



ENVIRONMENTAL  
ECOLOGICAL  
ENERGY  
SURVEY  
CIVIL

October 23, 2014  
Coneco Project No. 8477.0

Mr. Ross Povenmire – Director of Conservation  
Boxford Conservation Commission  
7A Spofford Road  
Boxford, Massachusetts 01921

**Re: Request for Determination of Applicability under the Massachusetts Wetlands Protection Act and the Town of Boxford Wetlands Protection Bylaw for the extension of a natural gas main and new gas services on Appleton Lane.**

Dear Mr. Povenmire and Commissioners:

On behalf of Boston Gas Company d/b/a National Grid (BGC), Coneco Engineers & Scientists, Incorporated is filing the attached Request for Determination of Applicability (RDA) for the proposed natural gas main extension to service four (4) existing residences on Appleton Lane in Boxford, Massachusetts. The gas main extension will occur primarily within the paved expanse of the right-of-way. The proposed construction activity is within the 100-Foot Buffer Zone associated with vegetated wetlands.

Enclosed please find the original and seven (7) copies of the RDA submittal. An electronic copy has also been emailed to you and we have filed the RDA with the Northeast Region of the Department of Environmental Protection (MassDEP NERO). We respectfully request that you place this matter on your agenda for the **November 6, 2014** public hearing.

If you have any questions or need additional copies of the documents please feel free to contact the undersigned at 508-962-7423 or [jaevazelis@coneco.com](mailto:jaevazelis@coneco.com).

Respectfully Submitted,

A handwritten signature in cursive script that reads "Amanda E. Neville".

Amanda E. Neville  
Environmental Scientist

A handwritten signature in cursive script that reads "John D. Aevazelis".

John D. Aevazelis  
Principal Environmental Scientist

cc: Boston Gas Company d/b/a National Grid  
MassDEP NERO

**REQUEST FOR DETERMINATION OF APPLICABILITY**

***Filed Under:***

**THE MASSACHUSETTS WETLANDS PROTECTION ACT  
(MGL CHAPTER 131 SECTION 40, WPA REGULATIONS 310 CMR 10.00)  
AND THE TOWN OF BOXFORD WETLANDS PROTECTION BYLAW**

***For:***

**NATURAL GAS MAIN EXTENSION AND SERVICE CONNECTIONS ON APPLETON LANE  
BOXFORD, MASSACHUSETTS**

***Property Of:***

Town of Boxford, Massachusetts  
Mr. Andrew W. Shyjan and Ms. Anne M. Shyjan  
Mr. Thomas M. Riley and Ms. Robyn R. Riley  
Ms. Roseann S. Errico  
Ms. Suzanne E. Rudnick

***Submitted To:***

Town of Boxford Conservation Commission  
7A Spofford Road, Boxford, Massachusetts 01921

***Submitted By:***

Boston Gas Company d/b/a National Grid (BGC)  
170 Medford Street, Malden, Massachusetts 02148

***Prepared by:***

Coneco Engineers & Scientists, Incorporated  
227 Chelmsford Street, Suite C, Chelmsford, Massachusetts 01824  
(978) 656-8684

October 23, 2014  
Coneco Project No. 8477.0



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## **1.0 PROJECT NARRATIVE**

### **1.1 Introduction**

This Request for Determination of Applicability (RDA) is being submitted by Coneco Engineers & Scientists, Incorporated (Coneco) on behalf of the Boston Gas Company d/b/a National Grid (BGC) for a proposed natural gas main and service installation along Appleton Lane, in the Town of Boxford, Middlesex County, Massachusetts (Refer to Figure 1 - Site Locus Map). This RDA is being filed pursuant to the Massachusetts Wetlands Protection Act (WPA; MGL Ch. 131 § 40) and Regulations (MWPR; 310 CMR 10.00 et seq.) and the Town of Boxford Wetlands Protection Bylaw (Bylaw) and Regulations (WPBR). Please refer to WPA Form 1, provided as Appendix 1.

The purpose of the 1,200± linear foot gas main extension is to provide service connections to four residences (No. 7, 8, 18, and 24) on Appleton Lane from an existing stub located in the right-of way (ROW) of Ipswich Road. A small portion of the proposed work is located within the 100-Foot Buffer Zone to Bordering Vegetated Wetland (BVW). In reviewing the proposed project with the Town of Boxford Conservation Agent, it was concluded that this work should be filed as an RDA.

### **1.2 Existing Site Conditions**

The project corridor consists of 1,200± linear feet (lf) of Appleton Lane, from Ipswich Road to the existing cul-de-sac, in the town of Boxford, Middlesex County, Massachusetts. Additionally four (4) service connections will be installed. Surrounding land uses include residential development and open space.

A review of the current MassGIS data layer for the Natural Heritage and Endangered Species Program's (NHESP) Massachusetts Natural Heritage Atlas (13<sup>th</sup> Edition, October 2008) indicates that the project corridor is not located within Estimated Habitat of Rare Wildlife or Priority Habitats of Rare Species. No certified vernal pools under the jurisdiction of the WPA or the Massachusetts Endangered Species Act (321 CMR 10.00 et seq.) occur on the site (See Figure 3 – NHESP Map).

According to the July 16, 2014 Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map for Essex County, Map Number 25009C0287G, the project corridor is not located within a FEMA Special Flood Hazard Area (Zone AE). Zone AE is an area ...*subject to inundation by the 1-percent-annual-chance flood event determined by detailed methods* (see Figure 4 – FEMA Map). According to 314 CMR 4.00, the project corridor does not fall within an area containing Outstanding Resource Waters.

Wetland resource areas are described in the following section. Photographs representative of existing site conditions are included in Appendix 2.

### **1.3 Wetland Resource Areas**

A Professional Wetland Scientist conducted a wetland reconnaissance along the project corridor on October 10, 2014 to identify wetlands, watercourses, and other resource areas subject to local, state, and federal jurisdiction. Areas within the immediate vicinity of the project corridor were made via field based observations. Areas within 200 feet of the project corridor were reviewed.

The reconnaissance was conducted in accordance with the WPA and Regulations; the Bylaw and Bylaw Regulations; and the Clean Water Act. Methods follow the technical guidance outlined in *Delineating Bordering Vegetated Wetlands Under the Massachusetts Wetlands Protection Act: A Handbook* (1995); the *Corps of Engineers Wetlands Delineation Manual* (1987); the *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region* (Version 2.0, 2012), and others, as applicable. One jurisdictional resource area was identified in the vicinity of the subject property: Bordering Vegetated Wetland (BVW)). The resource area is defined as follows:

*Bank – 310 CMR 10.54*

310 CMR 10.54 defines a Bank as *the portion of the land surface which normally abuts and confines a water body. It occurs between a water body and a vegetated bordering wetland and adjacent flood plain, or, in the absence of these, it occurs between a water body and an upland. The upper boundary of a Bank is the first observable break in the slope or the mean annual flood level, whichever is lower. The lower boundary of a Bank is the mean annual low flow level.*

*Bordering Vegetated Wetland – 310 CMR 10.55*

310 CMR 10.55 of the WPA defines bordering vegetated wetlands 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. The boundary of Bordering Vegetated Wetlands is the line within which 50% or more of the vegetational community consists of wetland indicator plants and saturated or inundated conditions exist. Wetland indicator plants are also those classified in the indicator categories of Facultative, Facultative+, Facultative Wetland-, Facultative Wetland, Facultative Wetland+, or Obligate Wetland in the National List of Plant Species That Occur in Wetlands: Massachusetts (Fish & Wildlife Service, U.S. Department of the Interior, 1988) or plants exhibiting physiological or morphological adaptations to life in saturated or inundated conditions.*

In addition to those resource areas described above, the Town of Boxford provides additional protections to resource areas through their Bylaw. Of applicability to this project is the 25-Foot No Disturbance Zone, which extends from any resource area, excluding buffer zones. The approximate locations of resource areas and buffer zones are shown in Figures 3, 4, and 5 and described below.

Wetland A

Wetland A is a BVW located along the westerly side of Appleton Lane, proximal to 7 Appleton Lane. The forested vegetative community is dominated by red maple (*Acer rubrum*), some American elm (*Ulmus americana*), a few tupelo (*Nyssa sylvatica*), some eastern hemlock (*Tsuga Canadensis*), sparse eastern white pine (*Pinus strobus*), sparse green ash (*Fraxinus pennsylvanica*), and northern red oak (*Quercus rubra*). The sapling story is quite sparse, and consists of some eastern white pine, red maple, tupelo, green ash, very sparse paper birch (*Betula papyrifera*), invasive glossy buckthorn (*Rhamnus frangula*), sparse eastern hemlock, and very sparse American elm.

The down-gradient shrub story is quite dense, and consists of a mix of common winterberry (*Ilex*

*verticillata*), the great majority is sweet or coast pepperbush (*Clethra alnifolia*), with some highbush blueberry (*Vaccinium corymbosum*) at the margins and in the open areas, sparse paper birch, very sparse tupelo, sparse eastern white pine, very sparse sassafras, and sparse invasive glossy buckthorn. The down-gradient herbaceous story is a mix of sweet or coast pepperbush (most of the stems), cinnamon fern (*Osmundastrum cinnamomeum*, formerly *Osmunda cinnamomea*), starflower (*Trientalis borealis*), poison ivy (*Toxicodendron radicans*), invasive Japanese barberry (*Berberis thunbergii*), white oak (*Quercus alba*), invasive Asian bittersweet (*Celastrus orbiculata*), sparse highbush blueberry, sparse eastern white pine, and very sparse sassafras.

The up-gradient overstory, where extant (there are lawns to portions north and south of the wetland area), is a mix of eastern white pine, northern red oak, sassafras, black oak (*Quercus velutina*), red maple, and American elm. The up-gradient shrub story is a mix of eastern white pine (plus some in the sapling story), highbush blueberry, sweet or coast pepperbush, invasive glossy buckthorn, eastern hemlock (plus some in the sapling story), Norway maple (*Acer platanoides*), and sparse American elm. The up-gradient herbaceous story is a mix of upland grasses along the roadway embankment, invasive Asian bittersweet, bracken fern (*Pteridium aquilinum*), invasive glossy buckthorn, sparse cinnamon fern, invasive multiflora rose (*Rosa multiflora*), eastern white pine, invasive Tartarian honeysuckle (*Lonicera tatarica*), poison ivy, raspberries (*Rubus* sp.), white oak, Princess-pine or tree-clubmoss (*Dendrolycopodium dendroideum*), formerly *Lycopodium obscurum*, and *Dendrolycopodium obscurum*), very sparse low-bush blueberry (*Vaccinium angustifolium*), sparse American starflower, Virginia creeper or woodbine (*Parthenocissus quinquefolia*), and sparse black cherry (*Prunus serotina*). There is some Virginia creeper or woodbine in the up-gradient vine story, along with some poison ivy.

#### Wetland B

Wetland B is a BVW located at the southerly end of Appleton Lane and is associated with the wetland complex around Fourmile Pond. The overstory of the BVW is only extant within tens of feet of the cul-de-sac, and is a mix of gray birch (*Betula populifolia*), red maple, pussy willow (*Salix discolor*), very sparse paper birch, and one northern red oak. The down-gradient shrub story is mostly sweet or coast pepperbush, with some gray birch, paper birch, invasive glossy buckthorn, highbush blueberry, red maple, speckled or black alder (*Alnus incana*), and very sparse eastern white pine.

The down-gradient herbaceous story includes royal fern (*Osmunda regalis*), sweet or coast pepperbush, sensitive fern (*Onoclea sensibilis*), cinnamon fern, sparse eastern white pine, and invasive glossy buckthorn.

The up-gradient overstory is a mix of northern red oak, black oak, eastern white pine, paper birch, and eastern hemlock. The upgradient shrub story is landscape common winterberry, highbush blueberry, sweet or coast pepperbush, crab apple (*Malus* sp.), eastern white pine, northern red oak, white oak and paper birch. The up-gradient herbaceous story is a mix of upland grasses, wild sarsaparilla (*Aralia nudicaulis*), sweet or coast pepperbush, Asian bittersweet, paper birch, crab apple, eastern white pine, sparse white oak, and very sparse striped wintergreen (*Chimaphila maculata*).

## **2.0 PROPOSED WORK DESCRIPTION**

### **2.1 Introduction**

The proposed natural gas main and service installation on Appleton Lane will connect the existing gas main stub within the ROW of Ipswich Road and extend approximately 1,200± lf south and east along Appleton Lane to service four (4) residences (House No's 7, 8, 18, and 24).

The gas main service line will then extend 110± lf west of the ROW to service House No. 7. This portion of the project will lie entirely within the 100-foot buffer zone to BVW. The gas main service line will extend 150± lf east of the ROW to service House No. 8. Approximately 75 lf of this portion of the project will lie within the 100-foot buffer zone. The gas main service line will extend 180± lf east of the ROW to service House No. 18. Approximately 40 lf of this portion of the project will lie within the 100-foot buffer zone. The gas main service line will then extend 350± lf east of the ROW to service House No. 24, with approximately 10 lf feet lying within the 100-foot buffer zone.

Proposed construction will occur entirely within the paved travel surface of Appleton Lane, excepting the service connections to the residences, which may occur within areas of asphalt driveways or maintained lawn and landscaping. All work is temporary in nature, and areas of disturbance will be restored to their pre-existing condition (to the extent practicable) following completion of work.

Based on GIS mapping and field observations, a portion of the main and four service connections will occur within the 100-Foot Buffer Zone to a BVW (See Figure 5 - Resource Area and BMP Map).

### **2.2 Erosion Control**

To guard against potential impacts from the gas main extension, erosion and sedimentation control Best Management Practices (BMP's) consisting of a straw wattles secured by wooden stakes (or an approved equivalent) will be installed between the proposed work area and adjacent resource areas, as necessary. In addition, silt sacks will be installed for inlet protection (e.g., catch basins), as necessary.

### **2.3 General Construction Details**

The following is a general construction sequence for the installation of the proposed natural gas main extension and service connections. The sequence of construction may vary as necessary to assure completion of the overall project.

General Construction Sequence:

1. Erosion controls will be installed at the site, as necessary.
2. Pavement will be saw cut to the dimensions of the excavation, as needed. This will vary from one to two feet in width with larger excavations at junctions or where ancillary equipment will be installed.
3. Soil will be excavated to a depth of two to three feet and either sidecast (deposited temporarily adjacent to the excavation) onsite or into a dump truck.
4. A gravel bed will be laid within the trench to cradle the pipe.
5. New pipe will be laid in the trench and connected to existing main.
6. The trench will be backfilled either with the excavated soil or with clean fill as necessary. During this process, caution tape is left above the pipe to alert future workers of the existence of the pipe.
7. The road will be repaired, following existing contours and landscaped/grassed areas will be filled to grade and re-seeded.
8. Project area cleanup and erosion control removal will include proper disposal of any surplus soil or other materials.

### **3.0 REGULATORY COMPLIANCE**

As noted in the previous section, proposed work will result in temporary impacts within the 100-Foot Buffer Zone to vegetated wetlands.

Proposed work qualifies as a Limited Project under 310 CMR 10.53(3)(d) of the WPA regulations: *The construction, reconstruction, operation and maintenance of underground and overhead utilities, such as...natural gas lines, may be permitted...* As such, the project is required to meet associated performance standards only to the extent practicable. It is also important to reiterate that all work is temporary in nature, and that all areas of disturbance will be returned to their pre-existing condition (to the extent practicable) following completion of work. With the use of appropriate erosion and sediment control BMP's, no adverse effect is anticipated relative to any resource area or buffer zone.

### **4.0 SUMMARY**

A 1,200± If natural gas main and service installation is being proposed along Appleton Lane from Ipswich Road to the existing cul-de-sac at the southerly end of Appleton Lane. The purpose of this project is to provide new gas services to four residences along Appleton Lane. A portion of the project lies within the 100-Foot Buffer Zone to bordering vegetated wetlands. Proposed work qualifies as a Limited Project under 310 CMR 10.53(3)(d) of the Wetlands Protection Act. Given this designation, the nature of proposed work, and the proposed used of erosion and sedimentation control BMP's to protect adjacent resource areas during construction, Coneco (on behalf of BGC) respectfully requests that the Town of Boxford Conservation Commission issue a Negative Determination (boxes c and d), allowing the gas main extension to proceed as proposed.



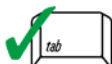


# WPA Form 1- Request for Determination of Applicability

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:

Boston Gas Company d/b/a National Grid (BGC) beverly.auxford-paiva@nationalgrid.com  
 Name E-Mail Address  
170 Medford Street  
 Mailing Address  
Malden MA 02148  
 City/Town State Zip Code  
508-922-6309  
 Phone Number  
 Fax Number (if applicable)

2. Representative (if any):

Coneco Engineers & Scientists, Incorporated  
 Firm  
John Aevazelis jaevazelis@coneco.com  
 Contact Name E-Mail Address  
227 Chelmsford Street, Suite C  
 Mailing Address  
Chelmsford MA 01824  
 City/Town State Zip Code  
508-962-7423 508-697-5996  
 Phone Number Fax Number (if applicable)

## B. Determinations

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

- 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:

Boxford  
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):

Appleton Lane Street Address	Boxford City/Town
Road Right-of-Way and Map 19 Assessors Map/Plat Number	32, 37,38,39 Parcel/Lot Number

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

The gas main extension project is located along the entirety of Appleton Lane, proximal to the intersection with Ipswich Road, and portions of four residential properties. Areas immediately surrounding the project corridor predominantly consist of residential development.

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

Figures 1 through 5 as noted in the Table of Contents Title	October 23, 2014 Date
_____ Title	_____ Date
_____ Title	_____ Date

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

The project proposes installation of approximately one thousand two hundred (1,200) linear feet of natural gas main to service four (4) single family residences on Appleton Lane. See RDA narrative for additional details.



## 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).

Limited Project provisions, 310 CMR 10.53(3)(d): The construction, reconstruction, operation and maintenance of underground and overhead public utilities, such as...natural gas lines, may be permitted...

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.)

N/A



## 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:

Town of Boxford

Name

7A Spofford Road

Mailing Address

Boxford

City/Town

MA

State

01921

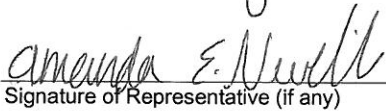
Zip Code

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

10/14/14  
Date

  
Signature of Representative (if any)

10/14/14  
Date




**Photo 1**  
View of the northern portion of the project corridor within the roadway ROW to Appleton Lane, looking south.



**Photo 2**  
View of Wetland A, located along the western side of Appleton Lane proximal to House No. 7, looking west from Appleton Lane.



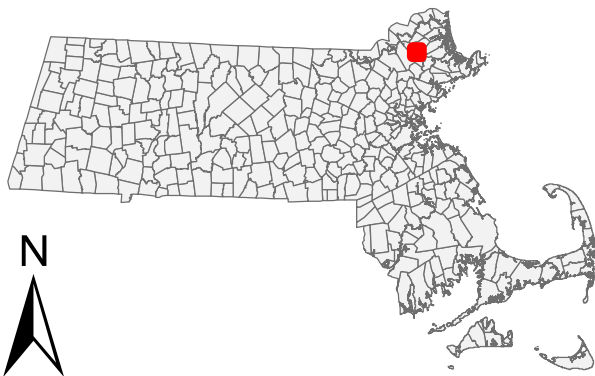
**Photo 3**  
View of Wetland B, located at the southerly end of Appleton Lane, looking southwest.

			<b>PROPOSED GAS MAIN EXTENSION APPLETON LANE BOXFORD, MASSACHUSETTS</b>
<b>PHOTOGRAPHER</b>	<b>DATE</b>	<b>CHECKED</b>	<b>FILE NO.</b>
AEN	10/5/14	JDA	Y:\\8477.0\PHOTOS\8477.0- PHOTOS.DOC





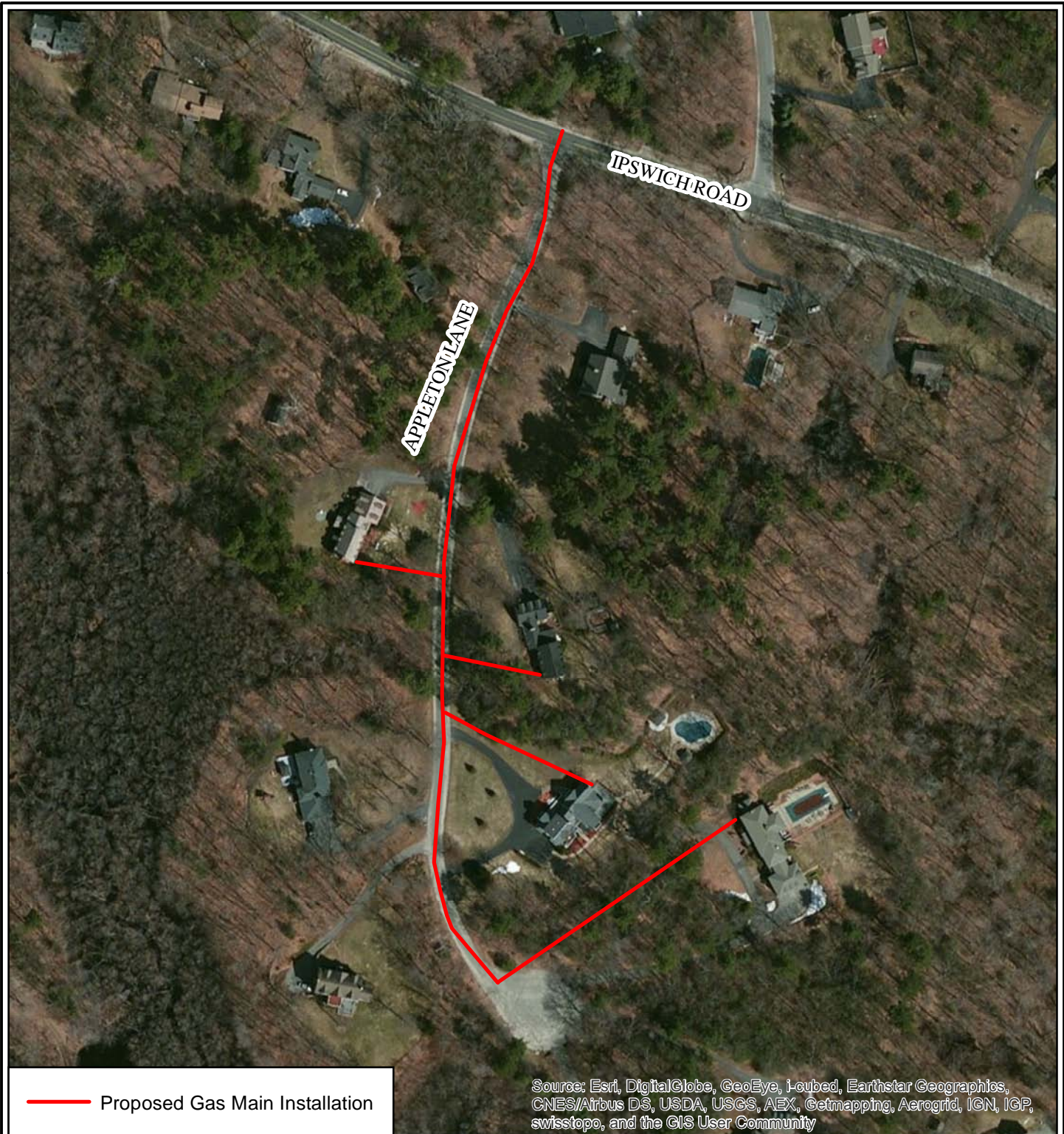
LONGITUDE: 42° 41' 21"  
 LATITUDE: 71° 00' 43"



SITE LOCUS MAP  
 Proposed Gas Main Installation  
 Appleton Lane  
 Boxford, Massachusetts

SCALE	PROJECT NO.	FIGURE
1:25,000	8477.0	1





Source: Esri, DigitalGlobe, GeoEye, i-cubed, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

— Proposed Gas Main Installation



Boston Gas Company  
d/b/a

**nationalgrid**

FIGURE 2

AERIAL IMAGE

Proposed Gas Main Installation  
Appleton Lane  
Boxford, Massachusetts

SCALE	PROJECT NO.	MAP BY
1" = 175'	8477.0	CONECO Engineers & Scientists





- Potential Vernal Pools
- Certified Vernal Pools
- Proposed Gas Main Installation
- NHESP Priority Habitats of Rare Species
- NHESP Estimated Habitats of Rare Wildlife

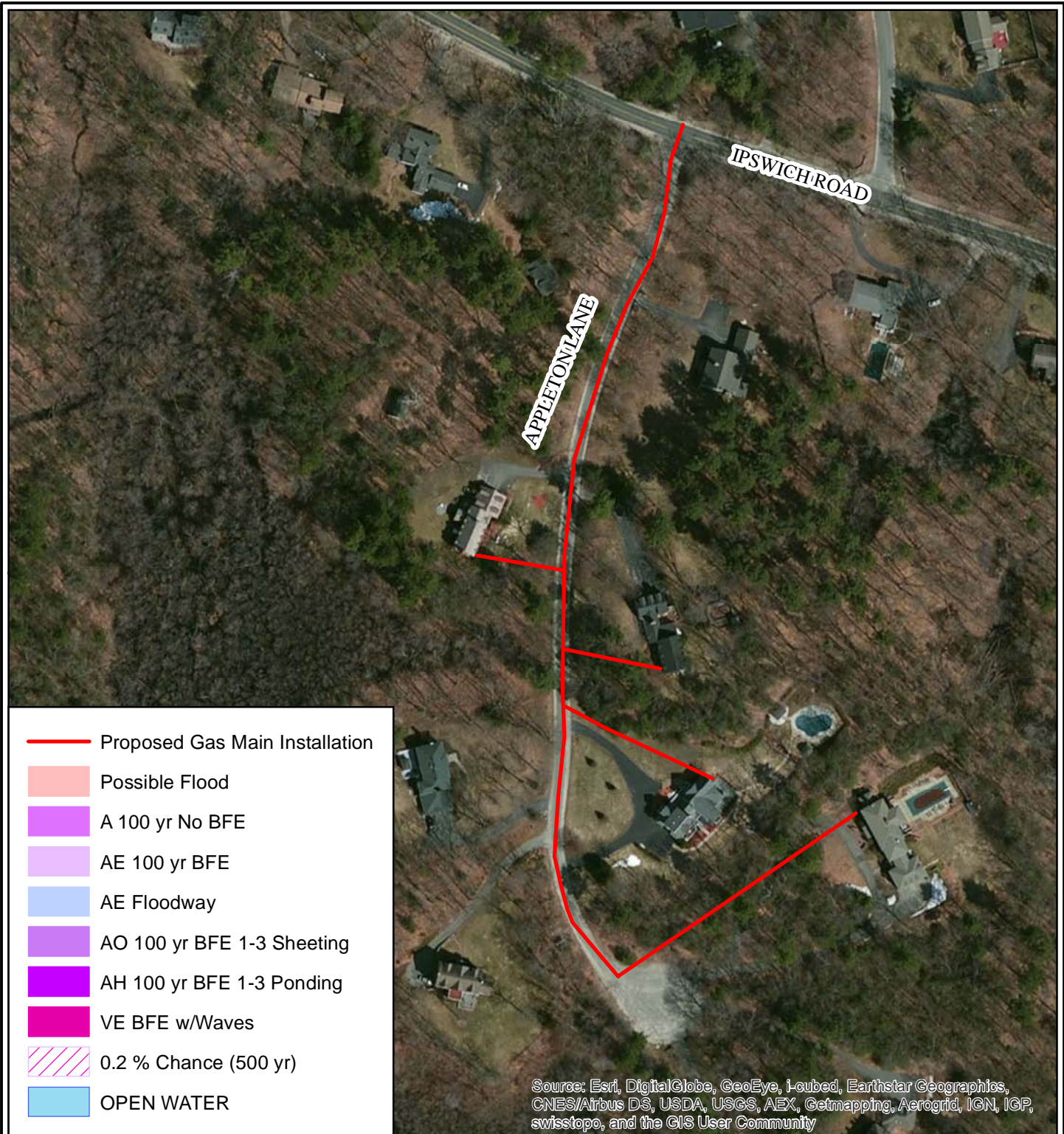


Boston Gas Company  
d/b/a  
**nationalgrid**  
FIGURE 3

NHESP MAP  
Proposed Gas Main Installation  
Appleton Lane  
Boxford, Massachusetts

SCALE	PROJECT NO.	MAP BY
1" = 175'	8477.0	



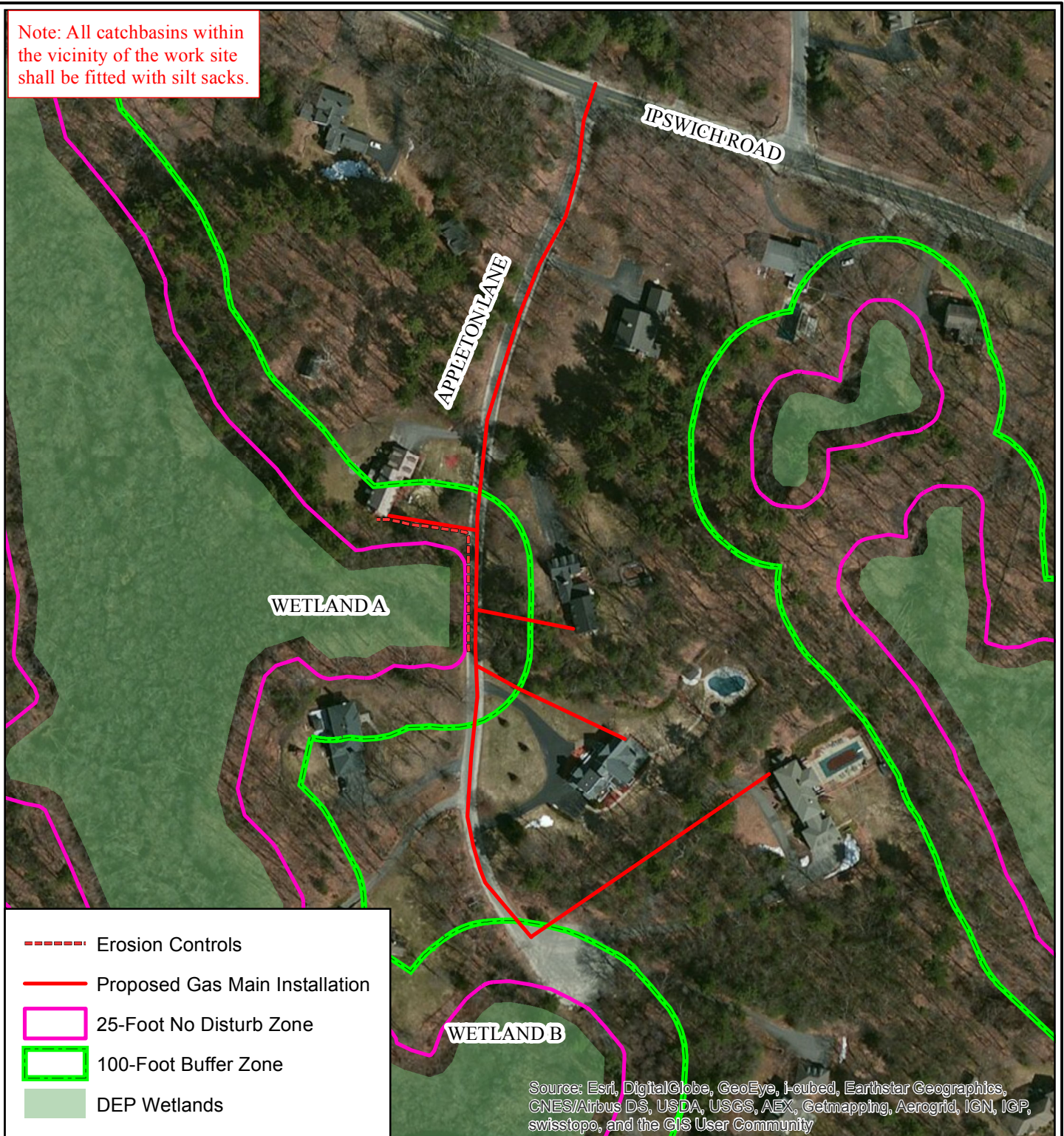


Boston Gas Company  
d/b/a  
**nationalgrid**  
FIGURE 4

<b>FEMA MAP</b> Proposed Gas Main Installation Appleton Lane Boxford, Massachusetts		
SCALE	PROJECT NO.	MAP BY
1" = 175'	8477.0	



Note: All catchbasins within the vicinity of the work site shall be fitted with silt sacks.



- - - - - Erosion Controls
- Proposed Gas Main Installation
- 25-Foot No Disturb Zone
- 100-Foot Buffer Zone
- DEP Wetlands

Source: Esri, DigitalGlobe, GeoEye, i-cubed, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community




Boston Gas Company  
d/b/a  
**nationalgrid**

FIGURE 5

RESOURCE AREA AND BMP MAP

Proposed Gas Main Installation  
Appleton Lane  
Boxford, Massachusetts

SCALE	PROJECT NO.	MAP BY
1" = 175'	8477.0	 <b>CONECO</b> Engineers & Scientists



TOWN OF BOXFORD

ABUTTER LIST

PARCEL # 19-2-32 ~ 7 APPLETON LANE ~ CONSERVATION COMMISSION 250'

Map/Lot	Location	Owner	Owner 2	Owner Address	Owner City/Town	Owner State	Zip Code
(19-2-29)	175 HERRICK RD	ALLISON CHRISTINE A	ALLISON SEWARD	175 HERRICK RD	BOXFORD	MA	01921
(19-2-13)	HERRICK RD	BTA/BOLT INC		P O BOX 95	BOXFORD	MA	01921
(19-2-30)	173 HERRICK RD	DEMARCHE THOMAS E JT	CAMERON MC WEENY	173 HERRICK RD	BOXFORD	MA	01921
(19-2-38)	18 APPLETON LN	ERRICO ROSEANN S TR	ERRICO REALTY TRUST	18 APPLETON LN	BOXFORD	MA	01921
(19-2-34)	21 APPLETON LN	HALL JEFFREY C	HALL MARGARET E	21 APPLETON LN	BOXFORD	MA	01921
(19-2-33)	19 APPLETON LN	HALL WILLIAM T	DUMAS JENNIFER	19 APPLETON LN	BOXFORD	MA	01921
(19-2-28)	294 IPSWICH RD	NIU XIAO LIN	HUANG LI LI	294 IPSWICH RD	BOXFORD	MA	01921
(19-2-32)	7 APPLETON LN	O'HEIR LIAM	O'HEIR DANIELLE	7 APPLETON LN	BOXFORD	MA	01921
(19-2-31)	APPLETON LN	RICKLEFS JOYCE G		282 IPSWICH RD	BOXFORD	MA	01921
(19-2-26)	282 IPSWICH RD	RICKLEFS JOYCE G		282 IPSWICH RD	BOXFORD	MA	01921
(19-2-39)	8 APPLETON LN	RILEY THOMAS M	RILEY ROBYN R	8 APPLETON LN	BOXFORD	MA	01921
(19-2-27)	284 IPSWICH RD	SCOPA WILLIAM R JT	CHRISTINE E SPYROPOU	284 IPSWICH RD	BOXFORD	MA	01921
(19-2-14)	4 APPLETON LN	WHEELER DONNA E	WHEELER ROBERT B	4 APPLETON LN	BOXFORD	MA	01921

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*Jan Silva*

OCTOBER 14, 2014

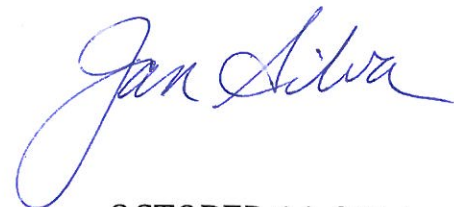
TOWN OF BOXFORD

ABUTTER LIST

PARCEL # 19-2-37 ~ 24 APPLETON LANE ~ CONSERVATION COMMISSION 250'

Map/Lot	Location	Owner	Owner 2	Owner Address	Owner City/Town	Owner State	Zip Code
(19-2-25)	276 IPSWICH RD	BUCCIERI CAROLINE TE	BUCCIERI SALVATORE	276 IPSWICH RD	BOXFORD	MA	01921
(19-2-15.13)	270 IPSWICH RD	CLARK DANIEL G	CLARK KELLY	270 IPSWICH RD	BOXFORD	MA	01921
(19-2-15.6)	19 FIELDSTONE WAY	DALEY SUSAN H TE	BELL JOHN R	19 FIELDSTONE WAY	BOXFORD	MA	01921
(19-2-38)	18 APPLETON LN	ERRICO ROSEANN S TR	ERRICO REALTY TRUST	18 APPLETON LN	BOXFORD	MA	01921
(19-2-15.12)	258 IPSWICH RD	FERRANTE JOHN J		258 IPSWICH RD	BOXFORD	MA	01921
(19-2-34)	21 APPLETON LN	HALL JEFFREY C	HALL MARGARET E	21 APPLETON LN	BOXFORD	MA	01921
(19-2-33)	19 APPLETON LN	HALL WILLIAM T	DUMAS JENNIFER	19 APPLETON LN	BOXFORD	MA	01921
(19-2-24)	274 IPSWICH RD	MC GARRY NICHOLAS A J	MC GARRY MARCIA C	274 IPSWICH RD	BOXFORD	MA	01921
(19-2-39)	8 APPLETON LN	RILEY THOMAS M	RILEY ROBYN R	8 APPLETON LN	BOXFORD	MA	01921
(19-2-37)	24 APPLETON LN	RUDNICK SUZANNE E	C/O SCHRIEBER ASSOC	24 APPLETON LN	BOXFORD	MA	01921
(19-2-35)	35 APPLETON LN	SILVERMAN JOAN TR	TRUST	35 APPLETON LN	BOXFORD	MA	01921
(19-2-15.5)	23 FIELDSTONE WAY	SMITH TIMOTHY M TE	SMITH KELLY K	23 FIELDSTONE WAY	BOXFORD	MA	01921
(19-2-36)	26 APPLETON LN	DUPUIS RICHARD	DUPUIS KELLI	26 APPLETON LN	BOXFORD	MA	01921

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TOWN OF BOXFORD  
ABUTTER LIST

PARCEL # 19-2-38 ~ 18 APPLETON LANE ~ CONSERVATION COMMISSION 250'

Map/Lot	Location	Owner	Owner 2	Owner Address	Owner City/Town	Owner State	Zip Code
(19-2-25)	276 IPSWICH RD	BUCCIERI CAROLINE TE	BUCCIERI SALVATORE	276 IPSWICH RD	BOXFORD	MA	01921
(19-2-15.13)	270 IPSWICH RD	CLARK DANIEL G	CLARK KELLY	270 IPSWICH RD	BOXFORD	MA	01921
(19-2-15.6)	19 FIELDSTONE WAY	DALEY SUSAN H TE	BELL JOHN R	19 FIELDSTONE WAY	BOXFORD	MA	01921
(19-2-38)	18 APPLETON LN	ERRICO ROSEANN S TR	ERRICO REALTY TRUST	18 APPLETON LN	BOXFORD	MA	01921
(19-2-34)	21 APPLETON LN	HALL JEFFREY C	HALL MARGARET E	21 APPLETON LN	BOXFORD	MA	01921
(19-2-33)	19 APPLETON LN	HALL WILLIAM T	DUMAS JENNIFER	19 APPLETON LN	BOXFORD	MA	01921
(19-2-24)	274 IPSWICH RD	MC GARRY NICHOLAS A J	MC GARRY MARCIA C	274 IPSWICH RD	BOXFORD	MA	01921
(19-2-32)	7 APPLETON LN	O'HEIR LIAM	O'HEIR DANIELLE	7 APPLETON LN	BOXFORD	MA	01921
(19-2-39)	8 APPLETON LN	RILEY THOMAS M	RILEY ROBYN R	8 APPLETON LN	BOXFORD	MA	01921
(19-2-37)	24 APPLETON LN	RUDNICK SUZANNE E	C/O SCHRIEBER ASSOC	24 APPLETON LN	BOXFORD	MA	01921
(19-2-35)	35 APPLETON LN	SILVERMAN JOAN TR	TRUST	35 APPLETON LN	BOXFORD	MA	01921
(19-2-36)	26 APPLETON LN	DUPUIS RICHARD	DUPUIS KELLI	26 APPLETON LN	BOXFORD	MA	01921
(19-2-14)	4 APPLETON LN	WHEELER DONNA E	WHEELER ROBERT B	4 APPLETON LN	BOXFORD	MA	01921

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*Jan Silva*

OCTOBER 14, 2014

TOWN OF BOXFORD  
 ABUTTER LIST  
 PARCEL # 19-2-39 ~ 8 APPLETON LANE ~ CONSERVATION COMMISSION 250'

Map/Lot	Location	Owner	Owner 2	Owner Address	Owner City/Town	Owner State	Zip Code
(19-2-25)	276 IPSWICH RD	BUCCIERI CAROLINE TE	BUCCIERI SALVATORE	276 IPSWICH RD	BOXFORD	MA	01921
(19-2-15.13)	270 IPSWICH RD	CLARK DANIEL G	CLARK KELLY	270 IPSWICH RD	BOXFORD	MA	01921
(19-2-15.6)	19 FIELDSTONE WAY	DALEY SUSAN H TE	BELL JOHN R	19 FIELDSTONE WAY	BOXFORD	MA	01921
(19-2-38)	18 APPLETON LN	ERRICO ROSEANN S TR	ERRICO REALTY TRUST	18 APPLETON LN	BOXFORD	MA	01921
(19-2-15.12)	258 IPSWICH RD	FERRANTE JOHN J		258 IPSWICH RD	BOXFORD	MA	01921
(19-2-34)	21 APPLETON LN	HALL JEFFREY C	HALL MARGARET E	21 APPLETON LN	BOXFORD	MA	01921
(19-2-33)	19 APPLETON LN	HALL WILLIAM T	DUMAS JENNIFER	19 APPLETON LN	BOXFORD	MA	01921
(19-2-24)	274 IPSWICH RD	MC GARRY NICHOLAS A J	MC GARRY MARCIA C	274 IPSWICH RD	BOXFORD	MA	01921
(19-2-32)	7 APPLETON LN	O'HEIR LIAM	O'HEIR DANIELLE	7 APPLETON LN	BOXFORD	MA	01921
(19-2-31)	APPLETON LN	RICKLEFS JOYCE G		282 IPSWICH RD	BOXFORD	MA	01921
(19-2-39)	8 APPLETON LN	RILEY THOMAS M	RILEY ROBYN R	8 APPLETON LN	BOXFORD	MA	01921
(19-2-37)	24 APPLETON LN	RUDNICK SUZANNE E	C/O SCHRIEBER ASSOC	24 APPLETON LN	BOXFORD	MA	01921
(19-2-14)	4 APPLETON LN	WHEELER DONNA E	WHEELER ROBERT B	4 APPLETON LN	BOXFORD	MA	01921

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