



NORSE ENVIRONMENTAL SERVICES, INC.

2100 Lakeview Avenue Unit 3A

Dracut MA 01826

TEL. (978) 649-9932

Website: www.norseenvironmental.com

NOTICE OF INTENT

FOR

555 WEST STREET

ASSESSORS MAP 25 LOT 14

READING, MA

APPLICANT: KAUSHAL PATEL

JULY 2024

PROJECT: 555 WEST STREET - READING

APPLICANT: KAUSHAL PATEL

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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 Number	
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Reading	
City/Town	

A. General Information (continued)

6. General Project Description:

Proposing to raze a portion of the single family dwelling, deck, patio, stairs, walkway, retaining wall, remove shed and gravel play area, to construct an addition, deck, stairs, farmers porch, patio, pervious walkway, repave driveway, rooftop infiltration, driveway infiltration, cut tree, trim trees, plantings, associated grading and utilities within the 100 ft. Buffer Zone and 200 ft. Riverfont Area.

7a. Project Type Checklist: (Limited Project Types see Section A. 7b.)

- 1. Single Family Home
- 2. Residential Subdivision
- 3. Commercial/Industrial
- 4. Dock/Pier
- 5. Utilities
- 6. Coastal engineering Structure
- 7. Agriculture (e.g., cranberries, forestry)
- 8. Transportation
- 9. Other

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

- 1. Yes No If yes, describe which limited project applies to this project. (See 310 CMR 10.24 and 10.53 for a complete list and description of limited project types)

2. Limited Project Type

If the proposed activity is eligible to be treated as an Ecological Restoration Limited Project (310 CMR10.24(8), 310 CMR 10.53(4)), complete and attach Appendix A: Ecological Restoration Limited Project Checklist and Signed Certification.

8. Property recorded at the Registry of Deeds for:

M.S.R.D

a. County

59988

c. Book

b. Certificate # (if registered land)

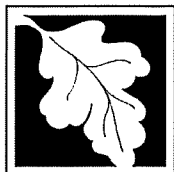
558

d. Page Number

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

- 1. Buffer Zone Only – 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).

Check all that apply below. Attach narrative and any supporting documentation describing how the project will meet all performance standards for each of the resource areas altered, including standards requiring consideration of alternative project design or location.



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

For all projects affecting other Resource Areas, please attach a narrative explaining how the resource area was delineated.

Resource Area	Size of Proposed Alteration	Proposed Replacement (if any)
a. <input type="checkbox"/> Bank	1. linear feet	2. linear feet
b. <input type="checkbox"/> Bordering Vegetated Wetland	1. square feet	2. square feet
c. <input type="checkbox"/> Land Under Waterbodies and Waterways	1. square feet 3. cubic yards dredged	2. square feet

Resource Area	Size of Proposed Alteration	Proposed Replacement (if any)
d. <input type="checkbox"/> Bordering Land Subject to Flooding	1. square feet 3. cubic feet of flood storage lost	2. square feet 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 checked="" type="checkbox"/> Riverfront Area	Aberjona River 1. Name of Waterway (if available) - specify coastal or inland	

2. Width of Riverfront Area (check one):

25 ft. - Designated Densely Developed Areas only

100 ft. - New agricultural projects only

200 ft. - All other projects

3. Total area of Riverfront Area on the site of the proposed project:

15,469 s.f.
square feet

4. Proposed alteration of the Riverfront Area:

2,502 s.f.

a. total square feet

2,502 s.f.

b. square feet within 100 ft.

-0-

c. square feet between 100 ft. and 200 ft.

5. Has an alternatives analysis been done and is it attached to this NOI?

Yes No

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)

Note: for coastal riverfront areas, please complete **Section B.2.f.** above.



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

Check all that apply below. Attach narrative and supporting documentation describing how the project will meet all performance standards for each of the resource areas altered, including standards requiring consideration of alternative project design or location.

Online Users:
Include your document transaction number (provided on your receipt page) with all supplementary information you submit to the Department.

<u>Resource Area</u>	<u>Size of Proposed Alteration</u>	<u>Proposed Replacement (if any)</u>
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 Beach	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
	<u>Size of Proposed Alteration</u>	<u>Proposed Replacement (if any)</u>
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., creation
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. <input type="checkbox"/> Restoration/Enhancement	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 enter the additional amount here.	
	_____	_____
	a. square feet of BVW	b. square feet of Salt Marsh
5. <input type="checkbox"/> Project Involves Stream Crossings		
	_____	_____
	a. number of new stream crossings	b. number of replacement stream crossings



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C. Other Applicable Standards and Requirements

- This is a proposal for an Ecological Restoration Limited Project. Skip Section C and complete Appendix A: Ecological Restoration Limited Project Checklists – Required Actions (310 CMR 10.11).

Streamlined Massachusetts Endangered Species Act/Wetlands Protection Act Review

- 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 and Endangered Species Program (NHESP)? To view habitat maps, see the *Massachusetts Natural Heritage Atlas* or go to http://maps.massgis.state.ma.us/PRI_EST_HAB/viewer.htm.

- 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

2024
 b. Date of map

If yes, the project is also subject to Massachusetts Endangered Species Act (MESA) review (321 CMR 10.18). To qualify for a streamlined, 30-day, MESA/Wetlands Protection Act review, please complete Section C.1.c, and include requested materials with this Notice of Intent (NOI); OR complete Section C.2.f, if applicable. *If MESA supplemental information is not included with the NOI, by completing Section 1 of this form, the NHESP will require a separate MESA filing which may take up to 90 days to review (unless noted exceptions in Section 2 apply, see below).*

- c. Submit Supplemental Information for Endangered Species Review*

- 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

- Project plans for entire project site, including wetland resource areas and areas outside of wetlands 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

* Some projects **not** in Estimated Habitat may be located in Priority Habitat, and require NHESP review (see <https://www.mass.gov/mass-endangered-species-act-mesa-regulatory-review>).

Priority Habitat includes habitat for state-listed plants and strictly upland species not protected by the Wetlands Protection Act.

** MESA projects may not be segmented (321 CMR 10.16). The applicant must disclose full development plans even if such plans are not required as part of the Notice of Intent process.



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C. Other Applicable Standards and Requirements (cont'd)

(c) MESA filing fee (fee information available at <https://www.mass.gov/how-to/how-to-file-for-a-mesa-project-review>).
 Make check payable to "Commonwealth of Massachusetts - NHESP" 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

(f) 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, <https://www.mass.gov/service-details/exemptions-from-review-for-projectsactivities-in-priority-habitat>; 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 # _____ b. Date submitted to NHESP _____

3. Separate MESA review completed.
 Include copy of NHESP "no Take" determination or valid Conservation & Management Permit with approved plan.

3. For coastal projects only, is any portion of the proposed project located below the mean high water line or in a fish run?

a. Not applicable – project is in inland resource area only b. Yes No

If yes, include proof of mailing, hand delivery, or electronic delivery of NOI to either:

South Shore - Bourne to Rhode Island border, and the Cape & Islands:

North Shore - Plymouth to New Hampshire border:

Division of Marine Fisheries -
 Southeast Marine Fisheries Station
 Attn: Environmental Reviewer
 836 South Rodney French Blvd.
 New Bedford, MA 02744
 Email: dmf.envreview-south@mass.gov

Division of Marine Fisheries -
 North Shore Office
 Attn: Environmental Reviewer
 30 Emerson Avenue
 Gloucester, MA 01930
 Email: dmf.envreview-north@mass.gov

Also if yes, the project 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.

c. Is this an aquaculture project? d. Yes No

If yes, include a copy of the Division of Marine Fisheries Certification Letter (M.G.L. c. 130, § 57).



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C. Other Applicable Standards and Requirements (cont'd)

Online Users:
Include your document transaction number (provided on your receipt page) with all supplementary information you submit to the Department.

4. 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 MassDEP Website for ACEC locations). **Note:** electronic filers click on Website.
- b. ACEC
5. 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
6. 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
7. 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. Check why the project is exempt:
1. Single-family house
 2. Emergency road repair
 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

- This is a proposal for an Ecological Restoration Limited Project. Skip Section D and complete Appendix A: Ecological Restoration Notice of Intent – Minimum Required Documents (310 CMR 10.12).

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.

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.



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D. Additional Information (cont'd)

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.

Proposed Site Plan Set for Single-Family Renovation/Addition

a. Plan Title	Boston Civil		Kevin A Quetti
b. Prepared By	7/24/2024		c. Signed and Stamped by
d. Final Revision Date	Stormwater Report		e. Scale
f. Additional Plan or Document Title			July 24, 2024
			g. Date

- 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.

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:

Town of Reading Check #1484	7/23/2024
2. Municipal Check Number	3. Check date
Commonwealth of MA Check #1483	7/23/2024
4. State Check Number	5. Check date
Maureen	Herald
6. Payor name on check: First Name	7. Payor name on check: Last Name



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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.

<p><u><i>[Signature]</i></u> 1. Signature of Applicant</p>	<p><u>7/24/2024</u> 2. Date</p>
<p>3. Signature of Property Owner (if different)</p> <p><u><i>[Signature]</i></u> 5. Signature of Representative (if any)</p>	<p>4. Date</p> <p><u>7/24/24</u> 6. Date</p>

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 any part of Section C, Item 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.



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NOI Wetland Fee Transmittal Form
 Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

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



A. Applicant Information

1. Location of Project:

555 West Street Reading
 a. Street Address b. City/Town
 Check #1483 \$152.50
 c. Check number d. Fee amount

2. Applicant Mailing Address:

Kaushal Patel
 a. First Name b. Last Name

c. Organization
 555 West Street
 d. Mailing Address

Reading MA 01867
 e. City/Town f. State g. Zip Code

630-400-8427 kaushalpatel27@yahoo.com
 h. Phone Number i. Fax Number j. Email Address

3. Property Owner (if different):

a. First Name b. Last Name

c. Organization

d. Mailing Address

e. City/Town f. State g. Zip Code

h. Phone Number i. Fax Number j. Email Address

B. Fees

Fee should be calculated using the following process & worksheet. **Please see instructions before filling out worksheet.**

Step 1/Type of Activity: Describe each type of activity that will occur in wetland resource area and buffer zone.

Step 2/Number of Activities: Identify the number of each type of activity.

Step 3/Individual Activity Fee: Identify each activity fee from the six project categories listed in the instructions.

Step 4/Subtotal Activity Fee: Multiply the number of activities (identified in Step 2) times the fee per category (identified in Step 3) to reach a subtotal fee amount. Note: If any of these activities are in a Riverfront Area in addition to another Resource Area or the Buffer Zone, the fee per activity should be multiplied by 1.5 and then added to the subtotal amount.

Step 5/Total Project Fee: Determine the total project fee by adding the subtotal amounts from Step 4.

Step 6/Fee Payments: To calculate the state share of the fee, divide the total fee in half and subtract \$12.50. To calculate the city/town share of the fee, divide the total fee in half and add \$12.50.

To calculate filing fees, refer to the category fee list and examples in the instructions for filling out WPA Form 3 (Notice of Intent).



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B. Fees (continued)

Step 1/Type of Activity	Step 2/Number of Activities	Step 3/Individual Activity Fee	Step 4/Subtotal Activity Fee
Category 1(a) x 1.5 Riverfront Area	(2)	\$110.00x 1.5	\$330.00

Step 5/Total Project Fee: \$330.00

Step 6/Fee Payments:

Total Project Fee:	<u>\$330.00</u>
State share of filing Fee:	<u>\$152.50</u>
City/Town share of filling Fee:	<u>\$177.50</u>
	a. Total Fee from Step 5
	b. 1/2 Total Fee less \$12.50
	c. 1/2 Total Fee plus \$12.50

C. Submittal Requirements

- a.) Complete pages 1 and 2 and send with a check or money order for the state share of the fee, payable to the Commonwealth of Massachusetts.

Department of Environmental Protection
 Box 4062
 Boston, MA 02211

- b.) **To the Conservation Commission:** Send the Notice of Intent or Abbreviated Notice of Intent; a copy of this form; and the city/town fee payment.

To MassDEP Regional Office (see Instructions): Send a copy of the Notice of Intent or Abbreviated Notice of Intent; a copy of this form; and a copy of the state fee payment. (E-filers of Notices of Intent may submit these electronically.)

**Notification to Abutters Under the
Massachusetts Wetlands Protection Act
And the Reading Wetlands Bylaws**

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

- A. The name of the applicant is Kaushal Patel.
- B. The applicant has filed a Notice of Intent with the Reading Conservation Commission of the Town of Reading seeking permission to remove, fill, dredge, or alter an area subject to protection under the wetlands protection act (General Laws Chapter 131, Section 40).
- C. The address of the lot where the activity is proposed is 555 West Street.
- D. The activity consists of: raze a portion of the single family dwelling, deck, patio, stairs, walkway, retaining wall, remove shed and gravel play area to construct an addition, deck, stairs, farmers porch, patio, pervious walkway, repave driveway, rooftop infiltration, driveway infiltration, cut tree, trim trees, plantings, associated grading and utilities within the 100 ft. Buffer Zone of a Bordering Vegetated Wetland and 200 ft. Riverfront Area.
- E. Copies of the filing may be examined at the Conservation Commission office, Town Hall, between the hours of 8 am - 5:30 pm, Monday, Wednesday & Thursday, Tuesday 8:00 am – 7 pm, Friday's Closed. For more information, call: 781-942-6616.
- F. Copies of the Notice of Intent may be viewed at Norse Environmental Services, Inc. by calling 978-649-9932 during the hours of 8:00 a.m. and 6:00 p.m. on the following days of the week: Monday – Thursday/Friday until 12:00 p.m.
- G. Information regarding the date, time, and place of the public hearing may be obtained from the Conservation Commission Office by calling **781-942-6616** during the hours listed above.

Note: Notice of the public hearing, including its date, time, and place, will be published at least five (5) days in advance in the Reading Daily Times Chronicle.

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

Note: You also may contact the Reading Conservation Commission, 781-942-6616 or the Department of Environmental Protection, DEP, call the Northeast Regional Office, 978-694-3200, for more information about this application or the Wetland Protection Act.





Patriot Properties

Readina

Abutters List

07/03/2024

3:30:01PM

Filter Used: DataProperty.AccountNumber in
(4963,5004,4971,4970,4969,4977,4978,4968,4975,4990,4991,4992,4972,4973,4974,4998,4961,5001,4993,5002,4976,4962)

Subject Parcel ID: 555 West Street Refprt

Subject Property Location:

ParcelID	Location	Owner	Co-Owner	Mailing Address	City	State	Zip
025.0-0000-0001.0	WEST ST	AVALON WFS LLC	C/O PROPERTY TAX DEPAR	1745 SHEA CENTER DR STE	HIGHLANDS RANCCO	MA	80129
025.0-0000-0002.0	550 WEST ST	HARRIS SCOTT R	HARRIS KAYLA A TE	550 WEST ST	READING	MA	01867
025.0-0000-0003.0	532 WEST ST	MILES JOHN	THERESE M MILES	532 WEST ST	READING	MA	01867
025.0-0000-0008.0	540 WEST ST	CHOW KEVIN K W	WONG YEE YVONNE	540 WEST ST	READING	MA	01867
025.0-0000-0009.0	WEST ST	TOWN OF READING	CONSERVATION DEPT	16 LOWELL STREET	READING	MA	01867
025.0-0000-0010.0	WEST ST	TOWN OF READING	MUNICIPAL LIGHT DEPT	16 LOWELL STREET	READING	MA	01867
025.0-0000-0011.0	531 WEST ST	DINGLE SHARON L		531 WEST ST	READING	MA	01867
025.0-0000-0012.0	539 WEST ST	CARR BURTON E TRUSTEE	JEAN C CARR TRUSTEE	539 WEST ST	READING	MA	01867
025.0-0000-0013.0	6 CATHERINE AVE	SOMERS STEPHEN R	BERNADETTE M SOMERS	6 CATHERINE AVENUE	READING	MA	01867
025.0-0000-0014.0	555 WEST ST	PATEL PAYAAL	PATEL KAUSHAL	555 WEST ST	READING	MA	01867
025.0-0000-0015.0	16 CATHERINE AVE	MCGRANE FREDRICK A TR ETAL	MCGRANE FAMILY HOLDINC	16 CATHERINE AVE	READING	MA	01867
025.0-0000-0016.0	20 CATHERINE AVE	MULLINS LINDA C TRUSTEE	MULLINS REV TRUST	20 CATHERINE AVE	READING	MA	01867
025.0-0000-0017.0	22 CATHERINE AVE	ARMSTRONG ANNE V		22 CATHERINE AVE	READING	MA	01867
025.0-0000-0018.0	28 CATHERINE AVE	WALSH THOMAS E	STEFANIE P WALSH	28 CATHERINE AVE	READING	MA	01867
025.0-0000-0030.0	16 COTTAGE PK	STONE BERTRAM W		16 COTTAGE PARK	READING	MA	01867
025.0-0000-0031.0	22 COTTAGE PK	RUANE FRANCIS X TSTE ETAL	LUCY A GRANT RUANE REV	22 COTTAGE PARK	READING	MA	01867
025.0-0000-0032.0	15 CATHERINE AVE	HILL NEIL FRANK	STEPHANIE A HILL	15 CATHERINE AVE	READING	MA	01867
025.0-0000-0033.0	29 CATHERINE AVE	DIGIOVINE ANTHONY D TSTEE ET	DIGIOVINE REV LIVING TRU	29 CATHERINE AVE	READING	MA	01867
025.0-0000-0038.0	571 WEST ST	TOWN OF READING	MUNICIPAL LIGHT DEPT.	16 LOWELL ST	READING	MA	01867
025.0-0000-0041.0	OFF WEST ST	TOWN OF READING	CONSERVATION COMMISSIO	16 LOWELL STREET	READING	MA	01867
025.0-0000-0042.0	WEST ST	TOWN OF READING	CONSERVATION COMMISSIO	16 LOWELL STREET	READING	MA	01867
025.0-0000-0044.0	OFF WEST ST	AUGUSTINIAN HS OFREADING		OFF WEST ST	READING	MA	01867

Parcel Count: 22

End of Report

AFFIDAVIT OF SERVICE

Under the Massachusetts Wetlands Protection Act, M.G.L., c.131, s.40 and Reading General Bylaws, Section 7.1

(To be submitted to the Conservation Commission when filing a Notice of Intent or Abbreviated Notice of Resource Area Delineation or Request for Determination of Applicability)

I, Maureen Herald (Name), hereby certify under the pains and penalties of perjury that on July 24, 2024 (Date), I gave notification to abutters in compliance with the second paragraph of Massachusetts General Laws, c.131, s.40, and the **DEP Guide to Abutter Notification** dated April 8, 1994, and Reading General Bylaws, Section 7.1 in connection with the following matter:

(Check the applicable form.)

X Notice of Intent
 Abbreviated Notice of Resource Area Delineation
 Request for Determination of Applicability
filed under M.G.L., c.131, s.40 and R.G.B., s.7.1 by
Kaushal Patel (Applicant) with the Town of Reading
Conservation Commission on July 24, 2024 (Date) for
property located at 555 West Street (Location).

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

Maureen Herald
Name

7-24-24
Date



NORSE ENVIRONMENTAL SERVICES, INC.

2100 Lakeview Avenue Unit 3A

Dracut MA 01826

TEL. (978) 649-9932

Website: www.norseenvironmental.com

Notice of Intent Report

For

**555 West Street
Reading, MA**

Prepared For

Kaushal Patel
555 West Street
Reading, MA 01867

Prepared By

Norse Environmental Services, Inc.
2100 Lakeview Avenue, Unit 3A
Dracut, MA 01879

July 2024

Narrative

The applicant is proposing to raze a portion of the existing single-family dwelling, deck, patio, stairs, walkway, retaining wall, remove shed and gravel play area to construct an addition, deck, stairs, farmers porch, patio, pervious walkway, repave driveway, rooftop and driveway infiltration, trim trees and cut (1) dying tree, plantings, associated grading and utilities within the 100 ft. Buffer Zone and 200 ft. Riverfront Area of the Aberjona River. Erosion controls shall be set and maintained for the duration of the project.

Site Description

The lot consists of 15,469 +/- s.f. of land located on the easterly side of West Street in Reading, MA. An existing single-family dwelling, deck, patio, walkway, driveway, shed, gravel play area and retaining walls are located on the parcel. The property is serviced by city water and sewer. The lot is landscaped with lawn, ornamental shrubs and trees. The remainder of the parcel is wooded with typical New England Species.

A bordering vegetated wetland and perennial stream, Aberjona River, are located on the parcel. The perennial stream has an associated 100-year flood plain or Bordering Land Subject to Flooding. The FEMA Maps determined the 100-year flood plain to be elevation 80.7 ft. No work is proposed within the 100-year flood plain. The property is not located within NHESP mapping of Estimated and/or Priority Habitat. In addition, there are no certified vernal pools located on the property (see enclosed maps).

Pinebrook Consulting flagged the resource areas and Norse Environmental Services, Inc. performed a site visit 5/20/24 and verified the flagging. Please see the enclosed Pinebrook Consulting Report.

Soils

The Web Soil Survey maps this site as Freetown and Canton series. Canton series consists of nearly level to very steep, deep (5+ ft.), well-drained soils on uplands. They formed in glacial till, ground moraine and ice-contact stratified drift. Canton soils have friable fine sand loam surface soil and subsoil with moderately rapid permeability, over a loamy coarse sand to loamy fine sand substratum at 18 to 36 inches with rapid permeability. Canton soils have a very stony or extremely stony surface, except where stones have been removed and have stones below the surface. Major limitations are related to slope and stoniness.

The wetland is a Freetown Soil. The Freetown series consists of nearly level, deep (5+ ft.) very poorly drained organic soils in depressions and on flat areas of uplands and glacial outwash plains. They formed in 51 inches to many feet of black, highly decomposed organic material (muck) over sandy or loamy mineral material. Permeability is moderate

or moderately rapid. They have a water table which is at or near the surface most of the year. Major limitations are related to wetness and low strength.

310 CMR 10.03: General Provisions: Buffer Zone

(1) Burden of Proof.

(a) Any person who files a Notice of Intent to perform any work within an Area Subject to Protection under M.G.L. c. 131, § 40 or within the Buffer Zone has the burden of demonstrating to the issuing authority:

1. that the area is not significant to the protection of any of the interests identified in M.G.L. c. 131, § 40; or
2. that the proposed work within a resource area will contribute to the protection of the interests identified in M.G.L. c. 131, § 40 by complying with the general performance standards established by 310 CMR 10.00 for that area.

The work proposed within the 100 ft. Buffer Zone and 200 ft. Riverfront Area shall contribute to the protection of the interests identified in M.G.L. c. 131, § 40 by complying with the general performance standards established by 310 CMR 10.00. No work is proposed within the Bordering Vegetated Wetland or Bank.

3. that proposed work within the buffer zone will contribute to the protection of the interests identified in M.G.L. c. 131, § 40, except that proposed work which lies both within the riverfront area and within all or a portion of the buffer zone to another resource area shall comply with the performance standards for riverfront areas at 310 CMR 10.58. For minor activities as specified in 310 CMR 10.02(2)b.1. within the riverfront area or the buffer zone to another resource area, the Department has determined that additional conditions are not necessary to contribute to the protection of the interests identified in M.G.L. c. 131, § 40.

The work proposed within the Buffer Zone and 200 ft. Riverfront Area shall comply with 310 CMR 10.00 the Massachusetts Wetland Protection Act.

310 CMR 10.58 Riverfront Area

The applicant is proposing to work within the 200 ft. Riverfront Area of the Aberjona River. The work is proposed within existing impervious and lawn area. The dwelling was constructed in 1956 and predates 310 CMR 10.00, Wetland Protection Act, Reading Wetland Protection Bylaws and Regulations.

10.58(5) Redevelopment Within Previously Developed Riverfront Areas; Restoration and Mitigation. Notwithstanding the provisions of 310 CMR 10.58(4)(c) and (d), the issuing authority may allow work to redevelop a previously developed riverfront area, provided the proposed work improves existing conditions. Redevelopment means replacement, rehabilitation or expansion of existing structures, improvement of existing roads, or reuse of degraded or previously developed areas. A previously developed riverfront area contains areas degraded prior to August 7, 1996, by impervious surfaces from existing

structures or pavement, absence of topsoil, junkyards, or abandoned dumping grounds. Work to redevelop previously developed riverfront areas shall conform to the following criteria:

The property is degraded with an existing single-family dwelling, retaining walls, concrete patio, walkways and driveway. The applicant is proposing to raze a portion of the dwelling, deck, patio, stairs, walkway, retaining wall, remove shed and gravel play area, to construct an addition, deck, stairs, farmers porch, patio, pervious walkway, repave driveway, rooftop and driveway infiltration, trim trees, cut (1) dying tree and install native plantings.

(a) At a minimum, proposed work shall result in an improvement over existing conditions of the capacity of the riverfront area to protect the interests identified in M.G.L. c. 131 § 40. When a lot is previously developed but no portion of the riverfront area is degraded, the requirements of 310 CMR 10.58(4) shall be met.

The project shall improve the existing conditions by incorporating native plants, rooftop and driveway infiltration and replacing the concrete walkway with pervious pavers. The project proposes a net decrease of 159 s.f. of impervious area. Erosion controls shall be set and maintained for the duration of the project.

(b) Stormwater management is provided according to standards established by the Department.

The single-family dwelling is exempt from Stormwater Management Standards however, the project proposes rooftop and driveway infiltration.

(c) Within 200-foot riverfront areas, proposed work shall not be located closer to the river than existing conditions or 100 feet, whichever is less, or not closer than existing conditions within 25-foot riverfront areas, except in accordance with 310 CMR 10.58(5)(f) or (g).

The proposed work is NOT closer than the existing conditions. The project proposes native plantings along the Bordering Vegetated Wetland.

(d) Proposed work, including expansion of existing structures, shall be located outside the riverfront area or toward the riverfront area boundary and away from the river, except in accordance with 310 CMR 10.58(5)(f) or (g).

The proposed addition, deck and walkway are NOT proposed closer than existing conditions. The applicant is improving the riverfront area by installing native shrub plantings, rooftop and driveway infiltration. Erosion controls shall be set and maintained for the duration of the project.

(e) The area of proposed work shall not exceed the amount of degraded area, provided that the proposed work may alter up to 10% if the degraded area is less than 10% of the riverfront area, except in accordance with 310 CMR 10.58(5)(f) or (g).

The proposed work shall NOT exceed the degraded area. The total lot area is 15,469 s.f. and the existing impervious area is 2661 s.f. The project proposes 2502 s.f. of impervious area or a net decrease of 159 s.f. (please see Plan sheet page C-3).

Town of Reading General Bylaws and Wetland Protection Regulations

Section 3 Performance Standards for Resource Areas

D. Zone of Natural Vegetation

1. Bordering any wetland, the Commission may require a Zone of Natural Vegetation (ZNV) of sufficient width and vegetative community type to assure that silt, soil, fertilizer in solution, organic chemicals, herbicides, organic manures, oils or petroleum products which may be carried by surface run-off shall not reach that wetland, but instead will be trapped by the natural mulch, soil and roots; and that light levels and temperature shall be moderated; and that dispersal of seeds of exotic or otherwise disruptive plant species, such as phragmites reed and purple loosestrife (*Lythrum salicaria*) shall be avoided; and that other alterations shall be avoided or mitigated within the wetland.

The applicant is proposing to remove a shed and native plantings within the 25 ft. Zone of Natural Vegetation.

2. Under most conditions, a zone width of a minimum of twenty-five feet would be considered sufficient to accomplish this purpose. A wider ZNV may be required, depending on specific site conditions, such as grades, soil permeability or other impact potential.

The 25 ft. Zone of Natural Vegetation (ZNV) has an existing shed and lawn area. The applicant is proposing to improve the existing conditions by planting native shrubs and one tree. The dwelling was constructed in 1956 and predates 310 CMR 10.00, Wetland Protection Act, Reading Wetland Protection Bylaws and Regulations. If the Commission requires the 25 ft. ZNV to be restored, then the homeowner will lose approximately 40% of the lot area. Given the existing site conditions the applicant is requesting the existing lawn area to remain.

3. Excavations for proposed structures extend beyond the finished limits of the structures. The extent of excavation varies depending on: the nature of the structure; the soil; depth of excavation; type of equipment used; construction techniques; slope; incidence of precipitation; groundwater flow; soil saturation and freeze/thaw cycles; existing vegetative cover; or other ground cover. An area of curtilage is developed around structures as a result of access for finish work, maintenance, foot traffic, and machine travel such as lawnmowers; and to provide a clear area for security; and to prevent moisture damage and physical damage from shading and plant structures such as tree limbs.

Excavation for the addition is proposed greater than 35 ft. Erosion controls shall be set and maintained for the duration of the project.

4. To protect the integrity of the Zone of Natural Vegetation, including the associated root system and canopy, no new foundations, including footings, frost walls or other inground structures, shall be permitted within ten feet of the ZNV. Depending on special site conditions, a greater distance may be required. Associated structures, including but not limited to the following: cantilevered structures, bay windows, eaves, and, garrisons, or other overhangs, may protrude to no closer than seven feet from the ZNV.

The project proposes to remove the shed and plant native shrubs and (1) tree within the ZNV. The proposed addition and deck are greater than 35 ft. from the wetland.

5. Notwithstanding the standards of the preceding paragraph, the Commission may grant a reduced setback distance of structures from the ZNV as a consideration of specific site conditions, such as limited vegetative cover or an existing developed condition, and provided that a permanent physical delineation, such as a solid hedge or an appropriate permanent fence or wall, of sufficient height, shall be provided and shall be maintained between the structure and the ZNV.

The applicant is requesting the Commission to reduce the 25 ft. ZNV and allow the existing lawn area. The project proposes to improve the existing conditions by native plantings, incorporating rooftop and driveway infiltration.

6. Permanent markers shall be installed and maintained in convenient locations along the limits of the ZNV, such as at any corners or along a radius, no more than fifty feet apart. Markers may be stone or concrete bounds, metal pipes or rods, trees, shrubs or other structures as approved.

Markers/posts can be added to the Zone of Natural Vegetation to provide a permanent demarcation of the area.

Standard replacement Tree and Shrub policy Reading Wetland Protection Bylaw Section 7.1.

1. Planting within the buffer zone must be a native species or cultivar of a native species approved in advance by the Conservation Commission.

A list of native species is provided on page C-3 of the Site Plan.

2. A tree six inches or greater in caliper that is cut with a remaining tree trunk that is between 8-15 feet tall above grade (called a snag) does not require the installation of a replacement plantings. This option may be preferred by the Commission when a large tree threatens structures but is within the Zone of Natural Vegetation. These snags provide habitat and food for wildlife.

The project proposes to trim trees, cut (1) dying tree and leave the stump. The applicant shall replace the (1) tree with a native tree.

3. If any tree within the Buffer Zone is cut down without leaving a snag, the tree shall be replaced with new plantings according to the replacement Tree and Shrub schedule below.

The project proposes to cut (1) dying tree and trim trees.

4. Replacement plantings must be installed within 180 days of the day the existing tree is cut. Replacement plantings that do not survive for at least two growing seasons must be replaced. No Certificate of Compliance shall be issued if the plants have not been established for at least two growing seasons without an established surety acceptable to the Commission.

The tree shall be installed within 180 days. Plantings that do not survive for at least two growing seasons shall be replaced.

Unofficial Property Record Card - Reading, MA

General Property Data

Parcel ID 025.0-0000-0014.0	Account Number 0970000000070
Prior Parcel ID --	Property Location 555 WEST ST
Property Owner PATEL PAYAAL	Property Use ONE FAM
PATEL KAUSHAL	Most Recent Sale Date 9/12/2012
Mailing Address 555 WEST ST	Legal Reference 59988-558
City READING	Grantor SAWYER WILFRED M,
Mailing State MA Zip 01867	Sale Price
Parcel Zoning S20	Land Area 0.355 acres

Current Property Assessment

Card 1 Value	Building Value	Xtra Features Value	Land Value	Total Value
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Building Description

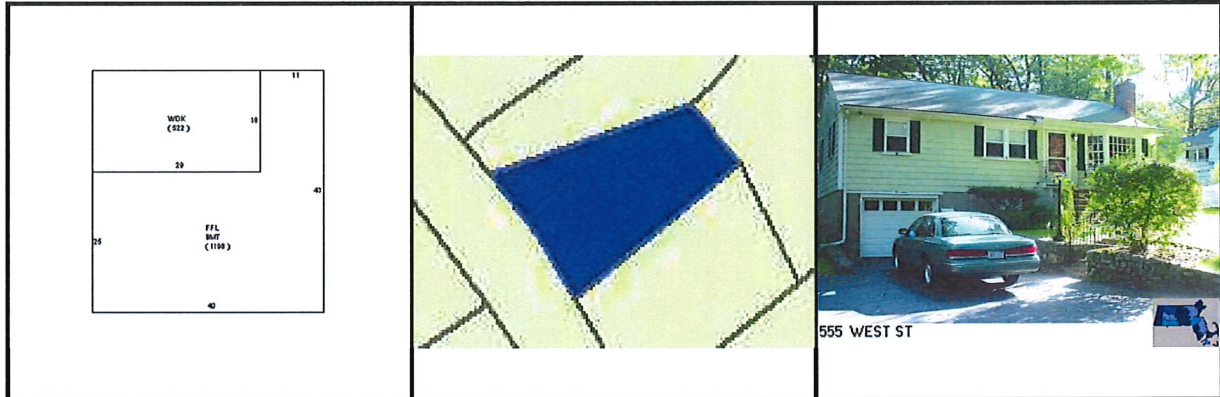
Building Style RANCH	Foundation Type CONCRETE	Flooring Type HARDWOOD
# of Living Units 1	Frame Type WOOD	Basement Floor CONCRETE
Year Built 1956	Roof Structure GABLE	Heating Type FORCED H/W
Building Grade AVERAGE	Roof Cover ASPHALT	Heating Fuel OIL
Building Condition Avg-Good	Siding WOOD SHING	Air Conditioning 100%
Finished Area (SF) 1198	Interior Walls DRYWALL	# of Bsmt Garages 1
Number Rooms 6	# of Bedrooms 3	# of Full Baths 1
# of 3/4 Baths 0	# of 1/2 Baths 0	# of Other Fixtures 1

Legal Description

Narrative Description of Property

This property contains 0.355 acres of land mainly classified as ONE FAM with a(n) RANCH style building, built about 1956 , having WOOD SHING exterior and ASPHALT roof cover, with 1 unit(s), 6 room(s), 3 bedroom(s), 1 bath(s), 0 half bath(s).

Property Images



Disclaimer: This information is believed to be correct but is subject to change and is not warranted.

PINEBROOK



CONSULTING

May 1, 2023

Kaushal Patel
555 West Street
Reading, Massachusetts 01867

RE: Wetland Delineation on Property #555 West Street
Reading, Massachusetts

Dear Kaushal:

On April 3, 2023; at your request; I visited the above-referenced property (referred to as the site) to delineate the boundary of the wetland resource areas on/off the site. The resource areas are defined under Section 10.55 and 10.58 of the Massachusetts Wetlands Protection Regulations (310 CMR 10.00) (Regulations) and under the Town of Reading Wetlands Protection By-law (By-law) as bordering vegetated wetland (BVW) and riverfront, respectively. An unnamed perennial stream; located on/off the northerly side of the site; was identified in the field with blue flags labeled MHW-1 thru MHW-9. The boundary of the stream is fairly well-defined by a shallow bank and represents the point from which the 100 and 200-foot riverfront on the site is measured. The boundary of the BVW, associated with the stream, was identified with pink flags labeled WF-1 thru WF-9 and is defined by the slope and/or presence of plant species such as red maple (*Acer rubrum*), white pine (*Pinus strobus*), grey birch (*Betula populifolia*) and white oak (*Quercus alba*) trees/saplings; highbush blueberry (*Vaccinium corymbosum*), hop hornbeam (*Ostrya virginiana*), speckled alder (*Alnus incana*), grape (*Vitis*, spp.), green brier (*Smilax glauca*), bittersweet (*Celastrus orbiculata*) and common buckthorn (*Rhamnus frangula*) in the shrub/vine layer; and cinnamon fern (*Osmunda cinnamomea*), skunk cabbage (*Symplocarpus foetidus*), perriwinkle (*Vinor minor*) and sensitive fern (*Onoclea sensibilis*) in the herbaceous layer. The BVW is also characterized by other hydrologic indicators such as standing water, buttressed roots and saturated/hydric soils.

According to the most recent Massachusetts Natural Heritage Atlas (15th Edition, August 1, 2021), the site is not mapped within estimated habitat for rare wildlife/species and there are no vernal pools on the site.

If you have any questions regarding this delineation and/or you need additional information, please feel free to call me at any time. I am glad I could assist you with this project and let me know if I can assist you in the future.

Sincerely,
PINEBROOK CONSULTING

Brooke Monroe, Environmental Scientist

Tree Removal and Trimmings for NOI – 555 West St, Reading, MA

NORTHEAST TREE INC.

62 Holton Street
Woburn, MA 01801
(781) 944- 9885 OR (781) 935-1988
Office@northeasttreeinc.com



April 11. 2024

To Whom it May Concern at Conservation,

Northeast Tree is looking to do property trimming for overall safety and health of trees overhanging at 555 West Street, Reading.

Trimming includes Major Trimming of the Large Oak to create clearance for the roof and structure that will be added to the home. Proper cuts will be made to live growth and to crotches to ensure the health and longevity of the tree.

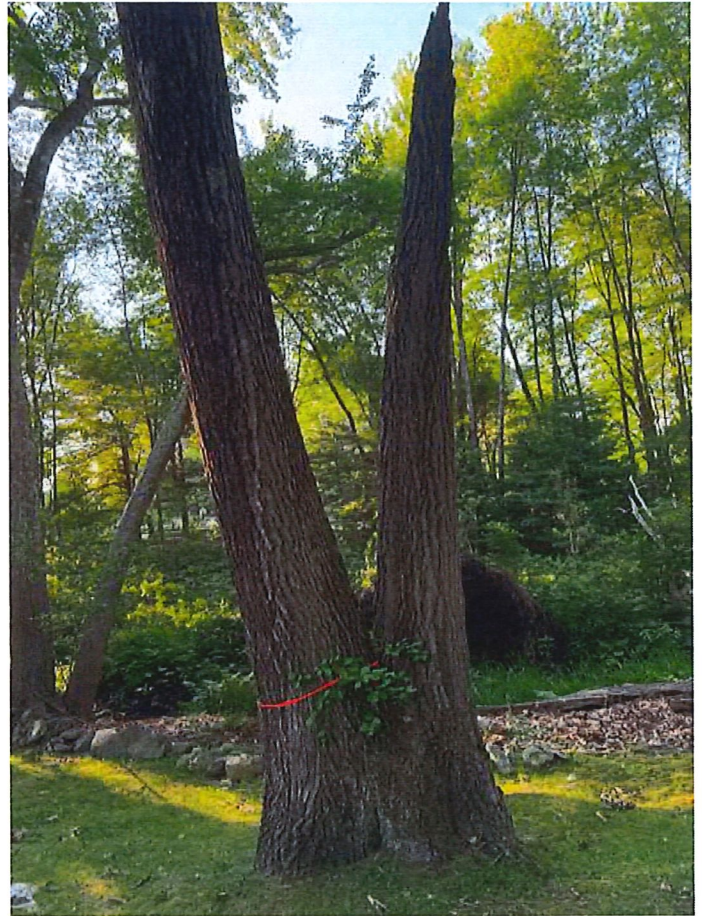
Along the right of the property Branches will be trimmed for safety and structural clearance.

At the back right of the property major trimming would include the double leadered oak. There's rot where the leaders meet, so the arching and heavily weighted leader leaning over the property would be cut to the crotch. This would allow more nutrients to sustain the health of the remaining leader. It would also eliminate the high risk and safety issue of the overhanging and heavily weighted leader.

Removal of the back left double leadered Oak near the shed. One leader has already broken off. There is major rot in the crotch where the 2 leaders meet. The rot is visually evident as decades of debris is sitting between the trunk leaders and it is sustaining growth of a 2 new plants/sucker trees. The remaining leader is heavily weighted and leans towards the swing set and patio, therefore creating heightened safety issues to this tree.

Any Questions please contact the office.

James FitzPatrick Jr.
MCA # 2084



Tree near the shed needs to be removed



Trim only the split with orange ribbon leaning towards my property



Trim to create clearance for roof and the structure



Trim to create clearance for roof and the structure



Trim to create clearance for roof and the structure



Trim to create clearance for roof and the structure

Tax Map 25

Reading Massachusetts FY 2024



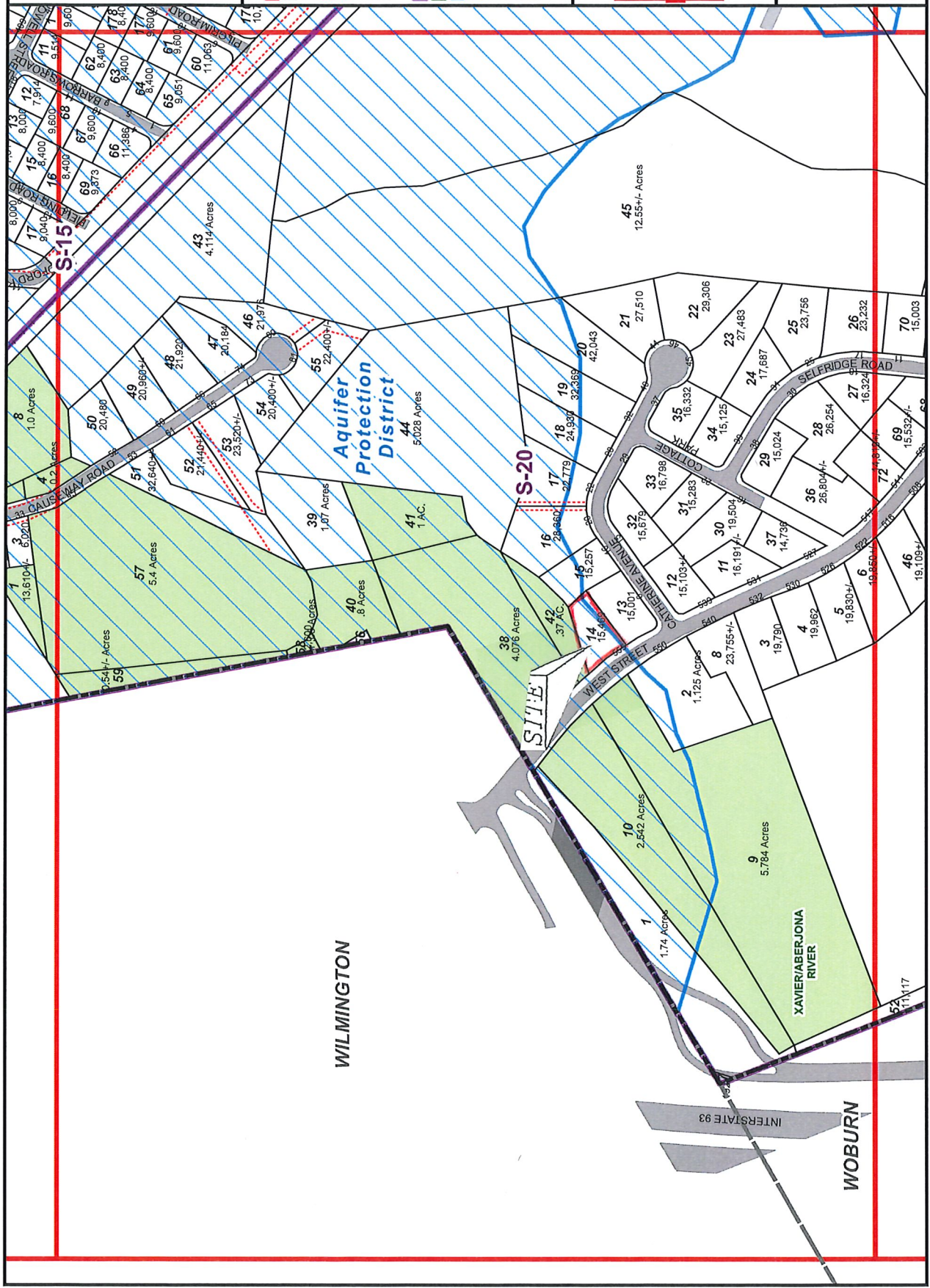
- Legend**
- Parcel Map
 - Town Boundary
 - Parcel
 - Easement
 - Unverified Easement
 - Cons. Restriction
 - Town Owned Land
 - Town Building
 - Zoning District
 - Subdistrict
 - Aquifer Prot. Dist.
 - Overlay District
- Roads**
- Bridge
 - Paved
 - Unpaved
 - Railroad

60	61	62	63	64	65	66	67	68	69
55	56	57	58	59	50	51	52	53	54
45	46	47	48	49	40	41	42	43	44
35	36	37	38	39	30	31	32	33	34
25	26	27	28	29	20	21	22	23	24
15	16	17	18	19	10	11	12	13	14
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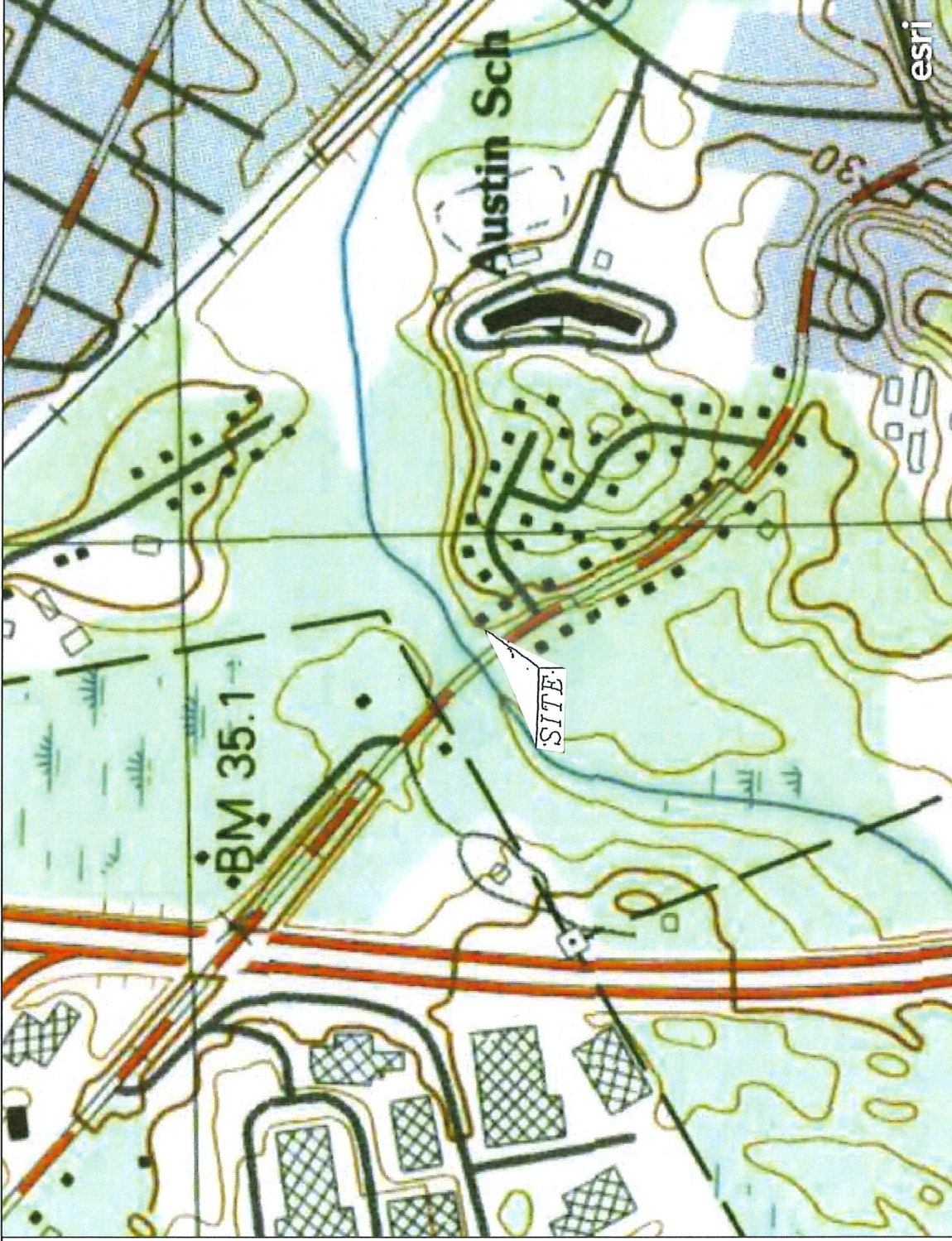
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Parcels current as of 1/1/24.
Zoning approved 4/27/17.
This map is only an assessment
map and does not constitute
intended to be used in place
of an actual survey or legal
description of the property.



USGS Topographic Quadrangle Maps

No legend



USGS 1:25,000 Topographic Maps for Massachusetts. Scanned map images published as a tile service by MassGIS at ArcGIS Online.

600ft

MassGIS | USGS, MassGIS

Soil Map—Middlesex County, Massachusetts
(555 West Street - Reading)



Soil Map may not be valid at this scale.

Map Scale: 1:468 if printed on A landscape (11" x 8.5") sheet

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 19N WGS84

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.










































Soil Survey Area: Middlesex County, Massachusetts
Survey Area Data: Version 23, Sep 12, 2023

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Mar 1, 2023—Sep 1, 2023

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

MAP LEGEND

- | | |
|--|---|
|  Area of Interest (AOI) |  Spoil Area |
|  Soils |  Stony Spot |
|  Soil Map Unit Polygons |  Very Stony Spot |
|  Soil Map Unit Lines |  Wet Spot |
|  Soil Map Unit Points |  Other |
|  Special Point Features |  Special Line Features |
|  Blowout |  Water Features |
|  Borrow Pit |  Streams and Canals |
|  Clay Spot |  Transportation |
|  Closed Depression |  Rails |
|  Gravel Pit |  Interstate Highways |
|  Gravelly Spot |  US Routes |
|  Landfill |  Major Roads |
|  Lava Flow |  Local Roads |
|  Marsh or swamp |  Background |
|  Mine or Quarry |  Aerial Photography |
|  Miscellaneous Water | |
|  Perennial Water | |
|  Rock Outcrop | |
|  Saline Spot | |
|  Sandy Spot | |
|  Severely Eroded Spot | |
|  Sinkhole | |
|  Slide or Slip | |
|  Sodic Spot | |

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
52A	Freetown muck, 0 to 1 percent slopes	0.4	80.5%
255A	Windsor loamy sand, 0 to 3 percent slopes	0.0	0.2%
422B	Canton fine sandy loam, 0 to 8 percent slopes, extremely stony	0.1	19.3%
Totals for Area of Interest		0.5	100.0%

National Flood Hazard Layer FIRMette



71°08'12"W 42°33'24"N

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

	Without Base Flood Elevation (BFE) <i>Zone A, V, A99</i>
	With BFE or Depth <i>Zone AE, AO, AH, VE, AR</i>
	Regulatory Floodway

	0.2% Annual Chance Flood Hazard, Area of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile <i>Zone X</i>
	Future Conditions 1% Annual Chance Flood Hazard <i>Zone X</i>
	Area with Reduced Flood Risk due to Levee. See Notes. <i>Zone X</i>
	Area with Flood Risk due to Levee <i>Zone D</i>

	NO SCREEN	Area of Minimal Flood Hazard <i>Zone X</i>
	Effective LOMRS	
	Area of Undetermined Flood Hazard	<i>Zone X</i>

	Channel, Culvert, or Storm Sewer
	Levee, Dike, or Floodwall

	20.2	Cross Sections with 1% Annual Chance
	17.5	Water Surface Elevation
	8	Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
		Hydrographic Feature

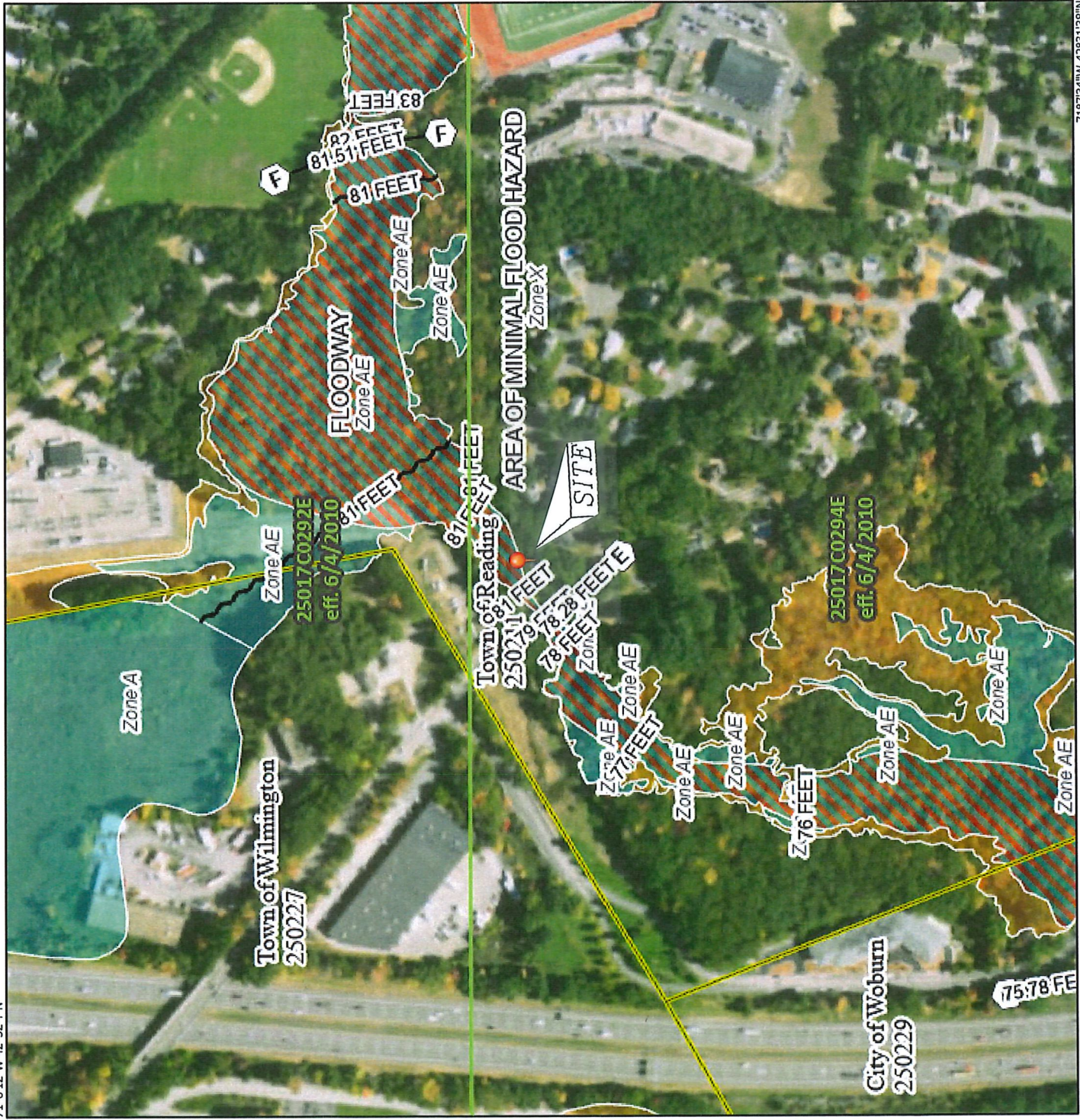
	Digital Data Available
	No Digital Data Available
	Unmapped

	The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.
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This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 5/16/2024 at 1:48 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.



71°07'34"W 42°31'38"N

0 250 500 1,000 1,500 2,000 Feet

1:6,000

555 West Street - Reading



NHESP Certified Vernal Pools



Potential Vernal Pools



NHESP Priority Habitats of Rare Species:



NHESP Estimated Habitats of Rare Wildlife



Property Tax Parcels