

ENVIRONMENTAL MONITOR WEEKLY REPORT
WEEK ENDING **May 19, 2017**

Distribution

This report was sent to the following individuals via. e-mail:

Greg Kwon, *Resident Engineer* MADOT, Greg.Kwon@dot.state.ma.us
John Viens, *Site Superintendent*, D.W. White, jviens@dwwhite.com
Delia Kaye, *Natural Resources Director*, Town of Concord, dkaye@concordma.gov

The following individuals were also CC'd via e-mail:

Mark Cain, MADOT, mark.cain@dot.state.ma.us
Tim Kelley, *Project Manager*, D.W. White, tkelley@dwwhite.com
Rich Kirby, *Environmental Monitor Team member*, LEC, RKirby@lecenvironmental.com

INSPECTIONS

On May 15, 2017, Evan Watson visited the site following heavy rain event on Sunday, May 14th. Areas that have been cleared were inspected. No evidence of erosion to resource areas was found anywhere on the site.

STATUS OF CONSTRUCTION

Tree clearing and erosion control installation continues. Due to the heavy rain and narrow access, it was difficult for the erosion control contractor to install the compost filter tubes. Straw wattles were substituted in areas where compost tubes could not be installed. The Concord DNR was first contacted and the change complies with condition 39.

On May 16 the Concord DNR sent notice of a complaint regarding lack of erosion control in an area. The contractor was notified and erosion control was installed the following day.

SITE SCHEDULE

The two-week look ahead for the project entails the continuation of tree clearing and the installation of perimeter erosion controls.

WEATHER

The weather station at Hanscom Airfield records and publishes real-time precipitation data (USGS 01100568). According to the weather station, one event greater than 0.25" occurred during the reporting period. On 5/14/2017, 0.97 inches of rain fell.

ORDER OF CONDITIONS

The following conditions were met during the reporting period:

Condition 10: The required MassDEP file number sign is displayed where the trail intersects Main Street.

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Condition 33: Numerous trees were marked to be retained at the site walk. The contractor was observed retaining as much structure and tree canopy as possible.

Condition 35: No staging of construction materials was taking place in the 100' buffer zone. Staging for wood chipping was being conducted off-site.

Condition 39: Limit of work has been staked by a survey crew and compost filter tubes were being installed. Straw wattles were substituted where access limited the installation of compost filter tubes.

Condition 56: A copy of the OOC and plan has been provided and is available at the construction trailer. The trailer is located at the staging area behind the correctional facility, accessed on the east side of Commonwealth Ave

PLANNED IMPACTED AREAS

No planned impacted areas have been disturbed since the last reporting period.

SWPPP REPORTS

SWPPP inspections are conducted after 0.25" of rain, but in no case, not farther than 1-week apart. An inspection was conducted on the Monday following the rain event that occurred on Sunday, 5/14/17. Copies of the reports are kept in the construction trailer. Copies of the report will be transmitted, once they are obtained.

SITE PHOTOGRAPHS

Site photographs are attached.

GENERAL SUMMARY

Work has started but no earth disturbance has occurred or is planned for the next two weeks.

PHOTOGRAPHIC DOCUMENTATION



PHOTOGRAPH LOG

MAY 15, 2017



DAMAGED EC HAS BEEN REPAIRED



MASSDEP FILE NUMBER SIGN IS INSTALLED

SUBMITTAL LETTERS

From: [Delia Kaye](#)
To: [Evan Watson](#)
Cc: "[greg.kwon@state.ma.us](#)"; "[tkelley@dwwhite.com](#)"; "[rkirby@lecenvironmental.com](#)"
Subject: RE: BFRT - Straw Wattle submittal
Date: Tuesday, May 16, 2017 3:32:36 PM
Attachments: [image001.png](#)
[Bruce Freeman Rail Trail - West Concord.msg](#)

Evan,

Thanks for following up. This substitution is approved, provided the netting is removed once the wattle is replaced or removed. As discussed, please be sure that the wattles are staked below (not through) to keep them in place and maintain wattle integrity.

Please be sure that erosion controls are installed ASAP at the driveway that crosses the trail, to respond to the concerns from the abutter at 38 Williams Road (see email attached).

Thanks,
Delia

Delia R. J. Kaye | Natural Resources Director
Town of Concord | 141 Keyes Road | Concord, MA 01742
978.318.3285 (tel) | 978.318.3291 (fax)

From: Evan Watson [<mailto:ewatson@primeengineering.org>]
Sent: Tuesday, May 16, 2017 3:27 PM
To: Delia Kaye
Cc: 'greg.kwon@state.ma.us'; 'tkelley@dwwhite.com'; 'rkirby@lecenvironmental.com'
Subject: FW: BFRT - Straw Wattle submittal

Delia,

Per our conversation this afternoon, attached is the straw wattle that will be used in areas where the installation subcontractor cannot access portions of the site. This product complies with condition 39 of the OOC with the exception of the polyethylene netting. When the wattles need replacement, the netting will be removed and either replaced with new wattles, or biodegradable compost tubes where accessible.

From: Timothy Kelley [<mailto:tkelley@dwwhite.com>]
Sent: Tuesday, May 16, 2017 2:50 PM
To: Evan Watson
Subject: FW: BFRT - Straw Wattle submittal

fyi

From: Melanie Silva [<mailto:msilva@monlandscaping.com>]
Sent: Tuesday, May 16, 2017 2:36 PM
To: Timothy Kelley
Cc: Fernando Sousa
Subject: BFRT - Straw Wattle submittal

Hi Tim,

Please see attached for the 12" straw wattle submittal for the Bruce Freeman Trail.

Thank you,
Melanie Silva
Administrative Assistant



P. O. Box 70220
North Dartmouth, MA 02747
P- (508) 679-3994
F- (508) 679-0390

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M-O-N LANDSCAPING
 678 State Road
 P. O. Box 70220
 North Dartmouth, MA 02747
 (508) 679-3994 Fax (508) 673-039

Submittal Transmittal

Date: 5/16/2017
 Contract: 605189
 For : **Construction of the Bruce Freeman Rail Trail (Phase 2C) - Concord, MA**

Transmitted To: Tim Kelley
 D.W. White Construction Co.
 867 Middle Rd.
 Acushnet, MA 02743

Qty	Submittal Package No	Description	Due Date	Package Action
		Straw Wattle		for approval
Transmitted For		Delivered Via	Tracking Number	
Approval		e-mailed		
Items	Description	Notes		
	12" EC Wattle data sheet	supplier: US Construction Fabrics		

Cc:	Company Name	Contact Name	Copies	Notes
	File Folder			

Remarks

A. Sika

5/16/17

Signed Date



Material Specification Sheet

ECWATTLE Straw Wattles

Description:

The ECWATTLES are cylindrical devices made with agricultural straw compressed inside polyethylene netting. The ends are twisted closed. They are coiled, bound and palletized for easy transportation. Each pallet is shrink-wrapped and labeled.

The ECWATTLES are designed to be used as slope interceptor devices, check dams, around temporary stockpiles, at curb cuts and drain inlets. They are secured with wooden stakes and should be installed in accordance to East Coast Erosion Blankets, LLC's Wattle Installation Guidelines.

The ECWATTLES have been tested by an independent laboratory to have 83% filtering efficiency.

Materials:

Netting

Polyethylene

Matrix

Agricultural Straw

Standard Sizes:

Diameter:	9.0 in (22.9 cm)	12.0 in (30.5 cm)	20.0 in (50.8 cm)
Length:	25.0 ft (7.62 m)	20.0 ft (5.08 m)	12.0 ft (3.65 m)
Weight $\pm 10\%$:	62.0 lbs (25.8 kg)	90.0 lbs (40.8 kg)	92.4 lbs (41.9 kg)
Density:	6.45 lbs/ft ³ (103.3 kg/m ³)	5.73 lbs/ft³ (91.8 kg/m ³)	3.53 lbs/ft ³ (56.5 kg/m ³)
#/Pallet:	14	10	14

Custom lengths available upon request



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