



EcoTec, Inc.

ENVIRONMENTAL CONSULTING SERVICES

102 Grove Street
Worcester, MA 01605-2629
508-752-9666 / Fax: 508-752-9494

September 27, 2016

Leicester Conservation Commission
Town Hall
3 Washburn Square
Leicester, MA 01524

Re: Request for Determination of Applicability
Subject Property: Stafford Street (Former Fournier-Gemme Lagoon)

Dear Commission Members:

Enclosed please find two (2) copies of a Request for Determination of Applicability ("RDA") and Pilot Test System Layout plan submitted on behalf of the Applicant: Adam Last, PE of Corporate Environmental Advisors, Inc. This RDA is filed under the Massachusetts Wetlands Protection Act and the Leicester Wetland Bylaw for the above-referenced property. This filing comprises:

- This cover letter;
- Plume Stop fact sheet (1 page);
- Municipal filing fee check (\$100);
- WPA Form 1;
- Certified Abutters Lists (Auburn & Leicester) and form of abutter notice;
- Pilot Test System Layout plan, dated September 27, 2016 (1 sheet);

A copy of this filing has been submitted by certified mail, return receipt requested to the Central Regional Office of the Department of Environmental Protection and to the property owner, as required.

The proposed project consists of additional remediation/clean-up of groundwater at the former Fournier-Gemme Lagoon site. As the Commission is aware, clean-up activities were last undertaken, at this site in 2008 and 2009, under an Order of Conditions issued for DEP file #197-499. The clean-up activities currently proposed consist of injecting a non-toxic, aqueous suspension of activated carbon into proposed wells within the buffer zone and into an existing well within the wetland. No wetland impacts are proposed and the location of access points, a staging area, existing and proposed wells and temporary control measures are depicted on the attached plan. A fact sheet pertaining to the "Plume Stop" activated carbon to be used is attached to this cover letter. Additional information on this product is available upon request.

We look forward to meeting with the Commission regarding this project. If you have any questions, please feel free to contact me at any time.

Sincerely,

Arthur Allen
Senior Environmental Scientist

AA/NOI/Gemme-Fournier RDAcover.doc

cc: DEP-CERO Wetlands & Waterways
George J. Gemme – property owner



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

Leicester
City/Town

WPA Form 1- Request for Determination of Applicability

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

A. General Information

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



1. Applicant:

Corporate Environmental Advisors

alast@cea-inc.com

Name

E-Mail Address

127 Hartwell Street, Suite 2

Mailing Address

West Boylston

MA

01583

City/Town

State

Zip Code

508-835-8822

508-835-8812

Phone Number

Fax Number (if applicable)

2. Representative (if any):

EcoTec, Inc.

Firm

Arthur Allen

aallen@ecotecinc.com

Contact Name

E-Mail Address

102 Grove Street

Mailing Address

Worcester

MA

01605

City/Town

State

Zip Code

508-752-9666, ext. 24

508-752-9494

Phone Number

Fax Number (if applicable)

B. Determinations

1. I request the Leicester make the following determination(s). Check any that apply:
Conservation Commission

- ☐ a. whether the **area** depicted on plan(s) and/or map(s) referenced below is an area subject to jurisdiction of the Wetlands Protection Act.
- ☐ b. whether the **boundaries** of resource area(s) depicted on plan(s) and/or map(s) referenced below are accurately delineated.
- ☒ c. whether the **work** depicted on plan(s) referenced below is subject to the Wetlands Protection Act.
- ☒ d. whether the area and/or work depicted on plan(s) referenced below is subject to the jurisdiction of any **municipal wetlands ordinance** or **bylaw** of:

Leicester

Name of Municipality

- ☐ e. whether the following **scope of alternatives** is adequate for work in the Riverfront Area as depicted on referenced plan(s).



WPA Form 1- Request for Determination of Applicability

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

C. Project Description

1. a. Project Location (use maps and plans to identify the location of the area subject to this request):

Stafford Street (Gemme/Fournier Lagoons)

Leicester

Street Address

City/Town

45

B6-0

Assessors Map/Plat Number

Parcel/Lot Number

- b. Area Description (use additional paper, if necessary):

The project area consists of a former hazardous waste disposal site. The site is subject to on-going monitoring and remediation/clean-up.

- c. Plan and/or Map Reference(s):

Pilot Test System Layout - Former Fournier/Gemme Lagoon Site, Figure 3

9/27/2016

Title

Date

Title

Date

Title

Date

2. a. Work Description (use additional paper and/or provide plan(s) of work, if necessary):

Clear vegetation from existing access roads in buffer zone. Drill new injection wells in buffer zone. Inject "Plume Stop" treatment into groundwater via new wells in buffer zone and via existing well within wetland. Only work within wetland is dragging hose, by hand, to access well GT-103D. No wetland disturbance proposed. Proposed work is depicted on attached Pilot Test System Layout plan.



WPA Form 1- Request for Determination of Applicability

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

C. Project Description (cont.)

b. Identify provisions of the Wetlands Protection Act or regulations which may exempt the applicant from having to file a Notice of Intent for all or part of the described work (use additional paper, if necessary).

Proposed disturbance within buffer zone only and only within areas previously disturbed for earlier remediation work. Hand work (dragging hoses in wetland) within wetland will not alter wetland. Temporary erosion barriers and other measures will ensure no wetland impact. 310 CMR 10.02(2)(b) permits the issuing authority to allow work, without a Notice of Intent, if it will not alter an Area Subject to Protection.

3. a. If this application is a Request for Determination of Scope of Alternatives for work in the Riverfront Area, indicate the one classification below that best describes the project.

- ☐ Single family house on a lot recorded on or before 8/1/96
- ☐ Single family house on a lot recorded after 8/1/96
- ☐ Expansion of an existing structure on a lot recorded after 8/1/96
- ☐ Project, other than a single family house or public project, where the applicant owned the lot before 8/7/96
- ☐ New agriculture or aquaculture project
- ☐ Public project where funds were appropriated prior to 8/7/96
- ☐ Project on a lot shown on an approved, definitive subdivision plan where there is a recorded deed restriction limiting total alteration of the Riverfront Area for the entire subdivision
- ☐ Residential subdivision; institutional, industrial, or commercial project
- ☐ Municipal project
- ☐ District, county, state, or federal government project
- ☐ Project required to evaluate off-site alternatives in more than one municipality in an Environmental Impact Report under MEPA or in an alternatives analysis pursuant to an application for a 404 permit from the U.S. Army Corps of Engineers or 401 Water Quality Certification from the Department of Environmental Protection.

b. Provide evidence (e.g., record of date subdivision lot was recorded) supporting the classification above (use additional paper and/or attach appropriate documents, if necessary.)



WPA Form 1- Request for Determination of Applicability

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

D. Signatures and Submittal Requirements

I hereby certify under the penalties of perjury that the foregoing Request for Determination of Applicability and accompanying plans, documents, and supporting data are true and complete to the best of my knowledge.

I further certify that the property owner, if different from the applicant, and the appropriate DEP Regional Office were sent a complete copy of this Request (including all appropriate documentation) simultaneously with the submittal of this Request to the Conservation Commission.

Failure by the applicant to send copies in a timely manner may result in dismissal of the Request for Determination of Applicability.

Name and address of the property owner:

George Gemme

Name

291 Prospect Street

Mailing Address

Auburn

City/Town

MA

State

01501

Zip Code

Signatures:

I also understand that notification of this Request will be placed in a local newspaper at my expense in accordance with Section 10.05(3)(b)(1) of the Wetlands Protection Act regulations.

Signature of Applicant

Date

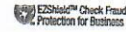
Signature of Representative (if any)

Date

17788

ECOTEC, INC.102 GROVE STREET
WORCESTER, MA 01605
(508) 752-9666

53-7102-2113



9/27/2016

PAY TO THE ORDER OF Town of Leicester

\$ **100.00

One Hundred and 00/100*****

DOLLARS

Town of Leicester



 A handwritten signature in cursive script.

 AUTHORIZED SIGNATURE

MEMO

RDA fee for the Gemme Lagoons Stafford St Leicest

ECOTEC, INC.Town of Leicester
688 · Project costs - Filing Fee

RDA fee for the Gemme Lagoons Stafford St Leicest

9/27/2016

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100.00

EcoTec Inc. - Bay Stat RDA fee for the Gemme Lagoons Stafford St Lei

100.00

ECOTEC, INC.Town of Leicester
688 · Project costs - Filing Fee

RDA fee for the Gemme Lagoons Stafford St Leicest

9/27/2016

17788

100.00

EcoTec Inc. - Bay Stat RDA fee for the Gemme Lagoons Stafford St Lei

100.00

Town of Auburn, Massachusetts

Julie A. Jacobson
Town Manager

Cynthia Cosgrove
Chief Assessor



Leicester Conservation Commission List of "Parties in Interest"

A "Party in Interest" is defined as any person whose property line touches the petitioner's property, including property directly opposite on public or private street or way, and owners of land within 300 feet of the property line as they appear on the most recent tax maps and list in the Town of Auburn, MA.

Note: Abutters in the Town of Auburn

Map: 29 Parcel: 6

Location: Stafford St

Assessed to: George J Gemme, 291 Prospect St, Auburn MA 01501

Signature:  Date: 9-26-16

29/ 4/ / /
SMOKERISE DEVELOPMENT CORP
417 HENREDON HILL
PEACHTREE CITY, GA 30269

29/ 5/ / /
SMOKERISE DEVELOPMENT CORP
417 HENREDON HILL
PEACHTREE CITY, GA 30269

36/ 4/ / /
BERGIN JOSEPH JR
PO BOX 486
HARDWICK, MA 01037

29/ 3/ / /
RACKI WILLIAM
RACKI LEONA R
340 ROCHDALE ST
AUBURN, MA 01501

29/ 6/ / /
GEMME GEORGE J
291 PROSPECT ST
AUBURN, MA 01501

36/ 2/ / /
BERGIN JOSEPH JR
PO BOX 486
HARDWICK, MA 01037

36/ 3/ / /
SDC REALTY LLC
67 DAWN ST
FAIRFIELD, CT 06824

Abutters List

ParcelID	Location	Owner	Co-Owner	Mailing Address	City	State	Zip
36 B3 0	705 STAFFORD ST	BRIARCLIFF ESTATES SV LLC		7 MAPLE AV	HOPKINTON	MA	01748
36 B4 0	757 STAFFORD ST	MAURY MARIA		757 STAFFORD ST	ROCHDALE	MA	01542
36 B5 0	755 STAFFORD ST	TOWN OF LEICESTER	TOWN HALL	3 WASHBURN SQUARE	LEICESTER	MA	01524
36 B6 0	753 STAFFORD ST	PARKE ANDREW M	PARKE STEPHANIE I	753 STAFFORD ST	ROCHDALE	MA	01542
36 B7 0	751 STAFFORD ST	FERREIRA RAILAN	GUIMARAES SERGIO	401 PLEASANT STREET	LEICESTER	MA	01524
45 B1.1 0	STAFFORD ST	LANGE SARA		62 MECHANIC STREET	SPENCER	MA	01562
45 B4 0	847 STAFFORD ST	WIRTANEN JR ROBERT L	WIRTANEN KIMBERLY A	P O BOX 293	ROCHDALE	MA	01542-0293
45 B5 0	845 STAFFORD ST	FERDINAND DENISE A	FERDINAND BENSON	845 STAFFORD STREET	ROCHDALE	MA	01542-0312
45 B6.10 0	777 STAFFORD ST	LAGNEUX HEIDIE L	BEDARD PAUL D	777 STAFFORD ST	CHERRY VALLEY	MA	01611
45 B6.12 0	781 STAFFORD ST	HOWARD MICHAEL D	HOWARD THERESA L	781 STAFFORD ST	ROCHDALE	MA	01542
45 B6.2 0	759 STAFFORD ST	POZZESSERE JULIE ANN TRUSTE	PRINCE AMY MARIE TRUSTI	759 STAFFORD ST	ROCHDALE	MA	01542
45 B6.3 0	761 STAFFORD ST	KOSTA REALTY LLC		51 RICHMOND AVENUE	WORCESTER	MA	01602
45 B6.4 0	763 STAFFORD ST	MYROVALIS DIMITRIOS	MYROVALIS THEODORA	763 STAFFORD STREET	ROCHDALE	MA	01542
45 B6.5 0	767 STAFFORD ST	FERDINAND DENISE A	FERDINAND BENSON	767 STAFFORD ST	ROCHDALE	MA	01542
45 B6.6 0	769 STAFFORD ST	WILKICKI CHARLES H	WILKICKI SUSAN L	769 STAFFORD ST	ROCHDALE	MA	01542
45 B6.8 0	773 STAFFORD ST	PREST JOHN F	PREST GAYLE E	773 STAFFORD ST	ROCHDALE	MA	01542
45 B7 0	WILSON ST	BERGIN JR JOSEPH D		P O BOX 486	HARDWICK	MA	01037
45 B8 0	WILSON ST	BERGIN JR JOSEPH D		P O BOX 486	HARDWICK	MA	01037 Double

End of Report

Note: Abutters in the Town of Auburn

Above is a certified list of abutters that border subject only.

Subject property: Stafford Street, Assessors Map 45-B6-0, Deed Ref. 6641/266

Subject owner: George Gemme

John Prescott, Principal Assessor

Prepared by: Kathleen Asquith, Assistant

**Notification of Abutters Under the
Massachusetts Wetlands Protection Act &
The Town of Leicester Wetland Bylaw**

In accordance with the second paragraph of Massachusetts General Laws Chapter 131, Section 40, you are hereby notified of the following:

- A. The name of the applicant is Corporate Environmental Advisors, Inc.
- B. The applicant has filed a Request for Determination of Applicability with the Conservation Commission for the municipality of Leicester seeking permission to perform additional clean-up of groundwater within and adjacent to an Area Subject to Protection Under the Wetlands Protection Act (General Laws Chapter 131, Section 40).
- C. The address where the planned activity will take place is the former Fournier-Gemme Lagoon site – off Stafford Street (west of houses at 751-757 Stafford Street).
- D. Copies of the Request for Determination of Applicability may be examined and obtained at EcoTec, Inc., 102 Grove Street, Worcester, MA, during regular business hours.

For more information call Arthur Allen at (508) 752-9666, ext. 24 or email him at aallen@ecotecinc.com

This is the applicant's representative.

- E. Information regarding the date, time and place of the public hearing may be obtained from EcoTec, Inc., by calling this telephone number (508) 752-9666 during regular business hours.

NOTE: Notice of the public hearing, including the date, time and place will be published at least five (5) days in advance in the *Worcester Telegram & Gazette*.

NOTE: Notice of the public hearing, including the date, time and place will be posted in the City or Town Hall not less than forty-eight (48) hours in advance.

NOTE: You also may contact your local Conservation Commission or the nearest Department of Environmental Protection Regional Office for more information about this application or the Wetlands Protection Act. To contact DEP, call:

DEP Central Region: 508-792-7650



PlumeStop liquid-based remediation substrate

PlumeStop provides remediation professionals with these additional benefits:

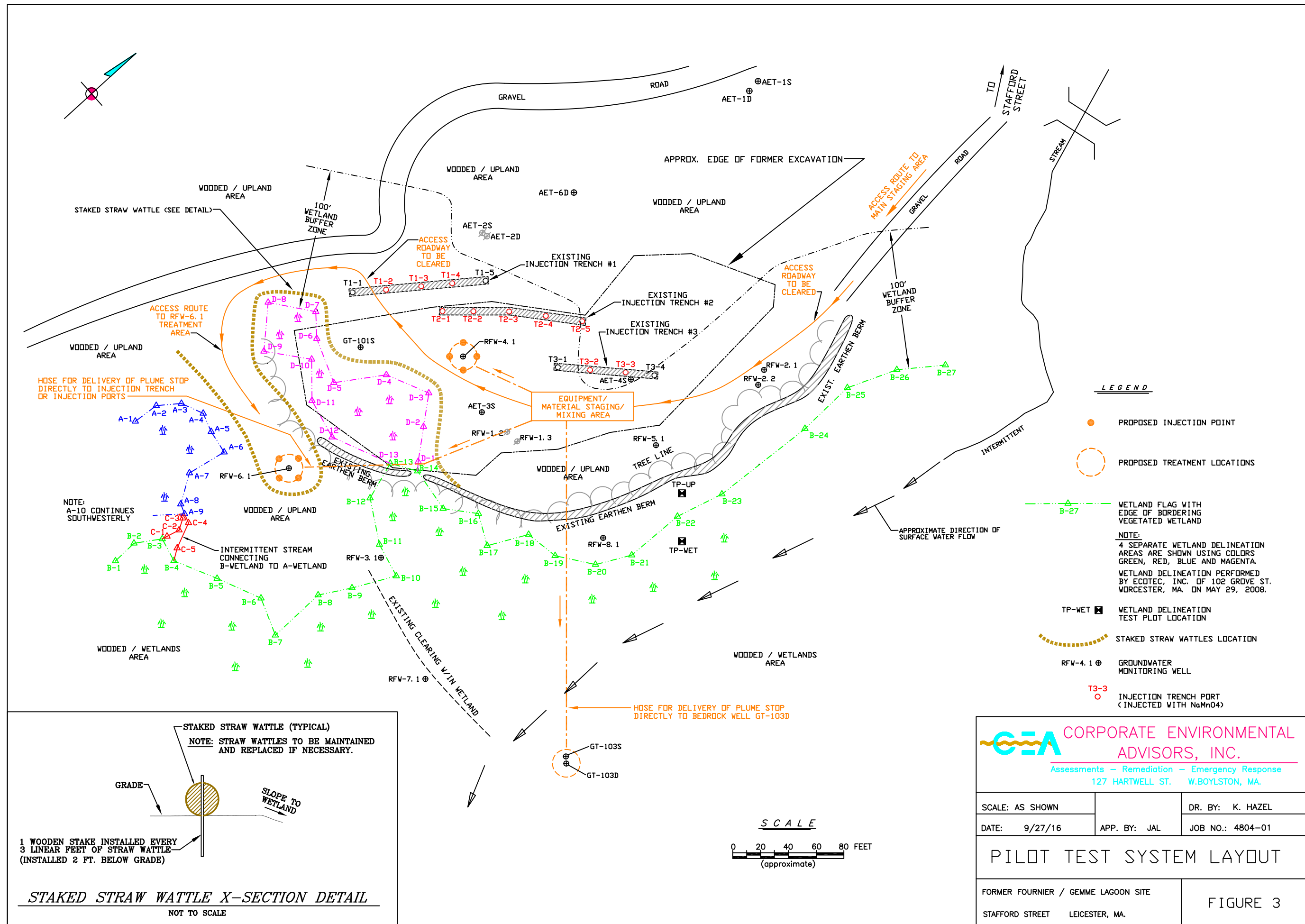
- Eliminates problematic back-diffusing contaminants and associated rebound
- Distributes widely into contaminated zones under low injection pressures (a clear advantage over hard to distribute, powdered activated carbon products)
- Effectively treats a range of petroleum and chlorinated hydrocarbons
- Packaged in liquid form for clean and simple subsurface injection


PlumeStop™ is an innovative, in situ remediation substrate which quickly and effectively treats contaminated groundwater. It does this through the use of highly dispersible, fast-acting, sorption-based technology which captures and concentrates dissolved-phase contaminants within its structure. Once contaminants are sorbed, biodegradation processes proceed at an accelerated rate.

PlumeStop is an environmentally friendly, patent-pending product based on the use of unique, biologically enriching polymers to suspend a colloidal-scale solid sorbent material. This highly dispersible sorbent pulls contaminants directly from groundwater and stimulates their biodegradation in situ.

Once in place PlumeStop is expected to last for decades with minimal impact on aquifer oxidation-reduction potential or geochemistry.

To learn more about PlumeStop visit plumestop.com or contact your local REGENESIS Remediation Technologies representative.





CORPORATE ENVIRONMENTAL
ADVISORS, INC.
Assessments – Remediation – Emergency Response
127 HARTWELL ST. W.BOYLSTON, MA.

SCALE: AS SHOWN		DR. BY: K. HAZEL
DATE: 9/27/16	APP. BY: JAL	JOB NO.: 4804-01

PILOT TEST SYSTEM LAYOUT

FORMER FOURNIER / GEMME LAGOON SITE STAFFORD STREET LEICESTER, MA.	FIGURE 3
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