Abbreviated Notice of Resource Area Delineation

Massachusetts Wetlands Protection Act (M.G.L. c.131 §.40)
&
Chapter 171 Littleton Wetlands Protection Bylaw

550 Newtown Road
Littleton, Massachusetts

Submitted to:
Littleton Conservation Commission
37 Shattuck Street
1st Floor, B100
Littleton, MA 01460

MassDEP Central Regional Office
8 New Bond Street
Worcester, MA 01606

Submitted by:
SROA 550 Newtown MA, LLC
550 Newtown Road
Littleton, MA 01460

Prepared by:
Epsilon Associates, Inc.
3 Mill & Main Place, Suite 250
Maynard, MA 01754

Epsilon ASSOCIATES INC.

August 26, 2024

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Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

WPA Form 4A – Abbreviated Notice of Resource Area Delineation

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

Provided by MassDEP:

MassDEP File Number

Document Transaction Number

Littleton
City/Town

A. General Information

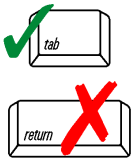
1. Project Location (**Note:** electronic filers will click on button for GIS locator):

550 Newtown Road — a. Street Address
Littleton — b. City/Town
01460 — c. Zip Code

Latitude and Longitude:
42.51326 — d. Latitude
-71.47120 — e. Longitude

U30 — f. Assessors Map/Plat Number
10 0 — g. Parcel /Lot Number

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



2. Applicant:

a. First Name
b. Last Name
SROA 550 Newtown MA, LLC — c. Organization
550 Newtown Road — d. Mailing Address
Littleton — e. City/Town
MA — f. State
01460 — g. Zip Code
561-722-4706 — h. Phone Number
i. Fax Number
Beau@sroa.com — j. Email Address

3. Property owner (if different from applicant):

☐ Check if more than one owner (attach additional sheet with names and contact information)

c/o Benjamin S. — a. First Name
Macfarland III — b. Last Name
SROA 550 Newtown MA, LLC — c. Organization
2751 South Dixie Highway, Suite 450 — d. Mailing Address
West Palm Beach — e. City/Town
FL — f. State
33405 — g. Zip Code
561-722-4706 — h. Phone Number
i. Fax Number
Beau@sroa.com — j. Email Address

Note: Before completing this form consult your local Conservation Commission regarding any municipal bylaw or ordinance.

4. Representative (if any):

Greg J. — a. Contact Person First Name
Hochmuth — b. Contact Person Last Name
Epsilon Associates, Inc. — c. Organization
3 Mill & Main Place,, Suite 250 — d. Mailing Address
Maynard — e. City/Town
MA — f. State
01754 — g. Zip Code
978-461-6218 — h. Phone Number
i. Fax Number
ghochmuth@wsengineers.com — j. Email Address

Fees will be calculated for online users.

5. Total WPA Fee Paid (from attached ANRAD Wetland Fee Transmittal Form):

$2,000.00 — a. Total Fee Paid
$987.50 — b. State Fee Paid
$1,012.50 +($506.25 Bylaw) — c. City/Town Fee Paid

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B. Area(s) Delineated

1. Bordering Vegetated Wetland (BVW) — 1,143 +/- Linear Feet of Boundary Delineated

2. Check all methods used to delineate the Bordering Vegetated Wetland (BVW) boundary:

   a. ☒ MassDEP BVW Field Data Form (attached)

   b. ☒ Other Methods for Determining the BVW boundary (attach documentation):

      1. ☐ 50% or more wetland indicator plants
      2. ☒ Saturated/inundated conditions exist
      3. ☒ Groundwater indicators
      4. ☒ Direct observation
      5. ☒ Hydric soil indicators
      6. ☐ Credible evidence of conditions prior to disturbance

3. Indicate any other resource area boundaries that are delineated:

a. Resource Area	b. Linear Feet Delineated
Bordering Land Subject to Flooding - Zone A, 100 Year FEMA Floodplain	Graphic Depiction
c. Resource Area	d. Linear Feet Delineated

C. Additional Information

Applicants must include the following plans with this Abbreviated Notice of Resource Area Delineation. 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. ☒ ANRAD (Delineation Plans only)
2. ☒ 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.)
3. ☒ Plans identifying the boundaries of the Bordering Vegetated Wetlands (BVW) (and/or other resource areas, if applicable).
4. ☐ List the titles and final revision dates for all plans and other materials submitted with this Abbreviated Notice of Resource Area Delineation.

D. Fees

Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

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The fees for work proposed under each Abbreviated Notice of Resource Area Delineation must be calculated and submitted to the Conservation Commission and the Department (see Instructions and Wetland Fee Transmittal Form).

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 the attached Wetland Fee Transmittal Form) to confirm fee payment:

4202	8/16/2024
2. Municipal Check Number	3. Check date
4201	8/16/2024
4. State Check Number	5. Check date
Elite Stor Construction, LLC	
6. Payor name on check: First Name	7. Payor name on check: Last Name

E. Signatures

I certify under the penalties of perjury that the foregoing Abbreviated Notice of Resource Area Delineation and accompanying plans, documents, and supporting data are true and complete to the best of my knowledge. I

Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

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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 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.

I hereby grant permission, to the Agent or member of the Conservation Commission and the Department of Environmental Protection, to enter and inspect the area subject to this Notice at reasonable hours to evaluate the wetland resource boundaries subject to this Notice, and to require the submittal of any data deemed necessary by the Conservation Commission or Department for that evaluation.

I acknowledge that failure to comply with these certification requirements is grounds for the Conservation Commission or the Department to take enforcement action.

Beau Raich - VP Real Estate Development	8/14/2024
1. Signature of Applicant	2. Date
Benjamin S. Macfarland III, Authorized Signatory	8/14/2024
3. Signature of Property Owner (if different)	4. Date
	8/19/2024
5. Signature of Representative (if any)	6. Date

For Conservation Commission:
Two copies of the completed Abbreviated Notice of Resource Area Delineation (Form 4A), including supporting plans and documents; two copies of the ANRAD Wetland Fee Transmittal Form; and the city/town fee payment must be sent to the Conservation Commission by certified mail or hand delivery.

For MassDEP:
One copy of the completed Abbreviated Notice of Resource Area Delineation (Form 4A), including supporting plans and documents; one copy of the ANRAD Wetland Fee Transmittal Form; and a copy of the state fee payment must be sent to the MassDEP Regional Office (see Instructions) by certified mail or hand delivery. (E-filers may submit these electronically.)

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.

Attachment A

Site Description

ATTACHMENT A SITE DESCRIPTION

1.0 Overview

Epsilon Associates, Inc. ("Epsilon") prepared this Abbreviated Notice of Resource Area Delineation ("ANRAD") on behalf of SROA 550 Newtown MA, LLC to document the wetland resource areas identified and delineated on a portion of the subject property, 550 Newtown Road, Assessors Map U30, Parcel 10, i.e., the "Study Area". The limits of the Study Area are depicted on Figure 1 - USGS Locus Map and Figure 2 - Aerial Locus Map (found in Attachment B - Figures). This ANRAD describes existing site conditions and wetland resource areas that were field delineated by Epsilon, and the jurisdictional status for each delineated unit. The surveyed wetland boundaries are presented on the ANRAD Plan prepared by Merrimack Engineering Services, presented in Attachment G –ANRAD Plan. It is important to note that the applicant is only seeking confirmation of the jurisdictional wetland resource areas impacting the northern portion of the property, behind the existing building.

As described in further detail below, Epsilon identified two (2) jurisdictional wetland resource areas that impact the subject property. Bordering Land Subject to Flooding ("BLSF"), as well as Bordering Vegetated Wetlands ("BVW").

2.0 Existing Site Conditions

550 Newtown Road is approximately 40 acres in size with frontage on Newtown Road, as well as Omega Way. The Study Area is developed with a commercial building, associated paved driveway and parking area, with the remainder of the parcel undeveloped with forested uplands and wetlands. Developed residential properties border the Study Area to the northeast and northwest, and the southern property boundary borders Fort Pond.

One BVW series, southeast of the existing building, was delineated only. There are additional wetlands located on the remainder of the parcel that were not flagged with their approximate limits identified on Figure 3 in Attachment B. According to the National Wetlands Inventory, these wetlands consist of Palustrine Emergent wetlands ("PEM"), and Palustrine Forested wetlands ("PFO"). Field observations made by Epsilon confirm this classification. The topography in the Study Area consists of slopes with approximately 70-feet of elevation difference from toe of slope along the delineated BVW boundary, elevation 240, to elevation 310 along the Newtown Road frontage.

According to the Federal Emergency Management Agency – Flood insurance Rate Map (FEMA-FIRM) for the parcel (community panel number 25017C0238F effective 07/7/2014), the closest mapped floodplain is a Zone A (EL unknown) and located in the PEM south of the A-Series BVW. (See Figure 4 in Attachment B).

According to the NRCS Web Soil Survey, the upland portions of the Study Area are mapped as Paxton and Woodbridge fine sandy loams, and the wetland portions are mapped as Swansea & Freetown muck. (See Figure 5 in Attachment B).

According to the Natural Heritage and Endangered Species Program ("NHESP") (MassGIS, 2021), there are no mapped Priority and Estimated Habitats located on the parcel. (See Figure 3 in Attachment B)

3.0 State Jurisdictional Wetland Resources On-Site

The following wetland resource areas regulated by the Massachusetts Wetland Protection Act (the "Act" or "WPA") [M.G.L. c. 131, §40] and defined in the Wetland Protection Regulations [310 CMR 10.00 et seq.] ("Regulations"), and Chapter 171 Littleton Wetlands Bylaw were identified in the Study Area.

3.1 Bordering Vegetated Wetlands

According to 310 CMR 10.55, BVW's are freshwater wetlands which border on creeks, rivers, streams, ponds, and lakes. The types of freshwater wetlands are wet meadows, marshes, swamps, and bogs. Bordering Vegetated Wetlands are areas where the soils are saturated and/or inundated such that they support a predominance of wetland indicator plants. The ground and surface water regime and the vegetative community which occur in each type of freshwater wetland are specified in the Act. Bordering Vegetated Wetlands are likely to be significant to public or private water supply, to ground water supply, to flood control, to storm damage prevention, to prevention of pollution, to the protection of fisheries and to wildlife habitat. A 100-foot buffer zone is associated with BVW.

One BVW system was identified and delineated within the Study Area.

3.2 Bordering Land Subject to Flooding

According to 310 CMR 10.57, BLSF is an area with low, flat topography adjacent to and inundated by flood waters rising from creeks, rivers, streams, ponds, or lakes. It extends from the banks of these waterways and water bodies; where a bordering vegetated wetland occurs, it extends from said wetland.

The boundary of BLSF is the estimated maximum lateral extent of flood water which will theoretically result from the statistical 100-year frequency storm. Said boundary shall be that determined by reference to the most recently available flood profile data prepared for the community within which the work is proposed under the National Flood Insurance Program (NFIP, currently administered by the Federal Emergency Management Agency, successor to the U.S. Department of Housing and Urban Development). Said boundary, so determined, shall be presumed accurate.

A Zone A, 100-year FEMA Floodplain exists, south of the A-Series BVW, that is BLSF, and is shown on the ANRAD Plan in Attachment G.

4.0 Wetland Delineation Methodology

Vegetated Wetlands were delineated in accordance with the U.S Army Corps of Engineers Wetland Delineation Manual (USACE, 1987) the "Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northeast Region, Version 2.0 (2012), the Massachusetts Wetland Protection Act and implementing regulations (310 CMR 10.00), and the Massachusetts Department of Environmental Protection's Handbook for Delineation of Bordering Vegetated Wetlands, Second Edition, September 2022 and the Littleton Wetlands Protection Bylaw (Chapter 171).

The boundaries of the wetland resource areas were delineated in the field by tying brightly colored blue survey ribbons to woody vegetation. Colored ribbons were placed sufficiently close together to clearly identify wetland/resource area edges and to allow survey crews to see adjacent flags from one another. Flags were labeled successively using alpha numeric identifiers.

4.1 Field Delineated Wetland Resource Areas

Epsilon identified a BVW in the northern portion of the Study Area, at the toe of slope, behind the existing building, and delineated the portion that sheds a buffer zone into the Study Area. The portion of BVW delineated is contiguous with an extensive BVW system located on the parcel that borders on intermittent streams and Fort Pond.

Bordering Vegetated Wetlands

<u>BVW Series A (flags A-1 through A-42)</u>

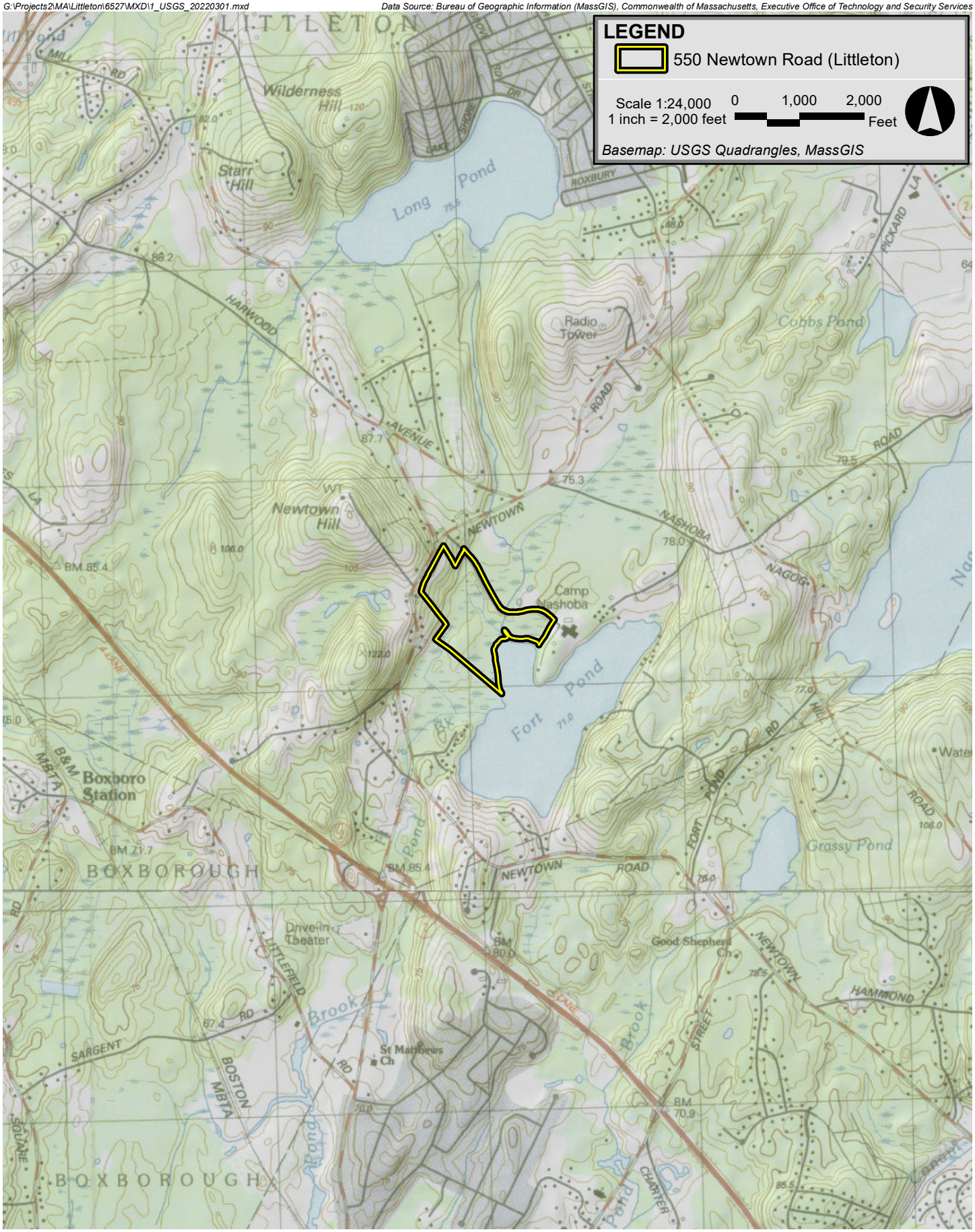
This series delineates the boundaries of a PFO/PEM BVW located in the northern portion of the Study Area at the toe of a forested hillside. This BVW is contiguous with an extensive BVW system that borders on intermittent streams and Fort Pond, located outside of the Study Area. The substrate in this wetland was mucky with water at or near the surface in many areas along its length at the time of delineation.

Dominant wetland vegetation included: American elm (*Ulmus americana*), ironwood (*Carpinus caroliniana*), winterberry (*Ilex verticillata*, FACW), silky dogwood (*Swida amomum*, FACW), green briar (*Smilax hispida*), cattail (*Typha angustifolia*), royal fern (*Osmunda regalis*), cinnamon fern (*Osmundastrum cinnamomeum*, FACW), Common reed (*phragmites spp.)* sensitive fern (*Onoclea sensibilis*, FACW), and tussock sedge (*Carex stricta*).

Dominant upland vegetation included white pine (*Pinus strobus*, FACU), honeysuckle spp. (*Lonicera spp.)*, multiflora rose (*Rosa multiflora)*, fox grape (*Vitis labrusca*, FACU), Asiatic bittersweet (*Celastrus orbiculatus*, UPL), and garlic mustard (*Alliaria petiolata*).

Attachment B

Figures



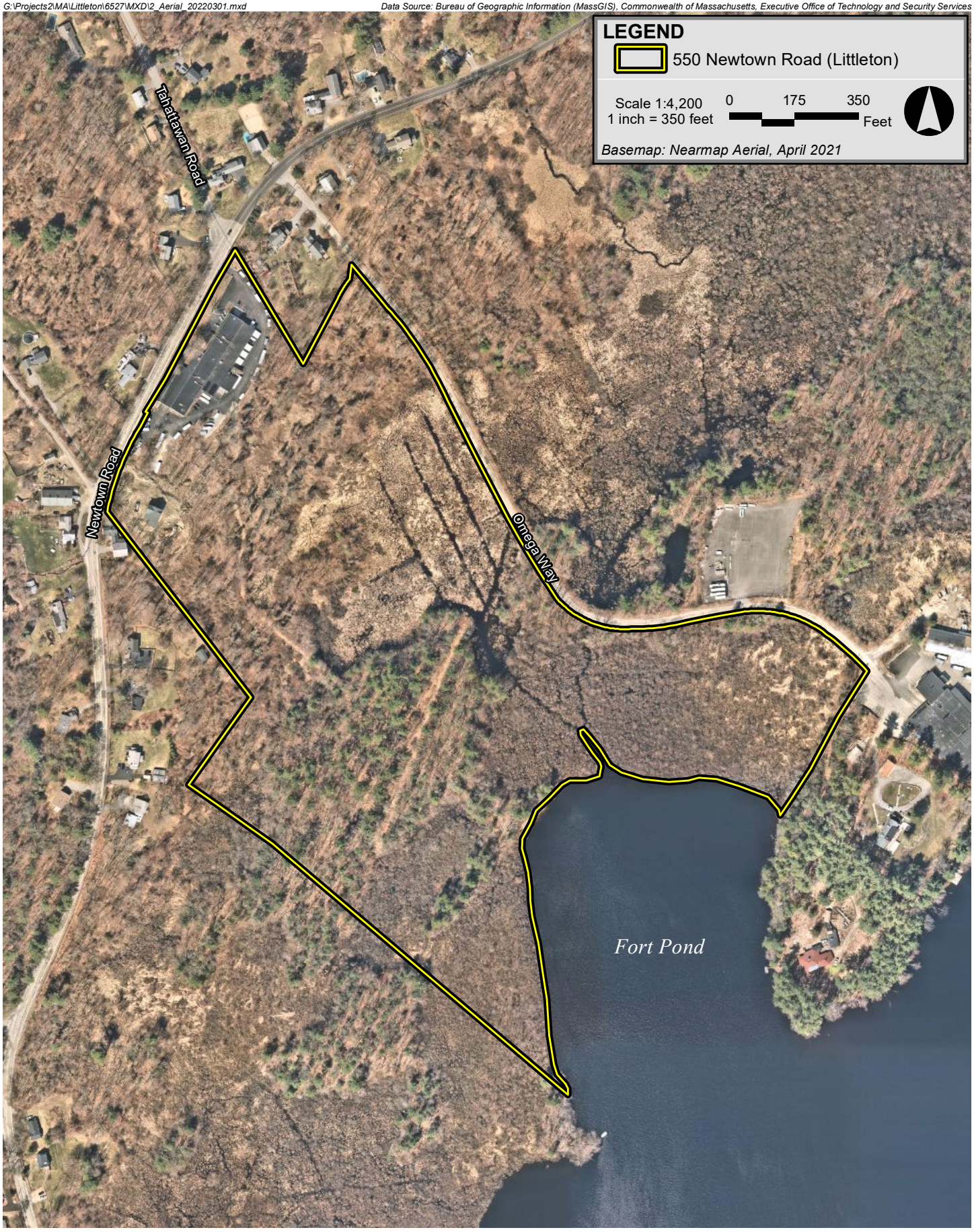
550 Newtown Road Littleton, Massachusetts

Epsilon ASSOCIATES INC.

Figure 1

USGS Locus Map

Data Source: Bureau of Geographic Information (MassGIS), Commonwealth of Massachusetts, Executive Office of Technology and Security Services

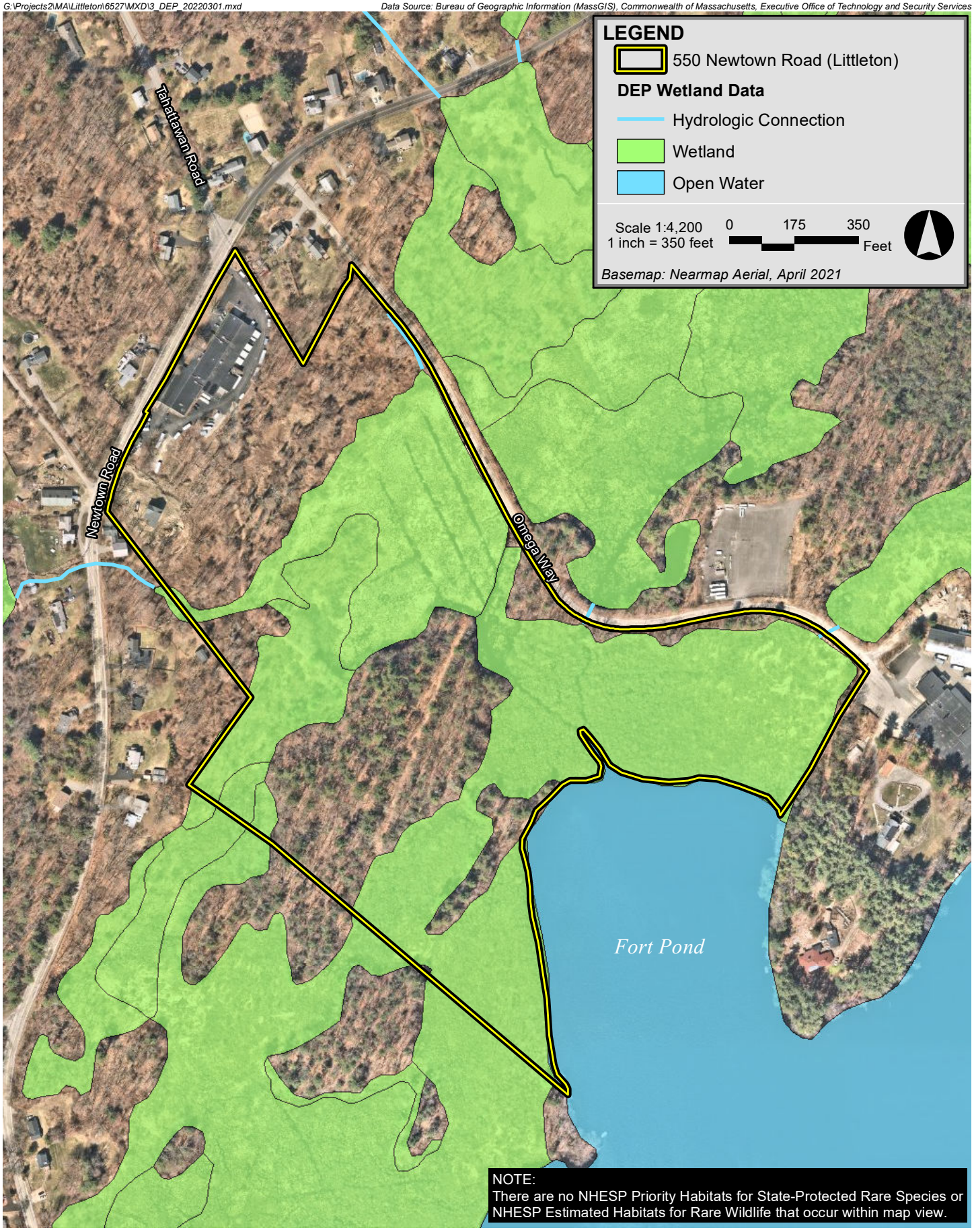


550 Newtown Road Littleton, Massachusetts

Epsilon ASSOCIATES INC.

Figure 2
Aerial Locus Map

Data Source: Bureau of Geographic Information (MassGIS), Commonwealth of Massachusetts, Executive Office of Technology and Security Services



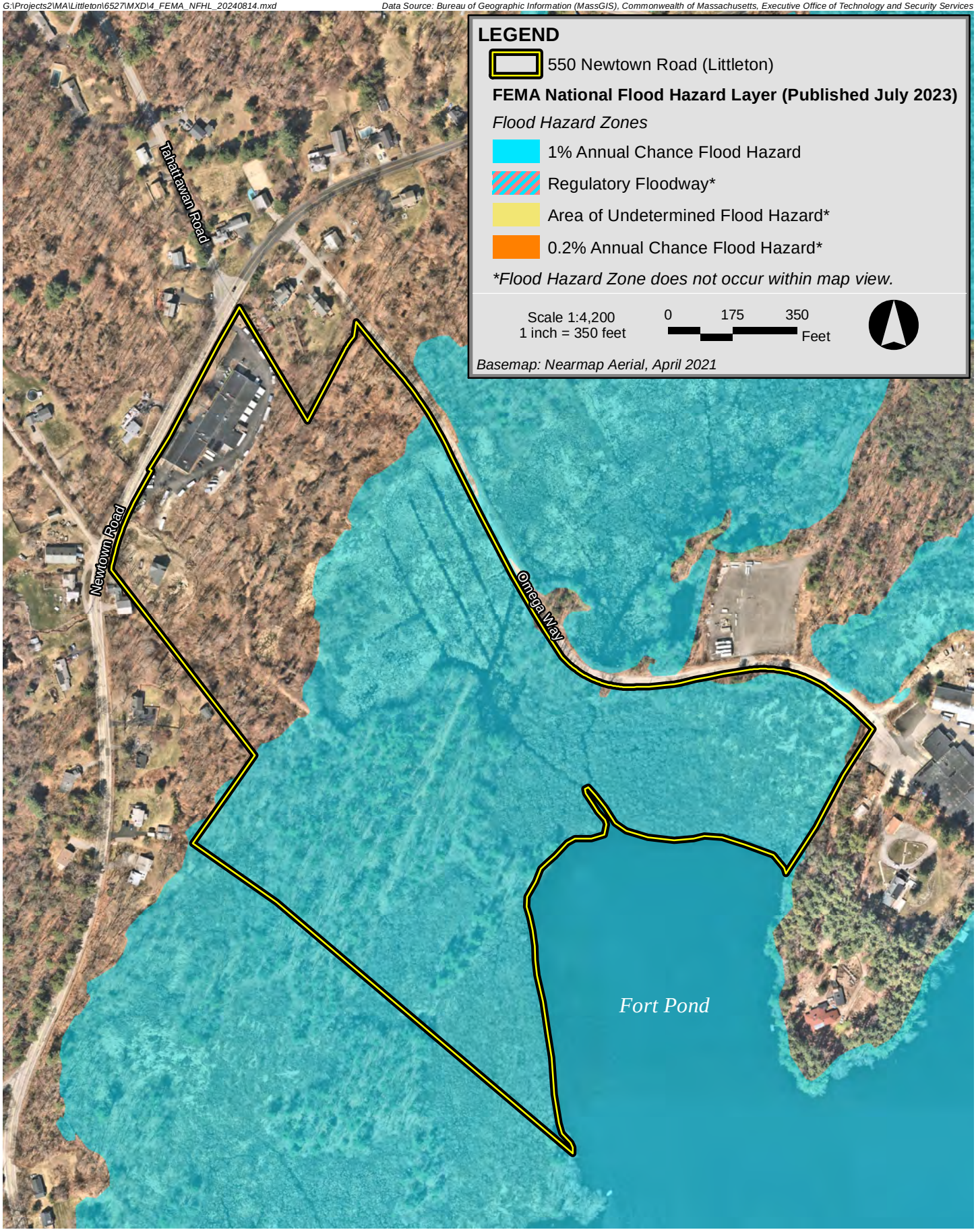
550 Newtown Road Littleton, Massachusetts

Epsilon ASSOCIATES INC.

Figure 3

DEP Wetlands

Data Source: Bureau of Geographic Information (MassGIS), Commonwealth of Massachusetts, Executive Office of Technology and Security Services



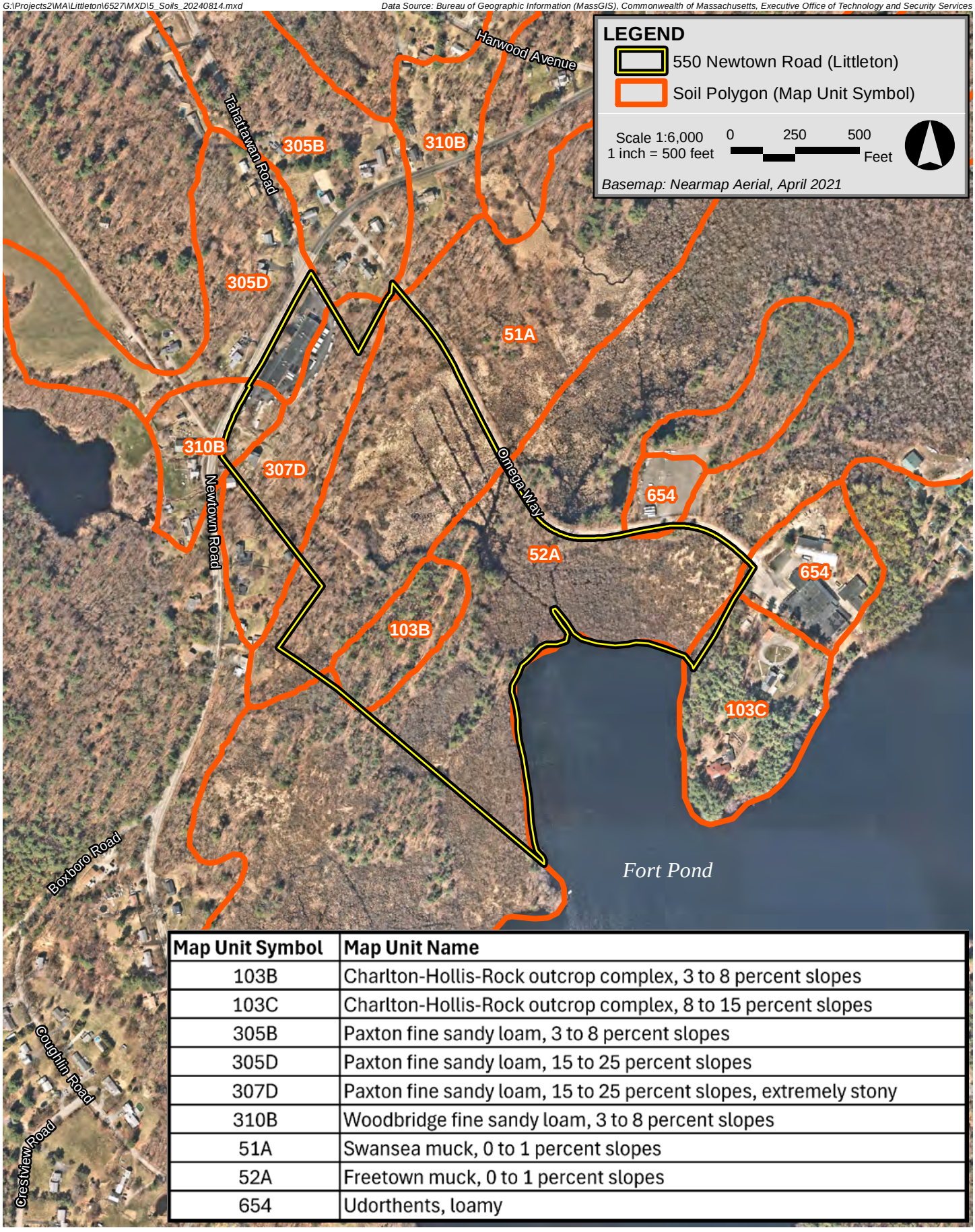
550 Newtown Road Littleton, Massachusetts

Epsilon Associates Inc.

Figure 4

FEMA National Flood Hazard Layer (July 2023)

Data Source: Bureau of Geographic Information (MassGIS), Commonwealth of Massachusetts, Executive Office of Technology and Security Services



Map Unit Symbol	Map Unit Name
103B	Charlton-Hollis-Rock outcrop complex, 3 to 8 percent slopes
103C	Charlton-Hollis-Rock outcrop complex, 8 to 15 percent slopes
305B	Paxton fine sandy loam, 3 to 8 percent slopes
305D	Paxton fine sandy loam, 15 to 25 percent slopes
307D	Paxton fine sandy loam, 15 to 25 percent slopes, extremely stony
310B	Woodbridge fine sandy loam, 3 to 8 percent slopes
51A	Swansea muck, 0 to 1 percent slopes
52A	Freetown muck, 0 to 1 percent slopes
654	Udorthents, loamy

550 Newtown Road Littleton, Massachusetts

Epsilon Associates Inc.

Figure 5

SSURGO-Certified Soils (NRCS)

Attachment C

Photos

Photo 1: View of A-Series BVW looking east towards Omega Way

Photo 2: View of A-Series BVW looking south into PEM.

Photo 3: Photo showing typical hydric soil core.

Photo 4: Photo showing typical upland soil core.

Attachment D

Bordering Vegetated Wetland Determination Forms

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: 550 Newtown Road City/County: Littleton, MA Sampling Date: 2-23-2022

Applicant/Owner: Storage Rentals of America State: MA Sampling Point: DP-UA-1

Investigator(s): Keith Downing, Rose DiBenedetto Section, Township, Range:

Landform (hillside, terrace, etc.): Local relief (concave, convex, none): Slope (%): 0-1

Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 42.513656 Long: -71.471786 Datum:

Soil Map Unit Name: Swansea Muck NWI classification:

Are climatic / hydrologic conditions on the site typical for this time of year? Yes x No (If no, explain in Remarks.)

Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes x No

Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes	No x	**Is the Sampled Area**
Hydric Soil Present?	Yes	No x	**within a Wetland?** **Yes** **No** x
Wetland Hydrology Present?	Yes	No x	If yes, optional Wetland Site ID:

Remarks: (Explain alternative procedures here or in a separate report.)

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- Surface Water (A1)
- High Water Table (A2)
- Saturation (A3)
- Water Marks (B1)
- Sediment Deposits (B2)
- Drift Deposits (B3)
- Algal Mat or Crust (B4)
- Iron Deposits (B5)
- Inundation Visible on Aerial Imagery (B7)
- Sparsely Vegetated Concave Surface (B8)
- x Water-Stained Leaves (B9)
- Aquatic Fauna (B13)
- Marl Deposits (B15)
- Hydrogen Sulfide Odor (C1)
- Oxidized Rhizospheres on Living Roots (C3)
- Presence of Reduced Iron (C4)
- Recent Iron Reduction in Tilled Soils (C6)
- Thin Muck Surface (C7)
- Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- Surface Soil Cracks (B6)
- Drainage Patterns (B10)
- Moss Trim Lines (B16)
- Dry-Season Water Table (C2)
- Crayfish Burrows (C8)
- Saturation Visible on Aerial Imagery (C9)
- Stunted or Stressed Plants (D1)
- Geomorphic Position (D2)
- Shallow Aquitard (D3)
- Microtopographic Relief (D4)
- FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes	No x	Depth (inches):
Water Table Present?	Yes	No x	Depth (inches):
Saturation Present? (includes capillary fringe)	Yes	No x	Depth (inches):

Wetland Hydrology Present? **Yes** **No** x

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

VEGETATION – Use scientific names of plants. Sampling Point: DP-UA-1

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. *Acer platanoides*	40	Yes	UPL
2. *Acer rubrum*	20	Yes	FAC
3.			
4.			
5.			
6.			
7.			
	60	=Total Cover	
Sapling/Shrub Stratum (Plot size: 15)			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
		=Total Cover	
Herb Stratum (Plot size: 5)			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
		=Total Cover	
Woody Vine Stratum (Plot size: 30)			
1. *Celastrus orbiculatus*	30	Yes	UPL
2. *Vitis labrusca*	20	Yes	FACU
3. *Smilax spp.*	5	No	
4.			
	55	=Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

Total Number of Dominant Species Across All Strata: 4 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 25.0% (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	20	x 3 =	60
FACU species	20	x 4 =	80
UPL species	70	x 5 =	350
Column Totals:	110 (A)		490 (B)
Prevalence Index = B/A =			4.45

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is ≤3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? **Yes** ___ **No** X

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: DP-UA-1

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth	Matrix		Redox Features					
(inches)	Color (moist)	%	Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-11	10YR 3/4	100					Sandy	
11-24	10YR 5/8	100					Sandy	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ High Chroma Sands (S11) (**LRR K, L)**
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Marl (F10) (**LRR K, L**)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (F21)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? **Yes** ___ **No** X

Remarks:

This data form is revised from Northcentral and Northeast Regional Supplement Version 2.0 to reflect the NRCS Field Indicators of Hydric Soils version 7.0 March 2013 Errata. (http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_051293.docx)

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: 550 Newtown Road City/County: Littleton, MA Sampling Date: 2-23-2022

Applicant/Owner: Storage Rentals of America State: MA Sampling Point: DP-WA-1

Investigator(s): Keith Downing, Rose DiBenedetto Section, Township, Range:

Landform (hillside, terrace, etc.): Local relief (concave, convex, none): Slope (%): 0-1

Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 42.513656 Long: -71.471786 Datum:

Soil Map Unit Name: Swansea Muck NWI classification:

Are climatic / hydrologic conditions on the site typical for this time of year? Yes x No (If no, explain in Remarks.)

Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes x No

Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes x	No	**Is the Sampled Area**	
Hydric Soil Present?	Yes x	No	**within a Wetland?**	**Yes** x **No**
Wetland Hydrology Present?	Yes x	No	If yes, optional Wetland Site ID:	

Remarks: (Explain alternative procedures here or in a separate report.)

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

Surface Water (A1)	x Water-Stained Leaves (B9)	Aquatic Fauna (B13)
High Water Table (A2)	Marl Deposits (B15)	Hydrogen Sulfide Odor (C1)
x Saturation (A3)	Oxidized Rhizospheres on Living Roots (C3)	Presence of Reduced Iron (C4)
Water Marks (B1)	Recent Iron Reduction in Tilled Soils (C6)	Thin Muck Surface (C7)
Sediment Deposits (B2)	Other (Explain in Remarks)	
Drift Deposits (B3)		
Algal Mat or Crust (B4)		
Iron Deposits (B5)		
Inundation Visible on Aerial Imagery (B7)		
Sparsely Vegetated Concave Surface (B8)		

Secondary Indicators (minimum of two required)

- Surface Soil Cracks (B6)
- Drainage Patterns (B10)
- Moss Trim Lines (B16)
- Dry-Season Water Table (C2)
- Crayfish Burrows (C8)
- Saturation Visible on Aerial Imagery (C9)
- Stunted or Stressed Plants (D1)
- Geomorphic Position (D2)
- Shallow Aquitard (D3)
- Microtopographic Relief (D4)
- X FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes	No x	Depth (inches):	
Water Table Present?	Yes x	No	Depth (inches):	19in
Saturation Present? (includes capillary fringe)	Yes x	No	Depth (inches):	0in

Wetland Hydrology Present? **Yes** x **No**

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

VEGETATION – Use scientific names of plants. Sampling Point: DP-WA-1

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. *Acer rubrum*	15	Yes	FAC
2.			
3.			
4.			
5.			
6.			
7.			
	15	=Total Cover	
Sapling/Shrub Stratum (Plot size: 15)			
1. *Rosa multiflora*	10	Yes	FACU
2.			
3.			
4.			
5.			
6.			
7.			
	10	=Total Cover	
Herb Stratum (Plot size: 5)			
1. *Onoclea sensibilis*	20	Yes	FACW
2. *Spiraea alba*	10	Yes	FACW
3. *Solidago spp.*	10	Yes	
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	40	=Total Cover	
Woody Vine Stratum (Plot size: 30)			
1. *Smilax rotundifolia*	70	Yes	FAC
2.			
3.			
4.			
	70	=Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 4 (A)

Total Number of Dominant Species Across All Strata: 6 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 66.7% (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	30	x 2 =	60
FAC species	85	x 3 =	255
FACU species	10	x 4 =	40
UPL species	0	x 5 =	0
Column Totals:	125 (A)		355 (B)

Prevalence Index = B/A = 2.84

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

X 2 - Dominance Test is >50%

X 3 - Prevalence Index is ≤3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? **Yes** X **No** ___

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: DP-WA-1

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth	Matrix		Redox Features					
(inches)	Color (moist)	%	Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-29	10YR 3/2	90	2.5YR 4/8	10	C	M	muck	iron deposits

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- X Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ High Chroma Sands (S11) (**LRR K, L)**
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Marl (F10) (**LRR K, L**)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (F21)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? **Yes** X **No** ___

Remarks:

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WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: 550 Newtown Road City/County: Littleton, MA Sampling Date: 2-23-2022

Applicant/Owner: Storage Rentals of America State: MA Sampling Point: DP-UA-2

Investigator(s): Keith Downing, Rose DiBenedetto Section, Township, Range:

Landform (hillside, terrace, etc.): Local relief (concave, convex, none): Slope (%): 0-1

Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 42.513656 Long: -71.471786 Datum:

Soil Map Unit Name: Swansea Muck NWI classification:

Are climatic / hydrologic conditions on the site typical for this time of year? Yes x No (If no, explain in Remarks.)

Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes x No

Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes	No x	**Is the Sampled Area**
Hydric Soil Present?	Yes	No x	**within a Wetland?** **Yes** **No** x
Wetland Hydrology Present?	Yes	No x	If yes, optional Wetland Site ID:

Remarks: (Explain alternative procedures here or in a separate report.)

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- Surface Water (A1)
- High Water Table (A2)
- Saturation (A3)
- Water Marks (B1)
- Sediment Deposits (B2)
- Drift Deposits (B3)
- Algal Mat or Crust (B4)
- Iron Deposits (B5)
- Inundation Visible on Aerial Imagery (B7)
- Sparsely Vegetated Concave Surface (B8)
- Water-Stained Leaves (B9)
- Aquatic Fauna (B13)
- Marl Deposits (B15)
- Hydrogen Sulfide Odor (C1)
- Oxidized Rhizospheres on Living Roots (C3)
- Presence of Reduced Iron (C4)
- Recent Iron Reduction in Tilled Soils (C6)
- Thin Muck Surface (C7)
- Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- Surface Soil Cracks (B6)
- Drainage Patterns (B10)
- Moss Trim Lines (B16)
- Dry-Season Water Table (C2)
- Crayfish Burrows (C8)
- Saturation Visible on Aerial Imagery (C9)
- Stunted or Stressed Plants (D1)
- Geomorphic Position (D2)
- Shallow Aquitard (D3)
- Microtopographic Relief (D4)
- FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes	No x	Depth (inches):
Water Table Present?	Yes	No x	Depth (inches):
Saturation Present? (includes capillary fringe)	Yes	No x	Depth (inches):

Wetland Hydrology Present? **Yes** **No** x

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

VEGETATION – Use scientific names of plants. Sampling Point: DP-UA-2

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. *Quercus alba*	35	Yes	FACU
2. *Rhus hirta*	20	Yes	UPL
3.			
4.			
5.			
6.			
7.			
	55	=Total Cover	
Sapling/Shrub Stratum (Plot size: 15)			
1. *Lonicera spp.*	15	Yes	FACU
2. *Swida amomum*	10	Yes	FACW
3.			
4.			
5.			
6.			
7.			
	25	=Total Cover	
Herb Stratum (Plot size: 5)			
1. *Solidago canadensis*	15	Yes	FACU
2. *Rubus allegheniensis*	5	Yes	FACU
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	20	=Total Cover	
Woody Vine Stratum (Plot size: 30)			
1. *Celastrus orbiculatus*	25	Yes	UPL
2. *Vitis labrusca*	30	Yes	FACU
3. *Smilax spp.*	20	Yes	FAC
4.			
	75	=Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 9 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 22.2% (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	10	x 2 =	20
FAC species	20	x 3 =	60
FACU species	100	x 4 =	400
UPL species	45	x 5 =	225
Column Totals:	175 (A)		705 (B)

Prevalence Index = B/A = 4.03

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is ≤3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? **Yes** ___ **No** X

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: DP-UA-2

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth	Matrix		Redox Features					
(inches)	Color (moist)	%	Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-11	10YR 3/6	100					Sandy	
11-20	7.5YR 4/6	100					Sandy	gravel;

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ High Chroma Sands (S11) (**LRR K, L)**
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Marl (F10) (**LRR K, L**)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (F21)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? **Yes** ___ **No** X

Remarks:

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WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: 550 Newtown Road City/County: Littleton, MA Sampling Date: 2-23-2022

Applicant/Owner: Storage Rentals of America State: MA Sampling Point: DP-WA-2

Investigator(s): Keith Downing, Rose DiBenedetto Section, Township, Range:

Landform (hillside, terrace, etc.): Local relief (concave, convex, none): Slope (%): 0-1

Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 42.513656 Long: -71.471786 Datum:

Soil Map Unit Name: Swansea Muck NWI classification:

Are climatic / hydrologic conditions on the site typical for this time of year? Yes x No (If no, explain in Remarks.)

Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes x No

Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes x	No	**Is the Sampled Area**	
Hydric Soil Present?	Yes x	No	**within a Wetland?**	**Yes** x **No**
Wetland Hydrology Present?	Yes x	No	If yes, optional Wetland Site ID:	

Remarks: (Explain alternative procedures here or in a separate report.)

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

Surface Water (A1)	x Water-Stained Leaves (B9)	Aquatic Fauna (B13)
High Water Table (A2)	Marl Deposits (B15)	
x Saturation (A3)	Hydrogen Sulfide Odor (C1)	
Water Marks (B1)	Oxidized Rhizospheres on Living Roots (C3)	
Sediment Deposits (B2)	Presence of Reduced Iron (C4)	
Drift Deposits (B3)	Recent Iron Reduction in Tilled Soils (C6)	
Algal Mat or Crust (B4)	Thin Muck Surface (C7)	
Iron Deposits (B5)	Other (Explain in Remarks)	
Inundation Visible on Aerial Imagery (B7)		
Sparsely Vegetated Concave Surface (B8)		

Secondary Indicators (minimum of two required)

Surface Soil Cracks (B6)	
Drainage Patterns (B10)	
Moss Trim Lines (B16)	
Dry-Season Water Table (C2)	
Crayfish Burrows (C8)	
Saturation Visible on Aerial Imagery (C9)	
Stunted or Stressed Plants (D1)	
Geomorphic Position (D2)	
Shallow Aquitard (D3)	
Microtopographic Relief (D4)	
X FAC-Neutral Test (D5)	

Field Observations:

Surface Water Present?	Yes	No x	Depth (inches):	
Water Table Present?	Yes x	No	Depth (inches):	7in
Saturation Present? (includes capillary fringe)	Yes x	No	Depth (inches):	0in

Wetland Hydrology Present? **Yes** x **No**

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

VEGETATION – Use scientific names of plants.

Sampling Point: DP-WA-2

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	=Total Cover		
Sapling/Shrub Stratum (Plot size: 15)			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	=Total Cover		
Herb Stratum (Plot size: 5)			
1. *Typha angustifolia*	90	Yes	OBL
2. *Spiraea alba*	15	No	FACW
3. *Symplocarpus foetidus*	10	No	OBL
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	115 =Total Cover		
Woody Vine Stratum (Plot size: 30)			
1. *Smilax spp.*	20	Yes	FAC
2.			
3.			
4.			
	20 =Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	100	x 1 =	100
FACW species	15	x 2 =	30
FAC species	20	x 3 =	60
FACU species	0	x 4 =	0
UPL species	0	x 5 =	0
Column Totals:	135 (A)		190 (B)

Prevalence Index = B/A = 1.41

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

X 2 - Dominance Test is >50%

X 3 - Prevalence Index is ≤3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? **Yes** X **No** ___

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: DP-WA-2

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth	Matrix		Redox Features					
(inches)	Color (moist)	%	Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-22	10YR 2/1	100					muck	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- X Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ High Chroma Sands (S11) (**LRR K, L)**
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Marl (F10) (**LRR K, L**)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (F21)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? **Yes** X **No** ___

Remarks:

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Attachment E

Abutter Notification Information

AFFIDAVIT OF SERVICE

Under Massachusetts Wetlands Protection Act and the Littleton Wetlands Protection ByLaw (Chapter 171), this form must be completed and submitted with the Notice of Intent, Abbreviated Notice of Resource Area Delineation or Request for Determination of Applicability.

I, Greg J. Hochmuth (*name of applicant or representative*) certify under the pains and penalties of perjury that on August 26, 2024 (*date*) I gave notification to abutters in compliance with the second paragraph of the Massachusetts General Laws Chapter 131, Section 40, DEP requirements for Abutter Notification and with the Littleton Wetlands ByLaw 171-2.D in connection with the following matter:

A *(choose one of below)*

_X_ Abbreviated Notice of Resource Area Delineation

_____ Request for Determination of Applicability

_____ Notice of Intent / Abbreviated Notice of Intent

_____ Request for Amended Order of Conditions (MADEP File # 204-_____

has been filed under the Massachusetts Wetlands Protection Act and Littleton Wetlands Protection ByLaw by SROA 550 Newtown MA, LLC (*name of applicant*) with the Littleton Conservation Commission on 8/26/2024 (*date*) for the property located at 550 Newtown Road (*address of land where work is proposed*).

The list of abutters with their addresses and a copy of the Notification Abutter form as sent to the abutters is attached to this Affidavit of Service.

Greg Hochmuth

Name

8/26/2024

Date

Rev 9-14-2023

NOTIFICATION TO ABUTTERS

Abbreviate Notice of Resource Area Delineation (ANRAD)

Modification for Virtual Meetings

Under MA Wetlands Protection Act and Littleton Wetlands Protection ByLaw (Chapter 171), this form must be completed and mailed, certified mail return receipt requested, to all abutters at their mailing addresses shown on the most recent Town Assessor's records as well as the owner (if not applicant).

In accordance with the MA Wetlands Protection Act and Littleton Wetlands Protection ByLaw Chapter 171-2D, you are hereby notified of a public hearing on the matter described below:

A. The applicant has filed an ANRAD with the Littleton Conservation Commission for work in an area subject to protection under the Massachusetts Wetlands Protection Act and Littleton Wetlands Protection ByLaw.

B. The name of the applicant is: SROA 550 Newtown MA, LLC

C. The address of the land where the activity is proposed: 550 Newtown Road, Littleton, MA

D. The work proposed is: Confirmation of the delineated wetland resource areas

_____

E. Copies of the filing may be examined at the Conservation Commission office at 37 Shattuck Street Monday through Thursday; 9:00 – 1:00 (please call first to ensure the Conservation Agent is available and not out on site visits). The office phone number is 978-540-2428.

F. Copies of the filing may be obtained electronically from (check one) the ____applicant or X the applicant's representative by calling 978 -461-6218 during the following times: 8:00 – 5:00, Monday – Friday.

G. The public hearing will be held on September 10, 2024. Information regarding the date and time of the public hearing may be obtained from the Littleton Conservation Commission (see contact info at the end of this notice).

H. Notice of the public hearing, including date and time will be published at least five business days in advance in a paper of local circulation. The agenda, noting times will be posted at Town Hall and at https://ma-littleton.civicplus.com/AgendaCenter/Search/?term=&CIDs=13,&startDate=&endDate=&dateRange=&dateSelector= at least 48 hours in advance of the meeting. It is currently anticipated that this meeting will be held entirely remotely, pursuant to "An Act Relative to Extending Certain State of Emergency Accommodations" (July 16, 2022) and the extension of that Act through

March 21, 2025. If the meeting is held remotely, instructions for remote viewing of, and participation in, the meeting will be included in the agenda and may also be obtained from the Littleton Conservation Commission.

You may contact the Littleton Conservation Commission staff (Conservation@littletonma.org; 978-540-2428), or the Massachusetts Department of Environmental Protection/ Central Region (508-792-7650) at 8 New Bond Street, Worcester, MA 01606) for information about this application

TOWN OF LITTLETON
BOARD OF ASSESSORS
P.O. BOX 1305
LITTLETON, MA 01460
(978) 540-2410
FAX: (978) 952-2321

Date: August 14, 2024

Re: Certified List of Abutters Conservation Commission

Applicant: Greg Hochmuth

Name of Firm: Epsilon Associates Inc

Mailing Address: 3 Mill & Main Place #250 Maynard MA 01754

Subject Parcel Location: 550 Newtown Road

Subject Parcel No.: U30 10 0

Subject Owner Name: SROA 550 Newtown MA LLC

M.G.L. Chapter 131: Section 40 ..... "Any person filing a notice of intention with a conservation commission shall at the same time give written notification thereof, by delivery in hand or certified mail, return receipt requested, to all abutters within one hundred feet of the property line of the land where the activity is proposed, but not limited to, owners of land directly opposite said proposed activity on any public or private street or way, and in another municipality or across a body of water. When a notice of intent proposes activities on land under water bodies and waterways or on a tract of land greater than 50 acres, written notification shall be given to all abutters within 100 feet of the proposed project site. For the purposes of this action, "project site" shall mean lands where the following activities are proposed to take place: dredging, excavating, filling, grading, the erection, reconstruction or expansion of a building or structure, the driving of pilings, the construction or improvement of roads or other ways and the installation of drainage, sewerage and water systems, and "land under water bodies and waterways" shall mean the bottom of, or land under, the surface of the ocean or an estuary, creek, river stream, pond or lake. When a notice of intent proposes activity on a linear shaped project site longer than 1,000 feet in length, notification shall be given to all abutters within 1,000 feet of the proposed project site. If the linear project site takes place wholly within an easement through another person's land, notice shall also be given to the landowner. Said notification shall be at the applicant's expense, and shall state where copies of the notice of intention may be examined and obtained and where information regarding the date, time and place of the public hearing may be obtained. Proof of such notification, with a copy of the notice mailed or delivered, shall be filed with the conservation commission."....

I hereby certify the attached list of abutter (s) as stated in the M.G.L. Chapter 131, Section 40.

Number of Abutter(s) 18 including the subject parcels + 1 Applicant Requesting Abutter's List. **Certified by:**

Name: Kim Prehl

Title: Office Assistant

6 OMEGA WY — U25 1 0
LUC: 101
COHEN VERA S TRUSTEE OF THE
546 NEWTOWN ROAD REALTY TRUST
546 NEWTOWN RD
LITTLETON, MA 01460

2 OMEGA WY — U25 4 0
LUC: 401
OMEGA REALTY LLC
PO BOX 1526
LITTLETON, MA 01460

NEWTOWN RD — U29 1 0
LUC: 932
LITTLETON TOWN OF
CONSERVATION COMMISSION
P.O. BOX 1305
LITTLETON, MA 01460

550 NEWTOWN RD — U30 10 0
LUC: 316
SROA 550 NEWTOWN MA LLC
2751 SOUTH DIXIE HWY, SUITE 450
WEST PALM BEACH, FL 33405

544 NEWTOWN RD — U30 10 1
LUC: 101
RYAN M.DOMINIC
RYAN HEIDRUN O
544 NEWTOWN ROAD
LITTLETON, MA 01460

3 OMEGA WY — U30 10 2
LUC: 101
LEWIS JOHN K
TARLOW-LEWIS AMY
3 OMEGA WAY
LITTLETON, MA 01460

562 NEWTOWN RD — U30 10 3
LUC: 101
PANDA AMARESH KUMAR
PANDA PRANGYA
562 NEWTOWN RD
LITTLETON, MA 01460

NEWTOWN RD — U30 10 A
LUC: 392
SEAWARD SARAH A
140 NASHOBA RD
LITTLETON, MA 01460

564 NEWTOWN RD — U30 11 0
LUC: 101
HOWE CHARLES A
564 NEWTOWN RD
LITTLETON, MA 01460

568 NEWTOWN RD — U30 12 0
LUC: 101
HATZILIADES MARIA-ANNA
PAPADOPOULOS PANAGIOTIS
568 NEWTOWN RD
LITTLETON, MA 01460

572 NEWTOWN RD — U30 13 0
LUC: 101
FAULKNER STEPHEN
FAULKNER TARA
572 NEWTOWN RD
LITTLETON, MA 01460

574 NEWTOWN RD — U30 14 0
LUC: 101
FRANCHI VALERIE, ATKINS SUSAN,
ATKINS DAVID TRS/ATKINS FMLY
574 NEWTOWN RD
LITTLETON, MA 01460

576 NEWTOWN RD — U30 15 0
LUC: 101
CAPALDO MARILYN
MUNROE JESSICA M
576 NEWTOWN RD
LITTLETON, MA 01460

559 NEWTOWN RD — U30 6 1
LUC: 101
GARRIDO TIAGO F
BLINN KATELYN E
559 NEWTOWN RD
LITTLETON, MA 01460

557 NEWTOWN RD — U30 7 0
LUC: 101
BRADFORD ROBERT
PENDERGAST LYNN M
557 NEWTOWN RD
LITTLETON, MA 01460

553 NEWTOWN RD — U30 8 B
LUC: 101
MINIOR JOSEPH A
MINIOR BRENDA J
553 NEWTOWN RD
LITTLETON, MA 01460

540 NEWTOWN RD — U30 9 A
LUC: 101
CALHOUN DWIGHT
CALHOUN SALLY J
540 NEWTOWN RD
LITTLETON, MA 01460

NEWTOWN HILL TR — U31 69 0
LUC: 132
KIMBALL BRADLEY
400 LITTLETON RD
WESTFORD, MA 01886

Attachment F

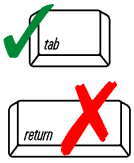
Filing Fee Information

Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

ANRAD 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:

550 Newtown Road	Littleton
a. Street Address	b. City/Town
$987.50	4201
c. Fee amount	d. Check number

2. Applicant:

		SROA 550 Newtown MA, LLC
a. First Name	b. Last Name	c. Company

550 Newtown Road
d. Mailing Address

Littleton	MA	01460
e. City/Town	f. State	g. Zip Code

561-722-4706
h. Phone Number

3. Property Owner (if different):

Benjamin S.	Macfarland III	SROA 550 Newtown MA, LLC
a. First Name	b. Last Name	c. Company

2751 South Dixie Highway, Suite 450
d. Mailing Address

West Palm Beach	FL	33405
e. City/Town	f. State	g. Zip Code

561-722-4706
h. Phone Number

B. Fees

The fee is calculated as follows for each Resource Area Delineation included in the ANRAD (check applicable project type). The maximum fee for each ANRAD, regardless of the number of Resource Area Delineations, is $200 activities associated with a single-family house and $2,000 for any other activity.

☐ **Online users:** check box if fee exempt.

Bordering Vegetated Wetland Delineation Fee:

1. ☐	single family house project	a. feet of BVW	x $2.00 =	b. Fee for BVW
2. ☒	all other projects	1,143 a. feet of BVW	$2,286 x $2.00 =	$2,000.00 b. Fee for BVW

Other Resource Area (e.g., bank, riverfront area, etc.):

3. ☐	single family house project	a. linear feet	x $2.00 =	b. Fee
4. ☐	all other projects	a. linear feet	x $2.00 =	b. Fee

Total Fee for all Resource Areas:	$2,000.00 Fee
State share of filing fee:	$987.50 5. 1/2 of total fee **less** $12.50
City/Town share of filing fee:	$1,012.50 6. 1/2 of total fee **plus** $12.50

ANRAD Wetland Fee Transmittal Form

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

C. Submittal Requirements

a.) Send a copy of this form, with a check or money order for the state share of the fee, payable to the Commonwealth of Massachusetts, to:

Department of Environmental Protection
Box 4062
Boston, MA 02211

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

c.) **To DEP Regional Office**: Send one copy of the Abbreviated Notice of Resource Area Delineation (and any additional documentation required as part of a Simplified Review Buffer Zone Project); a **copy** of this form; and a **copy** of the state fee payment. (E-filers of Notices of Intent may submit these electronically.)

THIS CHECK HAS A COLORED BACKGROUND AND CONTAINS MULTIPLE SECURITY FEATURES - SEE BACK FOR DETAILS

Elite Stor Construction, LLC
2751 S. Dixie Highway, Ste 450
West Palm Beach, FL 33405

JP Morgan Chase Bank

4201

****** NINE HUNDRED EIGHTY SEVEN AND 50/100 DOLLARS**

PAY TO THE ORDER OF

08/16/2024

$987.50***

Commonwealth of Massachusetts
Department of Environmental Protection
PO Box 4062
Boston, MA 02211

HEAT SENSITIVE RUB AREA TO VERIFY

[redacted]

DATE:08/16/2024 CK#:4201 TOTAL:$987.50***** BANK:ESCONSTR Chase - OP(esconch)
PAYEE:Commonwealth of Massachusetts(commmass)

Job(Prop)	Categ(Acct)	Invoice - Date	Description	Amount
205-exp(esconstr)	1170270(1400-0435)	205-081524-08/15/2024	EXP - L205 - Wetland - ANRAD Applica	987.50
				987.50

DATE:08/16/2024 CK#:4201 TOTAL:$987.50***** BANK:ESCONSTR Chase - OP(esconch)
PAYEE:Commonwealth of Massachusetts(commmass)

Job(Prop)	Categ(Acct)	Invoice - Date	Description	Amount
205-exp(esconstr)	1170270(1400-0435)	205-081524-08/15/2024	EXP - L205 - Wetland - ANRAD Applica	987.50
				987.50

THIS CHECK HAS A COLORED BACKGROUND AND CONTAINS MULTIPLE SECURITY FEATURES - SEE BACK FOR DETAILS

Elite Stor Construction, LLC
2751 S. Dixie Highway, Ste 450
West Palm Beach, FL 33405

JP Morgan Chase Bank

4202

****** ONE THOUSAND FIVE HUNDRED EIGHTEEN AND 75/100 DOLLARS**

PAY TO THE ORDER OF

08/16/2024

$1,518.75***

Town of Littleton
PO Box 1305
Littleton, MA 01460

HEAT SENSITIVE RUB AREA TO VERIFY

MEMO: SROA 550 Newtown Rd Littleton, MA

[redacted]

DATE:08/16/2024 CK#:4202 TOTAL:$1,518.75*** BANK:ESCONSTR Chase - OP(esconch)
PAYEE:Town of Littleton(townlitt) MEMO: SROA 550 Newtown Rd Littleton, MA

Job(Prop)	Categ(Acct)	Invoice - Date	Description	Amount
205-exp(esconstr)	1170270(1400-0435)	205-081524-08/15/2024	EXP - L205 - ANRAD Application Fee	1,518.75
				1,518.75

DATE:08/16/2024 CK#:4202 TOTAL:$1,518.75*** BANK:ESCONSTR Chase - OP(esconch)
PAYEE:Town of Littleton(townlitt) MEMO: SROA 550 Newtown Rd Littleton, MA

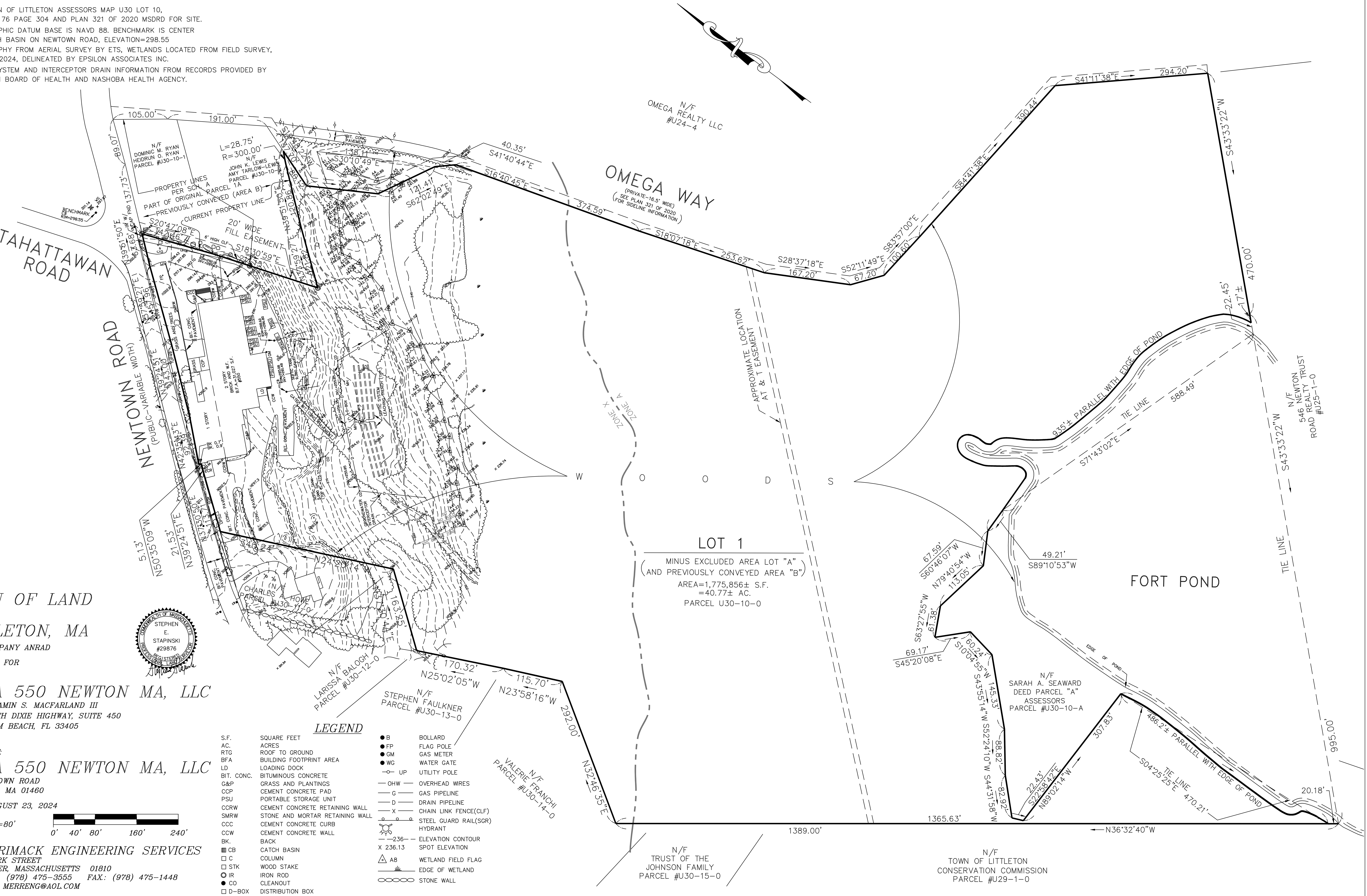
Job(Prop)	Categ(Acct)	Invoice - Date	Description	Amount
205-exp(esconstr)	1170270(1400-0435)	205-081524-08/15/2024	EXP - L205 - ANRAD Application Fee	1,518.75
				1,518.75

Attachment G

ANRAD Drawing – Merrimack Engineering Services

NOTES

1. SEE TOWN OF LITTLETON ASSESSORS MAP U30 LOT 10, BOOK 79176 PAGE 304 AND PLAN 321 OF 2020 MSDRD FOR SITE.
2. TOPOGRAPHIC DATUM BASE IS NAVD 88. BENCHMARK IS CENTER OF CATCH BASIN ON NEWTOWN ROAD, ELEVATION=298.55
3. TOPOGRAPHY FROM AERIAL SURVEY BY ETS, WETLANDS LOCATED FROM FIELD SURVEY, MAY 21, 2024, DELINEATED BY EPSILON ASSOCIATES INC.
4. SEPTIC SYSTEM AND INTERCEPTOR DRAIN INFORMATION FROM RECORDS PROVIDED BY LITTLETON BOARD OF HEALTH AND NASHOBA HEALTH AGENCY.



PLAN OF LAND
IN
LITTLETON, MA
TO ACCOMPANY ANRAD

PREPARED FOR

OWNER:

SROA 550 NEWTON MA, LLC
C/O BENJAMIN S. MACFARLAND III
2751 SOUTH DIXIE HIGHWAY, SUITE 450
WEST PALM BEACH, FL 33405

AND

APPLICANT:

SROA 550 NEWTON MA, LLC
550 NEWTOWN ROAD
LITTLETON, MA 01460

DATE: AUGUST 23, 2024

SCALE: 1"=80'   0' 40' 80' 160' 240'

COMMONWEALTH OF MASSACHUSETTS
STEPHEN E. STAPINSKI
#29876
PROFESSIONAL LAND SURVEYOR

MERRIMACK ENGINEERING SERVICES
66 PARK STREET
ANDOVER, MASSACHUSETTS 01810
PHONE: (978) 475-3555 FAX: (978) 475-1448
EMAIL: MERRENG@AOL.COM

12847-02/ANRAD/1284702ANRAD01.DWG 8/23/24

LEGEND

S.F.	SQUARE FEET
AC.	ACRES
RTG	ROOF TO GROUND
BFA	BUILDING FOOTPRINT AREA
LD	LOADING DOCK
BIT. CONC.	BITUMINOUS CONCRETE
G&P	GRASS AND PLANTINGS
CCP	CEMENT CONCRETE PAD
PSU	PORTABLE STORAGE UNIT
CCRW	CEMENT CONCRETE RETAINING WALL
SMRW	STONE AND MORTAR RETAINING WALL
CCC	CEMENT CONCRETE CURB
CCW	CEMENT CONCRETE WALL
BK.	BACK
▦ CB	CATCH BASIN
□ C	COLUMN
□ STK	WOOD STAKE
○ IR	IRON ROD
● CO	CLEANOUT
□ D-BOX	DISTRIBUTION BOX
● B	BOLLARD
● FP	FLAG POLE
● GM	GAS METER
● WG	WATER GATE
—○— UP	UTILITY POLE
— OHW —	OVERHEAD WIRES
— G —	GAS PIPELINE
— D —	DRAIN PIPELINE
— X —	CHAIN LINK FENCE(CLF)
—○—○—	STEEL GUARD RAIL(SGR)
	HYDRANT
- - 236 - -	ELEVATION CONTOUR
X 236.13	SPOT ELEVATION
△ A8	WETLAND FIELD FLAG
	EDGE OF WETLAND
	STONE WALL