



City of Melrose DPW Engineering Division

Notice of Intent May 25, 2022

Laurel Street Drainage Easement Pipe Replacement



*Prepared by: City of Melrose Engineering Division
562 Main Street, Melrose, MA 02176*



CITY OF MELROSE

DEPARTMENT OF PUBLIC WORKS

Administration-Engineering-Water-Sewer-Facilities

Parks-Forestry-Highway-Sanitation-Cemetery-Fleet

Vonnie Reis, P.E.

City Engineer

City Hall, 562 Main Street

Melrose, Massachusetts 02176

Telephone - (781) 979-4172

E-mail: VReis@cityofmelrose.org

May 25, 2022

Melrose Conservation Commission 562 Main Street

Melrose, MA 02176

c/o Eric Devlin, Conservation Commission Agent

Subject: Laurel Street Drainage Easement Pipe Replacement
Notice of Intent

Dear Mr. Devlin:

Enclosed please find the City of Melrose's Notice of Intent for the Laurel Street Drainage Easement Pipe Replacement project. This project involves repair to a critical drainage pipe on private property. The work is within the 100-foot Buffer Zone to an isolated wetland and within a FEMA A flood zone. Bank associated with a drainage ditch will also be impacted. The work will be confined to an existing drainage pipe easement held by the City.

Should you have any questions or wish to discuss this application further, please feel free to contact me at 781-979-4171 or at vreis@cityofmelrose.org.

Thank you for your consideration of this project.

Sincerely,

Vonnie Reis

Vonnie Reis

City Engineer

cc: Elena Proakis Ellis, P.E., DPW Director

Ardi Elshani, Engineer



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Massachusetts Department of Environmental Protection

eDEP Transaction Copy

Here is the file you requested for your records.

To retain a copy of this file you must save and/or print.

Username: **AELSHANI**

Transaction ID: **1373299**

Document: **WPA Form 3 - NOI**

Size of File: **246.00K**

Status of Transaction: **In Process**

Date and Time Created: **5/19/2022:1:53:09 PM**

Note: This file only includes forms that were part of your transaction as of the date and time indicated above. If you need a more current copy of your transaction, return to eDEP and select to "Download a Copy" from the Current Submittals page.

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 #:1373299
City/Town:MELROSE

A.General Information

1. Project Location:

a. Street Address 207 LAUREL STREET
b. City/Town MELROSE c. Zip Code 02176
d. Latitude 42.45547N e. Longitude 71.04796W
f. Map/Plat # F7 g.Parcel/Lot # 0-109

2. Applicant:

Individual Organization

a. First Name ARDI b.Last Name ELSHANI
c. Organization MELROSE DPW
d. Mailing Address 562 MAIN STREET
e. City/Town MELROSE f. State MA g. Zip Code 02176
h. Phone Number 781-979-4172 i. Fax j. Email aelshani@cityofmelrose.org

3.Property Owner:

more than one owner

a. First Name PETER b. Last Name ATHANAS
c. Organization
d. Mailing Address 207 LAUREL ST
e. City/Town MELROSE f.State MA g. Zip Code 02176
h. Phone Number i. Fax j.Email

4.Representative:

a. First Name ARDI b. Last Name ELSHANI
c. Organization MELROSE DPW
d. Mailing Address 562 MAIN ST
e. City/Town MELROSE f. State MA g. Zip Code 02176
h.Phone Number 781-979-4172 i.Fax j.Email aelshani@cityofmelrose.org

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

a.Total Fee Paid 0.00 b.State Fee Paid 0.00 c.City/Town Fee Paid 0.00

6.General Project Description:

REPLACEMENT OF BROKEN 10-INCH DRAINAGE PIPE THROUGH EASEMENT ON PRIVATE PROPERTY.

7a.Project Type:

- 1. Single Family Home
2. Residential Subdivision
3. Limited Project Driveway Crossing
4. Commercial/Industrial
5. Dock/Pier
6. Utilities
7. Coastal Engineering Structure
8. Agriculture (eg., cranberries, forestry)
9. Transportation
10. Other

7b.Is any portion of the proposed activity eligible to be treated as a limited project subject to 310 CMR 10.24 (coastal) or 310 CMR 10.53 (inland)?

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1. Yes No If yes, describe which limited project applies to this project:
 2. Limited Project SECTION 10.53(3)(K)

8. Property recorded at the Registry of Deeds for:

| | | | |
|--------------------|------------------------|-----------------|-----------------|
| a. County: | b. Certificate: | c. Book: | d. Page: |
| SOUTHERN MIDDLESEX | 276915 | 1576 | 132 |

B. Buffer Zone & Resource Area Impacts (temporary & permanent)

1. Buffer Zone & Resource Area Impacts (temporary & permanent):

This is a Buffer Zone only project - Check if the project is located only in the Buffer Zone of a Bordering Vegetated Wetland, Inland Bank, or Coastal Resource Area.

2. Inland Resource Areas: (See 310 CMR 10.54 - 10.58, if not applicable, go to Section B.3. Coastal Resource Areas)

| Resource Area | Size of Proposed Alteration | Proposed Replacement (if any) |
|---|---|-------------------------------|
| a. <input checked="" type="checkbox"/> Bank | 25 1. linear feet | 25 2. linear feet |
| b. <input checked="" type="checkbox"/> Bordering Vegetated Wetland | 300 1. square feet | 300 2. square feet |
| c. <input type="checkbox"/> Land under Waterbodies and Waterways | 1. Square feet | 2. square feet |
| | 3. cubic yards dredged | |
| d. <input type="checkbox"/> Bordering Land Subject to Flooding | 1. square feet | 2. square feet |
| | 3. cubic feet of flood storage lost | 4. cubic feet replaced |
| e. <input type="checkbox"/> Isolated Land Subject to Flooding | 1. square feet | |
| | 2. cubic feet of flood storage lost | 3. cubic feet replaced |
| f. <input type="checkbox"/> Riverfront Area | 1. Name of Waterway (if any) | |
| 2. Width of Riverfront Area (check one) | <input type="checkbox"/> 25 ft. - Designated Densely Developed Areas only <input type="checkbox"/> 100 ft. - New agricultural projects only <input type="checkbox"/> 200 ft. - All other projects | |
| 3. Total area of Riverfront Area on the site of the proposed project | square feet | |
| 4. Proposed Alteration of the Riverfront Area: | | |
| a. total square feet b. square feet within 100 ft. c. square feet between 100 ft. and 200 ft. | | |
| 5. Has an alternatives analysis been done and is it attached to this NOI? | <input type="checkbox"/> Yes <input type="checkbox"/> No | |

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6. Was the lot where the activity is proposed created prior to August 1, 1996? Yes No

3.Coastal Resource Areas: (See 310 CMR 10.25 - 10.35)

| Resource Area | Size of Proposed Alteration | Proposed Replacement (if any) |
|---|---|------------------------------------|
| a. <input type="checkbox"/> Designated Port Areas | Indicate size under | Land under the ocean below, |
| b. <input type="checkbox"/> Land Under the Ocean | 1. square feet | |
| | 2. cubic yards dredged | |
| c. <input type="checkbox"/> Barrier Beaches | Indicate size under Coastal Beaches and/or Coastal Dunes, below | |
| d. <input type="checkbox"/> Coastal Beaches | 1. square feet | 2. cubic yards beach nourishment |
| e. <input type="checkbox"/> Coastal Dunes | 1. square feet | 2. cubic yards dune nourishment |
| f. <input type="checkbox"/> Coastal Banks | 1. linear feet | |
| g. <input type="checkbox"/> Rocky Intertidal Shores | 1. square feet | |
| h. <input type="checkbox"/> Salt Marshes | 1. square feet | 2. sq ft restoration, rehab, crea. |
| i. <input type="checkbox"/> Land Under Salt Ponds | 1. square feet | |
| | 2. cubic yards dredged | |
| j. <input type="checkbox"/> Land Containing Shellfish | 1. square feet | |
| k. <input type="checkbox"/> Fish Runs | Indicate size under Coastal Banks, Inland Bank, Land Under the Ocean, and/or inland Land Under Waterbodies and Waterways, above | |
| | 1. cubic yards dredged | |
| l. <input type="checkbox"/> Land Subject to Coastal Storm Flowage | 1. square feet | |

4.Restoration/Enhancement

Restoration/Replacement

If the project is for the purpose of restoring or enhancing a wetland resource area in addition to the square footage that has been entered in Section B.2.b or B.3.h above, please entered the additional amount here.

a. square feet of BVW b. square feet of Salt Marsh

5.Projects Involves Stream Crossings

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. 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:FROM MAP VIEWER

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. Percentage/acreage of property to be altered:

(a) within Wetland Resource Area percentage/acreage

(b) outside Resource Area percentage/acreage

2. Assessor's Map or right-of-way plan of site

3. 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. Project description (including description of impacts outside of wetland resource area & buffer zone)

b. Photographs representative of the site

c. MESA filing fee (fee information available at: <http://www.mass.gov/eea/agencies/dfg/dfw/natural-heritage/regulatory-review/mass-endangered-species-act-mesa/mesa-fee-schedule.html>)

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, <http://www.mass.gov/eea/agencies/dfg/dfw/laws-regulations/cmr/321-cmr-1000-massachusetts-endangered-species-act.html#10.14>; 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

b. Date submitted to NHESP

3. Separate MESA review completed.

□ **Massachusetts Department of Environmental Protection**

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City/Town:MELROSE

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

* Some projects **not** in Estimated Habitat may be located in Priority Habitat, and require NHESP review...

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)?

a. Yes No

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?

a. Yes No

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

3. Proprietary BMPs are included in the Stormwater Management System

b. No, Explain why the project is exempt:

1. Single Family Home

2. Emergency Road Repair

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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 [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.

a. Plan Title: b. Plan Prepared By: c. Plan Signed/Stamped By: c. Revised Final Date: e. Scale:

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**
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 #:
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City/Town:MELROSE

E. Fees

1. Fee Exempt: No filing fee shall be assessed for projects of any city, town, county, or district of the Commonwealth, federally recognized Indian tribe housing authority, municipal housing authority, or the Massachusetts Bay Transportation Authority.

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 |

F. 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 regulations, 310 CMR 10.05(5)(a).

I further certify under penalties of perjury that all abutters were notified of this application, pursuant to the requirements of M.G.L. c. 131, § 40. Notice must be made by Certificate of Mailing or in writing by hand delivery or certified mail (return receipt requested) to all abutters within 100 feet of the property line of the project location.

| | |
|--|-----------|
| Ardi Elshani | 5/19/2022 |
| 1. Signature of Applicant | 2. Date |
| Vonnie Reis | 5/19/2022 |
| 3. Signature of Property Owner(if different) | 4. Date |
| Ardi Elshani | 5/19/2022 |
| 5. Signature of Representative (if any) | 6. Date |

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 requirements.

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.

Massachusetts Department of Environmental Protection
 Bureau of Resource Protection - Wetlands
WPA Form 3 - Notice of Wetland Fee Transmittal
Form
 Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP:
 MassDEP File #:
 eDEP Transaction #:1373299
 City/Town:MELROSE

A. Applicant Information

1. Applicant:

| | | | |
|--------------------|-----------------|--------------|----------------------------|
| a. First Name | ARDI | b. Last Name | ELSHANI |
| c. Organization | MELROSE DPW | | |
| d. Mailing Address | 562 MAIN STREET | | |
| e. City/Town | MELROSE | f. State | MA |
| | | g. Zip Code | 02176 |
| h. Phone Number | 7819794172 | i. Fax | |
| | | j. Email | aelshani@cityofmelrose.org |

2. Property Owner:(if different)

| | | | |
|--------------------|---------------|--------------|---------|
| a. First Name | PETER | b. Last Name | ATHANAS |
| c. Organization | | | |
| d. Mailing Address | 207 LAUREL ST | | |
| e. City/Town | MELROSE | f. State | MA |
| | | g. Zip Code | 02176 |
| h. Phone Number | | i. Fax | |
| | | j. Email | |

3. Project Location:

| | | | |
|-------------------|-------------------|--------------|---------|
| a. Street Address | 207 LAUREL STREET | b. City/Town | MELROSE |
|-------------------|-------------------|--------------|---------|

Are you exempted from Fee?

Note: Fee will be exempted if you are one of the following:

- City/Town/County/District
- Municipal Housing Authority
- Indian Tribe Housing Authority
- MBTA

State agencies are only exempt if the fee is less than \$100

B. Fees

| Activity Type | Activity Number | Activity Fee | RF Multiplier | Sub Total |
|---------------|-----------------|--------------------------------|---------------------------|-------------------|
| | | City/Town share of filling fee | State share of filing fee | Total Project Fee |
| | | \$0.00 | \$0.00 | \$0.00 |

ATTACHMENT A
PROJECT DESCRIPTION

1.0 Project Description

This Notice of Intent (NOI) is being filed with the Melrose Conservation Commission for construction associated with the replacement of a pipe located in a drainage easement on private property on Laurel Street. **Figure 1** shows the location of the easement with USGS topography.

A portion of the proposed work is located within the 100-foot Buffer Zone to an isolated wetland and a FEMA A flood zone. Work will disturb the bank of a drainage ditch at the outfall for the pipe.

This project qualifies as a Limited Project in accordance with Section 10.53(3)(k) of the Wetlands Protection Regulations, which includes *“The routine maintenance and repair of road drainage structures including culverts and catch basins, drainage easements, ... which existed on the effective date of 310 CMR 10.51 through 10.60 (April 1, 1983.)”* The flow through the pipe to be replaced originates in the public street.

The following sections address the need for the pipe replacement, existing onsite wetland conditions, work proposed within wetland resource areas, and proposed measures to mitigate construction impacts.

2.0 Background Information

The property at 207 Laurel Street is a residential property that was historically part of a much larger parcel. The former owners used the field behind the house for vegetable gardens and the drainage ditch was created and maintained by those owners to drain the fields so they could be farmed.

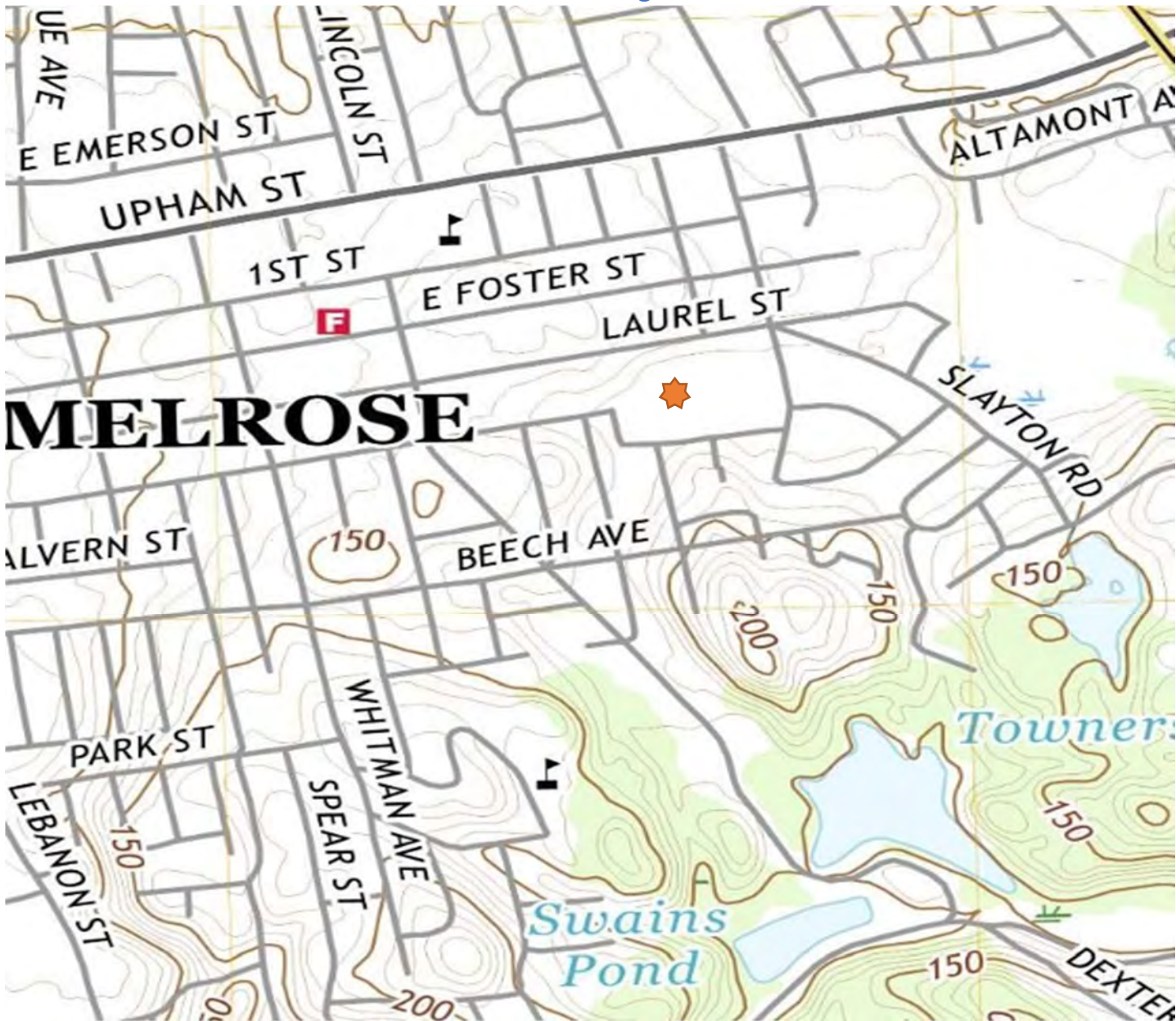
The drainage pipe collects flow from East Foster Street and Laurel Street and conveys it through the easement to the drainage ditch. The easement is 15-feet wide by approximately 325-feet long and crossed through parcels F7-0-109 and F7-0-107. The parcels are owned by Athanas and Rotondi, respectively. The drainage pipe is shown on the City’s GIS as a 10-inch vitreous clay pipe (VCP), however at the outfall end the pipe appears to be corrugated metal pipe (CMP). The pipe is buried in a shallow trench and the top of the pipe is visible near the discharge location. Field investigation were conducted and it appears that the pipe is cracked and leaking for most of its length through the field. The owner of parcel F7-0-109 reported that the lower end of the field has been more saturated in the past few years than previously and leaching of stormwater from the pipe is suspected.

Figure 2 shows the limit of work and mitigation methods proposed. Photographs of the pipe and the site are included in Attachment B.

Notice of Intent
Laurel Street Drainage Easement
Pipe Replacement
Figure 1 – USGS Map

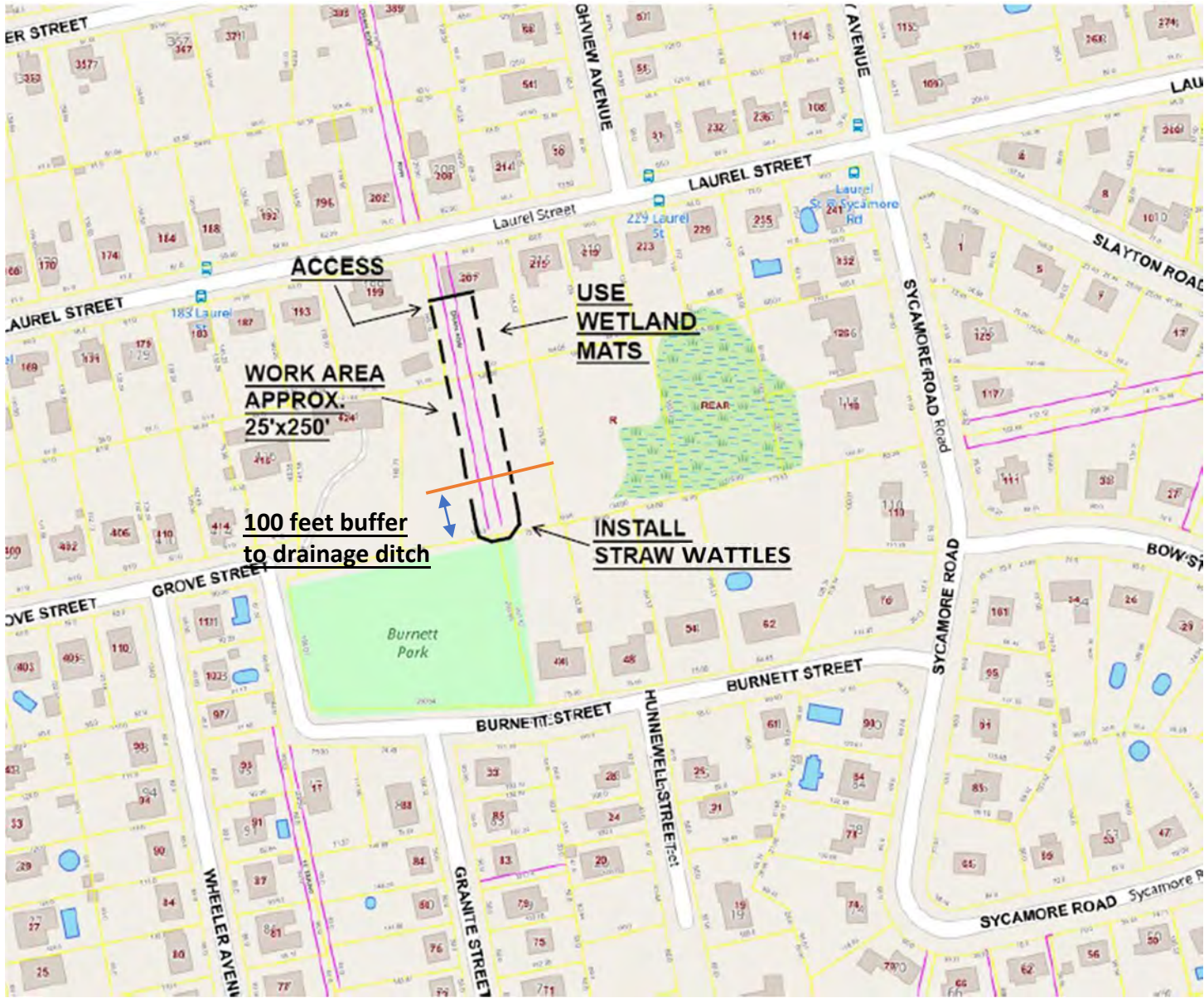
Latitude: 52.45547N
Longitude: 71.04796W

★ Project Location



CITY OF MELROSE
DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION
562 MAIN ST., MELROSE, MA 02176

Notice of Intent
Laurel Street Drainage Easement
Pipe Replacement
Figure 2 – Pipe Repair Schematic



Not to Scale

CITY OF MELROSE
DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION
562 MAIN ST., MELROSE, MA 02176

3.0 Existing Conditions

3.1 Site Description

The existing site is a field that extends over the pipe. Laurel Street is to the north. The pipe conveys flow from East Foster Street and Laurel Street through the easement to the outfall in the drainage ditch. The drainage ditch flows west from a wetland area at the intersection of Burnett Street and Grove Street to a closed drainage system on Sycamore Street.

3.2 Wetland Delineation

Isolated wetlands are located adjacent to the drainage ditch. Property owners report that soils in the undeveloped parcel are primarily peat. **Figure 3** is the FEMA flood zone map. **Figure 4** shows the approximate location of the wetland resource areas and their proximity to the work area. Wetland and resource area boundaries were reviewed using MassMapper and the area was not mapped as a wetland. Given the reported site soils, observed wetland vegetation, and floodplain mapping, the City presumes the pipe replacement is located within a resource area. A formal wetland delineation was not conducted.

For the purpose of this NOI it is assumed that wetland disturbance will include an area 25 feet off the bank of the drainage ditch by 15 feet wide for a total of 300 square feet.

3.4 ACEC and NHESP

The project area is not located in an Area of Critical Environmental Concern. No vernal pools are identified within the limits of work. The Natural Heritage and Endangered Species Program (NHESP) online atlas shows that the project site is not located within a habitat area for any rare or endangered species.

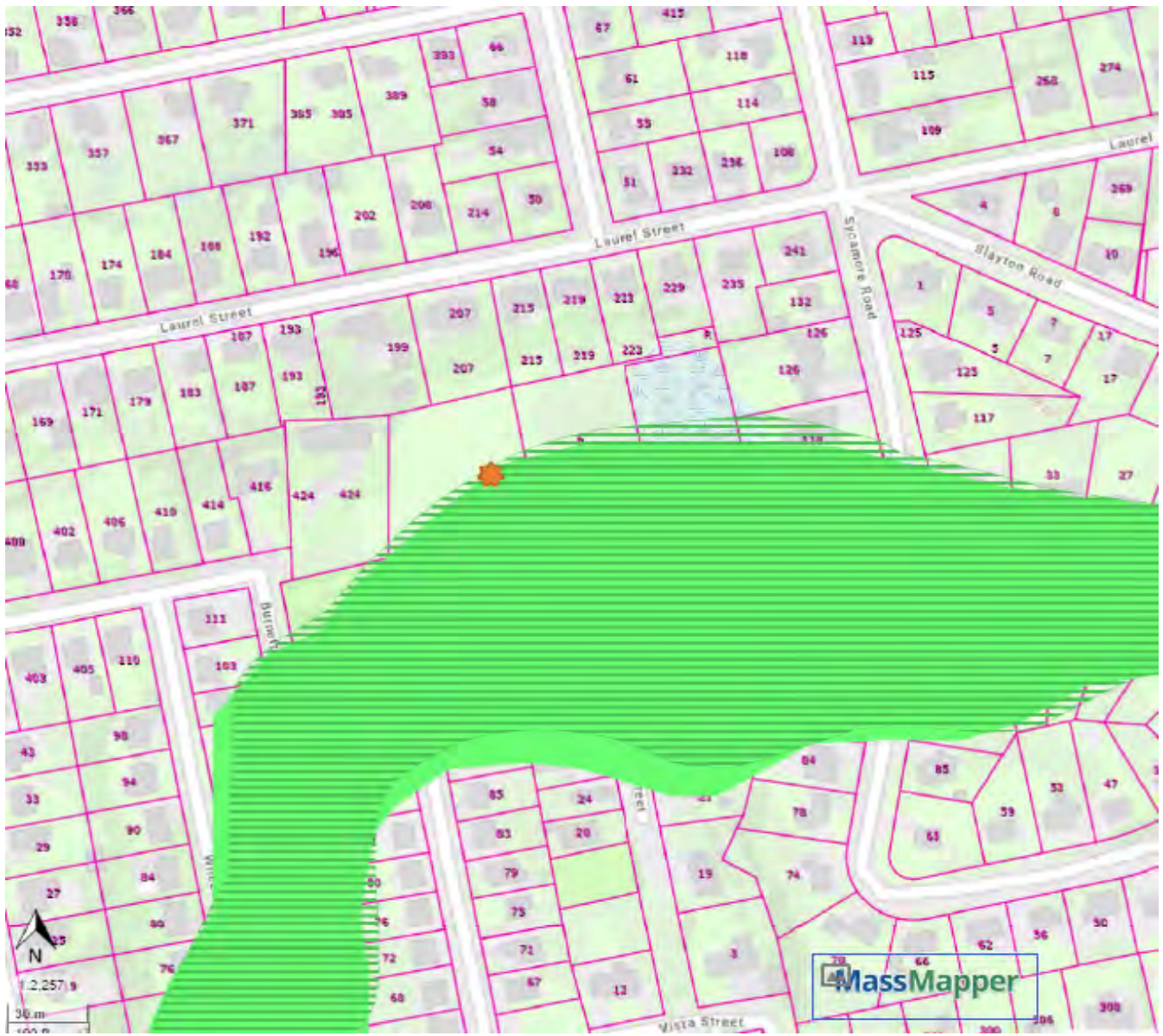
4.0 Mitigation Measures

4.1 During Construction



Access to the work area will be through the driveway of 199 Laurel Street. Replacement of the pipe will include excavation of the existing pipe, installation of stone bedding and a new 12-inch PVC (or HDPE) pipe, backfill, and reseeded of the disturbed areas. The Contractor is proposing to use a 160 Komatsu mini-excavator with a 30-inch bucket to minimize the width of the trench. Wetland mats measuring 8-feet by 12-feet will be used. The area of excavation will not extend outside of the 15-foot easement. At the outfall, accumulated sediment will be removed, and a PVC flared end section will be installed. The location of work begins at a sinkhole in the yard of 207 Laurel Street approximately 75 feet from the road and extends approximately 250 feet through the field to the drainage ditch. The pipe depth through the field is very shallow and the top of the pipe is visible at the downstream end, as shown in the attached photos.

Measures implemented to avoid, minimize, and mitigate potential impacts to nearby wetlands and floodplain included the following:

- Before the contractor begins any site work, a sedimentation control barrier will be erected around the edge of the drainage ditch, to prevent runoff or erosion of soils to the wetland resource areas.



*Notice of Intent
 Laurel Street Drainage Easement
 Pipe Replacement
 FIGURE 3 – FEMA Flood Zone Map*

-  Project Location
-  Zone A: 1% Annual
Chance of Flooding, no BFE

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 ENGINEERING DIVISION
 562 MAIN ST., MELROSE, MA 02176*



*Notice of Intent
 Laurel Street Drainage Easement
 Pipe Replacement
**FIGURE 4 – Wetland Resource
 Boundaries (Assumed)***

*CITY OF MELROSE
 DEPARTMENT OF PUBLIC WORKS
 ENGINEERING DIVISION
 562 MAIN ST., MELROSE, MA 02176*

- No stockpiling of excavated materials will be permitted within the floodplain during the pipe repair. Discharge of excavated materials to the drainage ditch is prohibited.
- The contractor will use wetland mats to minimize disturbance to the field. Trench size will be minimized, and trench excavate will be reused as backfill to the extent possible.
- Dewatering of the trench will utilize a “dirt bag” prior to discharge overland.
- Riprap may be installed at the outfall to stabilize the drainage ditch bank as needed.

4.2 Post Construction Measures

All disturbed soils in the 100-foot Buffer Zone will be seeded for permanent stabilization using a wetland seed mix. The area will be maintained and re-seeded to ensure that cover is adequate to stabilize the exposed soil.

5.0 Summary

This project is necessary due to the deteriorated condition of the existing drainage pipe. Maintenance of this pipe is necessary as it is part of the City’s drainage infrastructure. The goal of the project is to replace the broken pipe and restore function to the drainage system while reducing saturation of the adjacent property due to exfiltration.

The proposed construction will be conducted in compliance with 310 CMR 10.00, to the extent possible. The Melrose Conservation agent will be informed at all steps in the process. The repair should be successfully completed within a few days. The measures detailed above will be employed to protect the resource area and successfully complete the project.

ATTACHMENT B
PROJECT PHOTOGRAPHS

05/25/2022

*Notice of Intent
Laurel Street Drainage Easement
Pipe Replacement
Photos*

*Existing 10-inch corrugated metal
pipe outfall*



Drainage ditch

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DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION
562 MAIN ST., MELROSE, MA 02176*

05/25/2022

*Notice of Intent
Laurel Street Drainage Easement
Pipe Replacement
Photos*

Existing outfall to the drainage ditch.



*The existing condition in the backyard of
207 Laurel Street.
Sinkhole in the drainage easement .*

*CITY OF MELROSE
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05/25/2022

*Notice of Intent
Laurel Street Drainage Easement
Pipe Replacement
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*Existing Conditions
Facing East.*



*Existing Conditions
Facing South*

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05/25/2022

*Notice of Intent
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*Existing Conditions
Facing East.*



*Existing Conditions
Facing North.*

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ATTACHMENT C
ABUTTER NOTIFICATION AND LIST

Notification to Abutters Under the Massachusetts Wetlands Protection Act

In accordance with the second paragraph of Massachusetts General Laws Chapter 131, Section 40, you are hereby notified of the following, since your property is within 100 feet of the proposed work:

- A. The name of the applicant is **Melrose Public Works**.
- B. The applicant has filed a Notice of Intent with the Melrose Conservation Commission seeking permission to repair the existing broken drainage pipe within the Buffer Zone to Wetland Resource Areas under the Wetlands Protection Act (MGL Chp. 131, Sec. 40). This work consists of excavation and replacement of a 10-inch corrugated metal pipe with a new 10-inch PVC or HDPE pipe, cleaning of the outfall, and wetland seed planting.
- C. The address of the lot where the activity is proposed is **207 Laurel Street (F7-0-109) and an undeveloped adjacent property (F7-0-107)**.
- D. A **Public Hearing** will be held at the Melrose City Hall Cassidy Conference Room, on June 16, 2022. Commission meetings begin at 7:30 p.m. unless otherwise posted. Although the Conservation Commission does not assign specific times for hearings, you may want to call in advance to obtain a sense of when this application might be heard.
- E. Information on the Notice of Intent can be obtained at the Conservation Commission, City Hall, 562 Main Street, Melrose, MA. Office hours are 8:00 a.m. to 4:00 p.m. Monday through Thursday, 8:00 a.m. to 12:00 p.m. Friday. You may also call 781-979-4312 for more information or to obtain copies of the Notice of Intent.
- F. Notice of the Public Hearing, including its date, time, and place will also be published at least five days in advance in the Melrose/Wakefield Item and posted in the City Hall not less than forty-eight (48) hours in advance of the meeting. You may contact the Melrose Conservation Commission or the Department of Environmental Protection (DEP) Regional Office for more information about this application or the Wetlands Protection Act. To contact the DEP, please call the **Northeast Regional Office at 978-694-3200**.

AFFIDAVIT OF SERVICE

Under the Massachusetts Wetlands Protection Act
(to be submitted to the Massachusetts Department of Environmental Protection and
the Conservation Commission when filing a Notice of Intent)

I, Ardi Elshani, hereby certify under the pains and penalties of perjury that on or about May 25, 2022, I gave notification to abutters in compliance with the second paragraph of Massachusetts General Laws Chapter 131, Section 40, and the DEP Guide to Abutter Notification dated April 8, 1994, in connection with the following matter:

A Notice of Intent was filed under the Massachusetts Wetlands Protection Act by Melrose Public Works with the Melrose Conservation Commission on May 25, 2022, for the drainage pipe repair in an easement off of Laurel Street.

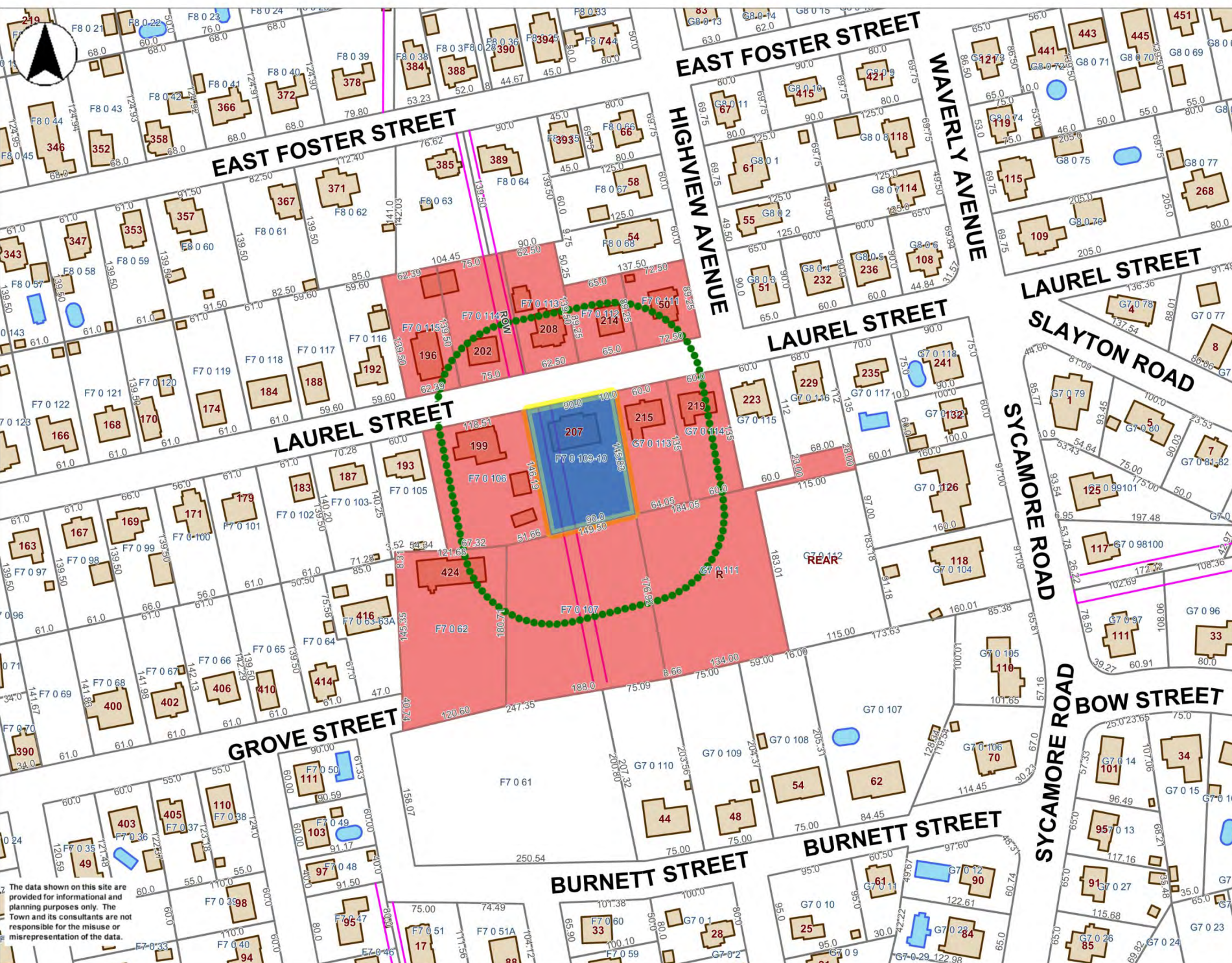
The form of notification, and a list of abutters to whom it was given and their addresses, are attached to this Affidavit of Service.

Ardi Elshani

05/19/2022

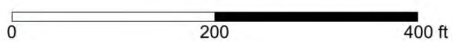
Name

Date



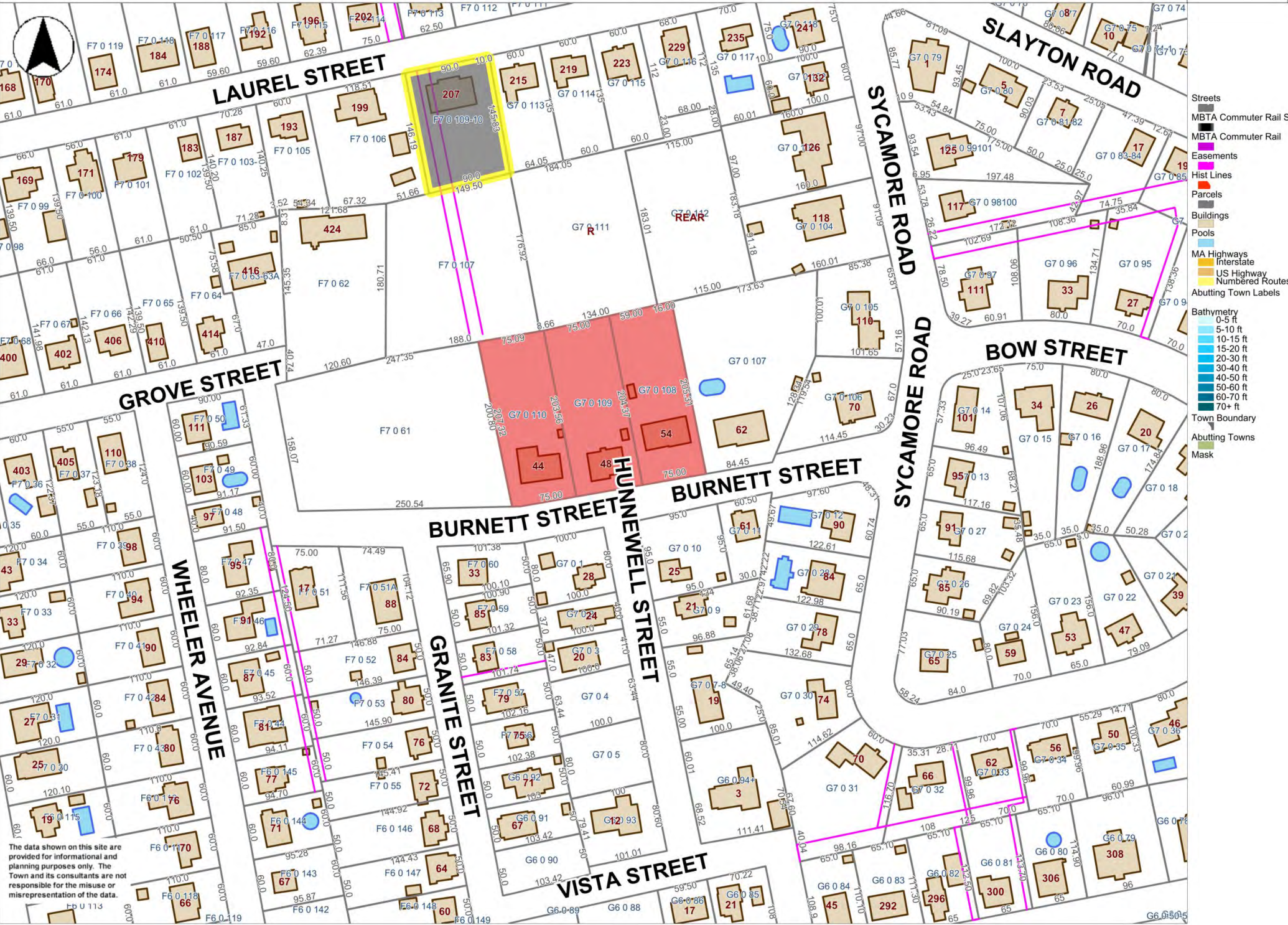
- Streets
- MBTA Commuter Rail Station
- MBTA Commuter Rail
- Easements
- Hist Lines
- Parcels
- Buildings
- Pools
- MA Highways
 - Interstate
 - US Highway
 - Numbered Routes
- Abutting Town Labels
- Bathymetry
 - 0-5 ft
 - 5-10 ft
 - 10-15 ft
 - 15-20 ft
 - 20-30 ft
 - 30-40 ft
 - 40-50 ft
 - 50-60 ft
 - 60-70 ft
 - 70+ ft
- Town Boundary
- Abutting Towns
- Mask

The data shown on this site are provided for informational and planning purposes only. The Town and its consultants are not responsible for the misuse or misrepresentation of the data.

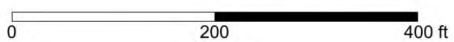


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MapsOnline by PeopleGIS



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MapsOnline by PeopleGIS

ATTACHMENT D
PROPERTY OWNERS

*Notice of Intent
Laurel Street Drainage Easement
Pipe Replacement
Property Owners*

| Parcel ID | Property Owner |
|------------------|-----------------------|
| F7-0-109 | Ernest Rotondi |
| F7-0-107 | Peter Athanas |