and best practical method of treatment. A "stormwater 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 the public water supply.

Full compliance for component of project that is not a redevelopment

Full compliance with pollution prevention requirements for new developments and redevelopments.

**RESPONSE:** Not applicable

## Standard 8: (Erosion, Sediment Control)

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), must be developed and implemented.

All redevelopment projects shall fully comply with Standard 8.

• Has the proponent submitted a construction period erosion, sedimentation and pollution prevention plan that meets the requirements of Standard 8?

**RESPONSE:** Sedimentation and erosion control will consist of compost logs to be installed downgradient of the root removal work to prevent sediment from entering downstream wetland resource areas.

Standard 9: (Operation and Maintenance)

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

All redevelopment projects shall fully comply with Standard 9.

• Has the proponent submitted a long-term Operation and Maintenance plan that meets the requirements of Standard 9?

**RESPONSE:** The park will continue to be maintained by the Boston Parks and Recreation Department (BPRD) in accordance with the approved O&M Plan.

Standard 10 (Illicit Discharges)

All illicit discharges to the stormwater management system are prohibited.

All redevelopment projects shall fully comply with Standard 10.

- Are there any known or suspected illicit discharges to the stormwater management system at the redevelopment project site?
- Has an illicit connection detection program been implemented using visual screening, dye or smoke testing?

**RESPONSE**: Not applicable

• Have an Illicit Discharge Compliance Statement and associated site map been submitted verifying that there are no illicit discharges to the stormwater management system at the site?

**RESPONSE:** No, an Illicit Discharge Compliance Statement has not been submitted.

## Massachusetts Stormwater Handbook

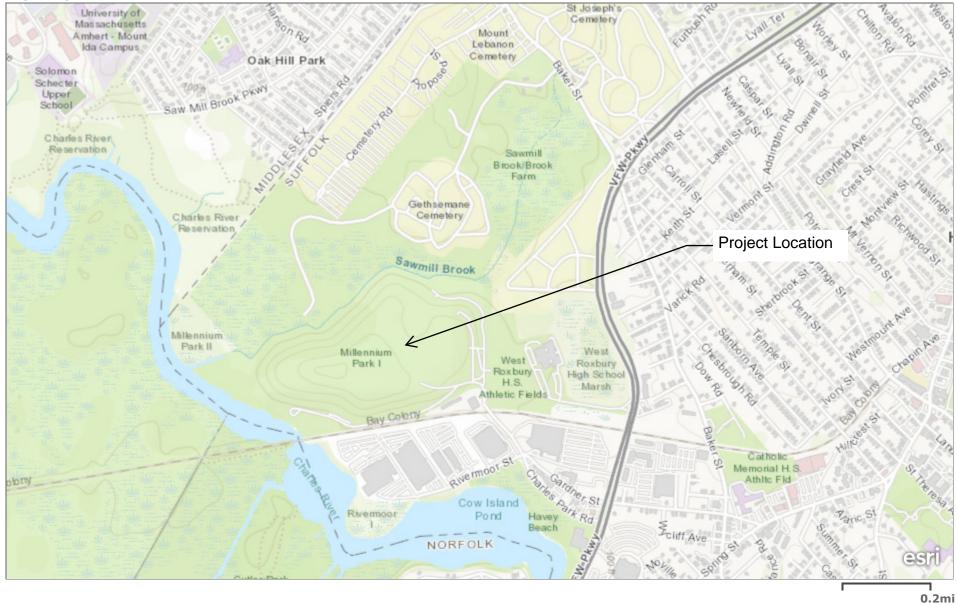
<ul> <li>Improvements to Existing Conditions:</li> <li>Once all illicit discharges are removed, has the proponent implemented any measures to preven additional illicit discharges?</li> </ul>

# FIGURE 1 PROJECT LOCATION



8/1/2021 My Map

## My Map



City of Boston, City of Newton, MassGIS, Esri Canada, Esri, HERE, Garmin, INCREMENT P, USGS, METI/NASA, EPA, USDA

# FIGURE 2 FLOOD INSURANCE RATE MAP



# National Flood Hazard Layer FIRMette

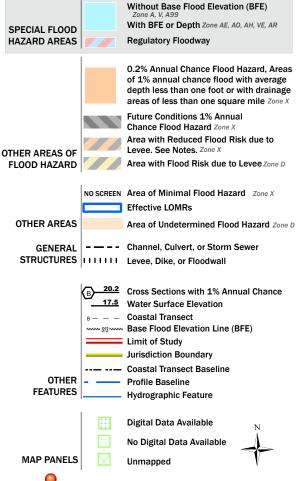


Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020



## Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT



This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The pin displayed on the map is an approximate point selected by the user and does not represent

an authoritative property location.

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 8/1/2021 at 9:45 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

# FIGURE 3 ESTIMATED AND PRIORITY HABITAT MAP



8/1/2021 My Map

## My Map

## NHESP\_Estimated\_Habitats

NHESP Estimated Habitats of Rare Wildlife



## NHESP\_Priority\_Habitats

NHESP Priority Habitats of Rare Species



## NHESP\_Certified\_Vernal\_Pools

NHESP Certified Vernal Pools



## NHESP\_Potential\_Vernal\_Pools

NHESP Potential Vernal Pools





Maxar | Esri, HERE, Garmin, iPC | MassGIS, NHESP

FIGURE 3: ESTIMATED AND PRIORITY HABITATS MAP

# ATTACHMENT A PROJECT NARRATIVE



## **Project Narrative**

## 1.0 Introduction and Proposed Work

The Boston Parks and Recreation Department (BPRD) is submitting this Notice of Intent (NOI) for the Design Improvements Project to Millennium Park (the Project) located off Gardner Street in West Roxbury (see Figure 1). Millennium Park is a former landfill (Garden Street Landfill) which was reclaimed as a public park using soils from the Big Dig and capped by installing an impermeable landfill cap. The construction of the landfill cap and park began in 1994 with Millennium Park completed in 1998 and officially opened to the public in December 2000.

The proposed Project consists of upgrading equipment in the existing children's playground (outside of the Conservation Commission's jurisdiction) and replacing existing paving or milling and overlaying existing degraded pavement within the limits of the existing paved access roadways, parking areas and walking pathways as shown on the Plan Sheets included in Attachment D. The paving program consists of the following:

- 1) The walking pathways will receive 2 inches of a topcoat overlay with no disturbance to the existing pavement or existing dense graded base stone except for limited areas noted in (2).
- 2) In limited areas along the north park perimeter walking pathway, existing tree root systems have caused heaving in the existing pavement. In these areas the existing pavement will need to be removed, and tree roots cut and removed by excavating 6 inches down prior to new pavement being installed. In these limited areas the existing dense graded base stone will not be disturbed other than to remove the tree roots. The areas where tree root removal is required are located at the edge of the existing landfill cap and care will need to be taken so there is less potential to damage or disturb the landfill cap from the proposed shallow excavations. A certified arborist will review these locations with the selected Contractor, Boston Parks representatives and CDM Smith prior to any pavement or root removal.
- 3) The southern parking lot will receive milling of existing pavement and overlay with new pavement, and limited spot repairs. There will be no disturbance to the existing dense graded base nor existing binder course.

Proposed work also includes the permanent removal of several patches Japanese knotweed (*Polygonum japonicum*) within the 100-ft buffer zone using the herbicide TZone plus methylated seed oil for surface penetration (see Materials Safety Data Sheet and knotweed removal plan in Attachment C). Barrett Tree is the has been contracted by the BPRD to perform the aerial spraying once this fall and then in the Spring of 2022 when the knotweed is in bloom. Treatment areas will be seeded with a wetland seed mixture or a landfill seed mixture upon completion of the second treatment in spring of 2022.

The proposed work is subject to review by the Boston Conservation Commission under the Massachusetts Wetlands Protection Act (MWPA) (M.G.L. c. 131, s. 40) and its implementing regulations (310 CMR 10.00) (the Regulations) and the City of Boston Ordinance Protecting Local Wetlands and Promoting Climate Change Adaptation in the City of Boston (the Ordinance) and



the Boston Wetland Regulations. Proposed work will temporarily alter Bordering Land Subject to Flooding (BLSF), 25-ft Riverfront Area (RFA), 100-foot Buffer Zone, and the locally jurisdictional Waterfront Area. There will be no expansion of the existing pathways, parking lots, or driveways beyond their existing footprints. There will be no alteration of existing vegetated areas and no change in post closure use. The proposed pavement work of the project is limited to required maintenance and repair. No pavement work has occurred since the original installation in the late 1990's.

## 2.0 Existing Conditions

A site inspection for wetland resource areas was conducted by Magdalena H. Lofstedt, PWS, on January 7, 2021. Existing field-delineated wetlands resource area boundaries were evaluated for conformance with the MWPA and Regulations (310 CMR 10.00), the U.S. Army Corps of Engineers 1987 Wetlands Delineation Manual (Environmental Laboratory, 1987), and the U.S. Army Corps of Engineers 2011 Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region (Version 2.0).

The following wetland resource areas are present along the perimeter of Millennium Park as shown on the project plans in Attachment D.

# 2.1 Wetland Resource Areas Regulated by MWPA and Regulations (310 CMR 10.00)

## 2.1.1 Bordering Vegetated Wetland

Bordering Vegetated Wetlands (BVW) is defined as:

"Freshwater wetlands which border on creeks, rivers, streams, ponds, and lakes. The types of freshwater wetlands are wet meadows, marshes, swamps, and bogs. Bordering Vegetated Wetlands are areas where the soils are saturated and/or inundated such that they support a predominance of wetland indicator plants." [310 CMR 10.55(2)]

The bordering vegetated wetland (BVW) associated with Sawmill Brook that flows to the north and west of Millennium Park was marked in the field with wetland flags WF 1-1 to WF 1-60End.

A second BVW associated with the Charles River was marked in the field by wetland flags WF 2-1 to 2-31End.

## 2.1.2 Riverfront Area

Riverfront Area (RFA) is defined as:

"the area of land between a river's mean annual high-water line and a parallel line measured horizontally outward from the river and a parallel line located 200 feet away, except that the parallel line is located: a) 25 feet away in Boston... [310 CMR 10.58 (2) a]

The City of Boston has a 25-ft Riverfront Area (RFA) shown on the Project Plans in Attachment D. The RFA was offset from the mean annual high water lines flags RFA-1 to RFA-52 and WF 2-1 to 2-31 End.



## 2.1.3 Bordering Land Subject to Flooding (BLSF)

BLSF is defined as:

"an area with low, flat topography adjacent to and inundated by flood waters rising from creeks, rivers, streams, ponds or lakes. It extends from the banks of these waterways and water bodies." [310 CMR 10.57]

The Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM) of the project area (25025C0066G) identifies the 100-year floodplain (Zone AE) in the project area at elevation 90 feet NAVD 88 see Figure 3 and project plans in Attachment D.

## 2.2 Wetland Resource Areas Regulated by the Ordinance

The Ordinance regulates activities within the local Waterfront Area:

#### 2.2.1 Waterfront Area

Waterfront Area is "the portion of the buffer zone which extends twenty-five (25) feet horizontally from the edge of any inland bank, lake, pond, intermittent stream, brook, creek or riverfront area." Waterfront Area is important for the protection of adjacent wetland resource areas and for public access to the waterfront.

The portion of the buffer zone which extends twenty-five (25) feet horizontally from the edge of the following wetland resource areas: 1. Any coastal beach, dune, bank, tidal flats, rocky intertidal shores, salt marshes or land containing shellfish; or 2. Any inland bank, lake, pond, intermittent stream, brook, creek, or riverfront area.

The Waterfront Area offset from the 25-ft Riverfront Area is shown on the project plans in Attachment D.

## 2.3 State-listed Estimated and Priority Habitat

The Massachusetts Natural Heritage & Endangered Species Program shows mapped polygons of Estimated and Priority Habitat outside of the perimeter walking pathways (see Figure 4). There will be no alteration of Estimated nor Priority Habitats from the proposed paving program as all work is located outside of mapped protected habitats.

## 3.0 Construction Mitigation Measures

The following summary of mitigation measures will be implemented to protect the wetland resource areas associated with Sawmill Brook and Charles River during and after construction.

## **Sedimentation and Erosion Control Measures During Construction**

Prior to commencement of construction, compost logs will be installed at the limits of work where excavation will occur to prevent the transport of sediment to downstream wetlands and Sawmill Brook as shown on the Project Plans in Attachment D.

## **Spill Control Measures**

 Spill containment equipment (e.g., oil absorbent pads, oil absorbent materials, containment booms, shovels, etc.) will be stored in the equipment storage and refueling area in an easily



accessible manner for use in the clean-up of accidental releases of fuel, hydraulic fluid, or other hazardous materials. Should there be an accidental release the proper authorities will be notified in accordance with all applicable federal, state, and local laws.

To minimize the possibility of hydraulic fluid leaks, all hydraulic lines on all construction equipment and vehicles will be inspected at the end of each workday. If any excessive wear or leakage is observed, the line will be repaired prior to further use. In addition, a supply of oil absorbent materials (i.e., pads, "speedy dry," and/or booms) will be maintained with the equipment at the work area for immediate deployment in the event of an accidental release of fuel, hydraulic fluid, oil, etc.

#### **Post Construction Measures**

The following summary of mitigation measures will be implemented to restore any areas affected by short-term impacts that occur in or adjacent wetland resource areas.

 The compost log barrier will not be removed until disturbed areas are revegetated and stabilized.

## 4.0 Compliance with Performance Standards

# 4.1 Mass Wetlands Protection Act (M.G.L. c. 131 §40) and Regulations (310 CMR 10.00)

Work proposed herein and shown on the attached project plans was designed to comply with the MWPA and Regulations. The proposed Project meets the performance standards for work in BLSF and RFA. There are no performance standards for work within the 100-foot Buffer Zone.

## 4.1.1 Bordering Land Subject to Flooding (BLSF)

The FEMA Flood Insurance Rate Map (FIRM) for the Project area depicts the 100-year flood plain regulated as Bordering Land Subject to Flooding (BLSF) under the MWPA and Regulations. Work within the BLSF will comply with General Performance Standards outlined in 310 CMR 10.57(4) a 1-3, listed below in italicized script with responding compliance measures in non-italicized script.

1. Compensatory storage shall be provided for all flood storage volume that will be lost as the result of a proposed project within Bordering Land Subject to Flooding, when in the judgment of the issuing authority said loss will cause an increase or will contribute incrementally to an increase in the horizontal extent and level of flood waters during peak flows.

Compensatory storage shall mean a volume not previously used for flood storage and shall be incrementally equal to the theoretical volume of flood water at each elevation, up to and including the 100-year flood elevation, which would be displaced by the proposed project. Such compensatory volume shall have an unrestricted hydraulic connection to the same waterway or water body. Further, with respect to waterways, such compensatory volume shall be provided within the same reach of the river, stream or creek.

Repair of the perimeter pathways will minimally alter approximately 12,200 square feet of BLSF by the addition of 2 inches of pavement over 1,232 linear feet of existing pathways. The additional 2 inches of pavement will not cause an increase or contribute incrementally to an



increase in the horizontal extent and level of flood waters during peak flows since the volume is De minimis in the 310 square mile Charles River watershed. Adding topcoat is the least damaging environmental alternative since it avoids removing the existing pavement and potentially disturbing the existing landfill cap layers. There is no place on site to provide compensatory flood storage as Millennium Park is constructed on top of a capped landfill and the park extends to the 100-year floodplain to the north, west, and southwest (see Figure 2). Railroad tracks borders the site to the south and playing fields borders the site to the east (see Figure 1).

2. Work within Bordering Land Subject to Flooding, including that work required to provide the above-specified compensatory storage, shall not restrict flows so as to cause an increase in flood stage or velocity.

The temporary alteration to BLSF is occurring on the northern and western portions of the park where BLSF extend up to the limits of the park. The addition of 2 inches of pavement is such a small amount in the 310 square mile Charles River watershed that is can be considered a negligible volume.

3. Work in those portions of bordering land subject to flooding found to be significant to the protection of wildlife habitat shall not impair its capacity to provide important wildlife habitat functions. Except for work which would adversely affect vernal pool habitat, a project or projects on a single lot, for which Notice(s) of Intent is filed on or after November 1, 1987, that (cumulatively) alter(s) up to 10% or 5,000 square feet (whichever is less) of land in this resource area found to be significant to the protection of wildlife habitat, shall not be deemed to impair its capacity to provide important wildlife habitat functions. Additional alterations beyond the above threshold, or altering vernal pool habitat, may be permitted if they will have no adverse effects on wildlife habitat, as determined by procedures contained in 310 CMR 10.60.

Not applicable; there are no state-listed rare species within the project area.

### 4.1.2 Riverfront Area

Work within the Riverfront Area will comply with General Performance Standards outlined in 310 CMR 10.58(4) a - d, listed below in italicized script with responding compliance measures in non-italicized script.

"(a) Protection of Other Resource Areas. The work shall meet the performance standards for all other resource areas within the riverfront area, as identified in 310 CMR 10.30 (Coastal Bank), 10.32 (Salt Marsh), 10.55 (Bordering Vegetated Wetland), and 10.57 (Land Subject to Flooding). When work in the riverfront area is also within the buffer zone to another resource area, the performance standards for the riverfront area shall contribute to the protection of the interests of M.G.L. c. 131, § 40 in lieu of any additional requirements that might otherwise be imposed on work in the buffer zone within the riverfront area."

The proposed work meets the performance standards for BLSF (see Section 4.1.1 above) which is the only other wetland resource area impacted.

"(b) Protection of Rare Species. No project may be permitted within the riverfront area which will have any adverse effect on specified habitat sites of rare wetland or upland, vertebrate or



invertebrate species, as identified by the procedures established under 310 CMR 10.59 or 10.37, or which will have any adverse effect on vernal pool habitat certified prior to the filing of the Notice of Intent."

Not applicable; there are no state-listed rare species within the project area.

"(c) Practicable and Substantially Equivalent Economic Alternatives. There must be no practicable and substantially equivalent economic alternative to the proposed project with less adverse effects on the interests identified in M.G.L. c. 131 § 40."

#### Other Alternatives Considered

The No Build Alternative is not feasible since the Project is maintenance of existing paved access roadways, parking areas, and walking pathways.

- "(d) No Significant Adverse Impact. The work, including proposed mitigation measures, must have no significant adverse impact on the riverfront area to protect the interests identified in M.G.L. c. 131, § 40.
- 1. Within 200-foot riverfront areas, the issuing authority may allow the alteration of up to 5000 square feet or 10% of the riverfront area within the lot, whichever is greater, on a lot recorded on or before October 6, 1997 or lots recorded after October 6, 1997 subject to the restrictions of 310 CMR 10.58(4)(c)2.b.vi., or up to 10% of the riverfront area within a lot recorded after October 6, 1997, provided that:
- a. At a minimum, a 100-foot-wide area of undisturbed vegetation is provided. This area shall extend from mean annual high-water along the river unless another location would better protect the interests identified in M.G.L. c. 131 § 40. If there is not a 100-foot-wide area of undisturbed vegetation within the riverfront area, existing vegetative cover shall be preserved or extended to the maximum extent feasible to approximate a 100-foot-wide corridor of natural vegetation. Replication and compensatory storage required to meet other resource area performance standards are allowed within this area; structural stormwater management measures may be allowed only when there is no practicable alternative. Temporary impacts where necessary for installation of linear site-related utilities are allowed, provided the area is restored to its natural conditions. Proposed work which does not meet the requirement of 310 CMR 10.58(4)(d)1. a. may be allowed only if an applicant demonstrates by a preponderance of evidence from a competent source that an area of undisturbed vegetation with an overall average width of 100 feet will provide equivalent protection of the riverfront area, or that a partial rebuttal of the presumptions of significance is sufficient to justify a lesser area of undisturbed vegetation;"

The City of Boston has a 25-ft Riverfront Area. The proposed repaving of the existing walking pathways will temporarily alter approximately 21,184 square feet of the 25-ft Riverfront Area. There will be no alteration in the Riverfront Area beyond the existing footprint of the paths.

"b. Stormwater is managed according to standards established by the Department in its Stormwater Policy."



The existing stormwater management system at Millennium Park was designed for the 25-year storm event. The existing stormwater management system attenuates stormwater flow, provides groundwater recharge, and provides 80% TSS removal in full compliance with the Stormwater Standards. The proposed maintenance paving program will be located within the footprints of existing pathways and parking lots with no increase in impervious area.

"c. Proposed work does not impair the capacity of the riverfront area to provide important wildlife habitat functions. Work shall not result in an impairment of the capacity to provide vernal pool habitat identified by evidence from a competent source, but not yet certified. For work within an undeveloped riverfront area which exceeds 5,000 square feet, the issuing authority may require a wildlife habitat evaluation study under 310 CMR 10.60."

There are no potential or certified vernal pools within the proposed work area.

## 4.1.3 100-ft Buffer Zone

Although there are no performance standards for work within the 100-foot Buffer Zone under the MWPA and Regulations, the buffer zone is presumed significant for the protection of the resource area because activities undertaken near resource areas have a reasonable probability of adverse impact upon the wetland or other resource, because of construction and daily operation and activities. The repaving of the existing walking pathways and parking lot will temporarily alter approximately 41,944 square feet of the 100-ft Buffer Zone. The knotweed treatment program will temporarily alter an additional 9,900 square feet. The proposed trail/parking lot maintenance will protect downstream wetland resource areas for the long-term. Knotweed is considered an invasive species therefore permanent removal is important to ensure further propagation. Permanent removal will improve wildlife habitat since knotweed offers little habitat value than cover.

## 4.2 Wetland Resource Areas Regulated by the Ordinance

## 4.2.1 Waterfront Area

The proposed paving program will temporarily alter approximately 29,657 square feet of Waterfront Area. The knotweed treatment program will temporarily alter an additional 1,900 square feet. Waterfront Area is important for the protection of adjacent wetland resource areas and for public access to the waterfront. The proposed paving will not extend beyond existing limits of pavement and is considered a maintenance activity. The existing roadways and parking areas are located predominately on top of the existing landfill cap. The public access to the waterfront (i.e., canoe launch on Charles River and walking pathways along the banks of Charles River and Sawmill Brook) will remain unchanged.

## 5.0 Climate Change Considerations

As extreme weather events such as storms, flooding, droughts, and heat waves increase in frequency with climate change, protecting wetland resources becomes extremely important as wetlands help buffering adjacent areas from flooding. Maintaining the existing walking pathways and parking lots will prevent erosion and sedimentation that could occur if the pathways/parking lots were left to further degrade which would in turn impact the functions of the wetlands bordering Millennium Park to the north, west, and south.



## 6.0 Summary

All proposed maintenance and improvements work will be completed in compliance with the MWPA and the Regulations, and the Ordinance and Boston Wetland Regulations. Impacts to RFA and BLSF are temporary and limited to during the repaving efforts. The proposed work will not result in new (i.e., beyond existing footprint) permanent impacts to BLSF, RFA, or Waterfront Area.



# ATTACHMENT B ABUTTER NOTIFICATION INFORMATION







## City of Boston Mayor Kim Janey

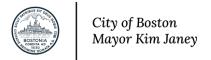
# NOTIFICATION TO ABUTTERS BOSTON CONSERVATION COMMISSION

In accordance with the Massachusetts Wetlands Protection Act, Massachusetts General Laws Chapter 131, Section 40, and the Boston Wetlands Ordinance, you are hereby notified as an abutter to a project filed with the Boston Conservation Commission. A. \_\_\_\_\_ has filed a Notice of Intent with the Boston Conservation Commission seeking permission to alter an Area Subject to Protection under the Wetlands Protection Act (General Laws Chapter 131, section 40) and Boston Wetlands Ordinance. B. The address of the lot where the activity is proposed is \_\_\_\_\_. C. The project involves \_\_\_\_\_\_. D. Copies of the Notice of Intent may be obtained by contacting the Boston Conservation Commission at CC@boston.gov. E. Copies of the Notice of Intent may be obtained from \_\_\_\_\_ by contacting them at \_\_\_\_\_, \_\_\_\_, between the hours of \_\_\_\_\_, \_\_\_\_, F. In accordance with the Commonwealth of Massachusetts Executive Order Suspending Certain Provisions of the Open Meeting Law, the public hearing will take place virtually at https://zoom.us/j/6864582044. If you are unable to access the internet, you can call 1-929-205-6099, enter Meeting ID 686 458 2044 # and use # as your participant ID. G. Information regarding the date and time of the public hearing may be obtained from the **Boston** Conservation Commission by emailing CC@boston.gov or calling (617) 635-3850 between the hours of 9 AM to 5 PM, Monday through Friday. NOTE: Notice of the public hearing, including its date, time, and place, will be published at least five (5) days in advance in the Boston Herald. NOTE: Notice of the public hearing, including its date, time, and place, will be posted on www.boston.gov/public-notices and in Boston City Hall not less than forty-eight (48) hours in advance. If you would like to provide comments, you may attend the public hearing or send written comments to CC@boston.gov or Boston City Hall, Environment Department, Room 709, 1 City Hall Square, Boston, MA 02201 NOTE: If you would like to provide comments, you may attend the public hearing or send written comments to CC@boston.gov or Boston City Hall, Environment Department, Room 709, 1 City Hall Square, Boston, MA 02201 NOTE: You also may contact the Boston Conservation Commission or the Department of Environmental Protection Northeast Regional Office for more information about this application or the Wetlands Protection Act. To contact DEP, call: the Northeast Region: (978) 694-3200.

CC@boston.gov by 12 PM the day before the hearing.

NOTE: If you plan to attend the public hearing and are in need of interpretation, please notify staff at





## NOTIFICACIÓN PARA PROPIETARIOS Y/O VECINOS COLINDANTES COMISIÓN DE CONSERVACIÓN DE BOSTON

De conformidad con la Ley de protección de los humedales de Massachusetts, el Capítulo 131, Sección 40 de las Leyes Generales de Massachusetts y la Ordenanza sobre los humedales de Boston, por la presente queda usted notificado como propietario o vecino colindante de un proyecto presentado ante la Comisión de Conservación de Boston.

- A. El Departamento de Parques y Recreación de Boston ha presentado una solicitud a la Comisión de Conservación de Boston pidiendo permiso para modificar una zona sujeta a protección en virtud de la Ley de protección de los humedales (Leyes generales, capítulo 131, sección 40) y la Ordenanza sobre los humedales de Boston.
- **B.** La dirección del lote donde se propone la actividad es en el Parque Millenium en Gardner Road en West Roxbury.
- C. El proyecto consiste en sustituir el pavimento de las vías de acceso existentes, los lugares para estacionar y las rutas para caminar.
- D. Se pueden obtener copias del Aviso de Intención comunicándose con la Comisión de Conservación de Boston en <a href="CC@boston.gov">CC@boston.gov</a>.
- E. Las copias de la notificación de intención pueden obtenerse comunicándose con Magdalena Lofstedt de CDM Smith Inc. a través del correo electrónico <u>lofstedtmh@cdmsmith.com</u> o llamando al 617-452-6597, de lunes a viernes de 9am a 5pm.
- F. De acuerdo con el Decreto Ejecutivo de le Mancomunidad de Massachusetts que suspende ciertas disposiciones de la Ley de reuniones abiertas, la audiencia pública se llevará a cabo virtualmente en <a href="https://zoom.us/j/6864582044">https://zoom.us/j/6864582044</a>. Si no puede acceder a Internet, puede llamar al 1-929-205- 6099, ingresar ID de reunión 686 458 2044 # y usar # como su ID de participante.
- G. La información relativa a la fecha y hora de la audiencia pública puede solicitarse a la Comisión de Conservación de Boston por correo electrónico a <a href="CC@boston.gov">CC@boston.gov</a> o llamando al (617) 635-4416 entre las 9 AM y las 5 PM, de lunes a viernes.

NOTA: La notificación de la audiencia pública, incluida su fecha, hora y lugar, se publicará en el **Boston Herald** con al menos cinco (5) días de antelación.

NOTA: La notificación de la audiencia pública, incluida su fecha, hora y lugar, se publicará en <a href="www.boston.gov/public-notices">www.boston.gov/public-notices</a> y en el Ayuntamiento de Boston con no menos de cuarenta y ocho (48) horas de antelación. Si desea formular comentarios, puede asistir a la audiencia pública o enviarlos por escrito a <a href="CC@boston.gov">CC@boston.gov</a> o al Ayuntamiento de Boston, Departamento de Medio Ambiente, Sala 709, 1 City Hall Square, Boston, MA 02201.

NOTA: También puede comunicarse con la Comisión de Conservación de Boston o con la Oficina Regional del Noreste del Departamento de Protección Ambiental para obtener más información sobre esta solicitud o la Ley de Protección de Humedales. Para comunicarse con el DEP, llame a la Región Noreste: (978) 694-3200.



City of Boston Environment



City of Boston Mayor Martin J. Walsh

NOTA: si tiene previsto asistir a la audiencia pública y necesita servicios de interpretación, sírvase informar al personal en <a href="CC@boston.gov">CC@boston.gov</a> antes de las 12 PM del día anterior a la audiencia.

## **Certification of Accuracy**

Re: Translation spanish abutter notification form 2020\_SP

I, Kamran Khan, hereby attest that that above referenced document to the best of my knowledge, ability, and belief is a true, accurate, and complete translation of the original *English* document that was provided and was translated by a qualified and experienced translation with natively fluency in Spanish.



<u>Kamran Khan</u> SIGNATURE

9/21/2021

DATE

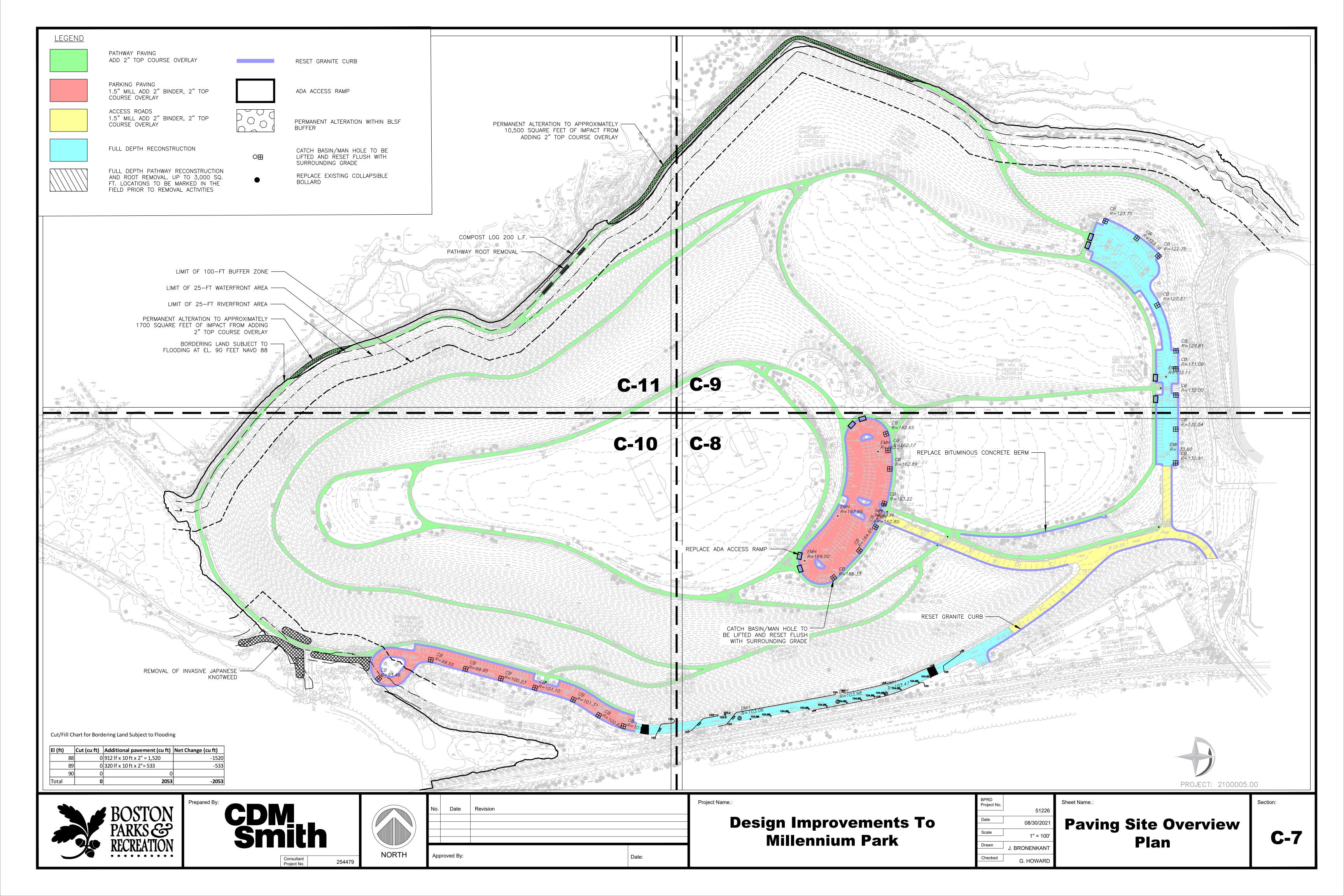
ParcellD	Street	Owner	CoOwner	Address	City	State	Zip
2008964000	670 BAKER ST	Commonwealth of Mass.		670 BAKER ST	West Roxbury	MA	02132
2008982000	1205 VFW PW	City of Boston		1 City Hall Square	Boston	MA	02201-2036
2008967000	Baker Street	HOLYHOOD CEMETERY ASSOC		584 Heath St /O B-11 TAX DEPT RE 2455	Chestnut Hill	MA	02467
2009224000	Gardner Street	Home Depot USA Inc.		PACES FERRY RD P.O. BOX 92129 C/O ALTUS	Atlanta	GA	30339
2009227000	99 Rivermoor Street	ROXBURY STORAGE LLC		GROUP	Southlake	TX	76092
2009226010	Gardner Street	City of Boston					02132
2009226000	Gardner Street	Mass. Bay Transportation Authority		10 Park Plaza, Suite 5610	Boston	MA	02116
2009227010	151 Rivermoor Street	AMR REAL ESTATE HOLDINGS II LLC	C/O MATTHEW MCGOVERN	425 PROVIDENCE HW	Westwood	MA	02090
2009227020	155 Rivermoor Street	AMR REAL ESTATE HOLDINGS II LLC	C/O MATTHEW MCGOVERN	425 PROVIDENCE HW	Westwood	MA	02090
2009228000	201 Rivermoor Street	City of Boston		1 City Hall Square	Boston	MA	02201-2036
2009228015	Rivermoor Street	City of Boston		1 City Hall Square	Boston	MA	02201-2036
2009228040	Rivermoor Street West	U.S. Army Corps of Engineers		696 Virginia Rd	Concord	MA	01742

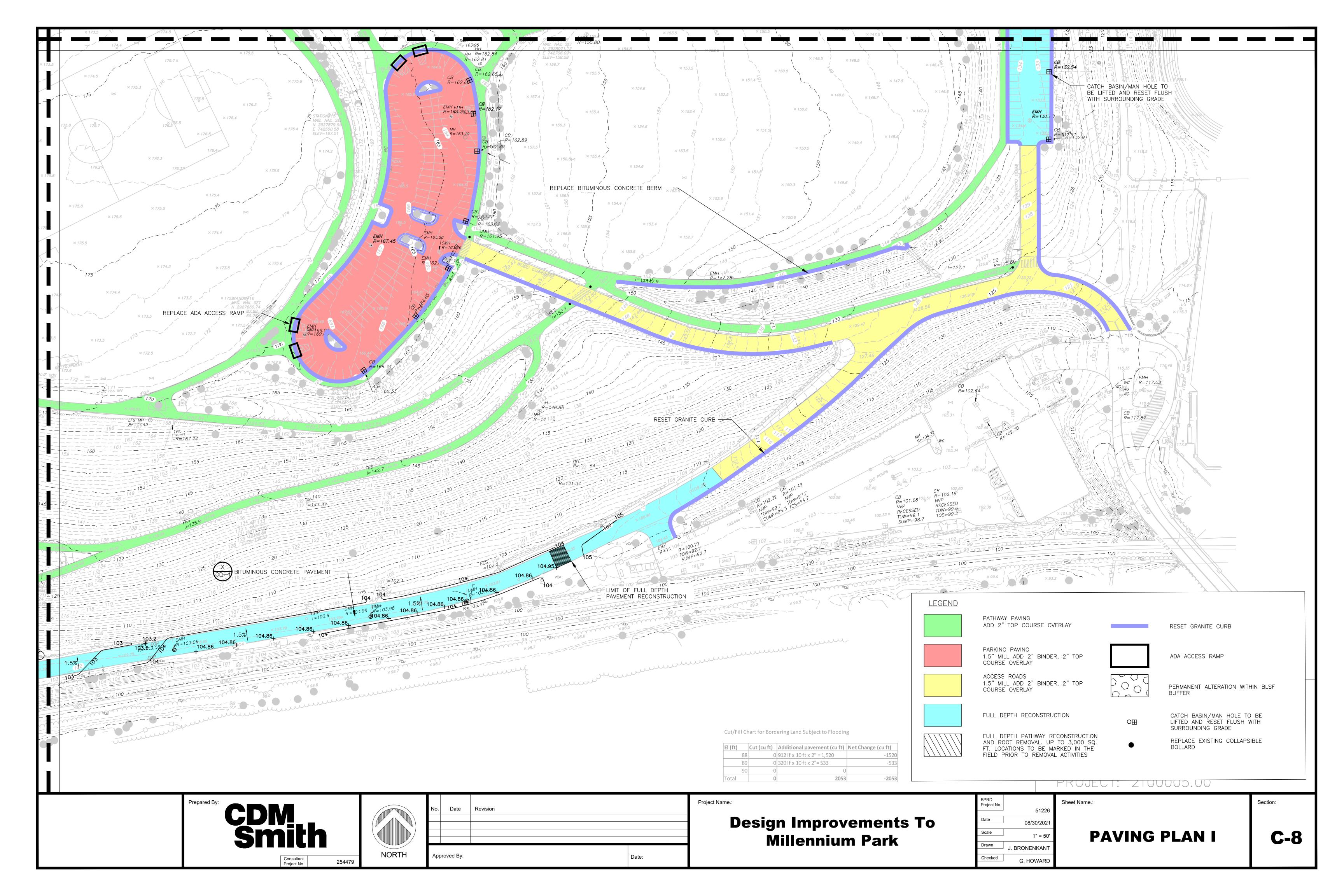
# ATTACHMENT C MATERIALS SAFETY DATA SHEET

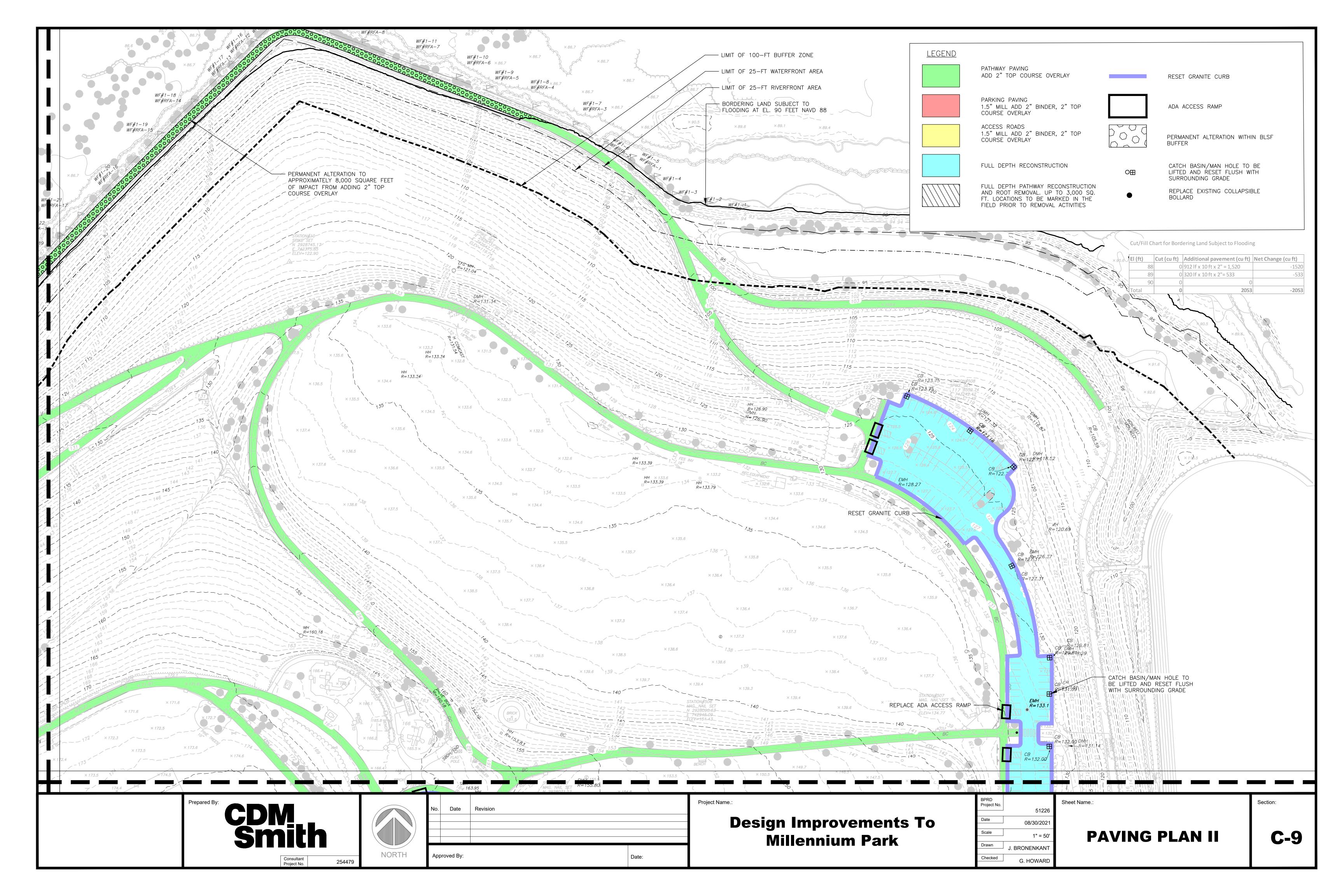


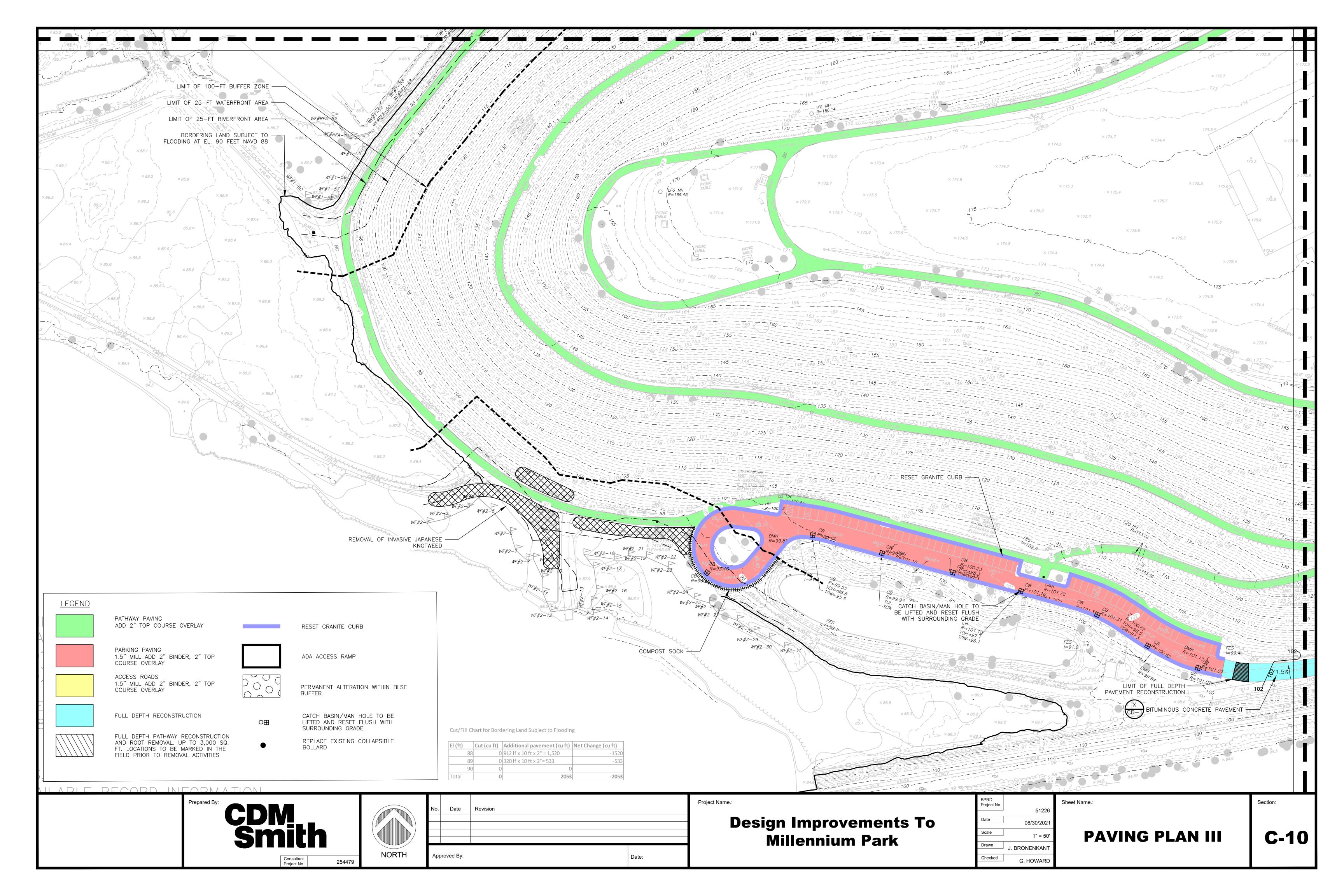
# ATTACHMENT D PROJECT PLANS

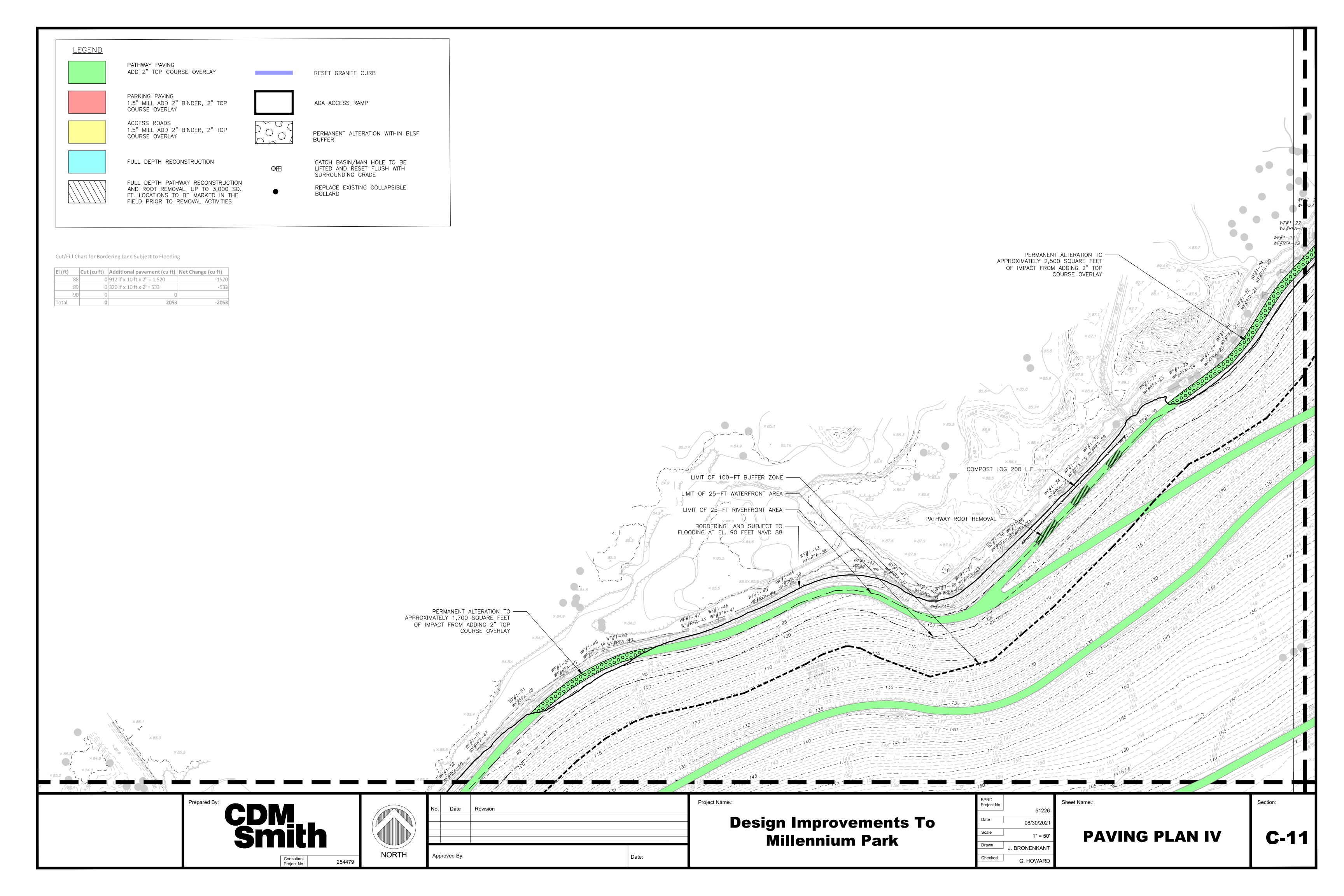












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