

**Utility Line Extension**  
**Town Beach Road, Leicester, MA**  
**Request for Determination of Applicability**

**Town of Leicester**  
**Conservation Commission**  
**December 2018**

Prepared for:  
Massachusetts Electric Company d/b/a National Grid  
40 Sylvan Road  
Waltham, MA 02451

BSC Project No. 89575.19

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Prepared by:



33 Waldo Street  
Worcester, MA 01608

December 4, 2018

Leicester Conservation Commission  
Attn: Steve Parretti, Chair  
3 Washburn Square  
Leicester, MA 01524

**RE: Request for Determination of Applicability  
Utility Line Extension – Town Beach Road, Leicester, MA  
Massachusetts Electric Company**

Dear Members of the Leicester Conservation Commission:

On behalf of the Massachusetts Electric Company d/b/a National Grid (MECO), BSC Group, Inc. (BSC) is pleased to submit this Request for Determination of Applicability (RDA) under the Town of Leicester Wetlands Protection Bylaw and Regulations (Bylaw) for the replacement of one (1) existing utility pole and installation of four (4) new utility poles and associated anchors along Town Beach Road in Leicester, MA (the Project). Project activities will occur only within the 100-foot Buffer Zone to Inland Bank associated with an intermittent stream. No work will occur within the locally-regulated 25-foot No-Disturb Zone. The Project is necessary to allow MECO to provide continuous, reliable electrical service to Burncoat Town Park, located at the end of Town Beach Road.

This installation of the four (4) new direct embed utility poles along an existing roadway/driveway is considered an exempt minor activity in accordance with the provisions of the Massachusetts Wetlands Protection Act (WPA) (MGL Ch. 131 S.40) and implementing regulations (310 CMR 10.02 (2)(b)(2)(h))<sup>1</sup>. However, the Town of Leicester Wetlands Protection and Regulations Bylaw does not recognize this exemption. Additionally, one (1) existing utility pole which will be replaced as part of this Project is considered an exempt utility maintenance activity under 310 CMR 10.02(2)(a)(2) and Section 4 of the Bylaw, provided that notification is given to the Commission. Therefore, this letter serves as notification to perform exempt utility maintenance activities, and a Request for a Negative Determination under the Town of Leicester Wetlands Protection Bylaw and Regulations to allow the Project to proceed as described herein.

## **EXISTING CONDITIONS**

A desktop analysis of environmental resources was performed using available GIS data layers (e.g., MassDEP wetlands, FEMA National Flood Hazard Mapping). Additionally, a site visit was conducted in November 2018 to confirm the presence of resource areas in relation to Project activities. Based on this information, Project activities will be located within the 100-foot Buffer Zone to Inland Bank associated with an intermittent stream. The stream runs roughly parallel to Town Beach Road and drains to the south into Burncoat Pond. No work is proposed within the locally-regulated 25-foot No Disturb Zone. The new poles will be installed adjacent to the roadway within its existing disturbed shoulder. Surrounding areas

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<sup>1</sup> The regulations include an exemption for the direct embed installation of utility poles within 10 feet of the existing road shoulder if the activity is greater than 10 feet from Inland Bank or BVW.

Engineers  
Environmental  
Scientists  
Custom Software  
Developers  
Landscape  
Architects  
Planners  
Surveyors



primarily consist of wooded uplands associated with Burncoat Town Park and Burncoat Pond Wildlife Refuge.

No other sensitive resource areas were identified within the Project area including Bordering Land Subject to Flooding, Natural Heritage Endangered Species Program (NHESP) mapped Priority or Estimated Habitat for rare species, Certified or Potential Vernal Pools, or Areas of Critical Environmental Concern.

## **PROPOSED WORK DESCRIPTION**

MECO is proposing to install four (4) new utility poles (P220-8, P220-9, P220-10, and P220-11) and associated anchors along the roadway shoulder of Town Beach Road in Leicester, MA. Existing P220-7 will also be replaced within its current location. Please refer to the Environmental Resources Map in Attachment B for a depiction of the location of the proposed activities. The proposed poles will be installed along the existing disturbed roadway shoulder, and it is anticipated that all work will occur from the roadway surface of Town Beach Road. Although no tree removals are anticipated, some tree trimming may be required for the proposed installation; however, this work will be performed by MECO's customer (Town of Leicester), and is therefore not included as part of this application.

The proposed poles along Town Beach Road will be installed by auguring a hole to a depth of approximately six (6) feet. The poles will be directly embedded into the ground and displaced soils will be used to backfill the hole. Anchors will be helical (screw) driven anchors, which require no excavation. Any excess spoils will be removed from the Buffer Zone and disposed of properly. Each pole will result in no more than four (4) square feet of ground disturbance, and overall, the Project will take approximately a day to complete. Work will occur within the 100-foot Buffer Zone to Inland Bank only. No direct impacts are proposed to resource areas as a result of this Project, and disturbed areas will be restored to their previous condition.

The following sections describe the appropriate construction methods and BMPs that will be utilized throughout the duration of the Project to prevent impacts to resource areas.

## **Construction Methods and Proposed Mitigation Techniques**

### Erosion and Sediment Controls

Ground disturbance associated with the Project will be minimal and limited to auguring a hole for the four (4) new poles. Displaced soil will be managed away from resource areas and will either be used as backfill or disposed of appropriately off-site. Prior to ground disturbing activities, sediment and erosion controls will be installed as needed to serve as a physical boundary to delineate work areas and contain construction activities within approved locations. Proposed erosion and sediment control measures may include fiber rolls, straw or haybale barriers, straw wattles, or similar measures. Please refer to Attachment D for BMPs that may be used as part of the Project.

### Stormwater Management

There will be no change in grade or surface type as a result of the Project, therefore, additional stormwater management will not be required.



### Restoration

Disturbed areas will be stabilized restored to pre-existing conditions, to the extent practicable, upon completion of the Project. All construction materials, vehicles, and non-biodegradable sediment controls will be removed from the site upon completion of work.

### **CONCLUSION**

Project activities are limited to the installation of four (4) new utility poles within the 100-foot Buffer Zone to Inland Bank. Throughout the Project, BMPs will be implemented to reduce the risk of potential impacts to resource areas, and disturbed areas will be restored upon completion of construction. Therefore, MECO is seeking a Negative Determination from the Leicester Conservation Commission under the Bylaw to allow the Project to proceed.

Enclosed please find two (2) copies of the RDA and attachments and five (5) copies of the Environmental Resources Map. A check for \$100 in accordance with the Bylaw filing fee requirement for commercial projects has also been included. We respectfully request that this matter be heard at the next scheduled Conservation Commission hearing.

If you have any questions regarding the enclosed information, please contact me at (617) 896-4526 or Jaime Walker of MECO at (781) 907-1495. Thank you for your consideration in this matter.

Sincerely,

BSC Group, Inc.

Kaitlyn Rimol  
Ecological Scientist

cc: Jaime Walker, MECO

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Town Beach Road, Leicester, MA  
Request for Determination of Applicability

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# Attachment A

Utility Line Extension  
Town Beach Road, Leicester, MA  
Request for Determination of Applicability

WPA FORM 1



# Massachusetts Department of Environmental Protection

Bureau of Resource Protection - Wetlands

Leicester

City/Town

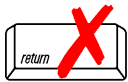
## WPA Form 1- Request for Determination of Applicability

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:

Massachusetts Electric Company, attn: Jaime Walker

jaime.walker@nationalgrid.com

Name

E-Mail Address

40 Sylvan Road, E2.476

Mailing Address

Waltham

MA

02451

City/Town

State

Zip Code

781-907-1495

Phone Number

Fax Number (if applicable)

2. Representative (if any):

BSC Group, Inc.

Firm

Kaitlyn Rimol

KRimol@bscgroup.com

Contact Name

E-Mail Address

33 Waldo Street

Mailing Address

Worcester

MA

01608

City/Town

State

Zip Code

617-896-4526

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).



**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

**C. Project Description**

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

Town Beach Road

Street Address

18

Assessors Map/Plat Number

Leicester

City/Town

A2 0

Parcel/Lot Number

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

The area surrounding Town Beach Road consists of wooded conservation land associated with the Burncoat Pond Wildlife Sanctuary. Burncoat Park/Town Park is located at the end of the roadway and consists of maintained recreational fields. An intermittent stream, to the west of Town Beach Road, runs roughly parallel to the roadway.

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

USGS Site Locus Map

Title

11-20-18

Date

Environmental Resources Map

Title

12-3-18

Date

Title

Date

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

The project includes the the installation of four (4) new utility poles (P220-8, P220-9, P220-10, and P220-11) and associated anchors along Town Beach Road in Leicester, MA to provide electrical service to the property. Best Management Practices will be implemented to protect adjacent resource areas and disturbed areas will be stabilized upon completion of the activities.





**Massachusetts Department of Environmental Protection**

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**WPA Form 1- Request for Determination of Applicability**

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

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**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).

310 CMR 10.02(2)(b)(2)(h) considers the installation of direct embed utility poles within 10-feet of the existing paved roadway or shoulder, (and greater than 10 feet from BVW), to be an exempt minor Buffer Zone activity. However, the Town of Leicester Wetlands Protection Bylaw and Regulations does not recognize this exemption.

310 CMR 10.02(2)(a)(2) considers exempt "activities considered to maintain, repair, or replace, but not substantially change or enlarge an existing and lawfully located structure or facility used in the service of the public and used to provide electric..."

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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.)

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**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

**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:

N/A - Electrical Utility Easement

Name

Mailing Address

City/Town

State

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.

*Shirley Walker*

Signature of Applicant

12-4-2018

Date

*Kathryn R. O.*

Signature of Representative (if any)

12-4-2018

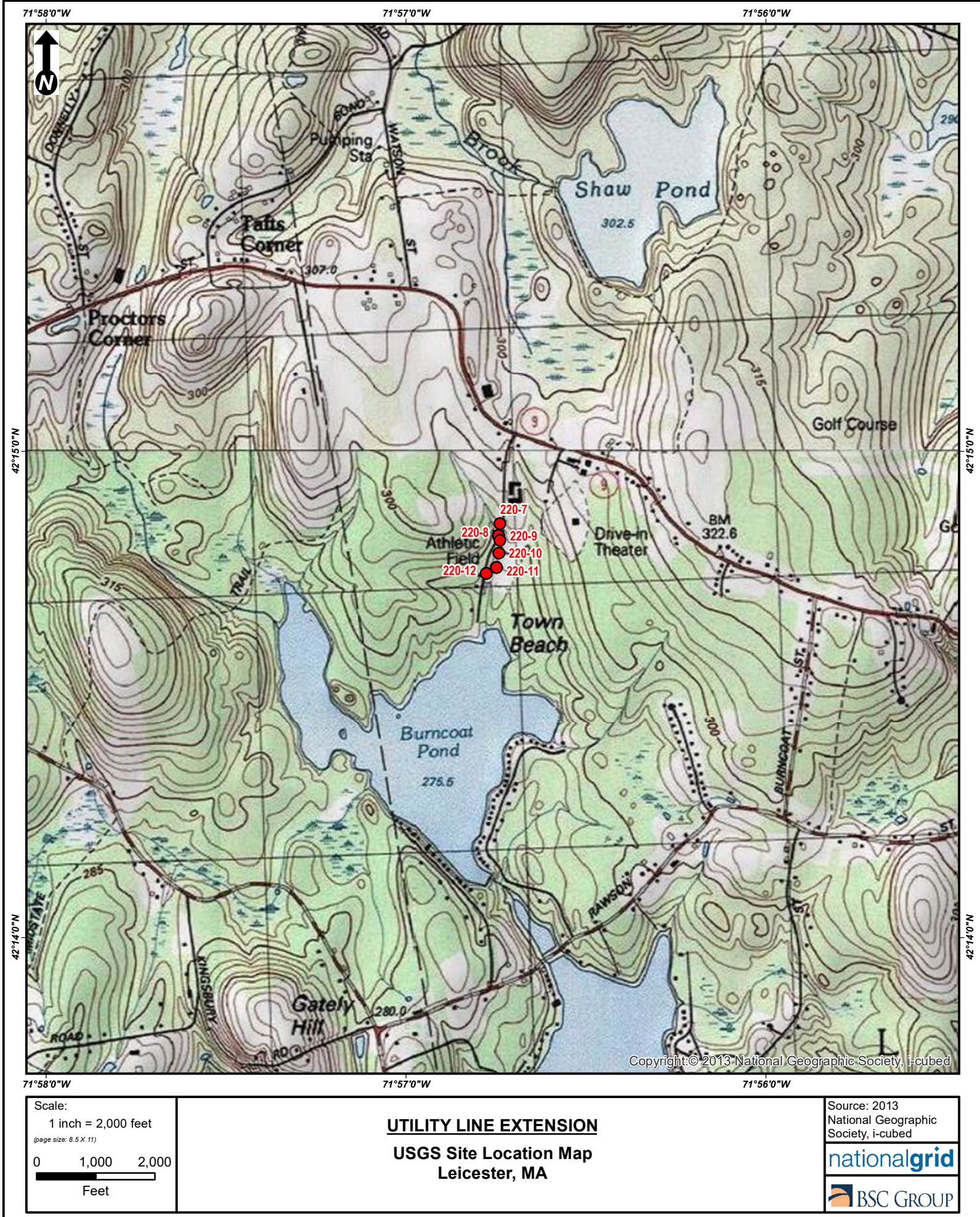
Date

# **Attachment B**

Utility Line Extension  
Town Beach Road, Leicester, MA  
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USGS SITE LOCATION MAP  
ENVIRONMENTAL RESOURCES MAP



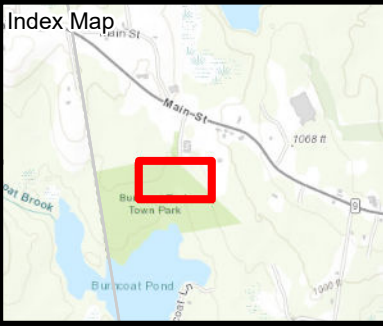


Scale:  
1 inch = 2,000 feet  
(page size: 8.5 X 11)  
0 1,000 2,000  
Feet

**UTILITY LINE EXTENSION**  
**USGS Site Location Map**  
**Leicester, MA**

Source: 2013  
National Geographic  
Society, i-cubed  
**nationalgrid**  
**BSC GROUP**





Existing Pole

Replace Pole

Install Pole

Install Anchor

Delineated Intermittent Stream

Estimated Wetland Area

MADEP Hydrologic Connections

MADEP Wetlands

25ft No-Disturb Zone

100ft Buffer to Wetlands & Streams

Interim Wellhead Protection Area

Stonewall

N

1 inch = 100 feet

0 50 100

Feet

UTILITY LINE EXTENSION

Environmental Resources Map

Town Beach Road  
Leicester, MA

Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, © OpenStreetMap contributors, and the GIS User Community

nationalgrid

BSC GROUP

THIS DOCUMENT IS INTENDED FOR GENERAL PLANNING & INFORMATION PURPOSES ONLY. ALL MEASUREMENTS & LOCATIONS ARE APPROXIMATE.



# Attachment C

Utility Line Extension  
Town Beach Road, Leicester, MA  
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## SITE PHOTOGRAPHS





**Photo #1:** View of the existing roadway layout of Town Beach Road and general project setting. *Facing north.*



**Photo #2:** View of the proposed location of P220-11, as indicated by the arrow and the red-tipped white stake in the photograph. *Facing north.*





**Photo #3:** Additional view of the proposed location of P220-11 and anchor. *Facing south.*



**Photo #4:** View of intermittent stream which is culverted under Town Beach Road. Project activities are located within the 100-foot Buffer Zone to Inland Bank associated with this stream. *Facing west.*





**Photo #5:** View of the location of proposed P220-10 and anchor, as indicated by the red-tipped white stake. *Facing north.*

# Attachment D

Utility Line Extension  
Town Beach Road, Leicester, MA  
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## ABUTTER INFORMATION

**REQUEST FOR DETERMINATION OF APPLICABILITY  
ABUTTER NOTIFICATION LETTER**

**RE:   Leicester Conservation Commission  
      Notice of Public Meeting**

To Whom It May Concern,

As a direct abutter to a proposed project, please be advised that a REQUEST FOR DETERMINATION OF APPLICABILITY has been filed with the Leicester Conservation Commission under the Leicester Wetlands Protection Bylaw.

PROJECT:                               Utility Line Extension, Town Beach Road, Leicester, MA

APPLICANT:                           Massachusetts Electric Company (d/b/a National Grid)

PROJECT LOCATION:               Roadway layout along Town Beach Road, Leicester, MA

PROJECT DESCRIPTION:       MECO is proposing to replace one (1) existing utility pole and install four (4) new utility poles along Town Beach Road to provide electrical service to Burncoat Park. The proposed poles will be installed within the 100-foot Buffer Zone to Inland Bank associated with an intermittent stream.

APPLICANT'S AGENT:           BSC Group, Inc.  
                                      33 Waldo Street  
                                      Worcester, MA 01608  
                                      Attn: Kaitlyn Rimol  
                                      617-896-4526

PUBLIC MEETING:               Leicester Town Hall  
                                      Conference Room  
                                      3 Washburn Square  
                                      Leicester, MA 01524

DATE AND TIME:               Please contact the Leicester Conservation Commission for Date and Time information.

NOTE:                You may contact the Leicester Conservation Commission at (508) 892-7007 for more information on the project and for the date and time of the public meeting.

Plans and an application describing the proposed application are on file with the Leicester Conservation Commission at (508) 892-7007.

You also may contact the Department of Environmental Protection, Central Regional Office at (508) 792-7650 for more information about this application or the Wetlands Protection Act.

12/03/2018

## Town of Leicester

Page 1 of 1

9:41:59AM

## Abutters List

ParcelID	Location	Owner	Co-Owner	Mailing Address	City	State	Zip
18 A1 0	TOWN BEACH RD	TOWN OF LEICESTER	BEACH AREA	3 WASHBURN SQUARE	LEICESTER	MA	01524
18 A3 0	MAIN ST	TOWN OF LEICESTER	TOWN BEACH	3 WASHBURN SQUARE	LEICESTER	MA	01524
18 A6 0	1735 MAIN ST	JOSEPH HANNA J		P O BOX 291	LEICESTER	MA	01524-0291
18 A6.1 0	5 TOWN BEACH RD	5 TOWN BEACH RD LLC		11 BERKSHIRE DR	FRANKLIN	MA	02038
18 A6.2 0	12 TOWN BEACH RD	TOWN OF LEICESTER	TOWN HALL	3 WASHBURN SQUARE	LEICESTER	MA	01524
18 A9 0	MAIN ST	LAPOMARDO MICHAEL JR TR	GOLDEN GOOSE RLTY TR	5 JILL CIRCLE	SHREWSBURY	MA	01545
27 B6 0	BURNCOAT POND	BURNCOAT POND WATERSHED D		PO BOX 346	LEICESTER	MA	01524

**End of Report**

Above is a certified list of direct abutters including abutters across any street.

Subject property: 12 Town Beach Road, Assessors Map 18-A2-0, Deed Ref. 4835/541

Subject owner(s): Town of Leicester

John Prescott, Principal Assessor

Prepared by: Kathleen Asquith, Assistant

# **Attachment E**

Utility Line Extension  
Town Beach Road, Leicester, MA  
Request for Determination of Applicability

## **BEST MANAGEMENT PRACTICES**



## SUBJECT

Access, Maintenance and Construction  
Best Management Practices

## Reference

EP No. 3 - Natural Resource  
Protection (Chapter 6)

BMP PICTURE

STRAW WATTLE – SHALLOW SLOPE ( $\leq 4:1$ )  
(ALTERNATE STAKING)

ALTERNATE STAKING INSTALLATION NOTES:

1. ON SHALLOW SLOPES ( $\leq 4:1$ ), STRAW WATTLE MAY BE SECURED WITH 18–24" HARDWOOD STAKES DRIVEN AGAINST THE SIDES OF THE WATTLE INSTEAD OF THROUGH. STAKES SHALL ALTERNATE SIDES, AND BE SPACED 3–4' MAX.
2. TWINE SHALL BE TIED FROM STAKE TO STAKE, CRISS-CROSSING THE STRAW WATTLE. TIE TWINE TO STAKES BELOW THE HEIGHT OF THE WATTLE.

\* DETAIL AND PICTURE PROVIDED BY TENSAR NORTH AMERICAN GREEN  
APPROVED BY: VICE PRESIDENT, ENVIRONMENTAL SERVICES  
PRINTED COPIES ARE NOT DOCUMENT CONTROLLED. FOR LATEST AUTHORIZED  
VERSION PLEASE REFER TO THE NATIONAL GRID ENVIRONMENTAL INFONET SITE.

SEC-5  
STRAW WATTLE \* (2 OF 2)

## SUBJECT

Access, Maintenance and Construction  
Best Management Practices

## Reference

EP No. 3 - Natural Resource  
Protection (Chapter 6)

**BMP****Definition**

Applying coarse plant residue or chips, or other suitable materials, to cover the soil surface.

**Purpose**

The primary purpose is to provide initial erosion control while a seeding or shrub planting is establishing. Mulch will conserve moisture and modify the surface soil temperature and reduce fluctuation of both. Mulch will prevent soil surface crusting and aid in weed control. Mulch is also used alone for temporary stabilization in non-growing months.

**Conditions Where Practice Applies**

On soils subject to erosion and on new seedings and shrub plantings. Mulch is useful on soils with low infiltration rates by retarding runoff.

**Criteria**

Site preparation prior to mulching requires the installation of necessary erosion control or water management practices and drainage systems.

Slope, grade and smooth the site to fit needs of selected mulch products.

Remove all undesirable stones and other debris to meet the needs of the anticipated land use and maintenance required.

Apply mulch after soil amendments and planting is accomplished or simultaneously if hydroseeding is used.

Select appropriate mulch material and application rate or material needs. Determine local availability.

Select appropriate mulch anchoring material.

NOTE: The best combination for grass/legume establishment is straw (cereal grain) mulch applied at 2 ton/acre (90 lbs./1000sq.ft.) and anchored with wood fiber mulch (hydromulch) at 500 – 750 lbs./acre (11 – 17 lbs./1000 sq. ft.). The wood fiber mulch must be applied through a hydroseeder immediately after mulching.

**NOTE:**

1. PICTURE DEPICTS STRAW MULCH APPLICATION (FROM MULCH SPREADER) ON STEEP SLOPE WITH AN IMPROVED DRAINAGE SWALE.
2. COORDINATE MULCH MATERIALS AND RATES WITH NATIONAL GRID ENVIRONMENTAL SCIENTIST.

\* BMP INFORMATION FROM "NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL (AUGUST, 2005)." INFORMATION OBTAINED VIA WEBSITE: <http://www.dec.ny.gov/chemical/29086.html>  
APPROVED BY: VICE PRESIDENT, ENVIRONMENTAL SERVICES  
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**SEC-9**  
**MULCH MATERIALS, RATES AND**  
**USES (FROM NY) \***



## SUBJECT

Access, Maintenance and Construction  
Best Management Practices

## Reference

EP No. 3 - Natural Resource  
Protection (Chapter 6)

## UPLAND ROW RESTORATION MIX – GENERAL

### Species Composition Options:

- Andropogon gerardii; Niagra Big Bluestem
- Schizachyrium scoparium; Little Bluestem
- Elymus Canadensis; Canada Wild Rye
- Elymus virginicus; Virginia Wildrye
- Lolium multiflorum; Annual Ryegrass
- Sorghastrum nutans; Indiangrass
- Chamaecrista fasciculata; Partridge Pea
- Desmodium canadense; Showy Tick Trefoil
- Heliopsis helianthoides; Ox-Eye Sunflower
- Panicum virgatum; Switchgrass
- Rudbeckia hirta; Black Eyed Susan
- Poa palustris; Fowl Bluegrass
- Agrostis perennans; Upland Bentgrass
- Agrostis alba; Redtop
- Festuca rubra; Red Fescue
- Lotus corniculatus; Birds-Foot Trefoil
- Chrysanthemum leucanthem; Ox-Eye Daisy
- Aster novae-angliae; New England Aster

### Example Seed Mixes:

1. Native Upland wildlife forage and Cover Meadow Mix – Ernst Conservation Seeds (ERNMX-123)
2. Eastern Ecotype Native Grass Mix– Ernst Conservation Seeds (ERNMX-177)
3. New England Native Warm Season Grass Mix – New England Wetland Plants, Inc.
4. New England Logging Road Mix – New England Wetland Plants, Inc.
5. Northeast Upland Wildflower/Restoration Erosion Mix – Southern Tier Consulting (STCMX-2)

## UPLAND ROW RESTORATION MIX – DRY/ROCKY SITES

### Species Composition Options:

- Festuca rubra; Red Fescue
- Schizachyrium scoparium; Little Bluestem
- Elymus Canadensis; Canada Wild Rye
- Bouteloua gracilis; Blue Grama
- Lolium multiflorum; Annual Ryegrass
- Lolium perenne; Perennial Ryegrass
- Agrostis scabra; Rough Bentgrass
- Agrostis perennans; Upland Bentgrass
- Sorghastrum nutans; Indiangrass

### Example Seed Mixes:

1. New England Erosion Control/ Restoration Mix for Dry Sites – New England Wetland Plants, Inc.
2. Ernst Conservation Seeds and similar companies can create a custom seed mix matching the composition above (with site specific additions if necessary).



## SUBJECT

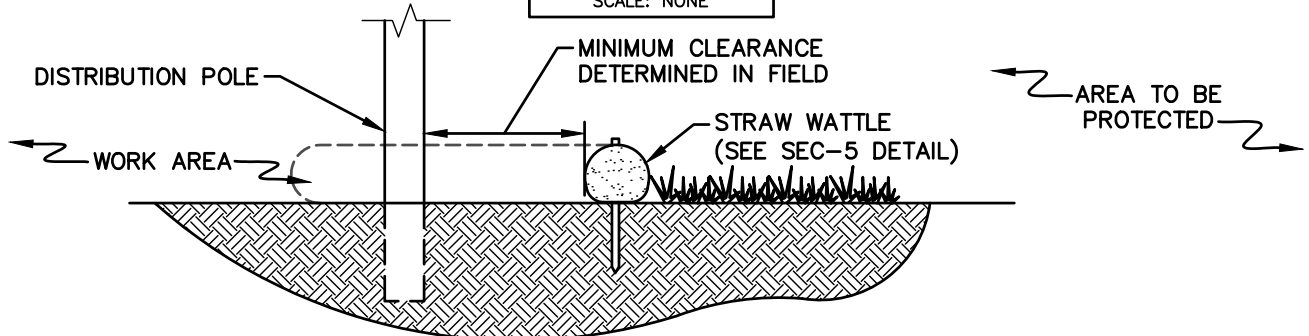
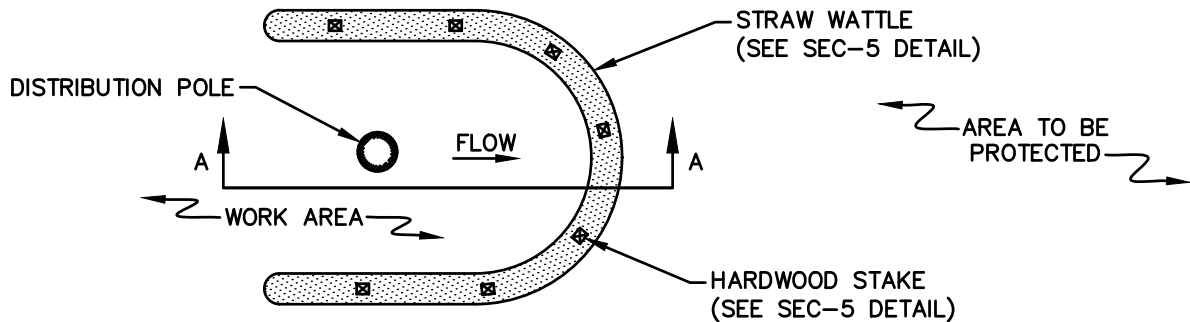
Access, Maintenance and Construction  
Best Management Practices

## Reference

EP No. 3 - Natural Resource  
Protection (Chapter 6)

**BMP DETAIL**

SCALE: NONE

SECTION A-APLANNOTES

1. PRODUCT TO BE STRAW WATTLE OR APPROVED EQUAL BY NATIONAL GRID ENVIRONMENTAL SCIENTIST (SEE SEC-5 BMP DETAIL).
2. STRAW BALE BARRIER PER SEC-1 BMP DETAIL TO BE AN AVAILABLE ALTERNATE DEPENDING ON SITE CONDITIONS AT THE DIRECTION OF NATIONAL GRID ENVIRONMENTAL SCIENTIST (SEE FIGURE 2).
3. MINIMUM CLEARANCE BETWEEN POLE AND EROSION CONTROL TO BE DETERMINED BY CONDITIONS OF POLE INSTALLATION/REPLACEMENT WORK AND ASSOCIATED DISTURBANCE.

**BMP PICTURE**

FIGURE 1: TYP. STRAW WATTLE APPLICATION



FIGURE 2: ALT. STRAW BALE APPLICATION

**APPROVED BY: VICE PRESIDENT, ENVIRONMENTAL SERVICES**

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VERSION PLEASE REFER TO THE NATIONAL GRID ENVIRONMENTAL INFONET SITE.

**SEC-12**  
**DISTRIBUTION POLE  
SEDIMENT CONTROL**