

TOWN OF LITTLETON CONSERVATION COMMISSION

The Point

Conservation Restriction

Baseline Documentation Report

**Off Great Road and Constitution Ave
Littleton, MA 01460
20.0 Acres**

Property Visits Conducted

October 23, 2020 and November 06, 2020

**Baseline Documentation Report Delivered to
Town of Littleton Conservation Commission**

Issued:

Table of Contents

| | |
|---|----|
| Table of Contents..... | 2 |
| Report Background and Authors | 3 |
| The Premises Primary Conservation Values..... | 4 |
| Property Description - Existing Conditions..... | 5 |
| Photolog | 16 |
| Photographer Affidavit | 19 |
| Declaration of Report Accuracy (BDR Preparer) | 20 |
| Declaration of Report Accuracy and Acceptance (Grantor) | 21 |
| Declaration of Reliance and Certification of Record | 22 |

Exhibits

- Exhibit 1:** Reduced copy of the survey plan recorded at the Middlesex South Registry of Deeds: **Plan Book ####, Map ###** showing all existing man-made improvements and disturbances adjacent to the premises
- Exhibit 2:** Photographs of the Property [NB: Figure 1 shows photograph locations].
- A. 12 Photographs of the Photograph locations.
 - B. 60 Photographs, identified by photograph location, date, and direction (azimuth).

Figures

- Figure 1:** 2019 Orthophoto showing the premises and Photo Points.
- Figure 2:** 2019 Orthophoto showing soils and topography and the premises.
- Figure 3:** 2019 Orthophoto showing MassGIS Wetlands polygons and boundaries and the premises.
- Figure 4:** 2019 Orthophoto, Assigned Vegetation Types and the premises.
- Figure 5:** 2019 Orthophoto and 2021 Natural Heritage and Endangered Species (NHESP) Estimated Habitats of Rare Wildlife and Priority Habitats of Rare Species and the premises.
- Figure 6:** 2019 Orthophoto and BioMap2 Core and Aquatic Core Habitats and the premises.
- Figure 7:** 2019 Orthophoto and BioMap2 Wetlands Buffer and Critical Natural Landscape and premises.
- Figure 8:** 2019 Orthophoto and BioMap2 Species of Conservation Concern and premises

Report Background and Author(s)

This report documents the current conditions on the premises in Littleton, MA prior to the establishment of a Conservation Restriction on The Point property. The report was prepared by Steve Ivas, MS, PWS, with assistance from the intended easement holder, the Town of Littleton Conservation Commission and Ray Lyons, Esq. The enclosed photographs and primary observations were taken on October 23 and November 06, 2020.

Baseline Documentation Property Visits Conducted by:

Steve Ivas, MS, PWS.

Baseline Documentation Report Prepared by:

Steve Ivas, MS, PWS.

Location of the Original Document:

The original, signed Baseline Documentation Report is stored in the Town of Littleton Conservation Commission's Office at Littleton Town Hall. This original document was placed in this location on _____, 2023 by _____

Property Location and Size:

Off Great Road and Constitution Ave, Littleton, MA

Total Acreage: 20.0 acres subject to Conservation Restriction (the "Premises").

Current Landowner and Contact Information:

The Premises extends over four different properties with ownership as noted below:

Assessors Parcel R18-1-1
Lot 23 from L.C.C. 32198 F
Owner: Point-LC1, LLC
c/o Keypoint Partners
1 Van de Graaff Drive Suite 402,
Burlington, MA 01803

Assessors Parcel R18-1-3
Lot 29 from L.C.C. 32198 G
Owner: DSM MB II LLC
Attn: Real Estate
875 East Street
Tewksbury, MA 01876

Assessors Parcel R18-1-2
Lot 28 from L.C.C. 32198 G
Owner: DSM MB II LLC
Attn: Real Estate
875 East Street
Tewksbury, MA 01876
Tax Assessor, Recorded Survey Information

Assessors Parcel R18-1-4
Lot 23 from L.C.C. 32198 F
Owner: Point-LC4, LLC
c/o Keypoint Partners
1 Van de Graaff Drive Suite 402,
Burlington, MA 01803

Assessors Parcels R18-1-1, R18-1-2, R18-1-3, and R18-1-4

Recorded Survey Plan: Middlesex County of Deeds: Book Map .

The Premises Primary Conservation Values

The Conservation Restriction is intended to ensure that the Premises, in perpetuity, will be maintained for conservation purposes in a natural, scenic, and undeveloped condition, and to prevent any use of change that would impair or interfere with its conservation and preservation values (collectively, the “Conservation Values”).

Protecting the Conservation Values yields a significant public benefit for the following reasons:

1. **Open Space Protection.** The Premises contributes to Littleton’s scenic and natural character and protecting the Premises will enhance the open-space value of these nearby lands in both the Town of Littleton and the Town of Westford.

The Premises is located along Beaver Brook between large open space areas both upstream, along two tributaries of the Brook, and downstream along the Brook’s main stem, all visible on the attached Exhibit 11, Open Space Areas and Topographic Quadrangle. It is directly adjacent to the complex Hitchin’ Post Green Conservation Restriction that includes a large portion of the downstream wetlands complex of Beaver Brook. Protecting the Premises enhances these lands collective open-space values.

2. **Water Supply Watershed Protection.** The Premises are directly adjacent to Littleton Water Supply Land and just upstream of the Town of Westford’s Howard Road Well Site. The Conservation Restriction’s location will protect nearby lands to the two well sites from development or any contamination issues from activities on the Premises. Additionally, there is another Town of Littleton Water Supply land upstream along the more northerly tributary of the Brook (Labeled “I” on Exhibit 11). If Zone II of the water supply area reaches the Premises, then the Premises will protect that portion of the Zone II from any contamination issues.
3. **Local Inter-town Trail Connections.** A branch of the Beaver Brook Trail complex in Westford is off the north side of Heather Drive. This trail extends to the Westford / Littleton Town Boundary that is within a few feet of Photo Point 1. A connection between the two towns may be made here in the future. The Open Space and Recreational Plan of Littleton states: “Open space and recreational resources amongst the communities are shared and linked through trail systems, wildlife corridors and youth recreational programs.” (Page 14, Littleton 2016 Update, OS & R Plan.)
4. **Protecting Stone Walls.** Stone walls are extant along the Premises’ northeasterly boundary (also the Town boundary), along Photo Points 1, 2 and 3. This stone wall is approximately 600 feet long, and is bisected by another stone wall at Photo Point 2 that extends a few hundred feet into Westford on the Hitchin’ Post CR. Additionally, there is another about 600-foot long stone wall extant on “The Island” portion of the Premises along Photo Points 10, 11, and 12. Page 35 of the 2016 Open Space and Recreation Plan notes “The Town has a rich legacy of historic structures, roads, walls, and archaeological remains. While there are several concentrations of such resources, they are widely distributed across the community, in that way enriching many areas, but at risk of being overshadowed by newer and potentially unsympathetic development.”
5. **“Flood Control, Habitat Protection and Water Resource Integrity”.** Nearly the entire 20 acres of this Conservation Restriction is within the flood Plain of Beaver Brook as it flows northwesterly towards the Merrimack River. The 2016 Update of the Town’s Open Space and Recreation Plan notes that “...Beaver Brook wetlands are important for flood control, habitat protection, and water resource integrity.” Any one of the Exhibits that contains the 2019 Orthophoto shows that the center of the Premises is a large shallow marsh complex that is important for all three of the above conservation values. “Water quality is the number one Open Space and Recreational Goal for the community.” (Page 10, 2016 Update, OS & R Plan, Littleton).

Property Description - Existing Conditions

1. General Location.

The 20-acre Conservation Restriction (CR) parcel lies between Great Road and The Point multi-use development and is oriented generally north-south within a valley of a tributary of Beaver Brook. Its northerly boundary is along the Littleton-Westford Boundary line. Figure 1, attached, shows the site's boundary overlain on the 2019 MassGIS 0.15-m color Orthophoto. The southerly portion is just north of Constitution Avenue, as it enters The Point development. The CR overlays portions of three parcels, Lots 1, 2, and 3, south to north, of the seven lots constituting The Point.

The CR's westerly point is to the rear of a storage facility on The Great Road, across a tributary to Beaver Brook that creates an "Island" of upland surrounded by wetlands. Its easterly (and northerly) point is at a corner near the Littleton-Westford boundary to the rear and southerly of the cul-de-sac at Heather Drive, which is a continuation of Howard Road in Westford. See Figure 1, attached for the CR parcel's outline.

2. Perennial Stream - Beaver Brook.

Beaver Brook, a northward-flowing Perennial Stream with many twists and turns belying its level course, is associated with a wide flood plain that borders the CR to the northwesterly. This floodplain extends up-tributary in two separate locations to the Constitution Avenue crossing within The Point development. The up-tributary flood plain has been taken over by invasive common reed (*Phragmites australis*) and invasive reed canary grass (*Phalaris arundinacea*). The invasives have aggressively occupied most of the area of the two tributaries to Beaver Brook that surround the "Island." Just offsite, westerly of the CR is what may be an old pond where the water elevation is less than a foot above the water elevation in Beaver Brook. The history of this ponding area is unknown, however with the fencing that is close by, it may have been used for watering farm animals at one time. At its northerly border, there is an old discontinuous (and slippery) boardwalk inside what is now an area heavily-vegetated with thickets, just offsite. The boardwalk accesses the upland portion of "The Island," which is an even-aged forest with very little shrub story north of The Point property.

3. Topography.

The majority of the CR is a flat floodplain that is at about an elevation of 206 feet. The hillside in the northeast corner of the site ascends to about 275 feet relatively rapidly. Please see Figure 2, attached, for the MassGIS Elevation Contours. Also, please review Figure 1 that provides the approximate locations of Photo Points (mainly granite bound, drill hole, and orange paint locations), with one iron rod set in a wetland (Photo Point #9, which is about 20 ft offset to the east), that assist in describing certain general areas on the site. Figure 4 separates the CR into specific areas of vegetation that are described below.

4. Site Soils.

The Natural Resource and Conservation Service (NRCS, formerly the Soil Conservation Service, or SCS) soils map units are mainly hydric (wet) soils throughout the majority of the flat flood plain, specifically, 6A, Scarboro mucky fine sandy loam, 0 - 3% slopes at the bottom of the northeast hillside, 51A, Swansea muck, 0 - 3% slopes and 52A, Freetown muck, 0 - 3% slopes, both on the flat floodplain area, and 32B, Wareham loamy fine sand, 3 - 8% slopes at the southwesterly corner of the CR.

The northeast hillside is made up of the 6A Scarboro mucky fine sandy loam at its toe of slope, then 310B and C, Woodbridge fine sandy loam, 3 - 8% and 8 - 15% slopes, as one ascends the slope, and 307D, Paxton fine sandy loam, 15 - 25% slopes, extremely stony for the majority of the hillside.

Stone walls are extant on the upland portions of the CR parcel. They appear to divide the “Upland Island” in half, with the northwesterly half outside the CR. They are also extant along the northeasterly hillside portion of the CR, and are a common feature resulting from the Paxton extremely stony soils at along the Hillside to the rear of the Heather Drive cul-de-sac in Westford.

5. Vegetation

The vegetation labels shown on Figure 4 are taken from the Classification of Natural Communities in Massachusetts (Swain, 2020) except for the Old Field designations. Please note that the lists of vegetation were observed at the end of the growing season, on 23 October and 06 November 2020.

5.1 Terrestrial Vegetation.

5.1.1 Oak - Hemlock - White Pine Forest.

This area is located at the site northeasterly corner and includes the hillside south of Heather Drive, Westford. The hillside is dominated by an overstory of eastern white pine (*Pinus strobus*), while there is a different mix of overstory trees at the toe of the slope, red maples (*Acer rubrum*), and various oaks (*Quercus* spp.) within a wide swale that is just lower than a wide berm area along Beaver Brook. The berm may have been built up over time from flooding that dropped the heavier sediments along the Brook’s banks. Both the wide swale and wide berm are covered with invasive vegetation at its southerly end: the northerly portion, adjacent to a stone wall close to the CR’s east-west northerly boundary is mainly free of invasives.

The hillside south of Heather Drive is quite open at the shrub level (eye height) and can be walked through easily.

The wide swale is dominated by red maples and ash (*Fraxinus* sp.), and is one or two feet in elevation below the height of the wide berm, which is dominated with oaks and eastern white pine

(*Pinus strobus*). One area of this forest, at the southerly boundary shown in Fig. 4, is dominated by large eastern white pine trees.

Vegetation at **Photo Point 1**, which is along a stone wall on the wide berm adjacent to Beaver Brook includes an overstory of eastern white pine (just a few, quite large, *circa* 30-inch dba, (diameter, breast height trees), and very sparse sassafras (*Sassafras albidum*). The sapling / shrub story is a mix of sparse highbush blueberry (*Vaccinium corymbosum*), sparse eastern white pine, and sparse common winterberry (*Ilex verticillata*). The herbaceous story includes bracken fern (*Pteridium aquilinum*), maple-leaved viburnum (*Viburnum acerifolium*), lowbush blueberry (*Vaccinium angustifolium*), dangle-berry (*Gaylussacia frondosa*), black cherry (*Prunus serotina*), common winterberry, northern red oak (*Quercus rubra*, white oak (*Quercus alba*), invasive buckthorn (*Rhamnus frangula*), striped wintergreen, also called spotted wintergreen or pipsissawa (*Chimaphila maculata*), northern arrowwood (*Viburnum dentatum*), ash, and invasive Japanese barberry (*Berberis thunbergii*). While there is no liana story near this Photo Point, invasive Asian bittersweet (*Celastrus orbiculata*) and invasive multiflora rose (*Rosa multiflora*) dominate the herbaceous and shrub stories on the same wide berm a few hundred feet south of the photo point.

Photo Point 2 is about 40 feet north of the east-west stone wall that parallels the boundary of the CR, along a perpendicular stone wall. It is located about 60 feet past the toe of slope of the hillside in the wide swale also noted as a “bottomland.” The overstory is a mix of red maple and oaks, pin oak (*Quercus palustris*) dominant, while the shrub / sapling story is pignut hickory (*Carya glabra*), common winterberry, sparse white pine, and sparse highbush blueberry. The herbaceous story includes cinnamon fern (*Osmunda cinnamomea*), common winterberry, and sparse white pine.

Photo Point 3 is about 40 feet north of the same stone wall parallel to the CR boundary, at the CR’s northeasterly corner, up on the forested hillside, and to the rear of a single-family residence at the cul-de-sac of Heather Drive in Westford. The woodland is quite open here, i.e., the shrub story is not dense. The overstory is closed, and is northern red oak, black oak (*Quercus velutina*), red maple, and pignut hickory. The shrub/sapling story is extremely sparse and is one clump of gray birch (*Betula populifolia*) and a snag one-inch dbh eastern white pine. The herbaceous story includes common winterberry, very invasive sparse Japanese barberry, Pennsylvania sedge (*Carex pensylvanica*), invasive burning bush (also called eastern wahoo by the U. S. Army Corps of Engineers wetland scientists, *Euonymus atropurpureus*), very sparse northern arrowwood, and very sparse black cherry.

Photo Point 4 is on the north side of what appears to be an intermittent flowage on the hillside, within sight of The Point’s sewage treatment plant. The overstory includes sugar maple (*Acer saccharum*), red maple, hemlock (*Tsuga canadensis*), eastern white pine, sparse American elm (*Ulmus americana*), and pignut hickory. The sapling / shrub story is open, with sparse common winterberry. The herbaceous story is a mix of invasive Japanese barberry, sparse invasive

multiflora rose, goldenrods (*Solidago* sp.), cinnamon fern, Virginia creeper or woodbine (*Parthenocissus quinquefolia*), invasive burning bush, and hay-scented fern (*Dennstaedtia punctilobula*). Note: the coverage of invasive Japanese barberry increases as one descends down the hillside, towards a stone wall.

Photo Point 5 is located about 15 feet away from the flood plain of an un-named tributary of Beaver Brook. The change in vegetation character as well as elevation from upland to floodplain wetland is quite discrete, and easily identifiable. The narrow overstory adjacent to the floodplain is composed of red maples and eastern white pine. The sapling / shrub story is a mix of common winterberry, highbush blueberry, eastern white pine, northern arrowwood, sapling eastern white pine, and black oak. The herbaceous story is invasive Asian bittersweet, northern arrowwood, Pennsylvania sedge, cinnamon fern, and narrow-leaved cattails (*Typha latifolia*). The liana story is invasive Asian bittersweet.

This forest is defined as a **T16a Forest** classification, "...highly variable mixed oak, red maple, and conifer forest with a generally closed canopy: Oak - Hemlock - White Pine Forest." The Oak - Hemlock - White Pine Forest is the most broadly defined in the continuum of oak-dominated forests; specific types are split out from this matrix type. Oak - Hemlock - White Pine Forest is dominated by a mix of tree oaks with white pine and hemlock, either of which may be in local dense patches or locally absent. Oaks (white, scarlet, chestnut, black, and red), black birch, American beech, black cherry, and red maple form the canopy in association with scattered eastern hemlock and white pine. Relative proportions of the species vary greatly among sites."

5.1.2 Upland Old Fields.

There are two old field shrublands, that are located across a shallow marsh from each other within the CR. They are described in the following sections.

5.1.2.1 Old Field 1 - The westerly shrubland is an old field that is growing into what may be a **T16a Forest** in the future, on the southern half of the upland island. The overstory, where extant, of the southerly half of the upland island includes red maple, pin oak, and eastern white pine. The shrub/sapling story is a mix of eastern white pine, highbush blueberry, black cherry, northern arrowwood, and sparse sweet pepperbush, with a herbaceous story of eastern white pine and black cherry at **Photo Point 12**.

Further west, at **Photo Point 11**, the overstory is a mix of northern red oak, black oak, swamp white oak, pignut hickory, eastern white pine (sparse) and sparse black cherry. The shrub/sapling story is invasive buckthorn, sparse eastern white pine, and black oak. The herbaceous story is invasive buckthorn, invasive Asian bittersweet, goldenrods, and the liana story is invasive Asian bittersweet.

At the westerly corner of the CR, at **Photo Point 10**, the overstory is pin oak and ash, with a shrub/sapling story of invasive buckthorn and invasive bush honeysuckles. The herbaceous story is the invasive bush honeysuckles, invasive autumn olive, invasive buckthorn, and goldenrods, while the liana story is invasive Asian bittersweet.

5.1.2.2 Old Field 2 - The easterly shrubland is between the wet basins and the shallow marsh, and appears to contain invasive shrubs, along with some invasive vines. **Photo Point 6** is the sole point of view for this narrow old field habitat. Which has some apple trees at its upland margins. The area may have been a farm that included apple trees. The general overstory is apple (*Malus* sp.) and red maple, where extant. The sapling / shrub story is invasive buckthorn, invasive European privet (*Ligustrum vulgare*), invasive multiflora rose, and invasive bush honeysuckles (*Lonicera* spp.). The herbaceous story of this area contains sensitive fern (*Onoclea sensibilis*), bush honeysuckles, silky dogwood (*Cornus amomum*), and invasive multiflora rose. The liana story is Asian bittersweet, and multiflora rose, both thick in some areas, and absent in most.

5.1.2.3 Old Field Summary.

There is no community type for old fields that are gradually returning to forests or woodlands. A **T66a Shrubland**, often with sparse vegetation, but with abundant blueberry family plants, on sand or gravel away from the coast, is perhaps the closest shrubland community type, however there were no highbush blueberry found, although the notes were taken at the photo points only, and not within the entire southerly half of the upland island (Old Field 1), nor within the entire length of the Old Field 2.

5.2 Palustrine Vegetation.

Palustrine refers to a system of inland, nontidal wetlands characterized by the presence of trees, shrubs, and emergent vegetation (vegetation that is rooted below water but grows above the surface). There is a palustrine system here, that appears to be a **Shallow Emergent Marsh** that progresses northerly, within and adjacent to an un-named tributary within its floodplain, towards Beaver Brook to result in a **Deep Emergent Marsh** adjacent to the Brook.

The palustrine portion of the CR is its center, composed of an un-named tributary of Beaver Brook that flows under Constitution Ave and splits to each side of the upland island. The tributary along the west side of the upland island is not within the CR: it appears to be owned by a tire repair center and a storage facility along The Great Road (Rt. 119).

There are three Photo Points (PPs) along the southeasterly and south side of the palustrine portion of the Conservation Restriction. They are PP 7, 8, and 9. The locations and their surrounding vegetation are described below.

Photo Point 7 is a granite bound about ten feet from the toe of slope of an embankment along the wet basins south of The Point development. There is no overstory in the area, and the shrub story is eastern white pine and black cherry, both very sparse, and a few northern arrowwood along the edges of the common reed (*Phragmites australis*)-dominated site. The herbaceous story is mainly invasive common reed, with purple loosestrife and reed canary grass (*Phalaris arundinacea*), with some goldenrods in among the common reed.

Photo Point 8 is a granite bound inside the invasive common reed colony. There is no overstory, and a sapling / shrub story of only a few common winterberry and some speckled alder (*Alnus rugosa*). The herbaceous story, besides the invasive common reed, is sensitive fern and bush honeysuckle.

Photo Point 9 is located on the first junction to the east of a concrete capstone along the Constitution Ave Bridge over the un-named stream that splits around the upland island in the very flat floodplain area, as the stream flows toward Beaver Brook. PP 9 is about 20 feet offset from an iron rod that was set across one of the un-named tributary streams that are south and east of the upland island. The rod can be observed from the Bridge. Here, there is no overstory or sapling or shrub story, only the herbaceous story, made up of invasive common reed, cattails, and reed canary grass.

This large wetland complex is perhaps best described as **Classification Number P39b, Wetlands** dominated by tall graminoids (herbaceous plants with a grass-like morphology, i.e. elongated culms with long, blade-like leaves). They are contrasted to forbs, (herbaceous plants without grass-like features) on mucky mineral soils in deep water (<3 ft. (~1m) deep) surface water all year, including during the growing season. They occur along rivers and streams, lakes, artificial impoundments, and other water bodies.

Deep Emergent Marshes are tall graminoid (grass like) wetlands often dominated by cattails, *Phragmites*, and wool-grass growing in water from a half foot to 3 ft. deep. Water depth may vary not only during the growing season, but from year to year.

Shallow Emergent Marshes are similar communities with short graminoid/herbaceous wetlands and usually have shallow (averaging <6" (~15 cm) deep) surface water all year. Vegetation composition is similar to Deep Emergent Marsh except that shorter grasses, sedges and rushes dominate. Here, the Deep Emergent Marsh is close to Beaver Brook, while the Shallow Emergent Marsh is close to the Constitution Ave Bridge.

6. Biodiversity on the CR Parcel.

A number of data layers provide information related to biodiversity in Massachusetts. The publication, BioMap2 summarizes the rationales and methods for the regulatory data layers. The following sections

include the regulatory data layer descriptions. **Exhibits 6 to 8** include the locations of the various regulatory data layers on and adjacent to the CR at The Point in Littleton. In some cases, the data layers have alpha-numerical identifiers and/or Identification Numbers. These are included on the various figures.

A. Estimated Habitats of Rare Wildlife - Regulatory Layer (Exhibit 6)

Estimated Habitats are for use with the Wetlands Protection Act regulations (310 CMR 10.00). The Estimated Habitats of Rare Wildlife data layer contains polygons that are a subset of the Priority Habitats of Rare Species. They are based on occurrences of rare wetland wildlife observed within the last 25 years and documented in the NHESP database. They do not include those areas delineated as Priority Habitat for rare plants or for rare wildlife with strictly upland habitat requirements. The Estimated Habitats presented here are part of the 15th Edition of the Massachusetts Natural Heritage Atlas and became effective on August 1, 2021. (From MassGIS website) **The Estimated Habitat data layer, identified as EH 1196 in 2017, covered nearly the entire CR Parcel: it is now identified as EH 1160 and is located across Beaver Brook to the northwest from the CR. See Exhibit 6.**

B. Priority Habitats of Rare Species - Regulatory Layer (Exhibit 6)

The Priority Habitats of Rare Species data layer contains polygons representing the geographic extent of Habitat of state-listed rare species in Massachusetts based on observations documented within the last 25 years in the database of the Natural Heritage & Endangered Species Program (NHESP).

Priority Habitat polygons are the filing trigger for project proponents, municipalities, and all others for determining whether or not a proposed project or activity must be reviewed by the NHESP for compliance with the (MESA) and its implementing regulations. Areas delineated as Priority Habitats can include wetlands, uplands, and marine habitats. The Priority Habitats presented here are part of the 14th Edition of the Massachusetts Natural Heritage Atlas and are effective beginning August 1, 2021. (From MassGIS website.) **The Priority Habitat data layer was identified as PH 1740 on the CR parcel. It is now identified as PH 1724 and like the Estimated Habitat above, is located across Beaver Brook to the northwest from the CR.**

C. BioMap2 Core Habitat (Exhibit 7)

Core Habitat identifies key areas that are critical for the long-term persistence of rare species and other Species of Conservation Concern, as well as a wide diversity of natural communities and intact ecosystems across the Commonwealth. Protection of Core Habitats will contribute to the conservation of specific elements of biodiversity. (From BioMap2 booklet.)

Core Habitat is shown on Figure 6 and has an CH ID of 2416. This particular block is a 1,898.5

acre block along and within the Beaver Brook Watershed.

D. BioMap2 Aquatic Core / Aquatic Buffer (Exhibits 7 and 8)

Aquatic Core identifies core habitat for fish and other Species of Conservation Concern. To delineate integrated and functional ecosystems for fish species and other aquatic Species of Conservation Concern, BioMap2 identified intact river corridors within which important physical and ecological processes of the river or stream occur. To identify those areas integrally connected to each river or stream, each river segment was buffered 30 meters. All wetlands wholly or partially contained within this buffer were then included, and the combination of the river channel, the adjacent buffer, and the connected wetlands make up the riverine Core Habitat. (From BioMap2 publication.) In this case, the Aquatic Core habitat is associated with Beaver Brook, which flows north into Forge Pond, adjacent to and through a portion of the CR parcel. It is given a CH_AQ_ID of 978 and comprises 260.9 acres along Beaver Brook and its tributaries.

The Aquatic Upland Buffer is also provided on Ex. 7 and shows the upland adjacent to the Aquatic Core. It is abbreviated as CNL_AB_ID 801, and is 94.99 acres in area at this location, both within and outside The Point CR.

E. BioMap2 Critical Natural Landscapes (Exhibit 8)

Critical Natural Landscape (CNL) identifies large natural Landscape Blocks that are minimally impacted by development. If protected, these areas will provide habitat for wide-ranging native species, support intact ecological processes, maintain connectivity among habitats, and enhance ecological resilience to natural and anthropogenic disturbances in a rapidly changing world. Areas delineated as Critical Natural Landscape also include buffering upland around wetland, coastal, and Aquatic Core habitats to help ensure their long-term integrity. (From BioMap2 publication.)

Exhibit 8 shows that The Point CR contains a portion of Critical Natural Landscape 1152 (CNL_ID 1152) that occupies 355 acres in the Beaver Brook watershed.

F. Species of Conservation Concern

Species of Conservation Concern includes native Massachusetts species that are listed under the state Endangered Species Act or listed in the State Wildlife Action Plan (SWAP). The SWAP was developed by the Division of Fisheries and Wildlife in 2005 to help guide wildlife conservation in Massachusetts in the coming decades. This document identifies 257 wildlife species and 22 natural habitats most in need of conservation within the Commonwealth. In addition to species on the Massachusetts Endangered Species Act (MESA) list, SWAP identifies other wildlife species that are in significant regional conservation concern but do not meet the requirements for inclusion in the regulatory framework of the Massachusetts Endangered Species Act. (From BioMap2

publication.)

Figure 8 shows the location of the Combined Species of Conservation Concern (SOCC) overlaps all but the northeasterly hillside behind Heather Drive in Westford. The remainder of The Point Conservation Restriction is within CH_SSOOC_ID 2015.

7. Trail Connections.

A. Beaver Brook Trail Complex.

A reach of the Beaver Brook trail complex is extant off the north side of Heather Drive in Westford, available on the Town's Conservation Commission website (noted in the references area that follows this report). This trail extends to the Westford / Littleton Town boundary that is within feet of Photo Point 1 in The Point Conservation Restriction. An easy connection to the CR parcel may be made here in the future.

B. The Point Trail along the Wet Basins.

The design of The Point development complex includes a constructed pathway or trail that uses the top of the embankments along the southeast boundary of the Conservation Restriction parcel. This trail offers a wonderful vantage point over the Shallow Emergent Marsh within the CR. It is best accessed from its southerly limit, at the south end of Basin 1.

References:

Campbell, Suzan, Phyllis Higman, Brad Slaughter and Ed Schools, 2010. *A Field Guide to Invasive Plants of Aquatic and Wetland Habitats for Michigan*, Michigan State University Extension, Michigan Natural Features Inventory, 91 p, 2010. <http://web4.msue.msu.edu/mnfi/pub/publications.cfm> Accessed multiple occasions.

Littleton, Town of, 2016. *Littleton 2016 Update to the Open Space and Recreation Plan*.
<https://www.littletonma.org/open-space-recreation-plan-implementation-committee/pages/open-space-recreation-plan> Accessed multiple occasions.

MA Dept of Fish and Game, Division of Fisheries and Wildlife (DFW), Natural Heritage and Endangered Species Program (NHESP) and The Nature Conservancy, (TNC) 2010. *BioMap2 - Conserving the Biodiversity of Massachusetts in a Changing World*, 60 pp, produced by NHESP of the Massachusetts DFW and the Massachusetts Division of TNC.

Manomet Center for Conservation Sciences, 2004. *A Guide to the Natural Communities of Eastern Massachusetts*. March 2004. Manomet Center for Conservation Sciences, Regional Conservation Planning Program, P.O. Box 1770 Manomet MA 02345.

Swain, P.C. & J. B. Kearsley, 2001. *Classification of the Natural Communities of Massachusetts. Version 1.3*, Natural Heritage and Endangered Species Program, Division of Fisheries and Wildlife, Westborough, MA.

Swain, P.C. 2020. *Classification of the Natural Communities of Massachusetts*. Natural Heritage & Endangered Species Program, Massachusetts Division of Fisheries and Wildlife. Westborough, MA.

<https://docs.digital.mass.gov/dataset/massgis-data-nhesp-estimated-habitats-rare-wildlife>, accessed 26 Nov 20 and 03 Jan 22.

<https://docs.digital.mass.gov/dataset/massgis-data-nhesp-priority-habitats-rare-species>, accessed 26 Nov 20 and 03 Jan 22.

<https://www.mass.gov/doc/the-key-to-the-natural-communities-in-the-classification-of-natural-communities-of/download> accessed 01 Dec 20.

https://westfordconservationtrust.org/tws_holding/beaver-brook/ accessed 02 Dec 20.

Photolog - Photos Taken by Ivas Environmental, 23 Oct 2020 and 06 Nov 2020

| <u>Photo Number</u> | <u>Photo Point Number</u> | | <u>Degrees Azimuth</u> | <u>Camera Photo Number</u> |
|---------------------|---------------------------|--------------------|------------------------|----------------------------|
| 1 | 1 | | 140 | 6257 |
| 2 | 1 | | 180 | 6259 |
| 3 | 1 | | 220 | 6261 |
| 4 | 1 | | 260 | 6263 |
| 5 | 1 | | 300 | 6264 |
| 6 | 2 | | 140 | 6245 |
| 7 | 2 | | 180 | 6247 |
| 8 | 2 | | 220 | 6249 |
| 9 | 2 | | 260 | 6251 |
| 10 | 2 | | 300 | 6253 |
| 11 | 3 | | 240 | 6237 |
| 12 | 3 | | 280 | 6239 |
| 13 | 3 | | 320 | 6241 |
| 14 | 4 | | 280 | 6225 |
| 15 | 4 | | 320 | 6227 |
| 16 | 4 | | 360 | 6229 |
| 17 | 4 | 23 Oct 2020 | 40 | 6231 |
| ----- | | | | |
| 18 | 5 | 06 Nov 2020 | 120 | 6340 |
| 19 | 5 | | 80 | 6344 |
| 20 | 5 | | 40 | 6348 |
| 21 | 5 | | 360 | 6350 |
| 22 | 5 | | 320 | 6352 |
| 23 | 5 | | 280 | 6354 |
| 24 | 5 | | 240 | 6356 |
| 25 | 5 | | 200 | 6358 |
| 26 | 6 | | 20 | 6382 |
| 27 | 6 | | 340 | 6384 |
| 28 | 6 | | 300 | 6386 |
| 29 | 6 | | 260 | 6388 |
| 30 | 6 | | 220 | 6390 |

| <u>Photo Number</u> | <u>Photo Point Number</u> | <u>Degrees Azimuth</u> | <u>Camera Photo Number</u> |
|---------------------|---------------------------|------------------------|----------------------------|
| 31 | 7 | 200 | 6394 |
| 32 | 7 | 240 | 6396 |
| 33 | 7 | 280 | 6398 |
| 34 | 7 | 320 | 6400 |
| 35 | 7 | 360 | 6402 |
| 36 | 7 | 40 | 6404 |
| 37 | 8 | 40 | 6416 |
| 38 | 8 | 360 | 6418 |
| 39 | 8 | 320 | 6420 |
| 40 | 8 | 280 | 6422 |
| 41 | 8 | 240 | 6424 |
| 42 | 9 | 160 | 6434 |
| 43 | 9 | 200 | 6436 |
| 44 | 9 | 240 | 6438 |
| 45 | 9 | 280 | 6440 |
| 46 | 9 | 320 | 6442 |
| 47 | 10 | 180 | 6466 |
| 48 | 10 | 140 | 6468 |
| 49 | 10 | 100 | 6470 |
| 50 | 10 | 60 | 6472 |
| 51 | 11 | 240 | 6518 |
| 52 | 11 | 200 | 6520 |
| 53 | 11 | 160 | 6522 |
| 54 | 11 | 120 | 6524 |
| 55 | 11 | 80 | 6526 |
| 56 | 12 | 260 | 6478 |
| 57 | 12 | 220 | 6480 |
| 58 | 12 | 180 | 6482 |
| 59 | 12 | 140 | 6484 |
| 60 | 12 | 100 | 6486 |

Photo Point Number

Photo Number

| | | |
|---|-----------|------|
| 1 | | 6255 |
| 2 | | 6242 |
| 3 | | 6235 |
| 4 | 23 Oct 20 | 6232 |

| | | |
|----|-----------|------|
| 5 | 06 Nov 20 | 6338 |
| 6 | | 6362 |
| 7 | | 6392 |
| 8 | | 6414 |
| 9 | | 6432 |
| 10 | | 6464 |
| 11 | | 6516 |
| 12 | | 6474 |

PHOTOGRAPHER AFFIDAVIT

I, Steve Ivas, declare that (1) I took the 60 photographs dated 23 October and 06 November, 2020, contained in the accompanying Baseline Documentation Report of the above-named premises, digitally archived as *.pdf image files, "The Point CR - Photo 1, Constitution Ave, Littleton, Photo Point #1, Azimuth 140 degrees, 23 Oct 2020 through "The Point CR - Photo 60, Constitution Ave, Littleton, Photo Point #12, Azimuth 100 degrees, 06 Nov 2020" and "The Point CR - Photo Point #1, Constitution Ave, Littleton, Orange Paint on Stone Wall, 23 Oct 2020" through "The Point CR - Photo Point #12, Constitution Ave, Littleton, Orange Paint around Drill Hole 06 Nov 2020;" (2) said photographs illustrate and document the natural and other resources of said Premises sought to be protected under a Conservation Restriction on the Premises; (3) said photographs fairly accurately depict the Premises as it appeared on the date that the photographs were taken; and (4) said photographs fairly and accurately depict the Premises as it appeared in late 2021, a year later, with no substantial changes to the Premises since 23 October and 06 November 2020, when the photographs were taken. The Conservation Restriction's grantee (The Town of Littleton Conservation Commission) holds unaltered originals in *.jpg format.

Signed under the pains and penalties of perjury this _____ day of January 2022.

By: _____
Steve Ivas, MS, PWS

Commonwealth of Massachusetts

Middlesex, ss.

On this _____ day of January, 2022 before me, the undersigned notary public, personally appeared _____ (NAME), known to me personally to be the person whose name is signed on the preceding document, and affirmed to me that the contents of the document are truthful and accurate to the best of his knowledge and belief.

Notary Public
My commission expires: _____

DECLARATION OF REPORT ACCURACY

We, _____ (For the Town of Littleton Conservation Commission) and Steve Ivas, hereby certify that:

This baseline documentation report (consisting of _____ pages plus exhibits) documents the current status of the land subject to Conservation Restriction ('the Premises') Point-LC1, Point-LC4, and DSM MB II LLC granted to the Town of Littleton Conservation Commission.

We declare that, in the preparation of this baseline report, we acted under and fulfilled our duty to gather and record the information contained herein accurately and in the regular course of the business of the Town of Littleton Conservation Commission. Further, we declare that the information contained herein accurately reflects our personal knowledge gained by our field observations.

Further, I, _____ certify that I reviewed 60 photographs of the Premises and 12 photographs of the photo points that Steve Ivas took on 23 Oct and 06 November 2020 ("the photographs") which are referenced with a number and location; that the photographs fairly and accurately depict the property as it appeared on the date when the photographs were taken; that the photographs are original and have not been altered in any way; and that printed versions and original digital files of these photographs remain on file with the Town of Littleton Conservation Commission.

We acknowledge and certify, to the best of our knowledge and belief, that the items in this Baseline Documentation Report, taken together and separately, are an accurate representation of the Premises and its natural resources on 23 October and 06 November 2020. This report was completed in June, 2023. The entirety of this report intended to aid in the enforcement of the conservation restriction.

(Print Name)

(Position) Town of Littleton Conservation
Commission

Steve Ivas, MS, PWS
(Print Name)

Commonwealth of Massachusetts

Middlesex, ss.

On this _____ day of January, 2022 before me, the undersigned notary public, personally appeared _____ (NAME), known to me personally to be the person whose name is signed on the preceding document, and affirmed to me that the contents of the document are truthful and accurate to the best of his knowledge and belief.

Notary Public
My commission expires: _____

Declaration of Report Accuracy and Acceptance

The duly authorized representatives of the following entities own the Premises in Littleton, Massachusetts over which they signed and delivered a Conservation Restriction to the Town of Littleton Conservation Commission, the Grantee, on [REDACTED] (Date)

Furthermore, they are familiar with the Premises' condition and acknowledge and certify, to the best of their knowledge and belief, that the items in this Baseline Documentation Report, taken together and separately, are an accurate representation of the Premises and its natural resources on [REDACTED] (Date), and further certify that they will hereinafter abide by the Conservation Restriction's terms and take no action that may harm the premises Conservation Values.

DSM MB II LLC

Arthur T. Demoulas, Manager

Donald T. Mulligan, Manager

COMMONWEALTH OF MASSACHUSETTS

Middlesex, ss:

On this _____ day of July 2023, before me, the undersigned notary public, personally appeared Arthur T. Demoulas and Donald T. Mulligan, known to me personally to be the persons whose names are signed on the proceeding document, and acknowledged to me that they signed it voluntarily for its stated purpose as the Managers of DSM MB II LLC and as the voluntary act of DSM MB II LLC.

Notary Public
My Commission Expires:

and

Point-LC1, LLC

a Delaware limited liability company

Samuel E. Park, Authorized Signatory

Point-LC4, LLC

a Delaware limited liability company

Samuel E. Park, Authorized Signatory

COMMONWEALTH OF MASSACHUSETTS

Middlesex, ss:

On this _____ day of July 2023, before me, the undersigned notary public, personally appeared Samuel E. Park, known to me personally to be the person whose name is signed on the proceeding document, and acknowledged to me that he signed it voluntarily for its stated purpose as Authorized Signatory of Point-LC1, LLC and Point-LC4, LLC as the voluntary act of Point-LC1, LLC and Point-LC4, LLC.

Notary Public
My Commission Expires:

Declaration of Reliance and Certification of Record

I, _____, hereby certify that:

I am _____ (**Position**) of the Town of Littleton Conservation Commission and that the Town of Littleton Conservation Commission adopts, and has relied upon, and will rely upon the information contained in this report to describe the condition of the premises subject to the Conservation Restriction Point-LC1, Point-LC4, and DSM MB II LLC donated to the Town of Littleton Conservation Commission. Further, I certify that (I) the preparation of this document complies with our general procedures for creating and maintaining business records and (ii) this document is an accurate representation of the property's condition and its natural resources on the Conservation Restriction's effective date. This document was created in the regular course of our business for the purpose of managing our Conservation Restriction portfolio.

Print Name

Position, Town of Littleton Conservation Commission

Commonwealth of Massachusetts

Middlesex, ss.

On this ____ day of July 2023 before me, the undersigned notary public, personally appeared

_____ (**NAME**), known to me personally to be the person whose name is signed on the preceding document, and affirmed to me that the contents of the document are truthful and accurate to the best of his knowledge and belief.

Notary Public

My commission expires: _____

Fig. 1 - The Point Conservation Restriction (CR), Littleton 2019 Orthophoto, CR Outline, & Photo Points



The Point Conservation Restriction Boundaries



The Point Conservation Restriction Photo Point



Scale: 1:3,000



Ivas Environmental
315 Winter St., Norwell MA 02061-1401
781.659.1690, spivas@comcast.net

E:\2020\Wetlands\Littleton\The Point\CR\Fig 1 - 26Nov20.mxd

Sources:
MassGIS 2019 Orthophotos (19TBH955130.jp2, 19TBH955145.jp2)
Allen & Major CR Boundary (1735-02A-CR-BOUNDARY-ESRI.shp)

Projection: NAD 1983 UTM Zone 19N



**Fig. 2 - The Point Conservation Restriction (CR), Littleton
2019 Orthophoto, Soils and Topography**

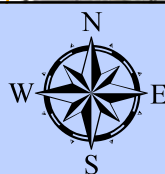


— Elevation Contours (feet)



The Point Conservation Restriction Boundaries

- 6A Scarboro mucky fine sandy loam, 0 - 3 % slopes [HYDRIC]
 32B Wareham loamy fine sand, 3 - 8 % slopes [HYDRIC]
 51A Swansee muck, 0 - 3 % slopes [HYDRIC]
 52A Freetown muck, 0 - 3 % slopes [HYDRIC]
 307D Paxton fine sandy loam, 15 - 25 % slopes, extremely stony
 310B, C Woodbridge fine sandy loam, 3 - 8%, 8 - 15 % slopes



Scale: 1:3,000

| Mode of Transport | Miles |
|-------------------|-------|
| Car | 125 |
| Train | 187.5 |
| Plane | 312.5 |
| Boat | 125 |



Ivas Environmental
315 Winter St., Norwell MA 02061-1401
781.659.1690, spivas@comcast.net

E:\2020\Wetlands\Littleton\The Point\CR \Fig 2 - 12Nov20.mxd

Sources:

- MassGIS 2019 Orthophotos (19TBH955130.jp2, 19TBH955145.jp2)
- Allen & Major CR Boundary (1735-02A-CR-BOUNDARY-ESRI.shp)
- MassGIS Elevation Contours (hp158.shp, hp330.shp)
- NRCS Middlesex County Soils (soi_midlxs.shp)

Projection: NAD 1983 UTM Zone 19N

**Fig. 3 - The Point Conservation Restriction (CR), Littleton
2019 Orthophoto and MA DEP Wetland Polygons and Boundaries**



 The Point Conservation Restriction Boundaries

 MA DEP 2009 Wetlands - Boundaries

 MA DEP 2009 Wetlands - Polygons

DM Deep Marsh

M Shallow Marsh, Meadow, or Fen

SS Shrub Swamp

WS1 Deciduous Wooded Swamp



Scale: 1:3,000

0 62.5 125 250 375 500
Feet



Ivas Environmental
315 Winter St., Norwell MA 02061-1401
781.659.1690, spivas@comcast.net

E:\2020\Wetlands\Littleton\The Point\CR\Fig 2 - 12Nov20.mxd

Sources:

MassGIS 2019 Orthophotos (19TBH955130.jp2, 19TBH955145.jp2)

Allen & Major CR Boundary (1735-02A-CR-BOUNDARY-ESRI.shp)

MassGIS Elevation Contours (hp158.shp, hp330.shp)

NRCS Middlesex County Soils (soi_midlxs.shp)

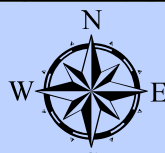
Projection: NAD 1983 UTM Zone 19N

**Fig. 4 - The Point Conservation Restriction (CR), Littleton
2019 Orthophoto and Assigned Vegetation Types**



The Point Conservation Restriction Boundaries

NB: Labels from Classification of Natural
Communities of Massachusetts
<http://www.mass.gov/nhesp/>
(except for Old Fields)



Scale: 1:3,000

0 62.5 125 250 375 500
Feet



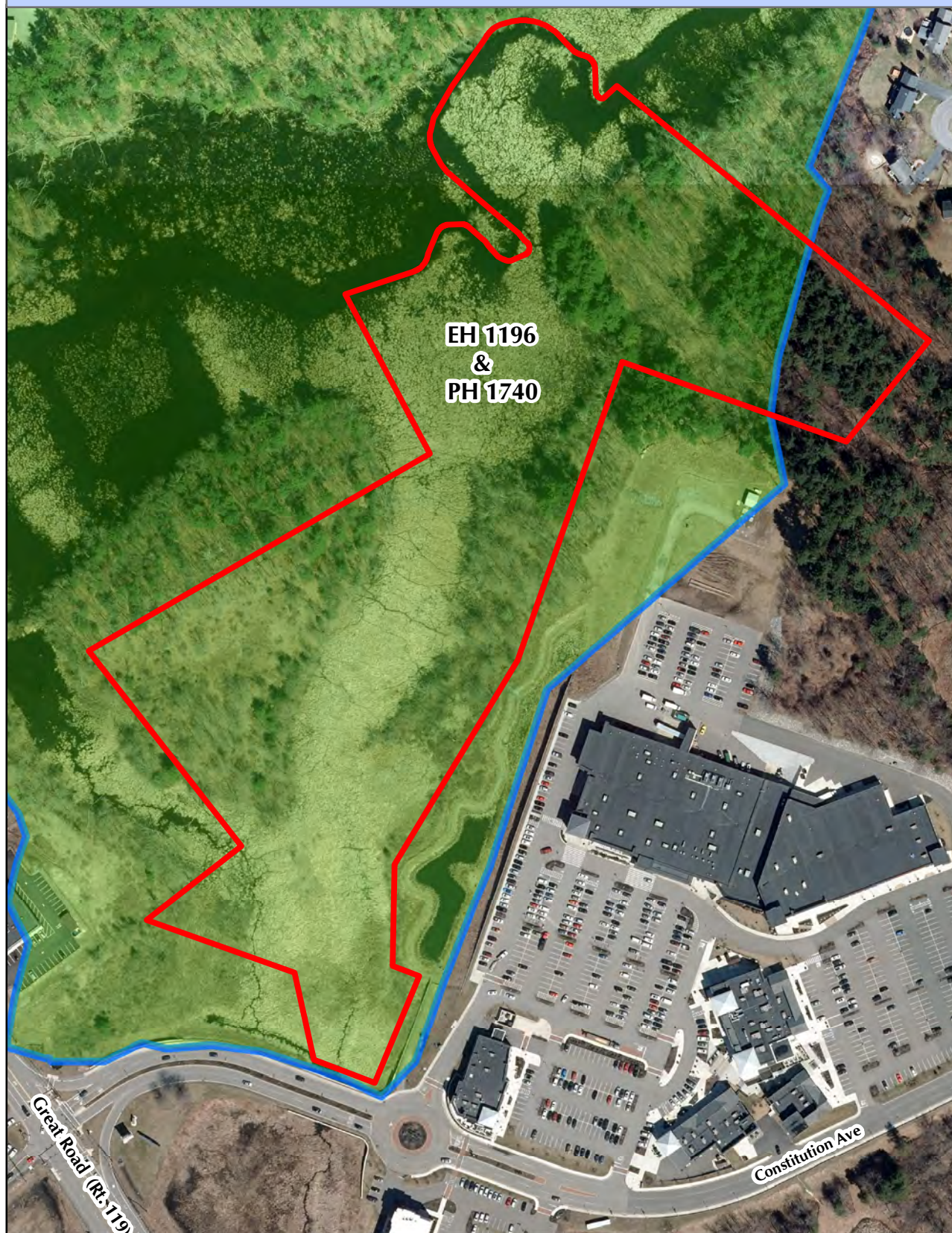
Ivas Environmental
315 Winter St., Norwell MA 02061-1401
781.659.1690, spivas@comcast.net




E:\2020\Wetlands\Littleton\The Point\CR\Fig 4 - 01Dec20.mxd

Sources:
MassGIS 2019 Orthophotos (19TBH955130.jp2, 19TBH955145.jp2)
Allen & Major CR Boundary (1735-02A-CR-BOUNDARY-ESRI.shp)

Projection: NAD 1983 UTM Zone 19N

**Fig. 5 - The Point Conservation Restriction (CR), Littleton
2019 Orthophoto and Estimated and Priority Habitats**



-  The Point Conservation Restriction Boundaries
-  NHESP 2017 Estimated Habitats of Rare Wildlife
-  NHESP 2017 Priority Habitats of Rare Species



Scale: 1:3,000

0 62.5 125 250 375 500 Feet



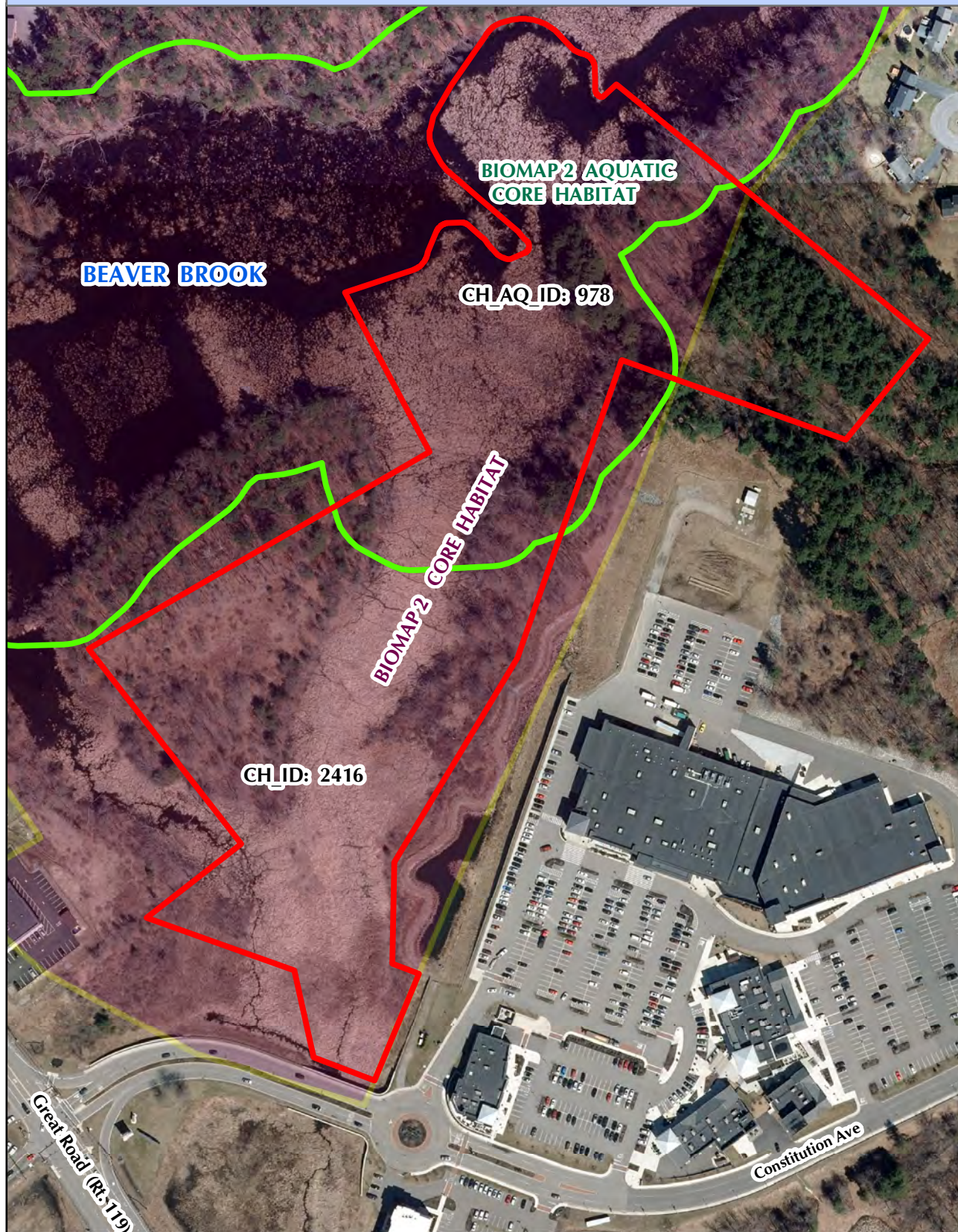
Ivas Environmental
315 Winter St., Norwell MA 02061-1401
781.659.1690, spivas@comcast.net




E:\2020\Wetlands\Littleton\The Point\CR\Fig 5 - 01Dec20.mxd

Sources:
MassGIS 2019 Orthophotos (19TBH955130.jp2, 19TBH955145.jp2)
Allen & Major CR Boundary (1735-02A-CR-BOUNDARY-ESRI.shp)
NHESP 2017 Estimated Habitats of Rare Wildlife (esthab_poly.shp)
NHESP 2017 Priority Habitats of Rare Species (prihab_poly.shp)

Projection: NAD 1983 UTM Zone 19N

**Fig. 6 - The Point Conservation Restriction (CR), Littleton
2019 Orthophoto & BioMap 2 Core and Aquatic Core Habitats**



-  The Point Conservation Restriction Boundaries
-  BIOMAP2 AQUATIC CORE HABITAT
-  BIOMAP2 CORE HABITAT



Scale: 1:3,000



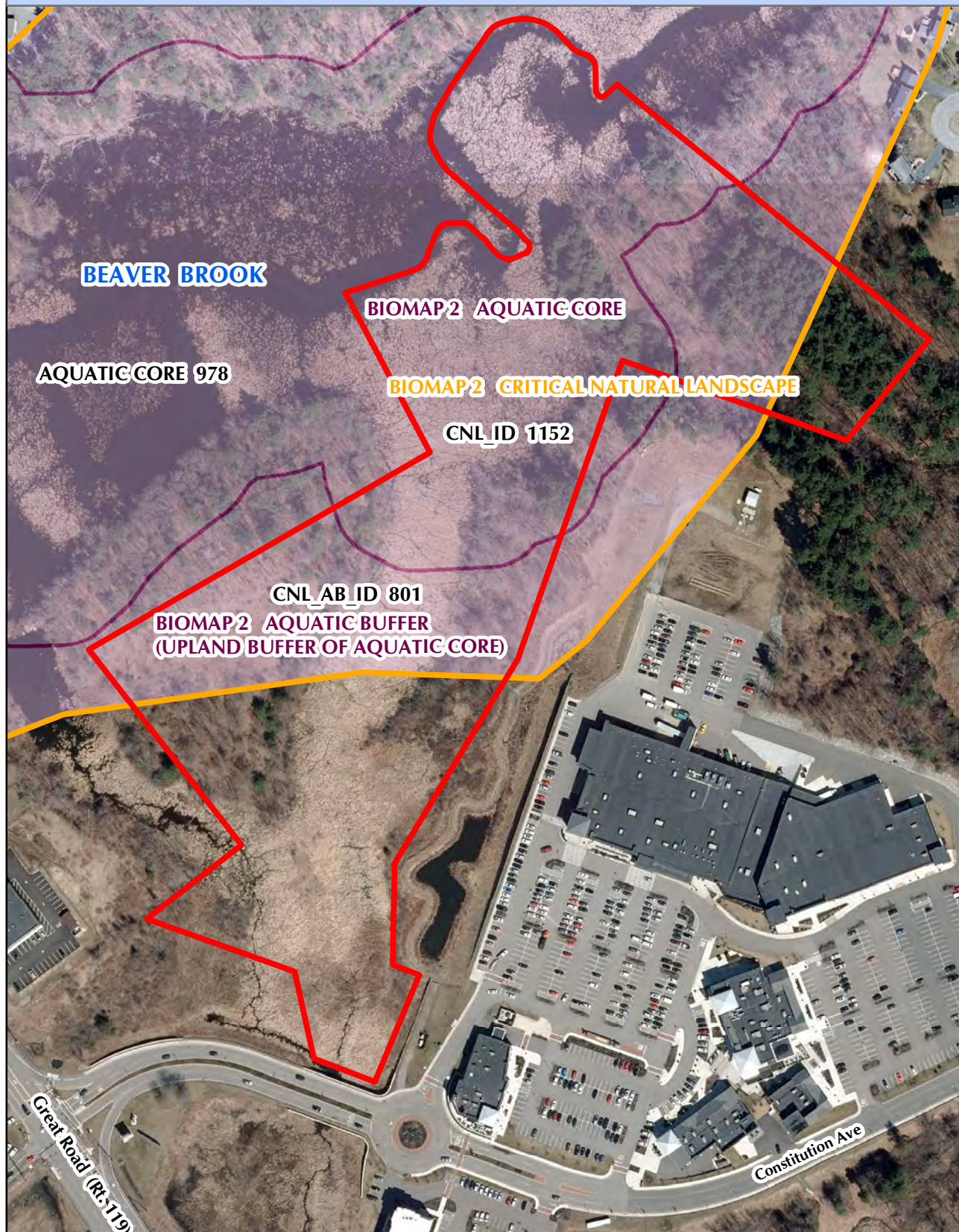
Ivas Environmental
315 Winter St., Norwell MA 02061-1401
781.659.1690, spivas@comcast.net




E:\2020\Wetlands\Littleton\The Point\CR\Fig 6 - 02Dec20.mxd

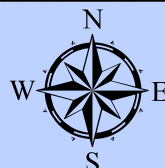
Sources:
MassGIS 2019 Orthophotos (19TBH955130.jp2, 19TBH955145.jp2)
Allen & Major CR Boundary (1735-02A-CR-BOUNDARY-ESRI.shp)
BioMap 2 Core Habitat (BM2_CORE.SHP)
BioMap 2 Aquatic Core Habitat (BM2_AQ_CORE.shp)

Projection: NAD 1983 UTM Zone 19N

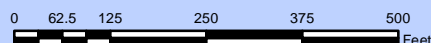
**Fig. 7 - The Point Conservation Restriction (CR), Littleton
2019 Orthophoto & BioMap 2 Wetland Buffer & Critical Natural Landscape**



-  The Point Conservation Restriction Boundaries
-  BIOMAP2 CRITICAL NATURAL LANDSCAPE
-  BIOMAP2 CRITICAL NATURAL LANDSCAPE AQUATIC BUFFER



Scale: 1:3,000



Ivas Environmental
315 Winter St., Norwell MA 02061-1401
781.659.1690, spivas@comcast.net

E:\2020\Wetlands\Littleton\The Point\CR \Fig 7 - 02Dec20.mxd

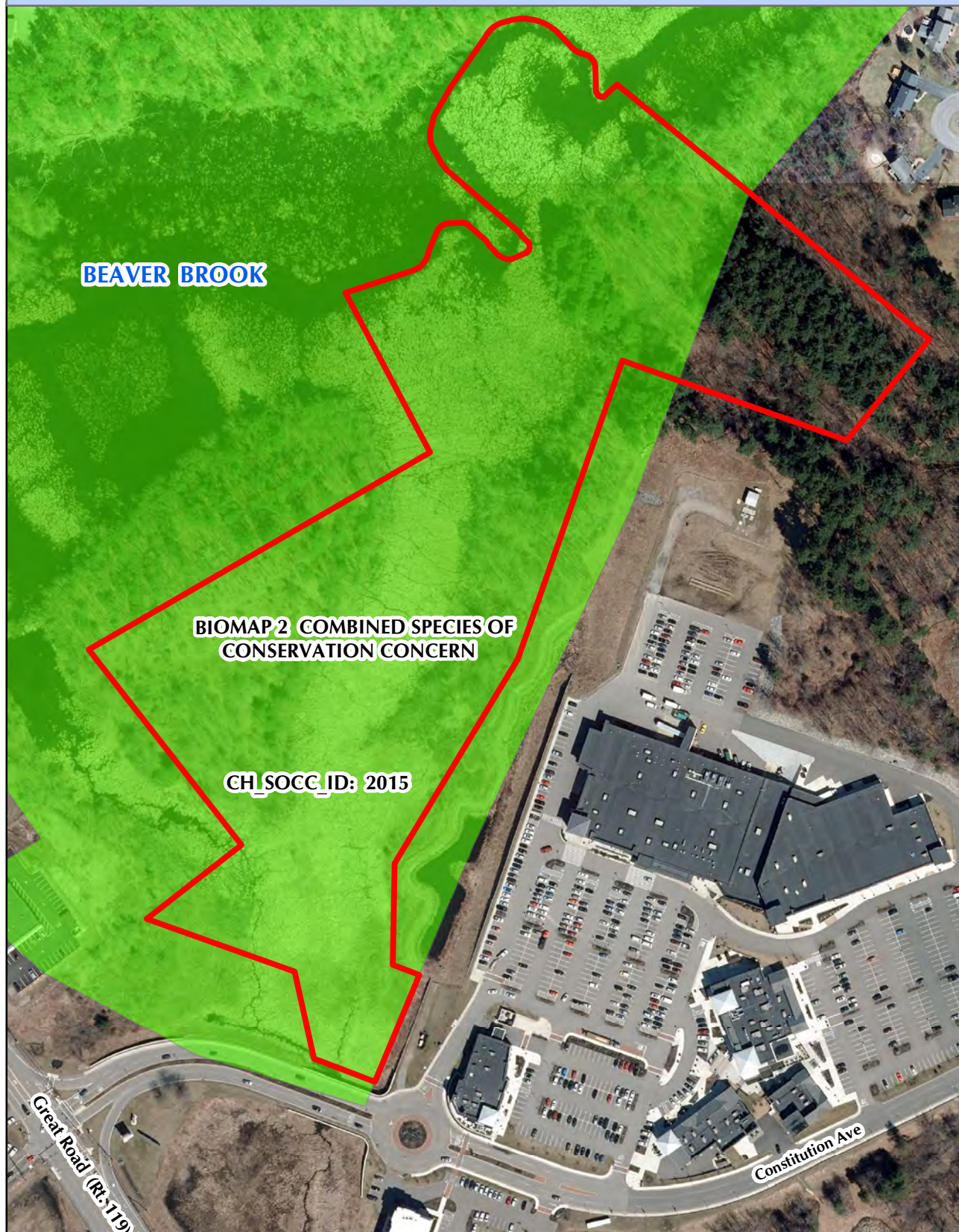
Sources:

MassGIS 2019 Orthophotos (19TBH955130.jp2, 19TBH955145.jp2)
Allen & Major CR Boundary (1735-02A-CR-BOUNDARY-ESRI.shp)

BioMap 2 Critical Natural Landscape (BM2_CRITICAL_NATURAL_LANDSCAPE.shp)
BioMap 2 Aquatic Buffer (BM2_CNL_AQUATIC_BUFFER.SHP)

Projection: NAD 1983 UTM Zone 19N

**Fig. 8 - The Point Conservation Restriction (CR), Littleton
2019 Orthophoto & BioMap 2 Species of Conservation Concern**



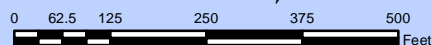
The Point Conservation Restriction Boundaries



BIOMAP2 COMBINED SPECIES OF CONSERVATION CONCERN



Scale: 1:3,000



Ivas Environmental
315 Winter St., Norwell MA 02061-1401
781.659.1690, spivas@comcast.net

E:\2020\Wetlands\Littleton\The Point\CR\Fig 8 - 02Dec20.mxd

Sources:

MassGIS 2019 Orthophotos (19TBH955130.jp2, 19TBH955145.jp2)
Allen & Major CR Boundary (1735-02A-CR-BOUNDARY-ESRI.shp)
BioMap 2 Combined Species of Conservation Concern (BM2_CH_SPECIES_CONS_CONCERN.shp)

Projection: NAD 1983 UTM Zone 19N

The Point - Conservation Restriction Photo Locations - 1/4




Photo Point #1, about 50 ft from the edge of Beaver Brook along a stone wall. Point painted with orange paint on stone wall adjacent to mature eastern white pine. View to South.



Photo Point #2, about 50 ft from the edge of another stone wall that continues parallel to the northerly CR boundary, along a perpendicular stone wall near the toe of the slope. Point painted orange near a mature red maple. View to Southwest.




Photo Point #3, a granite bound about 40 ft from a east-west stone wall that parallels the northerly boundary of the CR - this wall continues down a slope to Photo Point #1.

A photograph of a forest in autumn. The ground is covered with fallen yellow and orange leaves. Several large, grey-barked trees stand prominently. In the foreground, there are several large, mossy grey rocks and some small green pine plants. The background shows a dense forest with trees having colorful autumn foliage.


**The Point CR - Photo 1
Constitution Ave, Littleton
Photo Point #1, Azimuth 140 degrees
23 Oct 2020**

23. 10. 2020



**The Point CR - Photo 2
Constitution Ave, Littleton
Photo Point #1, Azimuth 180 degrees
23 Oct 2020**

23. 10. 2020



The Point CR - Photo 3
Constitution Ave, Littleton
Photo Point #1, Azimuth 220 degrees
23 Oct 2020

23. 10. 2020



The Point CR - Photo 4
Constitution Ave, Littleton
Photo Point #1, Azimuth 260 degrees
23 Oct 2020

23. 10. 2020



The Point CR - Photo 5
Constitution Ave, Littleton
Photo Point #1, Azimuth 300 degrees
23 Oct 2020

23. 10. 2020



The Point CR - Photo 6
Constitution Ave, Littleton
Photo Point #2, Azimuth 140 degrees
23 Oct 2020

23. 10. 2020



**The Point CR - Photo 7
Constitution Ave, Littleton
Photo Point #2, Azimuth 180 degrees
23 Oct 2020**

23. 10. 2020



The Point CR - Photo 8
Constitution Ave, Littleton
Photo Point #2, Azimuth 220 degrees
23 Oct 2020

23. 10. 2020



The Point CR - Photo 9
Constitution Ave, Littleton
Photo Point #2, Azimuth 260 degrees
23 Oct 2020

23. 10. 2020



**The Point CR - Photo 10
Constitution Ave, Littleton
Photo Point #2, Azimuth 300 degrees
23 Oct 2020**

23. 10. 2020



The Point CR - Photo 11
Constitution Ave, Littleton
Photo Point #3, Azimuth 240 degrees
23 Oct 2020

23. 10. 2020



The Point CR - Photo 12
Constitution Ave, Littleton
Photo Point #3, Azimuth 280 degrees
23 Oct 2020

23.10.2020



The Point CR - Photo 13
Constitution Ave, Littleton
Photo Point #3, Azimuth 320 degrees
23 Oct 2020

23. 10. 2020



The Point CR - Photo 14
Constitution Ave, Littleton
Photo Point #4, Azimuth 280 degrees
23 Oct 2020

23. 10. 2020




The Point CR - Photo 15
Constitution Ave, Littleton
Photo Point #4, Azimuth 320 degrees
23 Oct 2020

23. 10. 2020



The Point CR - Photo 16
Constitution Ave, Littleton
Photo Point #4, Azimuth 360 degrees
23 Oct 2020

23. 10. 2020




The Point CR - Photo 17
Constitution Ave, Littleton
Photo Point #4, Azimuth 40 degrees
23 Oct 2020

23. 10. 2020



**The Point CR - Photo 18
Constitution Ave, Littleton
Photo Point #5, Azimuth 120 degrees
06 Nov 2020**

6. 11. 2020



The Point CR - Photo 19
Constitution Ave, Littleton
Photo Point #5, Azimuth 80 degrees
06 Nov 2020

6. 11. 2020



The Point CR - Photo 20
Constitution Ave, Littleton
Photo Point #5, Azimuth 40 degrees
06 Nov 2020

6.11.2020



The Point CR - Photo 21
Constitution Ave, Littleton
Photo Point #5, Azimuth 360 degrees
06 Nov 2020

6. 11. 2020



The Point CR - Photo 22
Constitution Ave, Littleton
Photo Point #5, Azimuth 320 degrees
06 Nov 2020

6. 11. 2020



The Point CR - Photo 23
Constitution Ave, Littleton
Photo Point #5, Azimuth 280 degrees
06 Nov 2020

6. 11. 2020

A photograph of a wooded area. In the foreground, there is a large, light-colored rock on the left side. The ground is covered with fallen leaves and some small plants. Several trees are visible, with some having bare branches and others having green or yellowing leaves. The background shows a dense forest. The sky is visible through the trees.


The Point CR - Photo 24
Constitution Ave, Littleton
Photo Point #5, Azimuth 240 degrees
06 Nov 2020

6.11.2020



The Point CR - Photo 25
Constitution Ave, Littleton
Photo Point #5, Azimuth 200 degrees
06 Nov 2020

6.11.2020



The Point CR - Photo 26
Constitution Ave, Littleton
Photo Point #6, Azimuth 20 degrees
06 Nov 2020

6. 11. 2020



The Point CR - Photo 27
Constitution Ave, Littleton
Photo Point #6, Azimuth 340 degrees
06 Nov 2020

6. 11. 2020



The Point CR - Photo 28
Constitution Ave, Littleton
Photo Point #6, Azimuth 300 degrees
06 Nov 2020

6.11.2020



The Point CR - Photo 29
Constitution Ave, Littleton
Photo Point #6, Azimuth 260 degrees
06 Nov 2020

6. 11. 2020



The Point CR - Photo 30
Constitution Ave, Littleton
Photo Point #6, Azimuth 220 degrees
06 Nov 2020

6.11.2020

The Point CR - Photo 31
Constitution Ave, Littleton
Photo Point #7, Azimuth 200 degrees
06 Nov 2020



6.11.2020



The Point CR - Photo 32
Constitution Ave, Littleton
Photo Point #7, Azimuth 240 degrees
06 Nov 2020

6. 11. 2020



**The Point CR - Photo 33
Constitution Ave, Littleton
Photo Point #7, Azimuth 280 degrees
06 Nov 2020**

6. 11. 2020



The Point CR - Photo 34
Constitution Ave, Littleton
Photo Point #7, Azimuth 320 degrees
06 Nov 2020

6. 11. 2020

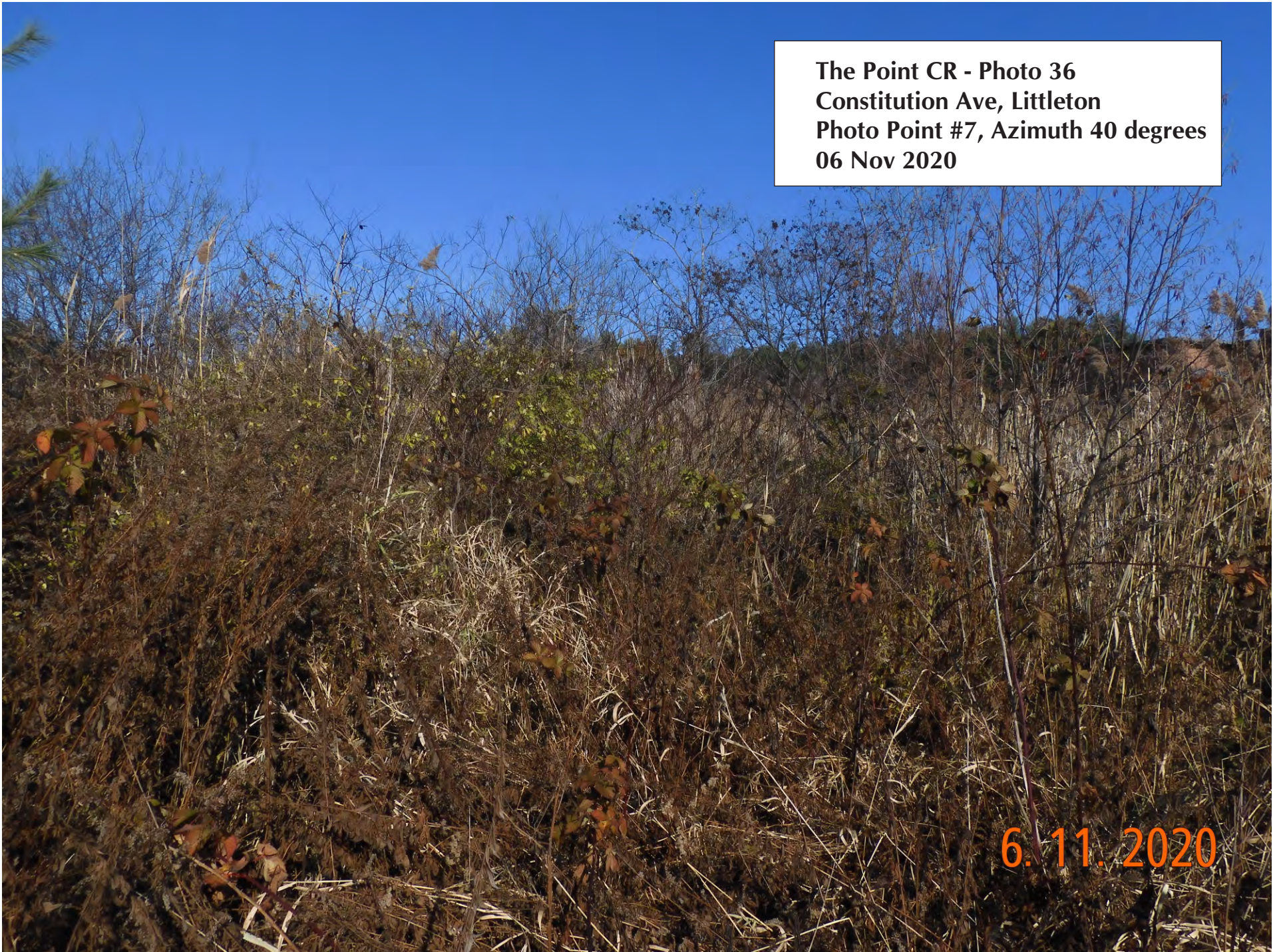



The Point CR - Photo 35
Constitution Ave, Littleton
Photo Point #7, Azimuth 360 degrees
06 Nov 2020

6. 11. 2020

The Point CR - Photo 36
Constitution Ave, Littleton
Photo Point #7, Azimuth 40 degrees
06 Nov 2020

6.11.2020





The Point CR - Photo 37
Constitution Ave, Littleton
Photo Point #8, Azimuth 40 degrees
06 Nov 2020

6. 11. 2020



The Point CR - Photo 38
Constitution Ave, Littleton
Photo Point #8, Azimuth 360 degrees
06 Nov 2020

6.11.2020

A photograph showing a dense field of tall, dry reeds or grasses. The stalks are thin and vertical, with some showing signs of being cut or broken. The leaves are dry and brownish-yellow. The background is a clear, bright blue sky. The overall scene is a natural, outdoor setting.

The Point CR - Photo 39
Constitution Ave, Littleton
Photo Point #8, Azimuth 320 degrees
06 Nov 2020

6. 11. 2020

The Point CR - Photo 40
Constitution Ave, Littleton
Photo Point #8, Azimuth 280 degrees
06 Nov 2020

6. 11. 2020





**The Point CR - Photo 41
Constitution Ave, Littleton
Photo Point #8, Azimuth 240 degrees
06 Nov 2020**

6. 11. 2020



**The Point CR - Photo 42
Constitution Ave, Littleton
Photo Point #9, Azimuth 160 degrees
06 Nov 2020**

6. 11. 2020

The Point CR - Photo 43
Constitution Ave, Littleton
Photo Point #9, Azimuth 200 degrees
06 Nov 2020

6. 11. 2020



The Point CR - Photo 44
Constitution Ave, Littleton
Photo Point #9, Azimuth 240 degrees
06 Nov 2020

6. 11. 2020



The Point CR - Photo 45
Constitution Ave, Littleton
Photo Point #9, Azimuth 280 degrees
06 Nov 2020

6. 11. 2020

The Point CR - Photo 46
Constitution Ave, Littleton
Photo Point #9, Azimuth 320 degrees
06 Nov 2020



6. 11. 2020



**The Point CR - Photo 47
Constitution Ave, Littleton
Photo Point #10, Azimuth 180 degrees
06 Nov 2020**

6.11.2020



The Point CR - Photo 48
Constitution Ave, Littleton
Photo Point #10, Azimuth 140 degrees
06 Nov 2020

6. 11. 2020



The Point CR - Photo 49
Constitution Ave, Littleton
Photo Point #10, Azimuth 100 degrees
06 Nov 2020

6.11.2020




**The Point CR - Photo 50
Constitution Ave, Littleton
Photo Point #10, Azimuth 60 degrees
06 Nov 2020**

6.11.2020



**The Point CR - Photo 51
Constitution Ave, Littleton
Photo Point #11, Azimuth 240 degrees
06 Nov 2020**

6. 11. 2020



The Point CR - Photo 52
Constitution Ave, Littleton
Photo Point #11, Azimuth 200 degrees
06 Nov 2020

6. 11. 2020



**The Point CR - Photo 53
Constitution Ave, Littleton
Photo Point #11, Azimuth 160 degrees
06 Nov 2020**

6.11.2020



The Point CR - Photo 54
Constitution Ave, Littleton
Photo Point #11, Azimuth 120 degrees
06 Nov 2020

6.11.2020

A photograph of a stone wall in a forest. The wall is constructed from large, flat, grey stones, stacked in a slightly irregular pattern. It runs diagonally from the lower left towards the upper right. The surrounding forest is dense with trees, many of which have bare branches, suggesting late autumn or early winter. The ground is covered with fallen leaves and some low-lying vegetation. Sunlight filters through the trees, creating dappled light on the ground and the wall. A white text box is overlaid in the upper right corner, and an orange date stamp is in the lower right corner.

The Point CR - Photo 55
Constitution Ave, Littleton
Photo Point #11, Azimuth 80 degrees
06 Nov 2020

6. 11. 2020

A photograph of a forest path. In the foreground, a large, moss-covered rock sits on the ground. To its left, a fallen tree trunk lies horizontally. In the background, a stone wall runs along the path, and several trees with autumn-colored leaves stand. The sun is visible through the trees in the upper center.

The Point CR - Photo 56
Constitution Ave, Littleton
Photo Point #12, Azimuth 260 degrees
06 Nov 2020

6. 11. 2020



The Point CR - Photo 57
Constitution Ave, Littleton
Photo Point #12, Azimuth 220 degrees
06 Nov 2020

6. 11. 2020

A photograph of a wooded area during autumn. The ground is covered with fallen brown leaves and several large, weathered logs. Several trees with thin trunks are visible, some with sparse green leaves and others with bare branches. The lighting suggests a bright day with sunlight filtering through the trees.

The Point CR - Photo 58
Constitution Ave, Littleton
Photo Point #12, Azimuth 180 degrees
06 Nov 2020

6. 11. 2020



The Point CR - Photo 59
Constitution Ave, Littleton
Photo Point #12, Azimuth 140 degrees
06 Nov 2020

6. 11. 2020

A photograph of a wooded area with a pink and yellow ribbon tied to a branch in the foreground. The background shows a dense forest of trees with some autumn-colored foliage. The foreground is filled with dry, tangled branches and some green leaves. A large tree trunk is visible on the left side of the frame.

The Point CR - Photo 60
Constitution Ave, Littleton
Photo Point #12, Azimuth 100 degrees
06 Nov 2020

6.11.2020