

# Full Environmental Assessment Form Part 1

for  
*Proposed Multifamily Development and Office Building*

**248 Tioronda Avenue**  
**City of Beacon**  
**Dutchess County, New York**



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*Chazen Project No. 81750.00*

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## TABLE OF CONTENTS

### PROJECT NARRATIVE

<b>1.0</b>	<b>PROJECT DESCRIPTION .....</b>	<b>1</b>
1.1	Introduction .....	1
1.1	Project History.....	1
1.2	Current Project.....	2
<b>2.0</b>	<b>LAND USE AND ZONING .....</b>	<b>2</b>
2.1	Land Use.....	2
2.2	City of Beacon Comprehensive Plan .....	2
2.3	City of Beacon Zoning.....	4
2.4	City of Beacon Local Waterfront Revitalization Plan (LWRP).....	6
<b>3.0</b>	<b>COMMUNITY SERVICES .....</b>	<b>6</b>
3.1	Police and Fire Protection Services .....	6
3.2	School District .....	6
<b>4.0</b>	<b>SOILS, TOPOGRAPHY, AND WATER RESOURCES .....</b>	<b>7</b>
4.1	Soils and Topography .....	7
4.2	Water Resources .....	8
4.3	Floodplain.....	8
<b>5.0</b>	<b>UTILITIES .....</b>	<b>8</b>
5.1	Water and Wastewater.....	8
5.2	Stormwater .....	9
<b>6.0</b>	<b>TRAFFIC AND PARKING .....</b>	<b>9</b>
6.1	Traffic .....	9
6.2	Parking.....	11
<b>7.0</b>	<b>NOISE AND LIGHTING.....</b>	<b>12</b>
7.1	Noise .....	12
7.2	Lighting.....	12
<b>8.0</b>	<b>SOLID WASTE.....</b>	<b>12</b>
<b>9.0</b>	<b>CONTAMINATION HISTORY .....</b>	<b>13</b>
<b>10.0</b>	<b>ENDANGERED, THREATENED AND RARE SPECIES AND SIGNIFICANT HABITAT .....</b>	<b>13</b>
<b>11.0</b>	<b>HISTORIC AND ARCHEOLOGICAL RESOURCES.....</b>	<b>14</b>
<b>12.0</b>	<b>COMMUNITY CHARACTER.....</b>	<b>14</b>

## LIST OF TABLES

Table 3-1: Anticipated Public School Children Generated by the Project.....	6
Table 4-1: Characteristics of Soil Types within Project Site .....	7
Table 6-1: Traffic Generation .....	10

## FULL ENVIRONMENTAL ASSESSMENT FORM PART 1 FORM

## FIGURES

- Figure 1: USGS Location Map
- Figure 2: Orthophoto Tax Map
- Figure 3: Land Use Map
- Figure 4: Soils Map
- Figure 5: Slopes Map
- Figure 6: Wetland, Stream, and Floodplain Map
- Figure 7: NYSDEC Environmental Resource Map
- Figure 8: NYSOPRHP Cultural Resource Information System (CRIS) Map
- Figure 9: Scenic and Aesthetic Resources Map

## ATTACHMENTS

- Attachment A: Updated Traffic Synchro Analysis
- Attachment B: NYSDEC Correspondence and US Fish & Wildlife Service (USFWS) Official Species List

Note: Site Plan submitted separately.



## PROJECT NARRATIVE

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## 1.0 PROJECT DESCRIPTION

### 1.1 Introduction

The Applicant, 248 Beacon Holdings LLC, proposes the redevelopment of the northern portion of the former Tuck Industries manufacturing site with a 64-unit multifamily residential development and a 25,400 square foot (SF) office building, with associated parking. A Greenway Trail for public use is proposed along the Fishkill Creek. The 9.18-acre project site consists of two tax parcels identified as parcels 5954-16-993482 and 6054-45-012574 on the City of Beacon tax map, which are proposed to be consolidated. Access to the development is provided from Tioronda Avenue across the Metropolitan Transit Authority (MTA) property via easement. A second gated access for emergency and pedestrian use only is provided from Wolcott Avenue (NYS Route 9D). The proposed development is contained almost entirely within the former Tuck Industries development area.

The FEAF was completed utilizing the NYSDEC EAF Mapper, which provides automated responses to certain questions. The EAF Mapper tool sometimes indicates limited availability for some digital data. This narrative provides clarification for responses and/or reference used for the responses.

### 1.1 Project History

The project site is located in the Fishkill Creek Development (FCD) District, according to the City of Beacon Zoning Map. Development within this District requires both City Council and Planning Board approvals. The current property owner and previous Applicant, Beacon 248 Development, LLC, received Concept Plan and Special Permit Approvals by the City of Beacon City Council on August 4<sup>th</sup>, 2014, for the redevelopment of the site for a 100-unit multifamily residential development. The Planning Board was Lead Agency for the State Environmental Quality Review (SEQR), and a Negative Declaration was adopted on April 8, 2014, after determination that the project would not have any significant adverse environmental impacts. Planning Board Approvals for Subdivision (lot consolidation) and Site Plan were granted on January 13, 2015. The approved site plan layout included four residential buildings, a 1,200 SF clubhouse, and a swimming pool for use by residents only. The site plan also included a Greenway Trail along the Fishkill Creek for public use. An access easement was granted by MTA for the Tioronda Avenue access drive. The property owner subsequently was granted extensions of the Planning Board approvals for site plan and subdivision.

In 2017, the City Council adopted zoning amendments which included amendments to the FCD regulations. "Attached apartment and multifamily dwellings" is a permitted principal use that previously required a special permit from the City Council in the FCD District. However, the adopted zoning amendments eliminate the need for a special permit. "Professional and business offices in buildings that face streets" are also permitted in the FCD District. A FCD project requires concept approval and SEQR by the City Council and site plan approval by the Planning Board. The zoning amendments also result in a reduction in the number of dwelling units that would be permitted for this property.

## 1.2 Current Project

The current Applicant has presented a new concept plan that meets the amended FCD requirements. The number of dwelling units has been reduced from 100 units to 64 units, which include 28 one-bedroom units and 36 two-bedroom units (100 bedrooms). The proposed site plan includes two residential buildings and a 25,400 SF office building. Many of the features that were incorporated into the approved plan have been retained in the currently proposed site plan, including the Greenway Trail and emergency access drive. The current plan continues to be located mostly within the area of development for the former Tuck Industries facility.

## 2.0 LAND USE AND ZONING

### 2.1 Land Use

The project site is located on Tioronda Avenue with additional road frontage on Wolcott Avenue. Figure 3 shows land uses within 1,000 feet of the site. The properties north of the project site are vacant residential land and the City of Beacon highway garage. The project site is separated from Tioronda Avenue by a railroad bed owned by MTA, and across Tioronda Avenue are single family residences and a public school. Adjacent to the project site to the south is a vacant industrial property, also located in the FCD district. Uses across the Fishkill Creek from the project site include single family residences, a two-family residence, vacant residential land owned by the City of Beacon, and an animal rescue facility. The proposed residential and office uses will blend in with the other residential uses in the area and will be consistent with future development of the FCD properties to the north and south. The project involves the redevelopment of a deteriorated former industrial site. The project will aesthetically improve the site with new landscaping, decorative lighting, and architecturally pleasing new buildings, as well as providing a public Greenway Trail along the Fishkill Creek.

### 2.2 City of Beacon Comprehensive Plan

The City of Beacon Comprehensive Plan adopted December 17, 2007, proposed a combination of new open spaces and parks balanced with new opportunities for commercial and residential development in several key areas of the City, including the former industrial sites along the Fishkill Creek. The 2007 Comprehensive Plan encouraged residential development at these old industrial sites, and actually provided for greater density (15 dwelling units per acre), stating that: *“Allowing these lands to be built at greater densities represents an efficient use of land in a location capable of supporting this level of development. The City expects to benefit from this through the physical revitalization of these areas.”*

The Comprehensive Plan Update adopted April 3, 2017, (the “Plan”) reflects land use, demographic and socioeconomic changes that have taken place since the 2007 plan was adopted. The updated recommendations in the Plan address environmental protection, economic development, affordable housing and improved community services and facilities. The primary focus of the 2017 Plan is the waterfront and train station area; therefore, many of the policies and recommendations of the 2007 Comprehensive Plan that applied to the project site are still applicable.

One of the Goals of the Plan is to “*encourage a vibrant business community in harmony with existing commercial and industrial areas throughout the community. Employ all available mechanisms to meet the City’s objectives for economic development*” (page 66), and Objectives and Recommendations under this Goal for vacant industrial sites is to “*encourage the environmental cleanup and redevelopment of the unused or underutilized industrial sites along Fishkill Creek for new light industrial, commercial, or residential uses, as appropriate. New uses proposed for the vacant sites away from Main Street should not conflict or compete unduly with existing uses in the City*” (page 68).

The goals of the Plan that relate to “*Environmental Resources*” include to “*preserve environmentally significant features and create an open space system of sufficient size to reserve adequate areas for the protection of water related resources, wildlife, and land forms of particular environmental value. The rare assets of the City, such as the Hudson River and Fishkill Creek, should be protected, as should the Hudson Highlands on the slopes of Mt. Beacon*” and to “*encourage high environmental standards for development and infrastructure, develop sources of renewable energy and improve the environmental performance of City-owned property* (page 24).” One of the objectives of this goal is to “*establish and preserve open space corridors along Fishkill Creek and the Hudson River, and seek open space linkages to the large areas of open space in the Hudson Highlands on the slopes of Mt. Beacon*”. The proposed public Greenway Trail is consistent with this goal and objective, as the trail area along the creek is preserved with a conservation easement, and extends across the site to allow connection to adjacent properties along the creek.

The goal of the Comprehensive Plan that relates to “*Population and Residential Development*” includes “(1) *strive to maintain a variety of housing opportunities that area accessible to a wide variety of income levels*”; “(4) *encourage residential development of vacant and underutilized former industrial sites*”; and “(5) *ensure continued racial, ethnic, age and economic diversity of the population through encouraging a wide range of housing choices*” (page 52). The City’s creation of the Fishkill Creek Development (FCD) district represents implementation of this goal and these objectives. The project is consistent in that it is a mix of uses which include market rate residential housing along with a public Greenway Trail. The project will comply with the requirements for affordable-workforce housing per Article IVBX of the zoning code. Stormwater management will include green infrastructure practices such as bioretention.

The goal of the Comprehensive Plan that relates to “*Commercial, Office, and Industrial Development*” is to “*encourage a vibrant business community in harmony with existing commercial and industrial areas throughout the community. Employ all available mechanisms to meet the City’s objectives for economic development*” (page 66). An objective of this goal (Objective F) is to “*encourage the environmental cleanup and redevelopment of the unused or underutilized industrial sites along Fishkill Creek for new light industrial, commercial, or residential uses, as appropriate. New uses proposed for the vacant sites away from Main Street should not conflict or compete unduly with existing uses in the City*” (page 68).

The project consists of the redevelopment of the former Tuck Industries manufacturing site for a multifamily residential development and office building. The project site was listed in the NYSDEC’s Environmental Remediation Database as a Site Code 314044, formerly operated as a tape manufacturing facility. The listing was the result of leaking drums and storage tanks that contained solvents and solvent recovery system waste which resulted in soil contamination. The industrial buildings were demolished and removed, and the site was remediated to the satisfaction of NYSDEC, and is ready for redevelopment, consistent with this goal and objective of the Comprehensive Plan.

The goal of the Comprehensive Plan that relates to “Recreation and Community Facilities” is that “community services for all age groups should be provided consistent with the economic growth of the City and its available resources. Regional facilities should be encouraged to locate in the City. Develop a recreational open space system of sufficient size and locational qualities to meet the complete range of recreational needs for the people” (page 142). An objective of this goal is to “continue to develop Greenways along the Hudson River and Fishkill Creek for public recreation, and provide linkages to trails towards the Hudson Highlands and the slopes of Mt. Beacon” and to “determine the future use of the railroad tracks along Fishkill Creek for vehicles capable of utilizing the tracks or for a bicycle and pedestrian path, and implement the decision” (page 144).

The project includes a Greenway Trail along the Fishkill Creek that will be accessible to the public and which can connect to adjacent properties. The proposed Greenway Trail is likely to alleviate some of the pressure on other public parks and recreational facilities in the City.

Based on this information, the project is consistent with the City of Beacon Comprehensive Plan.

### 2.3 City of Beacon Zoning

The project site is situated in the Fishkill Creek Development (FCD) District as designated by the City of Beacon zoning regulations. According to Article IVC, *Fishkill Creek Development (FCD) District*, the purposes of the FCD District include:

- A. *Encourage the development and/or redevelopment of undeveloped or underutilized industrial properties along the Fishkill Creek in a manner that provides a mix of residential and nonresidential uses. Properties in this category are generally more remote from the Central Business District, but offer larger sites for a flexible range of compatible nonresidential uses.*
- B. *Establish and preserve open space corridors along Fishkill Creek and the Hudson River, and seek open space linkages to the large areas of open space in the Hudson Highlands on the slopes of Mount Beacon.*
- C. *Continue to develop greenways along the Hudson River and Fishkill Creek for public recreation, and provide linkages to trails towards the Hudson Highlands and the slopes of Mount Beacon. Improve boat access to Fishkill Creek and the Hudson River. Determine the future use of the railroad tracks along Fishkill Creek for vehicles capable of utilizing the tracks or for a bicycle and pedestrian path, and implement the decision.*

The project is consistent with the purposes of the FCD District, as it represents redevelopment of an abandoned industrial site, provides a mix of uses, preserves a buffer along the Fishkill Creek, and provides a Greenway Trail for public use which can connect to future trails along the creek on adjacent properties. The trail extends a distance of approximately 1,830 linear feet with an additional 470 linear feet within two spurs, representing a significant addition to the City’s proposed Fishkill Creek Greenway & Heritage Trail (FCG&HT) Master Plan fulfillment. This trail will connect to Wolcott Avenue by means of the emergency access to Wolcott Avenue, and to the Sisters property to the south. Public access to the trail is also provided from Tioronda Avenue.

According to Section 223-41.13.D, each FCD proposal requires SEQR and concept plan approval by the Beacon City Council and site plan approval by the Beacon Planning Board. These reviews may proceed



simultaneously. The Zoning Law Section 223-41.13.B specifically permits “*attached apartment and multifamily dwellings*” and “*professional and business offices in buildings that face streets*” in the FCD district. Section 223-41.14 provides the bulk requirements for the FCD District. The proposed density of 64 dwelling units is permitted by zoning, without the use of available incentives that would increase the maximum density. A zoning compliance table is provided on Sheet T1 of the site plan set, and density calculations are provided on Sheet EC1. The maximum residential development density in the FCD district per Section 223-41.14B is 11 dwelling units per acre of lot area, where lot area on all development proposals involving more than three acres is calculated by deducting any lot area with existing, pre-development very steep slopes (25% or more extending over a contiguous land area of at least 10,000 as defined in Section 223- 63), covered by surface water, within a federal regulatory floodway, or within a state or federally regulated wetland. Additionally, a minimum of 25 percent of the total development's floor area shall be permitted nonresidential uses other than dwelling units or artist live/work spaces, which must be built out before or concurrently with the residential development of the site. Less nonresidential square footage may be granted by the City Council for the voluntary and guaranteed inclusion in the project of desirable environmental, transportation, or other substantial public benefits which would not otherwise be required of the project, as determined at the sole discretion of the City Council as part of the concept plan approval.

Section 223-41.13(3)(b) provides a list of conditions and standards for the City Council's approval of a FCD concept plan. These standards include the preservation of open space along the Fishkill Creek and the provision of a public Greenway Trail along the creek that would connect to future trails on adjacent properties.

The project provides a buffer along the Fishkill Creek to preserve existing vegetation and significant trees, as well as viewsheds along this corridor. The setback from the Fishkill Creek as measured from the top of the creek bank varies from approximately 45 feet to 110 feet, with an average setback of 75 feet, which exceeds the minimum required setback of 25 feet and the minimum required average setback of 50 feet. The layout was designed to avoid 100-year floodplain areas, and very steep slopes are avoided to the extent practicable. Site development is fitted to the topography and soil so as to create the least potential for vegetation loss and site disturbance. The buffer along the creek will be protected by a conservation easement as required. This will supersede the existing 6-foot easement along the Fishkill Creek shown on the filed subdivision map. The approved site plan was endorsed by the City of Beacon Greenway Trail Committee. The proposed Greenway Trail has been relocated to avoid the stream and floodplain areas.

Approximately 5.95 acres of the 9.18-acre site will be disturbed for the project. During construction, protective fencing will be placed at or one foot beyond the drip line of trees that will be preserved as shown on the plan. Temporary vegetation sufficient to stabilize the soil will be provided on all disturbed areas as needed to prevent soil erosion, in accordance with the SWPPP. New planting shall be given sufficient water, fertilizer and protection to ensure establishment.

The project meets the Fishkill Creek development design standards set forth in Section 223-41.13.I, to the extent applicable at the concept plan stage. Parking requirements and information are provided in Section 6.2.

Since the project is consistent with the Zoning regulations, no significant adverse impacts will result from the project.

## 2.4 City of Beacon Local Waterfront Revitalization Plan (LWRP)

The project is consistent with the Beacon LWRP. Policy #25 of the LWRP adopted March 7, 2011, lists 13 viewsheds that should be protected which contribute to the scenic quality of the coastal area. None of the views extends over the subject development site, or over any nearby site in the Fishkill Creek Corridor. The project is consistent with the applicable LWRP recommendations for development in scenic viewsheds, including setback from the Fishkill Creek shoreline to preserve the privacy and some grade-separation of the pedestrian trail along the Creek. Section 12.0, Community Character, provides a description of the proposed architecture and preliminary information regarding visual impacts.

Since the project is consistent with the LWRP, no significant adverse impacts are anticipated. A Coastal Consistency determination will be required.

## 3.0 COMMUNITY SERVICES

### 3.1 Police and Fire Protection Services

Police protection is provided by the City of Beacon Police Department. The project site is within the City of Beacon Fire District, which has three fire stations located at 425 Main Street, 57 East Main Street, and 13 South Avenue. Buildings will be sprinklered, and the proposed site plan includes a gated access drive from Wolcott Avenue for emergency access only, since the main access crosses an MTA railroad line. A truck maneuvering plan is included as Sheet C200. The Police Department and Fire Department will have the opportunity to review and provide further comments on the project during the site plan review process. Therefore, the project is not expected to result in any adverse impacts in regard to police, fire, or emergency services.

### 3.2 School District

The project is located in the Beacon City School District. According to the NY State Education Department website, the 2017-2018 enrollment in the district was 2,812 students, with an additional 270 students who live in the district but attend private schools. Table 3-1 provides estimates for public school children expected to be generated by the project, based on Rutgers University Center for Urban Policy Research, Residential Demographic Multipliers, Estimates of the Occupants of New Housing, June 2006.

**Table 3-1: Anticipated Public School Children Generated by the Project**

Unit Type	Multiplier for 5+ Units – Rent for Total Public School Children	# Public School Children
One-bedroom market rate units (25)	0.07 per dwelling unit	1.75
One-bedroom workforce units (3)	0.27 per dwelling unit	0.81
Two-bedroom market rate units (32)	0.16 per dwelling unit	5.12
Two-bedroom workforce units (4)	0.45 per dwelling unit	1.80
Total:		9.48

Based on these estimates, the project will generate approximately 9 public school children, which represents only a 0.3% increase in students at the Beacon City School District schools. It is anticipated

that the school district has capacity to handle this increase. Additionally, some of these school children may be moving into the apartments from another location within the district, and are already enrolled in the district's public schools.

## 4.0 SOILS, TOPOGRAPHY, AND WATER RESOURCES

### 4.1 Soils and Topography

Figure 5 shows the soil types that are expected to be present on the project site, and Table 4-1 provides characteristics of these soil types, according to Dutchess County Soil Survey information available in GIS and the Natural Resource Conservation Service website.

**Table 4-1: Characteristics of Soil Types within Project Site**

SOIL SYMBOL	SOIL TYPE	SLOPES	DRAINAGE	DEPTH TO WATER TABLE (FT)	DEPTH TO BEDROCK (INCHES)
Ud	Udorthents, smoothed	mostly 0 to 8% but 8 to 25% on sides of excavations and along highways	somewhat excessively to moderately well	>3.0 Nov-Jun	>60
W	Water	NA	NA	0	NA

Figure 5 shows slopes on the site, which vary from 0% to greater than 20%. Areas of “very steep slopes”, which are defined in Section 223-63 of the zoning regulations as “an area of land with a gradient of 25% or more extending over a contiguous land area of at least 10,000 square feet”, are shown on Sheet C100. Very steep slopes are avoided to the extent practicable. The following addresses the criteria listed in Section 223-16.B of the zoning regulations to be considered by the Planning Board in allowing development in areas of very steep slopes.

- (1) The proposed development is located in the area of previous development, which is in the most suitable area of the site, consistent with criteria B(1). The Creekside slopes are mostly undisturbed, with the exception of small areas of disturbance necessary for the Greenway Trail. Additionally, the majority of disturbance to very steep slopes occurs in areas where the slopes appear to be manmade by the previous development and Metro North, consistent with the Udorthents, smoothed soil type.
- (2) The activity proposed is the minimum necessary to make reasonable use of the land, consistent with criteria B(2).
- (3) All feasible construction standards and precautions will be outlined in the SWPPP and Erosion & Sediment Control plans and reviewed by the Planning Board during site plan approval, consistent with criteria B(3).
- (4) The purpose of Section 223-16.B is satisfied to the maximum degree feasible, consistent with criteria B(4).

Therefore, the project is not expected to result in any significant adverse impacts related to soils or topography.

## 4.2 Water Resources

According to the NYSDEC Environmental Resource Map (Figure 7), the site does not contain nor is contiguous to a State regulated wetland or associated adjacent area. According to Figure 7, the project site is contiguous to the Fishkill Creek, a NYSDEC stream identified as H-95, a tributary of the Hudson River (NYCRR Title 6 Chapter X Subchapter B Section 862.6 Table 1 Item 237). This stream is classified as a Class C stream in the vicinity of the project site; therefore, it is not regulated by NYSDEC as a protected water. The site was investigated by a Chazen wetland biologist on November 6, 2018, and a Wetland Investigation Memo dated January 30, 2019, was prepared and submitted to the US Army Corps of Engineers (USACOE) for review and determination. The Fishkill Creek flows directly into the Hudson River, a traditionally navigable water, approximately 800 feet to the southwest. The USACOE regulates wetlands and waters with a significant nexus under Section 404 of the Clean Water Act, and specifically regulates the discharge of dredged or fill material into such waters. The USACOE does not regulate a buffer around these aquatic resources. Since this stream flows directly into the Hudson River, a Traditionally Navigable Water, in close proximity to the site, significant nexus is presumed. Since there are no wetlands within the area of disturbance for the proposed project, the project will not result in any wetland impacts or disturbance. If necessary, the Greenway Trail location will be adjusted to avoid any wetland impacts. Therefore, no significant adverse impacts to water resources are anticipated as a result of the project.

## 4.3 Floodplain

According to the National Flood Insurance Program Flood Insurance Rate Map (FIRM), City of Beacon, New York, Community Panel 360217, a portion of the project site along the Fishkill Creek is located within Flood Zone AE, which is described as an area of the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual (100-year) chance flood can be carried without substantial increases in flood heights. No building construction is proposed within Zone AE.

## 5.0 UTILITIES

### 5.1 Water and Wastewater

The project will be served by City of Beacon municipal water and sewer service. A 12" water main and 8" sewer main are located along Tioronda Avenue. Sewage generated from both residential and non-residential buildings will be conveyed via gravity flow to an onsite sewage pump station, where it will be pumped via force main and tapped in to the existing 2-inch fiberglass pipe which extends under the railroad property and ties into the City sewer system.

According to the NYSDEC Design Standards for Intermediate-Sized Wastewater Treatment Systems, March 2014, an apartment is expected to result in 110 gallons per day (gpd) per bedroom water usage and wastewater generation, which incorporates a reduction for the use of water saving plumbing fixtures. An office building is expected to result in 15 gpd per employee, with an additional 20% reduction for the use of water saving plumbing fixtures. Thus, the project with 100 bedrooms would be expected to result in 11,000± gallons per day water usage and wastewater generation. The Urban Land Institute *Employment and Parking in Suburban Business Parks: A Pilot Study*, 1986, Table 14, estimates a mean employment density of 347 SF per employee, which results in an estimated 73 employees for the 25,400 SF office building. Thus, the office building would be expected to result in 876 gpd, after applying the 20%

reduction. Therefore, the total estimated water usage and wastewater generation for the project is estimated to be 11,876 gpd. Detailed plans and specifications will be submitted to the DCDOH for approval of the proposed water and sewer infrastructure as part of the site plan review.

The previously approved project with 100 two-bedroom units was expected to result in 22,800± gallons per day water usage and wastewater generation (FEAF dated March 24, 2014). Thus, the proposed project represents a reduction in estimated water usage and wastewater generation of 10,924 gpd as compared to the approved site plan.

## 5.2 Stormwater

The project will result in a disturbance area of 5.95 acres of the 9.18-acre site, but virtually all of the disturbance is within the area already disturbed by the factory buildings, parking areas, and other areas associated with the industrial development. The project will increase the impervious area by 0.48 acres. As a redevelopment project with an increase in overall impervious area, treatment of stormwater will be provided for 100% of the additional new impervious area and 25% of the existing disturbed impervious area. The project proposes to use a combination of standard stormwater management practices and alternative practices. The site will continue to discharge stormwater runoff to the Fishkill Creek. A downstream analysis was performed for the previous project. Pre- and post-development surface runoff rates will be evaluated for the 1-, 10-, and 100-year 24-hour storm events. Comparison of pre- and post-development watershed conditions at the design point in the Fishkill Creek will demonstrate that the project will not have a significant adverse impact on the adjacent or downstream properties or receiving water courses. Therefore, extended detention of stormwater will not be required for the proposed redevelopment project. An Erosion and Sediment Control Plan will be provided and shall be employed during the construction phase to protect off-site waters from the adverse effects of sedimentation and erosion. Therefore, the project is not expected to result in any adverse impacts in regard to stormwater.

## 6.0 TRAFFIC AND PARKING

### 6.1 Traffic

Access to the project site is provided from Tioronda Avenue over an at grade crossing easement granted by the MTA. This access was used for many years when the Tuck Industries manufacturing facility was in operation. The grade crossing provides access both to the project site and to the adjoining Sisters property, avoiding multiple accesses onto Tioronda Avenue. The Filed Subdivision Map (FM #10970 filed February 20, 2000) provides for a shared access. The Applicant will offer emergency access to other owners of the FCD properties subject to contribution of a fair share of the costs of building the emergency access. The 555 South Avenue property has its own entrance, at a point approximately 2,400 feet south of the entrance to Beacon 248.

The general interior configuration of the project road system is shown on the plans. The road system provides for circulation by means of a left turn inside the site to reach the proposed buildings, and a right turn inside the site to reach Sisters property.

The project will generate new traffic in the vicinity of the project site, since the site is currently vacant. All traffic will be oriented to travel to and from the site via the intersection of Tioronda Avenue with Wolcott

Avenue/Route 9D. The present access design is to prohibit arrivals to the site from the south, and prohibit left turns out of the site to travel south on Tioronda Avenue. This traffic routing meets the needs of travelers, since Wolcott Avenue provides the best routing in either direction to I-84, the train station, and Route 9D going either north or south. It also protects the neighborhoods to the south and west of the site from additional traffic through local neighborhoods. The limitation on turning movements does not create any traffic difficulties for the residents of the project or for the local community.

The Institute of Transportation Engineers (ITE) Trip Generation Manual, 10<sup>th</sup> Edition, 2017, provides trip generation rates by land use categories, using different variables. Table 6-1 provides estimates for traffic generation for the two proposed uses on the site for the weekday a.m. peak hour of adjacent street traffic and the weekday p.m. peak hour of adjacent street traffic.

**Table 6-1: Traffic Generation**

LAND USE	Land Use Code	AM Peak		PM Peak	
		Rate	vte's	Rate	vte's
Multifamily Housing (Mid-Rise) (64 dwelling units)	221	0.36 vte's per dwelling unit	23	0.44 vte's per dwelling unit	28
General Office Building (25,400 SF)	710	1.16 vte's per 1,000 SF GFA	29	1.15 vte's per 1,000 SF GFA	29
Total			52		57
vte = vehicle trip end					

Thus, the project with 64 dwelling units and 25,400 SF of office space is expected to generate 52 vte's during the weekday a.m. peak hour of adjacent street traffic and 57 vte's during the weekday p.m. peak hour of adjacent street traffic. These rates do not exceed the SEQR threshold of 100 vte's. Consideration of traffic generated by the previous occupancy of the site would further reduce the impacts of the proposed project on traffic conditions at the site.

The previously approved project with 100 dwelling units was expected to generate slightly more traffic, with 53 vte's during the weekday a.m. peak hour of adjacent street traffic and 73 vte's during the weekday p.m. peak hour of adjacent street traffic. Since the estimated traffic generation for the current project is expected to be less than that of the approved project, no significant adverse impacts to traffic are anticipated.

A Traffic Impact Study dated November 13, 2013, was prepared, and was supplemented by another study dated March 20, 2014. The March 2014 Supplemental study evaluated the traffic movements considering also the traffic to be generated by potential development of the Sisters property and the Beacon Terminals 555 South Avenue property, both of which are also within the FCD district. The March 2014 study concludes that even with the development of the FCD parcels to the south, all intersections studied will continue to operate at a Level of Service (LOS) of "A" (excellent) with the exception of the Wolcott Avenue/Tioronda Avenue intersection, where the Wolcott Avenue approaches will operate at LOS "B" (good) and the Tioronda Avenue approaches will operate at LOS "A" (excellent). The 2015 buildout analysis for the intersection of Wolcott Avenue and Tioronda Avenue showed LOS "B" for AM and PM build conditions using Synchro Version 8. Re-creating the 2015 analysis using Synchro Version 10 shows a LOS "A" for AM and PM using Synchro version 10. A change in the LOS at this intersection from "A" to



“B” for the AM peak would require the addition of 300 vehicles eastbound and westbound on Wolcott Avenue, and 50 vehicles southbound on Tioronda Avenue (with no change in northbound vehicles). Delay in this case would be increased by approximately 3 seconds. A change in the LOS from “A” to “B” for the PM peak would require 200 vehicles eastbound and westbound on Wolcott Avenue, and 50 vehicles southbound on Tioronda Avenue, resulting in an increase in delay of approximately 3 seconds. Based on land use trip generation numbers at the am and pm rates for multifamily and general office, the capacity of the intersection could support an additional 833 multifamily units during the am peak and 681 units on the pm peak OR an additional 258,000 SF of general office at the AM peak and 260,000 SF at the PM peak, and still maintain a LOS of “B”. In conclusion, Wolcott Avenue and Tioronda Avenue can support significantly more traffic and still operate with a very good level of service. An updated Synchro analysis was performed by a Chazen transportation engineer which generates the same conclusion (Attachment A).

Additionally, a significant portion of the former manufacturing facility traffic consisted of truck traffic. Truck traffic generated by the proposed office use will be minimal.

A site distance evaluation was completed in the 2013 Traffic Impact Study which examined the two access drive locations. The evaluation determined that sight distance is excellent for vehicles making either a left or right turn into the driveway from Wolcott Avenue.

The existing driveway on Tioronda Avenue is situated on a north-north-west skew to Tioronda Avenue. Existing vegetation between the driveway and Tioronda Avenue obscures vision. With the removal of this vegetation, sight distance along Tioronda Avenue will be in accordance with American Association of State Highway and Transportation Officials (AASHTO) standards for the operating speed on Tioronda Avenue at or adjacent to the exit driveway/Knevels Avenue. Speed data collected during the 24-hour counts indicated that the 85% speed was between 35 and 39 mph, depending on the direction and the day the data was recorded. AASHTO sight distance design criteria for 40-mph operating speed is 445 feet for a left turn out onto Tioronda Avenue, and 385 feet for a right turn out onto Tioronda Avenue. AASHTO sight distance for a left turn into the site driveway is 325 feet and the stopping sight distance is 305 feet. Once the existing vegetation is removed, all sight distances will meet or exceed AASHTO criteria applicable to this location.

Temporary traffic generated during demolition and construction activities includes construction employees and the delivery of equipment and materials. The project is not expected to result in any adverse impacts in regard to temporary traffic during construction.

## 6.2 Parking

Parking is provided in a surface lot located between the proposed office building and residential buildings, and within a parking garage located below grade that extends under and between the two residential buildings. According to the City of Beacon Zoning Code Section 223-26.F, a multifamily residential use requires 1 space for each dwelling unit plus 1/4 space for each bedroom, and a professional office use requires 1 space for each 200 square feet of gross floor area, excluding utility areas. Therefore, the 64-unit residential development with 28 one-bedroom units and 36 two-bedroom units (100 bedrooms total) requires 89 parking spaces and the 25,400 SF office building requires 127 parking spaces, for a total required parking of 216 spaces. This requirement is both a maximum and minimum for an FCD project.

The proposed site plan provides 89 parking spaces for the residential portion (15 surface lot spaces and 74 garage spaces). The proposed site plan provides the required spaces for the office use, with a portion of the required spaces being land banked spaces which would be reserved for future use if needed.

Per Section 223-26.H(b), a minimum of 1 loading space for the first 20,000 square feet of GFA, is required plus one space for each additional 40,000 square feet of GFA or major portion thereof. Therefore, the project with 25,400 SF of office space is expected to require 1 loading space, which is shown on the site plan.

## **7.0 NOISE AND LIGHTING**

### **7.1 Noise**

The project is not expected to result in an increase in noise levels above local ambient noise levels after completion of construction.

The proposed construction activities may result in temporary noise that exceeds local ambient noise levels. These activities will be limited to the hours of 7:00 AM to 7:00 PM Monday through Saturday, and all motorized equipment used in construction activity shall be operated with a muffler, in compliance with the City of Beacon Code Chapter 149, Noise, Section 149-6.F. Therefore, the project is not expected to result in any adverse impacts with regard to noise.

### **7.2 Lighting**

All exterior lighting will be downward directed, and will be of such type and location and will have such shading to prevent the source of light from being seen from any adjacent residential property or from the street in accordance with Section 223-14.B of the zoning regulations. Lighting will consist of decorative full cut-off lighting with International Dark-Sky Association-approved "dark sky friendly" performance. The average level within the parking lots, access, and sidewalks will be sufficient to promote safety and encourage pedestrian use. Lighting photometrics and details will be provided during the site plan review process. Light pole locations are shown on Sheet C130 of the site plan set.

## **8.0 SOLID WASTE**

FEAF Question D.2.r requests information on solid waste generation for commercial or industrial projects only (not for residential uses). According to the Development Impact Assessment Handbook, Urban Land Institute, 1994, an office use is expected to generate 0.001 tons per employee per day. Thus, the proposed office building with an estimated 73 employees is expected to generate 0.073 tons of solid waste per day or 2 tons per month. Solid waste will be picked up regularly by a licensed solid waste hauler for disposal at the Dutchess County Resource Recovery Agency facility in Poughkeepsie. Recyclable materials will be separated onsite and carted to this facility for recycling.

## 9.0 CONTAMINATION HISTORY

The project site was listed in the NYSDEC's Environmental Remediation Database as Site Code 314044, formerly owned by Tuck Industries and operated as a tape manufacturing facility. The listing was the result of leaking drums and storage tanks that contained solvents and solvent recovery system waste (primarily heptanes and toluene), which resulted in soil contamination. The NYSDEC website indicates that the has been remediated and assigned a classification of C, which means that the NYSDEC has determined that remediation has been satisfactorily completed under a remedial program. The site has been delisted from the NYS Registry of Inactive Hazardous Waste Disposal Sites per NYSDEC correspondence dated October 11, 2002.

## 10.0 ENDANGERED, THREATENED AND RARE SPECIES AND SIGNIFICANT HABITAT

The NYSDEC Environmental Resource Map shows the southern portion of the site within an area with a known occurrence of a rare animal (Figure 7). Correspondence from the NYSDEC New York Natural Heritage Program dated July 24, 2013, identified the site as being near a waterfowl winter concentration area and an anadromous fish concentration area, and also indicated the presence of non-breeding Bald Eagle. By email dated August 8, 2013, the NYSDEC indicated that the non-breeding occurrence was associated with wintering eagles and known roosting location, and that this roosting location was at the mouth of Fishkill Creek at the Hudson River at Denning's Point, approximately 0.77 miles from the project site. However, correspondence from NYSDEC dated November 7, 2018, (Attachment B) in response to a request for updated information indicates that there are currently no records of rare or state-listed animals or plants, or significant natural communities, at the project site. The NYSDEC letter continues to note the presence of anadromous fish, several state-listed animals and plants, and significant natural communities at the mouth of the Fishkill Creek, but no longer indicates the occurrence of the Bald Eagle in the vicinity of the project site. The NYSDEC recommends that the project work be conducted so as to avoid significant impacts to the water quality of Fishkill Creek, including erosion and run-off of sediments, nutrients, and pollutants. The project does not propose any marina or boating activities, and the project will retain much of the wooded vegetation along Fishkill Creek. The activities proposed on the site are less disruptive than previous on-site activities associated with the former manufacturing facility and the Metro-North railroad. As discussed in Section 5.2, an Erosion and Sediment Control Plan will be provided and shall be employed during the construction phase to protect off-site waters from the adverse effects of sedimentation and erosion.

The US Fish & Wildlife Service (USFWS) Official Species List (included in Attachment B) indicates the potential for the Indiana Bat, Northern Long Eared Bat, and Dwarf Wedgemussel in the vicinity of the project site. The USFWS List indicates that there are no critical habitats within the project area under USFWS jurisdiction. While the NYSDEC indicated that the closest occurrence of Indiana Bat is more than 2.5 miles away, the USFWS requested that the project limit tree clearing to October 1 to March 31, minimize removal of large trees, use cut-off lighting, and not use pesticides or herbicides in any stormwater basins. The updated Wetland Investigation Memo dated January 30, 2019, indicates that timing of tree removal between November 1<sup>st</sup> and March 31<sup>st</sup> would be adequate to avoid impacts to the bat species, since tree removal is less than 10 acres.

According to the Wetland Investigation Memo, the only known locations for Dwarf Wedgemussels in New York are in Delaware/Sullivan County, Orange County, and a small population in Dutchess County. The NYNHP probable associated ecological community is deepwater river, which is the aquatic community of very large, very deep quiet, base level sections of streams with a very low gradient. In places the water is deep enough so that light cannot reach the bottom. The Fishkill Creek represents potential habitat above the dam, although there is no state record of this species at this location. Given that the stream will not be impacted, the project would result in a determination of “No Take” under Section 10 or a determination of “No Effect” under Section 7 of the Federal Endangered Species Act.

Consultation with NYSDEC and USFWS will be completed as required. Therefore, no significant adverse impacts to endangered, threatened or rare species are anticipated as a result of the project.

## 11.0 HISTORIC AND ARCHEOLOGICAL RESOURCES

According to the New York State Office of Parks, Recreation and Historic Preservation (NYSOPRHP) Cultural Resource Information System (CRIS) mapping (Figure 8), the project site is not substantially contiguous to nor does it contain a building site, or district, listed on the National or State Register of Historic Places. The CRIS mapping indicates that the Wolcott Avenue bridge over the Fishkill Creek (aka Cooperation Bridge) was determined to be eligible for listing on the Register (evaluated under NYSOPRHP Project Number 93PR0331, USN 02741.000362). The mapping also shows the project site as being located within a known archaeologically sensitive area.

A Phase 1A Archeological Investigation dated July 2013 was conducted by Hartgen Archaeological Associates, Inc. The report concluded that as a result of the impacts related to the continuous industrial development of the property combined with the impacts surrounding the removal the buildings associated with the New York Rubber Company facility, it is likely no significant cultural deposits, specific to the early to mid-19th century development of the property remain. The Phase 1A report was submitted to NYSOPRHP for review, under the previously approved project. Correspondence from NYSOPRHP dated September 27, 2013, requested additional project information due to the project’s location adjacent to a National Register-Eligible district to the east. The Applicant then submitted the additional requested information, and in correspondence dated December 23, 2013, NYSOPRHP concluded that the massing of the buildings as proposed at that time was appropriate for the site, and determined that the approved project would have No Adverse Impact upon cultural resources in or eligible for inclusion in the State and National Register of Historic Places. Information and plans for the currently proposed project have been uploaded to NYSOPRHP CRIS for review and determination. Since the project is similar to the approved project in regard to disturbance area and architecture, it is anticipated that NYSOPRHP’s determination will remain the same, and no impacts to cultural resources will occur.

## 12.0 COMMUNITY CHARACTER

The project involves the redevelopment of a deteriorated former industrial site. The project will aesthetically improve the site with new landscaping, decorative lighting, and architecturally pleasing new buildings, as well as providing a public Greenway Trail along the Fishkill Creek. The properties north of the project site are vacant residential land and the City of Beacon highway garage. The project site is separated from Tioronda Avenue by a railroad bed owned by MTA, and across Tioronda Avenue are single family residences and a public school. Adjacent to the project site to the south is a vacant industrial property,

also located in the FCD district. Uses across the Fishkill Creek from the project site include single family residences, a two-family residence, vacant residential land owned by the City of Beacon, and an animal rescue facility. The proposed residential and office uses will blend in with the other uses in the area and will be consistent with future development of the FCD property to the north and south.

Architectural elevations have been provided. The architecture and building materials depicted on the exterior elevations of the buildings are quality examples of urban architecture typical of older City of Beacon structures. The buildings are designed to present a subtly varied, yet ordered and cohesive appearance in terms of architectural style. Architecturally pleasing from all sides, they will be consistent with older industrial buildings in the city, but with more residential proportions. Scales, forms and materials used are appropriate to ensure that buildings and other structures are compatible with and add interest to the landscape. The elevations are clad predominately in brick. Third story and cellar level elevations are set back to mitigate the perceived height of the buildings on all sides. The setbacks are clad in black metal panels which complement the brick cladding well. Windows, doors and trim will be black powder coated aluminum. Painted black steel balconies will be provided for a number of units. Proposed retaining walls on the site will be poured in place concrete with fieldstone veneer. Proposed retaining walls will be segmental concrete block walls in earthtone colors. The proposed refuse container will be screened from view by a cedar fence, and will comply with the City's requirements in Section 223-14.C.

Cross sectional views were submitted which show that the properties to the west are much higher in elevation than the project property, and the site drops off to a lower elevation east of the tracks. Since the project site is much lower than much of the surrounding area, only the higher portions of the proposed buildings are expected to be visible. Photo simulations have been prepared which depict the three proposed buildings as seen from eye level vantage points along Tioronda Avenue. These vantage points are shown on the "Vantage Point Location Plan". Starting at the northwest corner of proposed residential Building 300, the vantage points advance southwards, ending at the west side of the proposed commercial building at the south of the property.

The City's Local Waterfront Revitalization Plan designates 13 local viewsheds under Policy 25A that are designated for protection. The applicant's development site is not within any of the designated viewsheds. The proposed development area is not located in a designated LWRP viewshed; however, the project design is consistent with the applicable LWRP recommendations for developing in scenic view sheds.

The proposed layout maintains the original land form, as it utilizes the existing disturbed area from the former heavy industrial development, while the area at the top of the bank of the creek is preserved. The natural grade changes across the site (west to east), serve to screen the parking and lower the height of the buildings as viewed from Tioronda Avenue and from residential properties across Tioronda Avenue.

The access road to Wolcott Avenue does not present adverse visual impacts. The new wall required for the access to Wolcott Avenue is substantially lower than the existing wall associated with Tioronda Avenue itself. The new wall serves to hide some of the graffiti on the Tioronda wall. The applicant intends to design plantings to soften views of the new wall (to be refined during site plan review by the Planning Board).

The Greenway Trail will connect to the property to the South. An official "Greenway Trail" on the property to the south does not currently exist; however, there is a 6-foot trail easement along the property boundary with the Fishkill Creek, which was designated at the time the property was subdivided. At the north end of the project site, the Trail connects to Wolcott Avenue. The Greenway Trail will be constructed to the guidelines of the City's FCG&HT Master Plan. The provision of the trail easement is a major benefit to the City of this project. The trail width is 8 feet, with an easement width of 20 feet. Presently, the City has only a 6-foot wide easement at the property edge, pursuant to the filed subdivision map. The project site contains a very attractive section of waterfront, including views of a waterfall. Extensive existing natural vegetation between the project and the creek will help screen the buildings from views across the creek.

The project will enhance the site, thus improving the value and development capability of nearby properties.



# FULL ENVIRONMENTAL ASSESSMENT FORM (FEAF) PART 1 FORM

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**Full Environmental Assessment Form**  
**Part 1 - Project and Setting**

## Instructions for Completing Part 1

**Part 1 is to be completed by the applicant or project sponsor.** Responses become part of the application for approval or funding, are subject to public review, and may be subject to further verification.

Complete Part 1 based on information currently available. If additional research or investigation would be needed to fully respond to any item, please answer as thoroughly as possible based on current information; indicate whether missing information does not exist, or is not reasonably available to the sponsor; and, when possible, generally describe work or studies which would be necessary to update or fully develop that information.

Applicants/sponsors must complete all items in Sections A & B. In Sections C, D & E, most items contain an initial question that must be answered either “Yes” or “No”. If the answer to the initial question is “Yes”, complete the sub-questions that follow. If the answer to the initial question is “No”, proceed to the next question. Section F allows the project sponsor to identify and attach any additional information. Section G requires the name and signature of the project sponsor to verify that the information contained in Part 1 is accurate and complete.

### A. Project and Sponsor Information.

Name of Action or Project: Proposed Multifamily Development and Office Building		
Project Location (describe, and attach a general location map): <span style="color: blue;">Refer to Figures 1 and 2.</span> 248 Tioronda Avenue (along Fishkill Creek), City of Beacon, Dutchess County, NY; Tax Parcels 5954-16-993482 & 6054-45-012574		
Brief Description of Proposed Action (include purpose or need):  The Applicant proposes the redevelopment of the northern portion of the former Tuck Industries manufacturing site with a 64-unit multifamily residential development and a 25,400 square foot (SF) office building, with associated parking. A Greenway Trail for public use is proposed along the Fishkill Creek. The 9.18-acre project site consists of two tax parcels identified as parcels 5954-16-993482 and 6054-45-012574 on the City of Beacon tax map. Access to the development is provided from Tioronda Avenue across the Metropolitan Transit Authority (MTA) property via easement. A second gated access for emergency and pedestrian use only is provided from Wolcott Avenue (NYS Route 9D). The proposed development is contained almost entirely within the former Tuck Industries development area. Please refer to site plan.		
Name of Applicant/Sponsor: 248 Beacon Holdings LLC (Bernard Kohn)		Telephone: 917-696-4402
		E-Mail: berry@chaibuilders.com
Address: 120 Route 59 Suite 201		
City/PO: Suffern	State: NY	Zip Code: 10901
Project Contact (if not same as sponsor; give name and title/role): Same as Applicant		Telephone:
		E-Mail:
Address:		
City/PO:	State:	Zip Code:
Property Owner (if not same as sponsor): Beacon 248 Development, LLC		Telephone:
		E-Mail:
Address: 104 Rochelle Avenue		
City/PO: Rochelle Park	State: NJ	Zip Code: 07662

## B. Government Approvals

**B. Government Approvals, Funding, or Sponsorship.** (“Funding” includes grants, loans, tax relief, and any other forms of financial assistance.)

Government Entity	If Yes: Identify Agency and Approval(s) Required	Application Date (Actual or projected)
a. City Council, Town Board, <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No or Village Board of Trustees	FCD Concept Plan Approval	Sep 2018
b. City, Town or Village Planning Board or Commission <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Site Plan Approval; lot consolidation	Sep 2018
c. City Council, Town or Village Zoning Board of Appeals <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
d. Other local agencies <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
e. County agencies <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	DCDOH for water/sewer; DC Planning 239m referral	To be determined
f. Regional agencies <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
g. State agencies <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	NYSDEC GP-0-15-002	To be determined
h. Federal agencies <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
i. Coastal Resources. i. Is the project site within a Coastal Area, or the waterfront area of a Designated Inland Waterway? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <a href="#">Refer to FEAF Narrative Section 2.3.</a> ii. Is the project site located in a community with an approved Local Waterfront Revitalization Program? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No iii. Is the project site within a Coastal Erosion Hazard Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		

## C. Planning and Zoning

### C.1. Planning and zoning actions.

Will administrative or legislative adoption, or amendment of a plan, local law, ordinance, rule or regulation be the only approval(s) which must be granted to enable the proposed action to proceed? ☐ Yes ☒ No

- If Yes, complete sections C, F and G.
- If No, proceed to question C.2 and complete all remaining sections and questions in Part 1

### C.2. Adopted land use plans.

a. Do any municipally- adopted (city, town, village or county) comprehensive land use plan(s) include the site where the proposed action would be located? ☒ Yes ☐ No  
[Refer to FEAF Narrative Section 2.2.](#)

If Yes, does the comprehensive plan include specific recommendations for the site where the proposed action would be located? ☒ Yes ☐ No

b. Is the site of the proposed action within any local or regional special planning district (for example: Greenway Brownfield Opportunity Area (BOA); designated State or Federal heritage area; watershed management plan; or other?) ☒ Yes ☐ No

If Yes, identify the plan(s):

Remediation Sites:314044 , Remediation Sites:546031 [\(Refer to response to Question E.1.h.iv\)](#)

c. Is the proposed action located wholly or partially within an area listed in an adopted municipal open space plan, or an adopted municipal farmland protection plan? ☐ Yes ☒ No

If Yes, identify the plan(s):

<b>C.3. Zoning</b>	
a. Is the site of the proposed action located in a municipality with an adopted zoning law or ordinance. If Yes, what is the zoning classification(s) including any applicable overlay district? Fishkill Creek Development (FCD) District; refer to FEAF Narrative Section 2.3.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
b. Is the use permitted or allowed by a special or conditional use permit?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
c. Is a zoning change requested as part of the proposed action? If Yes,	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
i. What is the proposed new zoning for the site? _____	
<b>C.4. Existing community services.</b>	
a. In what school district is the project site located? Beacon City School District	
b. What police or other public protection forces serve the project site? City of Beacon Police Department with support from Dutchess County Sheriff's Department and NYS Police	
c. Which fire protection and emergency medical services serve the project site? City of Beacon Fire District	
d. What parks serve the project site? Hudson Highlands State Park, Memorial Park, South Avenue Park	

## D. Project Details

<b>D.1. Proposed and Potential Development</b>	
a. What is the general nature of the proposed action (e.g., residential, industrial, commercial, recreational; if mixed, include all components)? residential and commercial (office)	
b. a. Total acreage of the site of the proposed action?	9.18 acres
b. Total acreage to be physically disturbed?	5.95 acres
c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor?	9.18 acres
c. Is the proposed action an expansion of an existing project or use? <span style="float: right;"><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</span>	
i. If Yes, what is the approximate percentage of the proposed expansion and identify the units (e.g., acres, miles, housing units, square feet)?    % _____ Units: _____	
d. Is the proposed action a subdivision, or does it include a subdivision? <span style="float: right;"><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</span>	
If Yes, <span style="float: right;">(lot consolidation)</span>	
i. Purpose or type of subdivision? (e.g., residential, industrial, commercial; if mixed, specify types)	
ii. Is a cluster/conservation layout proposed? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span>	
iii. Number of lots proposed? _____	
iv. Minimum and maximum proposed lot sizes? Minimum _____ Maximum _____	
e. Will proposed action be constructed in multiple phases? <span style="float: right;"><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</span>	
i. If No, anticipated period of construction: _____ 24 months	
ii. If Yes:	
<ul style="list-style-type: none"> <li>• Total number of phases anticipated _____</li> <li>• Anticipated commencement date of phase 1 (including demolition) _____ month _____ year</li> <li>• Anticipated completion date of final phase _____ month _____ year</li> <li>• Generally describe connections or relationships among phases, including any contingencies where progress of one phase may determine timing or duration of future phases: _____</li> </ul>	

f. Does the project include new residential uses? <span style="float: right;"><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</span> If Yes, show numbers of units proposed.				
	<u>One Family</u>	<u>Two Family</u>	<u>Three Family</u>	<u>Multiple Family (four or more)</u>
Initial Phase	_____	_____	_____	64
At completion of all phases	_____	_____	_____	64

g. Does the proposed action include new non-residential construction (including expansions)? <span style="float: right;"><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</span> If Yes,	
i. Total number of structures <u>3</u> (2 residential buildings and an office building) ii. Dimensions (in feet) of largest proposed structure: <u>3</u> stories height; <u>100'</u> width; and <u>100'</u> length iii. Approximate extent of building space to be heated or cooled: <u>101,602</u> square feet	

h. Does the proposed action include construction or other activities that will result in the impoundment of any liquids, such as creation of a water supply, reservoir, pond, lake, waste lagoon or other storage? <span style="float: right;"><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</span> If Yes,	
i. Purpose of the impoundment: _____ ii. If a water impoundment, the principal source of the water: <input type="checkbox"/> Ground water <input type="checkbox"/> Surface water streams <input type="checkbox"/> Other specify: _____ iii. If other than water, identify the type of impounded/contained liquids and their source. _____ iv. Approximate size of the proposed impoundment. Volume: _____ million gallons; surface area: _____ acres v. Dimensions of the proposed dam or impounding structure: _____ height; _____ length vi. Construction method/materials for the proposed dam or impounding structure (e.g., earth fill, rock, wood, concrete): _____	

**D.2. Project Operations**

a. Does the proposed action include any excavation, mining, or dredging, during construction, operations, or both? <span style="float: right;"><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</span> (Not including general site preparation, grading or installation of utilities or foundations where all excavated materials will remain onsite) If Yes:	
i. What is the purpose of the excavation or dredging? _____ ii. How much material (including rock, earth, sediments, etc.) is proposed to be removed from the site? • Volume (specify tons or cubic yards): _____ • Over what duration of time? _____ iii. Describe nature and characteristics of materials to be excavated or dredged, and plans to use, manage or dispose of them. _____ _____ _____ iv. Will there be onsite dewatering or processing of excavated materials? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span> If yes, describe. _____ _____ _____ v. What is the total area to be dredged or excavated? _____ acres vi. What is the maximum area to be worked at any one time? _____ acres vii. What would be the maximum depth of excavation or dredging? _____ feet viii. Will the excavation require blasting? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span> ix. Summarize site reclamation goals and plan: _____ _____ _____	

b. Would the proposed action cause or result in alteration of, increase or decrease in size of, or encroachment into any existing wetland, waterbody, shoreline, beach or adjacent area? <span style="float: right;"><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</span> If Yes: <span style="color: blue;">There are no wetlands or streams within the area of disturbance. Refer to Section 4.2.</span>	
i. Identify the wetland or waterbody which would be affected (by name, water index number, wetland map number or geographic description): _____ _____	



ii. Describe how the proposed action would affect that waterbody or wetland, e.g. excavation, fill, placement of structures, or alteration of channels, banks and shorelines. Indicate extent of activities, alterations and additions in square feet or acres:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

iii. Will proposed action cause or result in disturbance to bottom sediments? ☐ Yes ☐ No  
If Yes, describe: \_\_\_\_\_

iv. Will proposed action cause or result in the destruction or removal of aquatic vegetation? ☐ Yes ☐ No  
If Yes:

- acres of aquatic vegetation proposed to be removed: \_\_\_\_\_
- expected acreage of aquatic vegetation remaining after project completion: \_\_\_\_\_
- purpose of proposed removal (e.g. beach clearing, invasive species control, boat access): \_\_\_\_\_
- proposed method of plant removal: \_\_\_\_\_
- if chemical/herbicide treatment will be used, specify product(s): \_\_\_\_\_

v. Describe any proposed reclamation/mitigation following disturbance: \_\_\_\_\_

\_\_\_\_\_

c. Will the proposed action use, or create a new demand for water? [Refer to FEAF Narrative Section 5.1.](#) ☒ Yes ☐ No  
If Yes:

i. Total anticipated water usage/demand per day: \_\_\_\_\_ 11,876 gallons/day

ii. Will the proposed action obtain water from an existing public water supply? ☒ Yes ☐ No  
If Yes:

- Name of district or service area: City of Beacon water district
- Does the existing public water supply have capacity to serve the proposal? ☒ Yes ☐ No
- Is the project site in the existing district? ☒ Yes ☐ No
- Is expansion of the district needed? ☐ Yes ☒ No
- Do existing lines serve the project site? ☒ Yes ☐ No

iii. Will line extension within an existing district be necessary to supply the project? ☐ Yes ☒ No  
If Yes:

- Describe extensions or capacity expansions proposed to serve this project: \_\_\_\_\_
- Source(s) of supply for the district: \_\_\_\_\_

iv. Is a new water supply district or service area proposed to be formed to serve the project site? ☐ Yes ☒ No  
If Yes:

- Applicant/sponsor for new district: \_\_\_\_\_
- Date application submitted or anticipated: \_\_\_\_\_
- Proposed source(s) of supply for new district: \_\_\_\_\_

v. If a public water supply will not be used, describe plans to provide water supply for the project: \_\_\_\_\_

vi. If water supply will be from wells (public or private), maximum pumping capacity: \_\_\_\_\_ gallons/minute.

d. Will the proposed action generate liquid wastes? [Refer to FEAF Narrative Section 5.1.](#) ☒ Yes ☐ No  
If Yes:

i. Total anticipated liquid waste generation per day: \_\_\_\_\_ 11,876 gallons/day

ii. Nature of liquid wastes to be generated (e.g., sanitary wastewater, industrial; if combination, describe all components and approximate volumes or proportions of each): \_\_\_\_\_  
sanitary sewage

iii. Will the proposed action use any existing public wastewater treatment facilities? ☒ Yes ☐ No  
If Yes:

- Name of wastewater treatment plant to be used: Beacon STP
- Name of district: City of Beacon
- Does the existing wastewater treatment plant have capacity to serve the project? ☒ Yes ☐ No
- Is the project site in the existing district? ☒ Yes ☐ No
- Is expansion of the district needed? ☐ Yes ☒ No

<ul style="list-style-type: none"> <li>• Do existing sewer lines serve the project site? _____</li> <li>• Will line extension within an existing district be necessary to serve the project? _____</li> </ul> <p>If Yes:</p> <ul style="list-style-type: none"> <li>• Describe extensions or capacity expansions proposed to serve this project: _____          _____          _____</li> </ul>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<p>iv. Will a new wastewater (sewage) treatment district be formed to serve the project site? _____</p> <p>If Yes:</p> <ul style="list-style-type: none"> <li>• Applicant/sponsor for new district: _____</li> <li>• Date application submitted or anticipated: _____</li> <li>• What is the receiving water for the wastewater discharge? _____</li> </ul>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<p>v. If public facilities will not be used, describe plans to provide wastewater treatment for the project, including specifying proposed receiving water (name and classification if surface discharge, or describe subsurface disposal plans):</p> <p>NA _____          _____          _____</p>	
<p>vi. Describe any plans or designs to capture, recycle or reuse liquid waste: _____</p> <p>NA _____          _____          _____</p>	
<p>e. Will the proposed action disturb more than one acre and create stormwater runoff, either from new point sources (i.e. ditches, pipes, swales, curbs, gutters or other concentrated flows of stormwater) or non-point source (i.e. sheet flow) during construction or post construction? <a href="#">Refer to FEAF Narrative Section 5.2.</a></p> <p>If Yes:</p> <p>i. How much impervious surface will the project create in relation to total size of project parcel?</p> <p>_____ Square feet or <u>2.78</u> acres (impervious surface)</p> <p>_____ Square feet or <u>9.18</u> acres (parcel size)</p> <p>ii. Describe types of new point sources. <u>To be determined</u></p> <p>iii. Where will the stormwater runoff be directed (i.e. on-site stormwater management facility/structures, adjacent properties, groundwater, on-site surface water or off-site surface waters)?</p> <p><u>Stormwater management system which will discharge to Fishkill Creek</u></p> <p>_____</p> <ul style="list-style-type: none"> <li>• If to surface waters, identify receiving water bodies or wetlands: _____          Fishkill Creek</li> <li>• Will stormwater runoff flow to adjacent properties? _____</li> </ul>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<p>iv. Does proposed plan minimize impervious surfaces, use pervious materials or collect and re-use stormwater?</p> <p>f. Does the proposed action include, or will it use on-site, one or more sources of air emissions, including fuel combustion, waste incineration, or other processes or operations?</p> <p>If Yes, identify:</p> <p>i. Mobile sources during project operations (e.g., heavy equipment, fleet or delivery vehicles)</p> <p>ii. Stationary sources during construction (e.g., power generation, structural heating, batch plant, crushers)</p> <p>iii. Stationary sources during operations (e.g., process emissions, large boilers, electric generation)</p>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<p>g. Will any air emission sources named in D.2.f (above), require a NY State Air Registration, Air Facility Permit, or Federal Clean Air Act Title IV or Title V Permit?</p> <p>If Yes:</p> <p>i. Is the project site located in an Air quality non-attainment area? (Area routinely or periodically fails to meet ambient air quality standards for all or some parts of the year)</p> <p>ii. In addition to emissions as calculated in the application, the project will generate:</p> <ul style="list-style-type: none"> <li>• _____ Tons/year (short tons) of Carbon Dioxide (CO<sub>2</sub>)</li> <li>• _____ Tons/year (short tons) of Nitrous Oxide (N<sub>2</sub>O)</li> <li>• _____ Tons/year (short tons) of Perfluorocarbons (PFCs)</li> <li>• _____ Tons/year (short tons) of Sulfur Hexafluoride (SF<sub>6</sub>)</li> <li>• _____ Tons/year (short tons) of Carbon Dioxide equivalent of Hydrofluorocarbons (HFCs)</li> <li>• _____ Tons/year (short tons) of Hazardous Air Pollutants (HAPs)</li> </ul>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No

<p>h. Will the proposed action generate or emit methane (including, but not limited to, sewage treatment plants, landfills, composting facilities)? <span style="float: right;"><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</span></p> <p>If Yes:</p> <p>i. Estimate methane generation in tons/year (metric): _____</p> <p>ii. Describe any methane capture, control or elimination measures included in project design (e.g., combustion to generate heat or electricity, flaring): _____</p>			
<p>i. Will the proposed action result in the release of air pollutants from open-air operations or processes, such as quarry or landfill operations? <span style="float: right;"><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</span></p> <p>If Yes: Describe operations and nature of emissions (e.g., diesel exhaust, rock particulates/dust): _____</p>			
<p>j. Will the proposed action result in a substantial increase in traffic above present levels or generate substantial new demand for transportation facilities or services? <span style="float: right;"><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</span> <a href="#">Refer to FEAF Narrative Section 6.1.</a></p> <p>If Yes:</p> <p>i. When is the peak traffic expected (Check all that apply): <input type="checkbox"/> Morning <input type="checkbox"/> Evening <input type="checkbox"/> Weekend  <input type="checkbox"/> Randomly between hours of _____ to _____.</p> <p>ii. For commercial activities only, projected number of semi-trailer truck trips/day: _____</p> <p>iii. Parking spaces: Existing _____ Proposed _____ Net increase/decrease _____</p> <p>iv. Does the proposed action include any shared use parking? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span></p> <p>v. If the proposed action includes any modification of existing roads, creation of new roads or change in existing access, describe: _____</p> <p>vi. Are public/private transportation service(s) or facilities available within ½ mile of the proposed site? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span></p> <p>vii. Will the proposed action include access to public transportation or accommodations for use of hybrid, electric or other alternative fueled vehicles? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span></p> <p>viii. Will the proposed action include plans for pedestrian or bicycle accommodations for connections to existing pedestrian or bicycle routes? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span></p>			
<p>k. Will the proposed action (for commercial or industrial projects only) generate new or additional demand for energy? <span style="float: right;"><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</span></p> <p>If Yes:</p> <p>i. Estimate annual electricity demand during operation of the proposed action: _____</p> <p>To be determined</p> <p>ii. Anticipated sources/suppliers of electricity for the project (e.g., on-site combustion, on-site renewable, via grid/local utility, or other):  Central Hudson Gas &amp; Electric Corp.</p> <p>iii. Will the proposed action require a new, or an upgrade to, an existing substation? <span style="float: right;"><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</span></p>			
<p>l. Hours of operation. Answer all items which apply.</p> <table style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> <p>i. During Construction:</p> <ul style="list-style-type: none"> <li>• Monday - Friday: _____ 7:00 am to 7:00 pm</li> <li>• Saturday: _____ 7:00 am to 7:00 pm</li> <li>• Sunday: _____ NA</li> <li>• Holidays: _____ NA</li> </ul> </td> <td style="width: 50%; vertical-align: top;"> <p>ii. During Operations: <span style="color: blue;">office building hours to be determined based on individual tenants</span></p> <ul style="list-style-type: none"> <li>• Monday - Friday: _____ 24 hours (residential)</li> <li>• Saturday: _____ 24 hours (residential)</li> <li>• Sunday: _____ 24 hours (residential)</li> <li>• Holidays: _____ 24 hours (residential)</li> </ul> </td> </tr> </table>		<p>i. During Construction:</p> <ul style="list-style-type: none"> <li>• Monday - Friday: _____ 7:00 am to 7:00 pm</li> <li>• Saturday: _____ 7:00 am to 7:00 pm</li> <li>• Sunday: _____ NA</li> <li>• Holidays: _____ NA</li> </ul>	<p>ii. During Operations: <span style="color: blue;">office building hours to be determined based on individual tenants</span></p> <ul style="list-style-type: none"> <li>• Monday - Friday: _____ 24 hours (residential)</li> <li>• Saturday: _____ 24 hours (residential)</li> <li>• Sunday: _____ 24 hours (residential)</li> <li>• Holidays: _____ 24 hours (residential)</li> </ul>
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<p>m. Will the proposed action produce noise that will exceed existing ambient noise levels during construction, operation, or both? <span style="float: right;"><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</span></p> <p>If yes:</p> <p>i. Provide details including sources, time of day and duration:</p> <p>Temporary noise from construction activities will be limited to the hours of 7:00 AM to 7:00 PM Monday to Saturday, and all motorized equipment used in construction will be operated with a muffler, in compliance with the City of Beacon Code Chapter 149, Noise, Section 149-6.F.</p>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<p>ii. Will proposed action remove existing natural barriers that could act as a noise barrier or screen? <span style="float: right;"><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</span></p> <p>Describe: _____</p>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<p>n.. Will the proposed action have outdoor lighting? <span style="float: right;"><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</span></p> <p>If yes:</p> <p>i. Describe source(s), location(s), height of fixture(s), direction/aim, and proximity to nearest occupied structures:</p> <p>All exterior lighting will be of such type and location and will have such shading to prevent the source of light from being seen from any adjacent residential property or from the street in accordance with Section 223-14.B of the zoning regulations.</p>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<p>ii. Will proposed action remove existing natural barriers that could act as a light barrier or screen? <span style="float: right;"><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</span></p> <p>Describe: _____</p>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<p>o. Does the proposed action have the potential to produce odors for more than one hour per day? <span style="float: right;"><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</span></p> <p>If Yes, describe possible sources, potential frequency and duration of odor emissions, and proximity to nearest occupied structures: _____</p>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<p>p. Will the proposed action include any bulk storage of petroleum (combined capacity of over 1,100 gallons) or chemical products 185 gallons in above ground storage or any amount in underground storage? <span style="float: right;"><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</span></p> <p>If Yes:</p> <p>i. Product(s) to be stored _____</p> <p>ii. Volume(s) _____ per unit time _____ (e.g., month, year)</p> <p>iii. Generally describe proposed storage facilities: _____</p>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<p>q. Will the proposed action (commercial, industrial and recreational projects only) use pesticides (i.e., herbicides, insecticides) during construction or operation? <span style="float: right;"><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</span></p> <p>If Yes:</p> <p>i. Describe proposed treatment(s): _____</p>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<p>ii. Will the proposed action use Integrated Pest Management Practices? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span></p>	<input type="checkbox"/> Yes <input type="checkbox"/> No
<p>r. Will the proposed action (commercial or industrial projects only) involve or require the management or disposal of solid waste (excluding hazardous materials)? <a href="#">Refer to FEAF Narrative Section 8.0.</a> <span style="float: right;"><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</span></p> <p>If Yes:</p> <p>i. Describe any solid waste(s) to be generated during construction or operation of the facility:</p> <ul style="list-style-type: none"> <li>• Construction: _____ NA tons per _____ NA (unit of time)</li> <li>• Operation : _____ 2 tons per _____ month (unit of time)</li> </ul> <p>ii. Describe any proposals for on-site minimization, recycling or reuse of materials to avoid disposal as solid waste:</p> <ul style="list-style-type: none"> <li>• Construction: NA _____</li> <li>• Operation: _____ Recyclable materials will be separated and hauled to the DC Resource Recovery Agency Facility in Poughkeepsie for recycling.</li> </ul> <p>iii. Proposed disposal methods/facilities for solid waste generated on-site:</p> <ul style="list-style-type: none"> <li>• Construction: NA _____</li> <li>• Operation: _____ Solid waste will be picked up regularly by a licensed solid waste hauler for disposal at the Dutchess County Resource Recovery Agency facility in Poughkeepsie.</li> </ul>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

s. Does the proposed action include construction or modification of a solid waste management facility? ☐ Yes ☒ No  
 If Yes:  
 i. Type of management or handling of waste proposed for the site (e.g., recycling or transfer station, composting, landfill, or other disposal activities): \_\_\_\_\_  
 ii. Anticipated rate of disposal/processing:  
     • \_\_\_\_\_ Tons/month, if transfer or other non-combustion/thermal treatment, or  
     • \_\_\_\_\_ Tons/hour, if combustion or thermal treatment  
 iii. If landfill, anticipated site life: \_\_\_\_\_ years

t. Will proposed action at the site involve the commercial generation, treatment, storage, or disposal of hazardous waste? ☐ Yes ☒ No  
 If Yes:  
 i. Name(s) of all hazardous wastes or constituents to be generated, handled or managed at facility: \_\_\_\_\_  
 ii. Generally describe processes or activities involving hazardous wastes or constituents: \_\_\_\_\_  
 iii. Specify amount to be handled or generated \_\_\_\_\_ tons/month  
 iv. Describe any proposals for on-site minimization, recycling or reuse of hazardous constituents: \_\_\_\_\_  
 v. Will any hazardous wastes be disposed at an existing offsite hazardous waste facility? ☐ Yes ☐ No  
 If Yes: provide name and location of facility: \_\_\_\_\_  
 If No: describe proposed management of any hazardous wastes which will not be sent to a hazardous waste facility: \_\_\_\_\_

## E. Site and Setting of Proposed Action

**E.1. Land uses on and surrounding the project site**

a. Existing land uses.  
 i. Check all uses that occur on, adjoining and near the project site. [Refer to Figure 3 and FEA Narrative Section 2.1.](#)  
☒ Urban ☐ Industrial ☐ Commercial ☐ Residential (suburban) ☐ Rural (non-farm)  
☐ Forest ☐ Agriculture ☒ Aquatic ☒ Other (specify): school, animal rescue facility  
 ii. If mix of uses, generally describe:  
 City of Beacon highway garage, public school, single family residences, two family residence, vacant residential land, animal rescue facility, vacant FCD property, MTA railroad property

b. Land uses and covertypes on the project site.

Land use or Covertypes	Current Acreage *	Acreage After Project Completion	Change (Acres +/-)
• Roads, buildings, and other paved or impervious surfaces	2.30	2.78	+0.48
• Forested	3.5	2.75	-0.75
• Meadows, grasslands or brushlands (non-agricultural, including abandoned agricultural)	2.37	0	-2.37
• Agricultural (includes active orchards, field, greenhouse etc.)	0	0	
• Surface water features (lakes, ponds, streams, rivers, etc.)	0.31	0.31	0
• Wetlands (freshwater or tidal)	0	0	0
• Non-vegetated (bare rock, earth or fill)	0.70	0	-0.70
• Other Describe: <u>lawn/landscaped areas</u>	0	3.34	+3.34

\* Prior to demolition of former manufacturing buildings.

Page 10 of 13

v. Is the project site subject to an institutional control limiting property uses? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span> <ul style="list-style-type: none"> <li>If yes, DEC site ID number: _____</li> <li>Describe the type of institutional control (e.g., deed restriction or easement): _____</li> <li>Describe any use limitations: _____</li> <li>Describe any engineering controls: _____</li> <li>Will the project affect the institutional or engineering controls in place? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span></li> <li>Explain: _____</li> </ul>																			
<b>E.2. Natural Resources On or Near Project Site</b> <a href="#">Refer to Figure 4 and FEAF Narrative Section 4.1.</a>																			
a. What is the average depth to bedrock on the project site? _____ >5 feet																			
b. Are there bedrock outcroppings on the project site? <span style="float: right;"><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</span> If Yes, what proportion of the site is comprised of bedrock outcroppings? _____ %																			
c. Predominant soil type(s) present on project site: <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">Udorthents, smoothed</td> <td style="width: 20%; text-align: right;">100 %</td> <td style="width: 20%;"></td> </tr> <tr> <td>_____</td> <td style="text-align: right;">%</td> <td></td> </tr> <tr> <td>_____</td> <td style="text-align: right;">%</td> <td></td> </tr> </table>		Udorthents, smoothed	100 %		_____	%		_____	%										
Udorthents, smoothed	100 %																		
_____	%																		
_____	%																		
d. What is the average depth to the water table on the project site? Average: _____ >3 feet																			
e. Drainage status of project site soils: <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;"><input checked="" type="checkbox"/> Well Drained:</td> <td style="width: 30%; text-align: right;">45 % of site</td> <td style="width: 35%;"></td> </tr> <tr> <td><input checked="" type="checkbox"/> Moderately Well Drained:</td> <td style="text-align: right;">45 % of site</td> <td></td> </tr> <tr> <td><input checked="" type="checkbox"/> Poorly Drained</td> <td style="text-align: right;">10 % of site</td> <td></td> </tr> </table>		<input checked="" type="checkbox"/> Well Drained:	45 % of site		<input checked="" type="checkbox"/> Moderately Well Drained:	45 % of site		<input checked="" type="checkbox"/> Poorly Drained	10 % of site										
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f. Approximate proportion of proposed action site with slopes: <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 40%;"><input checked="" type="checkbox"/> 0-10%:</td> <td style="width: 30%; text-align: right;">15 % of site</td> <td style="width: 30%;"></td> </tr> <tr> <td><input checked="" type="checkbox"/> 10-15%:</td> <td style="text-align: right;">40 % of site</td> <td></td> </tr> <tr> <td><input checked="" type="checkbox"/> 15% or greater:</td> <td style="text-align: right;">45 % of site</td> <td></td> </tr> </table> <a href="#">Refer to Figure 5.</a>		<input checked="" type="checkbox"/> 0-10%:	15 % of site		<input checked="" type="checkbox"/> 10-15%:	40 % of site		<input checked="" type="checkbox"/> 15% or greater:	45 % of site										
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<input checked="" type="checkbox"/> 10-15%:	40 % of site																		
<input checked="" type="checkbox"/> 15% or greater:	45 % of site																		
g. Are there any unique geologic features on the project site? <span style="float: right;"><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</span> If Yes, describe: _____																			
h. Surface water features. <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">i. Does any portion of the project site contain wetlands or other waterbodies (including streams, rivers, ponds or lakes)? <a href="#">Refer to Figure 5 and FEAF Narrative Section 4.2.</a></td> <td style="width: 20%; text-align: right;"><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</td> </tr> <tr> <td>ii. Do any wetlands or other waterbodies adjoin the project site?</td> <td style="text-align: right;"><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</td> </tr> </table> If Yes to either <i>i</i> or <i>ii</i> , continue. If No, skip to E.2.i. <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">iii. Are any of the wetlands or waterbodies within or adjoining the project site regulated by any federal, state or local agency?</td> <td style="width: 20%; text-align: right;"><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</td> </tr> </table> iv. For each identified regulated wetland and waterbody on the project site, provide the following information: <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;">• Streams:</td> <td style="width: 40%;">Name <u>Fishkill Creek (NYSDEC Stream H-95)</u></td> <td style="width: 50%;">Classification _____</td> </tr> <tr> <td>• Lakes or Ponds:</td> <td>Name <u>NA</u></td> <td>Classification _____</td> </tr> <tr> <td>• Wetlands:</td> <td>Name <u>Federal Waters, Federal Waters</u></td> <td>Approximate Size <a href="#">Refer to Section 4.2</a></td> </tr> <tr> <td>• Wetland No. (if regulated by DEC)</td> <td colspan="2"><u>NA</u></td> </tr> </table>		i. Does any portion of the project site contain wetlands or other waterbodies (including streams, rivers, ponds or lakes)? <a href="#">Refer to Figure 5 and FEAF Narrative Section 4.2.</a>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	ii. Do any wetlands or other waterbodies adjoin the project site?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	iii. Are any of the wetlands or waterbodies within or adjoining the project site regulated by any federal, state or local agency?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	• Streams:	Name <u>Fishkill Creek (NYSDEC Stream H-95)</u>	Classification _____	• Lakes or Ponds:	Name <u>NA</u>	Classification _____	• Wetlands:	Name <u>Federal Waters, Federal Waters</u>	Approximate Size <a href="#">Refer to Section 4.2</a>	• Wetland No. (if regulated by DEC)	<u>NA</u>	
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• Wetlands:	Name <u>Federal Waters, Federal Waters</u>	Approximate Size <a href="#">Refer to Section 4.2</a>																	
• Wetland No. (if regulated by DEC)	<u>NA</u>																		
v. Are any of the above water bodies listed in the most recent compilation of NYS water quality-impaired waterbodies? <span style="float: right;"><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</span> If yes, name of impaired water body/bodies and basis for listing as impaired: _____																			
i. Is the project site in a designated Floodway? <a href="#">Refer to Figure 6 and FEAF Narrative Section 4.3.</a> <span style="float: right;"><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</span>																			
j. Is the project site in the 100 year Floodplain? <span style="float: right;"><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</span>																			
k. Is the project site in the 500 year Floodplain? <span style="float: right;"><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</span>																			
l. Is the project site located over, or immediately adjoining, a primary, principal or sole source aquifer? <span style="float: right;"><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</span> If Yes: <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;">i. Name of aquifer:</td> <td><u>Principal Aquifer</u></td> </tr> </table>		i. Name of aquifer:	<u>Principal Aquifer</u>																
i. Name of aquifer:	<u>Principal Aquifer</u>																		

<p>m. Identify the predominant wildlife species that occupy or use the project site: _____  Common urban species _____  Refer to FEAF Narrative Section 10.0. _____</p>	
<p>n. Does the project site contain a designated significant natural community? <span style="float: right;"><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</span>  If Yes:  <i>i.</i> Describe the habitat/community (composition, function, and basis for designation): _____  _____  <i>ii.</i> Source(s) of description or evaluation: _____  <i>iii.</i> Extent of community/habitat:  <ul style="list-style-type: none"> <li>• Currently: _____ acres</li> <li>• Following completion of project as proposed: _____ acres</li> <li>• Gain or loss (indicate + or -): _____ acres</li> </ul> </p>	
<p>o. Does project site contain any species of plant or animal that is listed by the federal government or NYS as endangered or threatened, or does it contain any areas identified as habitat for an endangered or threatened species? <span style="float: right;"><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</span>   Refer to Figure 7 and FEAF Narrative Section 10.0.</p>	
<p>p. Does the project site contain any species of plant or animal that is listed by NYS as rare, or as a species of special concern? <span style="float: right;"><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</span></p>	
<p>q. Is the project site or adjoining area currently used for hunting, trapping, fishing or shell fishing? <span style="float: right;"><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</span>  If yes, give a brief description of how the proposed action may affect that use: _____  _____</p>	
<p><b>E.3. Designated Public Resources On or Near Project Site</b></p>	
<p>a. Is the project site, or any portion of it, located in a designated agricultural district certified pursuant to Agriculture and Markets Law, Article 25-AA, Section 303 and 304? <span style="float: right;"><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</span>  If Yes, provide county plus district name/number: _____</p>	
<p>b. Are agricultural lands consisting of highly productive soils present? <span style="float: right;"><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</span>  <i>i.</i> If Yes: acreage(s) on project site: _____  <i>ii.</i> Source(s) of soil rating(s): _____</p>	
<p>c. Does the project site contain all or part of, or is it substantially contiguous to, a registered National Natural Landmark? <span style="float: right;"><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</span>  If Yes:  <i>i.</i> Nature of the natural landmark: <input type="checkbox"/> Biological Community <input type="checkbox"/> Geological Feature  <i>ii.</i> Provide brief description of landmark, including values behind designation and approximate size/extent: _____  _____  _____</p>	
<p>d. Is the project site located in or does it adjoin a state listed Critical Environmental Area? <span style="float: right;"><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</span>  If Yes:  <i>i.</i> CEA name: _____  <i>ii.</i> Basis for designation: _____  <i>iii.</i> Designating agency and date: _____</p>	







**Disclaimer:** The EAF Mapper is a screening tool intended to assist project sponsors and reviewing agencies in preparing an environmental assessment form (EAF). Not all questions asked in the EAF are answered by the EAF Mapper. Additional information on any EAF question can be obtained by consulting the EAF Workbooks. Although the EAF Mapper provides the most up-to-date digital data available to DEC, you may also need to contact local or other data sources in order to obtain data not provided by the Mapper. Digital data is not a substitute for agency determinations.



B.i.i [Coastal or Waterfront Area]	Yes
B.i.ii [Local Waterfront Revitalization Area]	Yes
C.2.b. [Special Planning District]	Yes - Digital mapping data are not available for all Special Planning Districts. Refer to EAF Workbook.
C.2.b. [Special Planning District - Name]	Remediation Sites:314044 , Remediation Sites:546031
E.1.h [DEC Spills or Remediation Site - Potential Contamination History]	Yes - Digital mapping data for Spills Incidents are not available for this location. Refer to EAF Workbook.
E.1.h.i [DEC Spills or Remediation Site - Listed]	Yes
E.1.h.i [DEC Spills or Remediation Site - Environmental Site Remediation Database]	Yes
E.1.h.i [DEC Spills or Remediation Site - DEC ID Number]	314044 , 546031
E.1.h.iii [Within 2,000' of DEC Remediation Site]	Yes
E.1.h.iii [Within 2,000' of DEC Remediation Site - DEC ID]	C314117, 314044 , C314118, 546031
E.2.g [Unique Geologic Features]	No
E.2.h.i [Surface Water Features]	Yes
E.2.h.ii [Surface Water Features]	Yes
E.2.h.iii [Surface Water Features]	Yes - Digital mapping information on local and federal wetlands and waterbodies is known to be incomplete. Refer to EAF Workbook.
E.2.h.iv [Surface Water Features - Wetlands Name]	Federal Waters
E.2.h.v [Impaired Water Bodies]	No
E.2.i. [Floodway]	Yes
E.2.j. [100 Year Floodplain]	Yes

E.2.k. [500 Year Floodplain]	Yes
E.2.l. [Aquifers]	Yes
E.2.l. [Aquifer Names]	Principal Aquifer
E.2.n. [Natural Communities]	No
E.2.o. [Endangered or Threatened Species]	No
E.2.p. [Rare Plants or Animals]	No
E.3.a. [Agricultural District]	No
E.3.c. [National Natural Landmark]	No
E.3.d [Critical Environmental Area]	No
E.3.e. [National Register of Historic Places]	Yes - Digital mapping data for archaeological site boundaries are not available. Refer to EAF Workbook.
E.3.e.ii [National Register of Historic Places - Name]	St. Luke's Episcopal Church Complex
E.3.f. [Archeological Sites]	Yes
E.3.i. [Designated River Corridor]	No

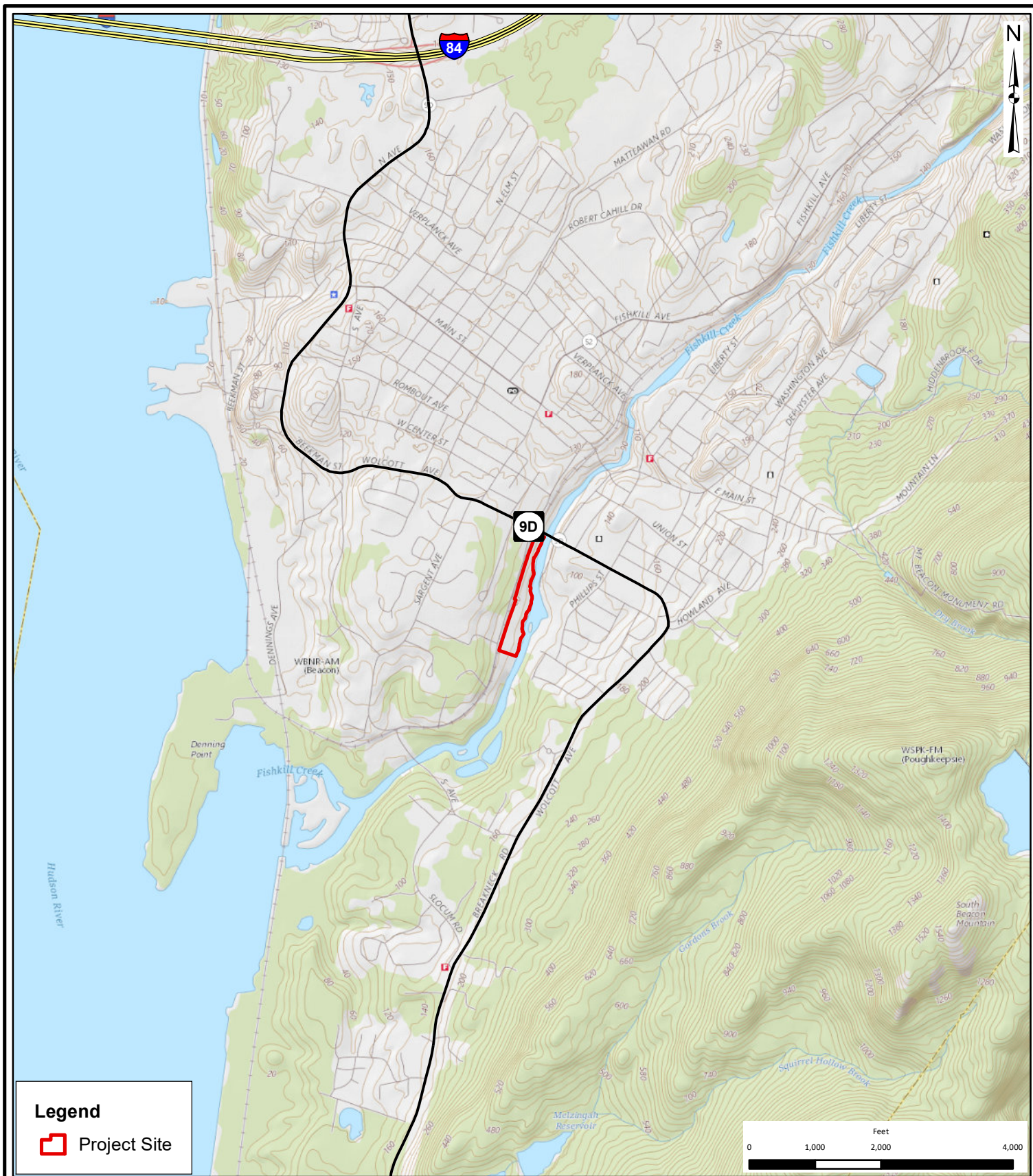
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## FIGURES

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## Legend

▭ Project Site

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Phone: (518) 273-0055

**North Country Office:**  
375 Bay Road, Queensbury, NY 12804  
Phone: (518) 812-0513

## Proposed Fishkill Creek Development (FCD) Site Plan

## USGS Location Map

Tioronda Avenue, City of Beacon - Dutchess County, NY

Drawn:	RLB
Date:	09/06/2018
Scale:	1 in = 2,000 feet
Project:	81750.00
Figure:	1





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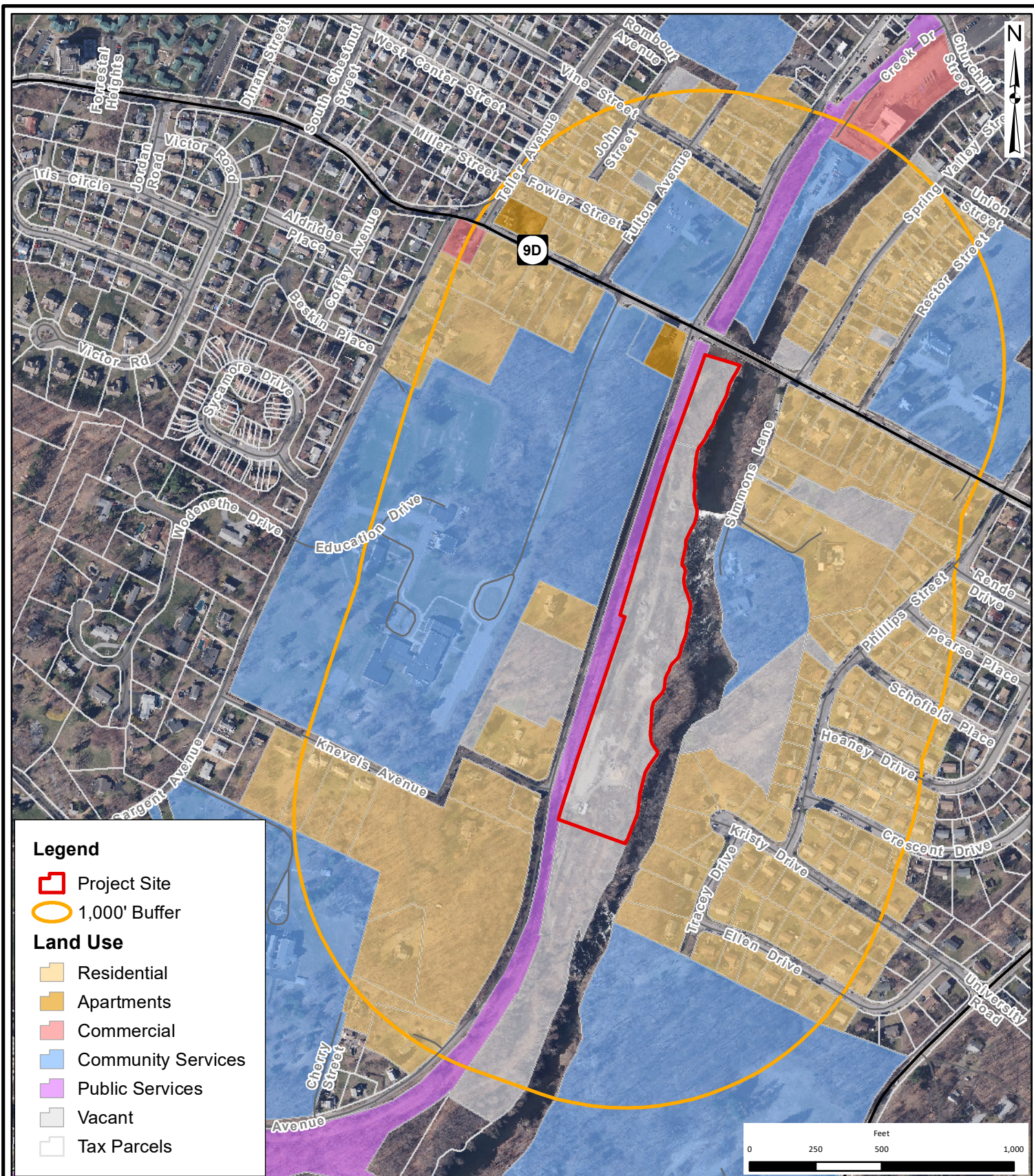
### Proposed Fishkill Creek Development (FCD) Site Plan

## Orthophoto Tax Map

Tioronda Avenue, City of Beacon - Dutchess County, NY

Drawn:	RLB
Date:	09/06/2018
Scale:	1 in = 300 feet
Project:	81750.00
Figure:	2





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## Proposed Fishkill Creek Development (FCD) Site Plan

### Land Use Map

Tioronda Avenue, City of Beacon - Dutchess County, NY

Drawn:	RLB
Date:	09/06/2018
Scale:	1 in = 500 feet
Project:	81750.00
Figure:	3





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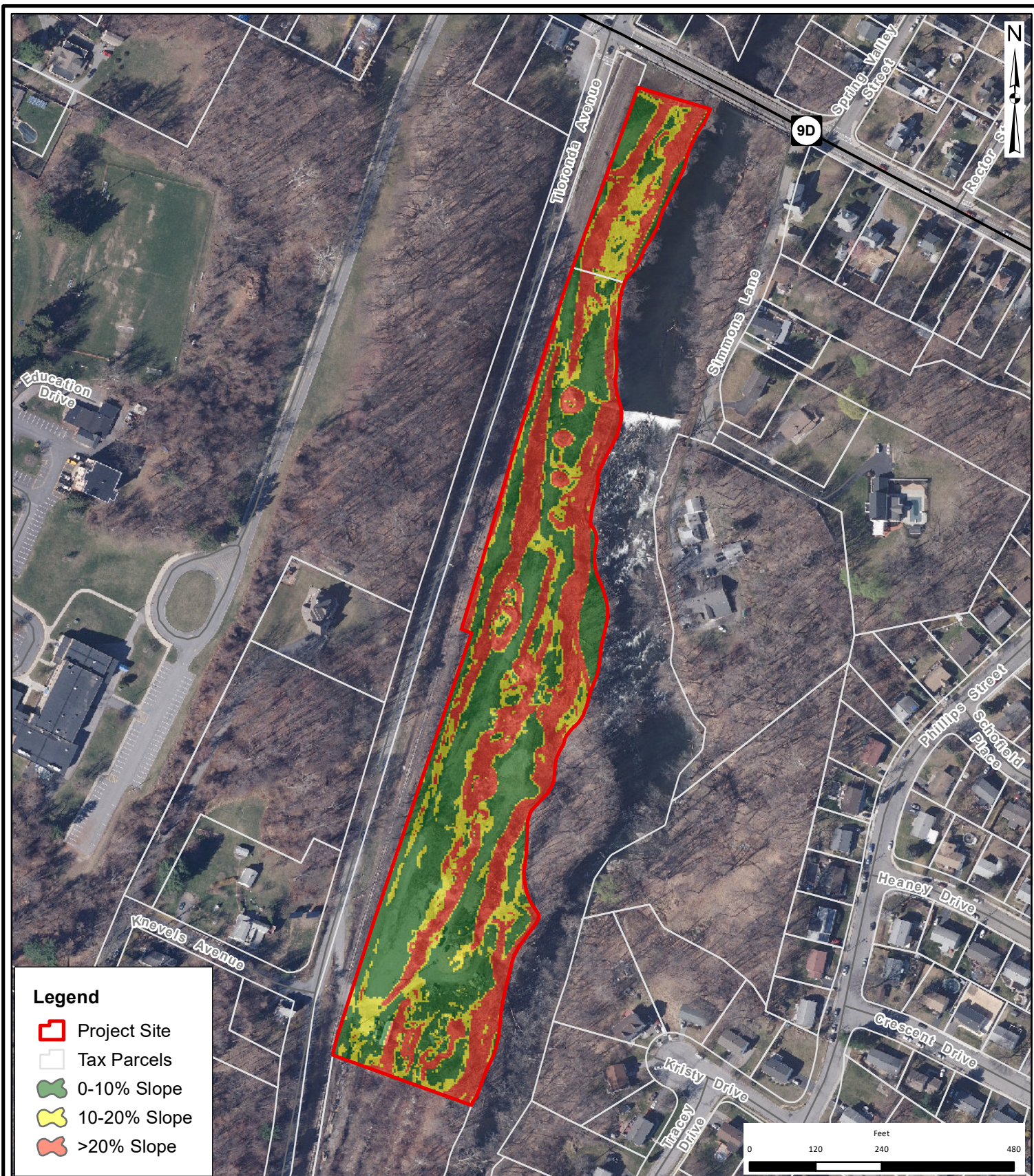
## Proposed Fishkill Creek Development (FCD) Site Plan

### Soils Map

Tioronda Avenue, City of Beacon - Dutchess County, NY

Drawn:	RLB
Date:	09/06/2018
Scale:	1 in = 300 feet
Project:	81750.00
Figure:	4





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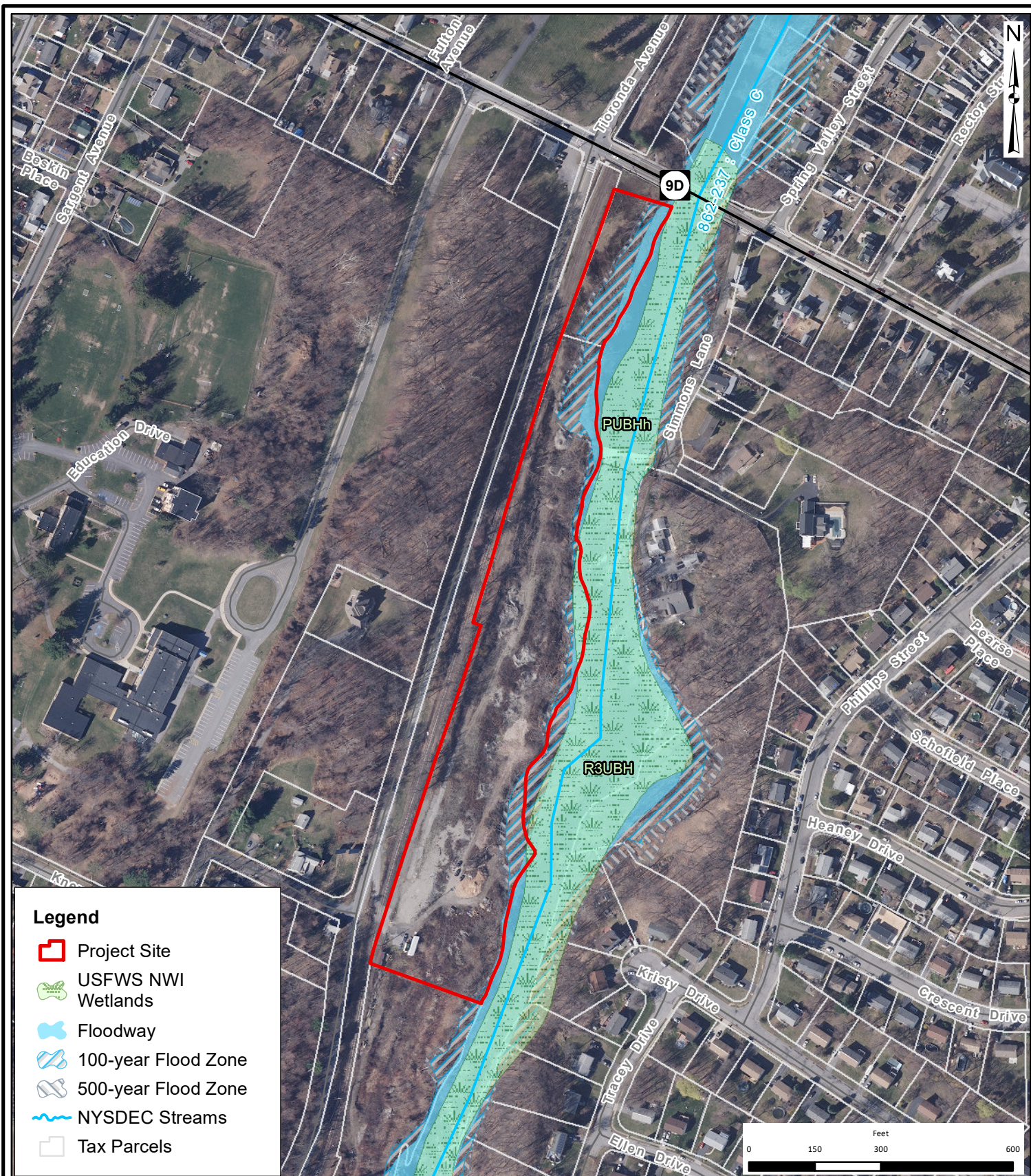
## Proposed Fishkill Creek Development (FCD) Site Plan

### Slopes Map

Tioronda Avenue, City of Beacon - Dutchess County, NY

Drawn:	RLB
Date:	09/06/2018
Scale:	1 in = 240 feet
Project:	81750.00
Figure:	5





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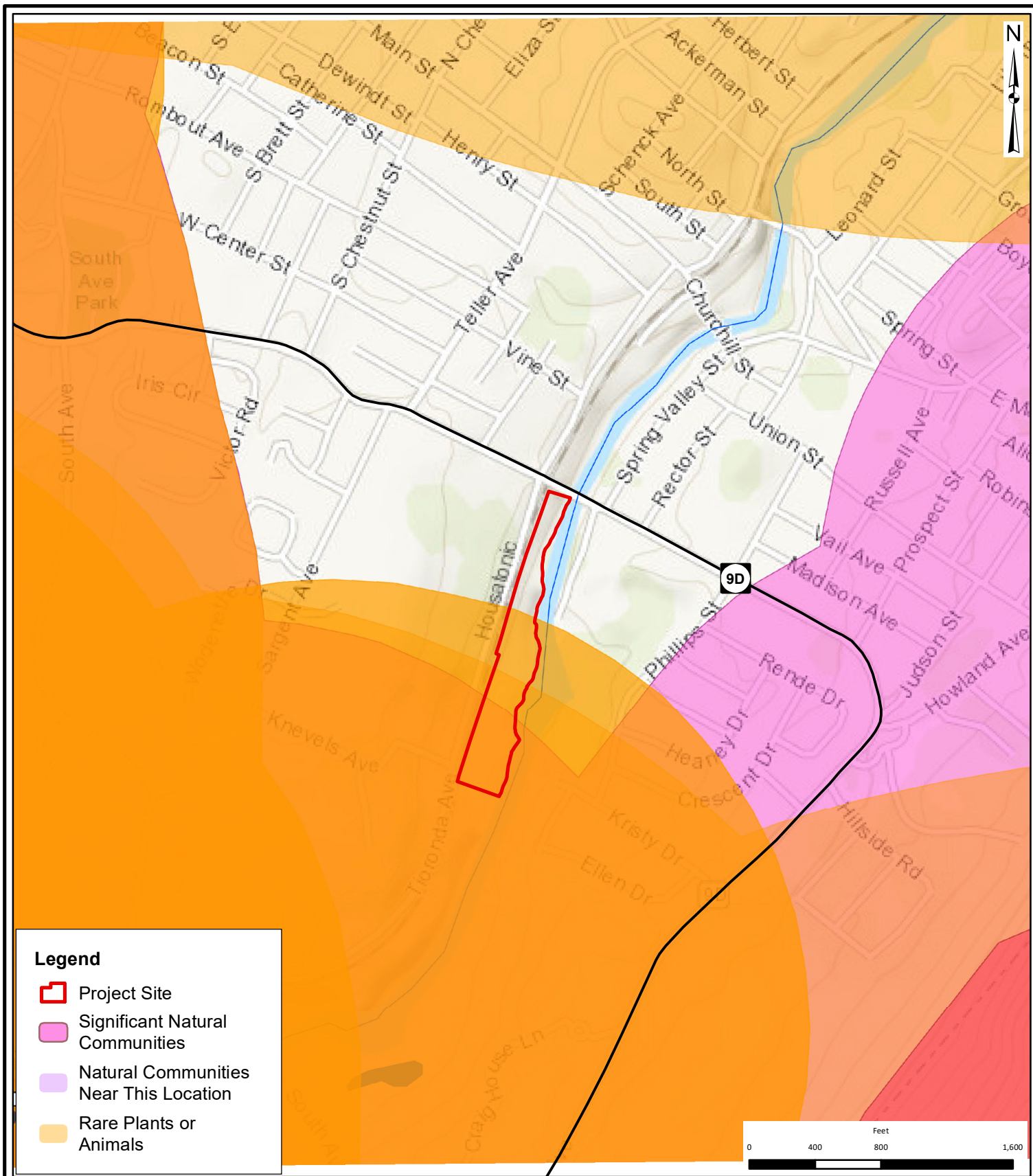
## Proposed Fishkill Creek Development (FCD) Site Plan

### Wetland, Streams and Floodplain Map

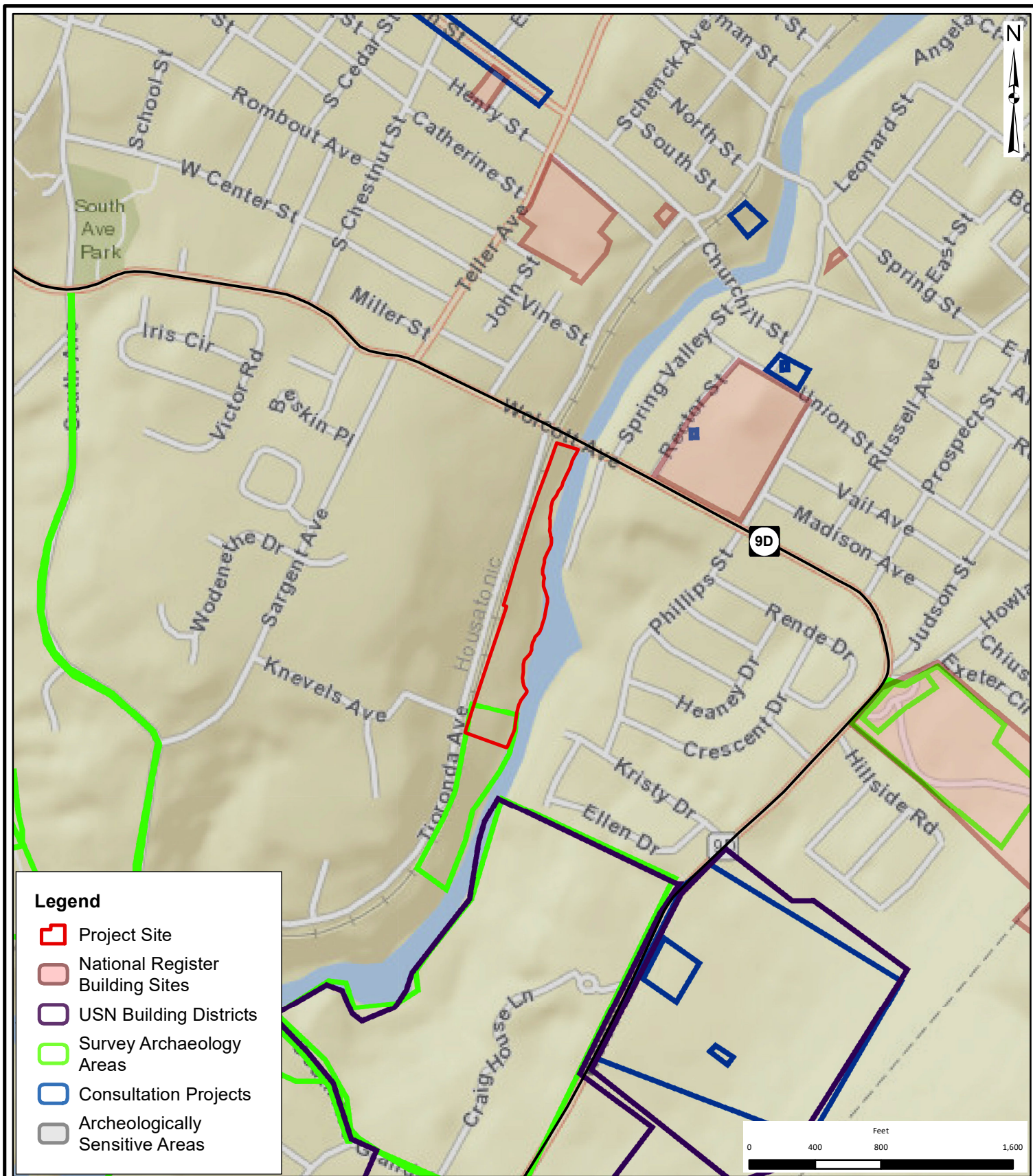
Tioronda Avenue, City of Beacon - Dutchess County, NY

Drawn:	RLB
Date:	09/06/2018
Scale:	1 in = 300 feet
Project:	81750.00
Figure:	6









### Legend

- ▮ Project Site
- ▮ National Register Building Sites
- ▮ USN Building Districts
- ▮ Survey Archaeology Areas
- ▮ Consultation Projects
- ▮ Archeologically Sensitive Areas

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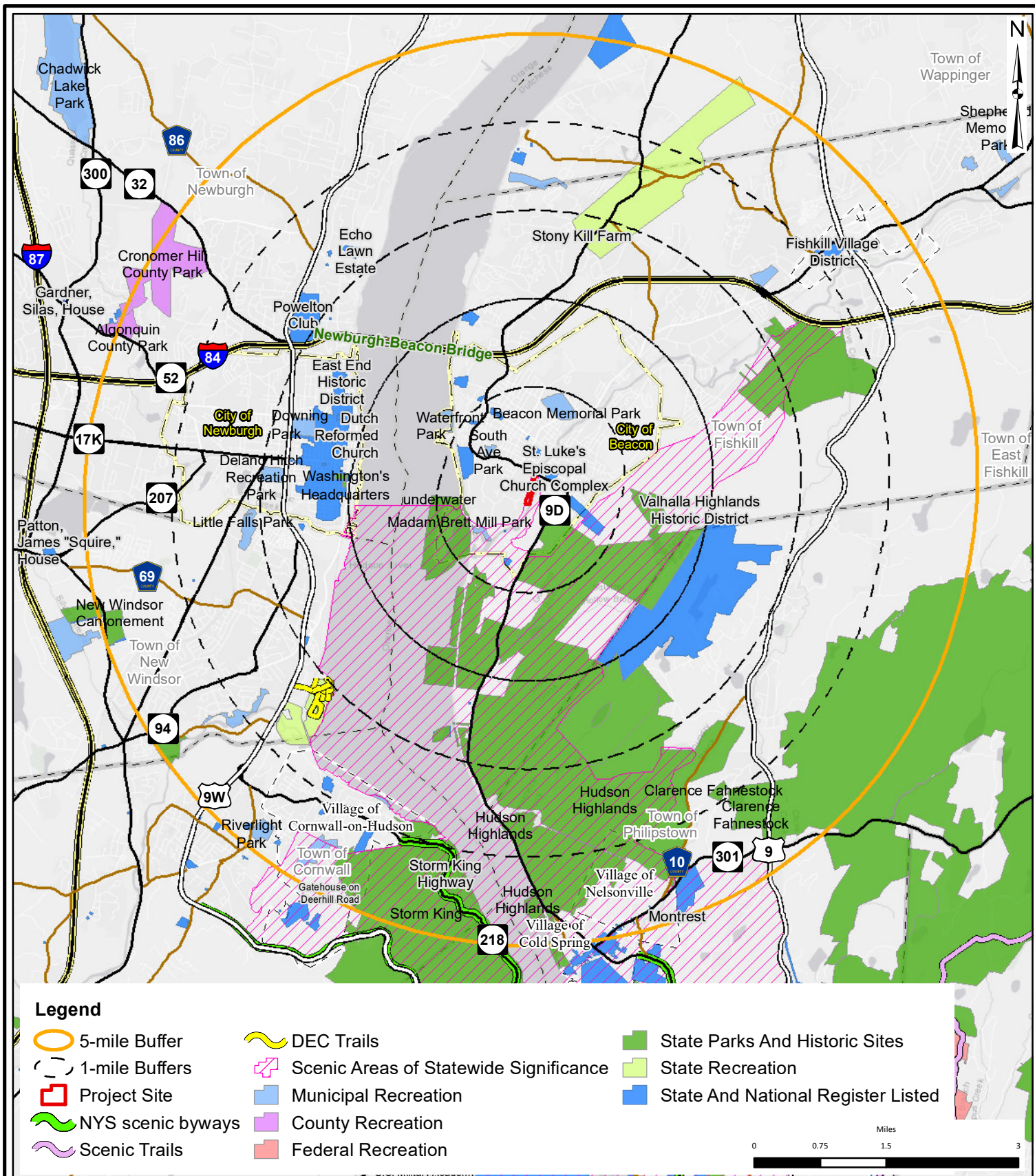
### Proposed Fishkill Creek Development (FCD) Site Plan

## NYSOPRHP Cultural Resource Information System (CRIS)

Tioronda Avenue, City of Beacon - Dutchess County, NY

Drawn:	RLB
Date:	09/07/2018
Scale:	1 in = 800 feet
Project:	81750.00
Figure:	8





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### Proposed Fishkill Creek Development (FCD) Site Plan

## Publicly Accessible Federal, State, or Local Scenic or Aesthetic Resources within 5 Miles

Tioronda Avenue, City of Beacon - Dutchess County, NY

Drawn:	RL-B
Date:	09/07/2018
Scale:	1 in = 1.5 miles
Project:	81750.00
Figure:	9

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## ATTACHMENT A

### Updated Traffic Synchro Analysis

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## Tom Johnson

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**From:** Tom Johnson  
**Sent:** Monday, October 29, 2018 9:45 AM  
**To:** Larry Boudreau  
**Subject:** RE: Beacon - 248 Tioronda

Larry, previous traffic analysis files are not in the project folder so I re-created them. Here is summary of updated analysis for Wolcott/Tioronda intersection:

1. The 2015 analysis showed LOS B for AM and PM build using Synchro version 8
2. Re-creating the 2015 analysis showed LOS A for AM and PM using Synchro version 10 which is 2 versions after 8
3. To change LOS A to B for AM peak I added 300 vehicles EB on Wolcott, 300 vehicles WB on Wolcott, and 50 vehicles SB on Tioronda (kept NB the same). Delay increased by about 3 seconds.
4. To change LOS A to B for PM peak I added 200 vehicles EB on Wolcott, 200 vehicles WB on Wolcott, and 50 vehicles SB on Tioronda (kept NB the same). Delay increased by about 3 seconds.

Bottom line: intersection can handle a lot more traffic and still operate with very good levels of service.

Thomas R. Johnson, P.E., PTOE  
Transportation Services Manager  
**The Chazen Companies**  
547 River Street  
Troy, NY 12180  
Direct: (518) 266-7369  
[tjohnson@chazencompanies.com](mailto:tjohnson@chazencompanies.com)  
[www.chazencompanies.com](http://www.chazencompanies.com)

---

**From:** Larry Boudreau  
**Sent:** Friday, October 26, 2018 2:53 PM  
**To:** 'Ward-Willis, Nicholas M.' <[NWard-Willis@kblaw.com](mailto:NWard-Willis@kblaw.com)>; 'John Russo' <[jdr@lanctully.com](mailto:jdr@lanctully.com)>  
**Cc:** 'Anthony Ruggiero' <[aruggiero@cityofbeacon.org](mailto:aruggiero@cityofbeacon.org)>; 'John Clarke' <[jclarkeplandesign@gmail.com](mailto:jclarkeplandesign@gmail.com)>  
**Subject:** RE: Beacon - 248 Tioronda

Yes I understand. The TIS completed at that time indicated that all studied intersections were operating at a health good to excellent service (LOS A and B), and the 2015 build volumes did not change the LOS at the studied intersections. I will prepare a ppt slide to review this Monday night. Thanks Nic.

Larry

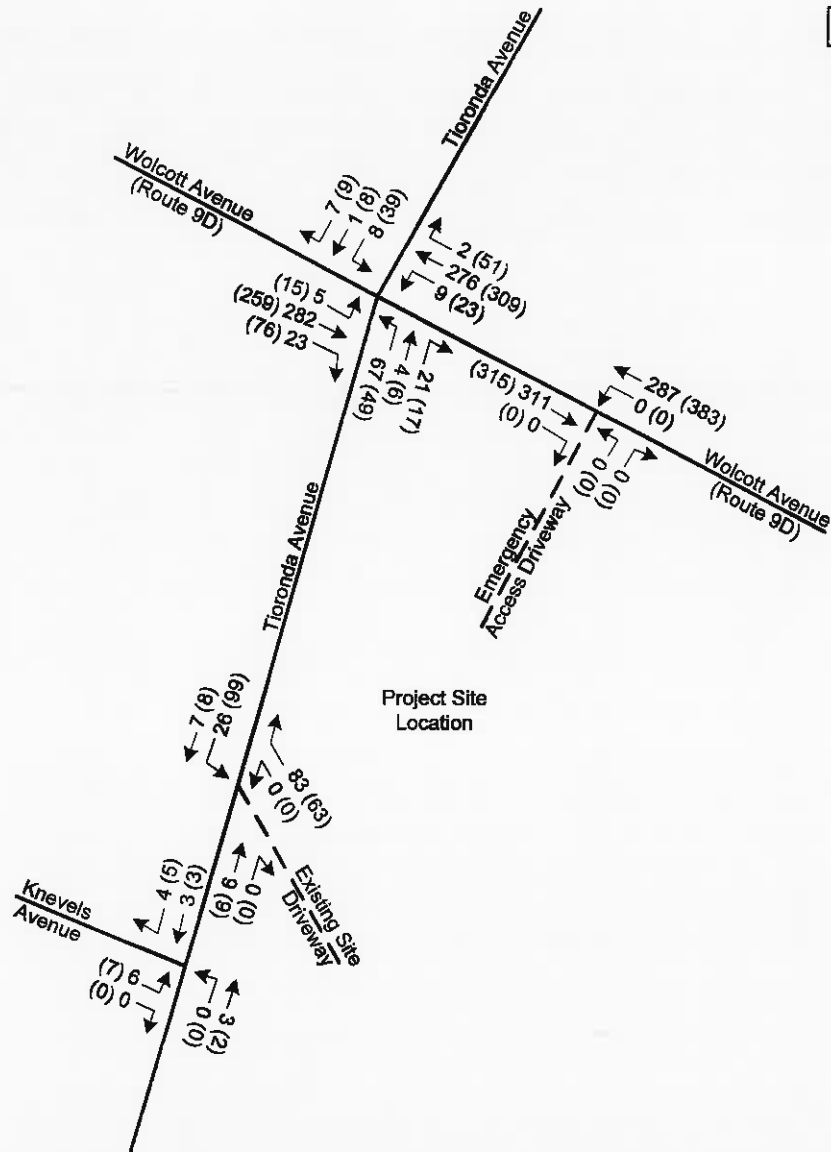
---

**From:** Ward-Willis, Nicholas M. <[NWard-Willis@kblaw.com](mailto:NWard-Willis@kblaw.com)>  
**Sent:** Friday, October 26, 2018 1:51 PM  
**To:** Larry Boudreau <[lboudreau@chazencompanies.com](mailto:lboudreau@chazencompanies.com)>; 'John Russo' <[jdr@lanctully.com](mailto:jdr@lanctully.com)>  
**Cc:** 'Anthony Ruggiero' <[aruggiero@cityofbeacon.org](mailto:aruggiero@cityofbeacon.org)>; 'John Clarke' <[jclarkeplandesign@gmail.com](mailto:jclarkeplandesign@gmail.com)>  
**Subject:** RE: Beacon - 248 Tioronda

Larry, thanks. I read that language in the EAF, but my question is more focused on whether given the changes in Beacon in the last 5 years since the report was done, have the traffic counts on Route 9D and Tioronda Avenue and traffic patterns changed, such that the 2013 Study should be updated. As the attorney, I don't know the answer, but in my mind, it is a legitimate question.

Nick

# Scenario 1



AM PEAK HOUR TRAFFIC VOLUMES (PM PEAK HOUR TRAFFIC VOLUMES)

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## Beacon 248 Development, LLC

Tioronda Avenue  
City of Beacon  
Dutchess County, New York

2015 Build  
Traffic Volumes  
(Scenario 1)

Project #: 81056.00

















Date: October 2013

Figure: #A3

# Lanes, Volumes, Timings

## 3: Tioronda & Wolcott (9D)













03/22/2019

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	5	282	23	9	276	2	67	4	21	8	1	7
Future Volume (vph)	5	282	23	9	276	2	67	4	21	8	1	7
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Frt		0.990			0.999			0.969			0.940	
Flt Protected		0.999			0.998			0.965			0.976	
Satd. Flow (prot)	0	1842	0	0	1857	0	0	1742	0	0	1709	0
Flt Permitted		0.992			0.983			0.815			0.902	
Satd. Flow (perm)	0	1829	0	0	1829	0	0	1471	0	0	1579	0
Right Turn on Red			Yes			Yes			No			No
Satd. Flow (RTOR)		10			1							
Link Speed (mph)		15			30			25			30	
Link Distance (ft)		964			1319			984			876	
Travel Time (s)		43.8			30.0			26.8			19.9	
Peak Hour Factor	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
Adj. Flow (vph)	6	320	26	10	314	2	76	5	24	9	1	8
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	352	0	0	326	0	0	105	0	0	18	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		0			0			0			0	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15		9	15		9	15		9	15		9
Number of Detectors	1	2		1	2		1	2		1	2	
Detector Template	Left	Thru		Left	Thru		Left	Thru		Left	Thru	
Leading Detector (ft)	20	100		20	100		20	100		20	100	
Trailing Detector (ft)	0	0		0	0		0	0		0	0	
Detector 1 Position(ft)	0	0		0	0		0	0		0	0	
Detector 1 Size(ft)	20	6		20	6		20	6		20	6	
Detector 1 Type	Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex	
Detector 1 Channel												
Detector 1 Extend (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 1 Queue (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 1 Delay (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 2 Position(ft)		94			94			94			94	
Detector 2 Size(ft)		6			6			6			6	
Detector 2 Type		Cl+Ex			Cl+Ex			Cl+Ex			Cl+Ex	
Detector 2 Channel												
Detector 2 Extend (s)		0.0			0.0			0.0			0.0	
Turn Type	Perm	NA		Perm	NA		Perm	NA		Perm	NA	
Protected Phases		4			8			2			6	
Permitted Phases	4			8			2			6		
Detector Phase	4	4		8	8		2	2		6	6	
Switch Phase												
Minimum Initial (s)	5.0	5.0		5.0	5.0		2.5	2.5		2.5	2.5	

# Lanes, Volumes, Timings

## 3: Tioronda & Wolcott (9D)

03/22/2019

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Minimum Split (s)	23.0	23.0		23.0	23.0		8.0	8.0		23.0	23.0	
Total Split (s)	63.0	63.0		63.0	63.0		23.0	23.0		23.0	23.0	
Total Split (%)	73.3%	73.3%		73.3%	73.3%		26.7%	26.7%		26.7%	26.7%	
Maximum Green (s)	58.0	58.0		58.0	58.0		18.0	18.0		18.0	18.0	
Yellow Time (s)	4.0	4.0		4.0	4.0		4.0	4.0		4.0	4.0	
All-Red Time (s)	1.0	1.0		1.0	1.0		1.0	1.0		1.0	1.0	
Lost Time Adjust (s)		0.0			0.0			0.0			0.0	
Total Lost Time (s)		5.0			5.0			5.0			5.0	
Lead/Lag												
Lead-Lag Optimize?												
Vehicle Extension (s)	3.0	3.0		3.0	3.0		3.0	3.0		3.0	3.0	
Recall Mode	None	None		None	None		Max	Max		Max	Max	
Walk Time (s)	7.0	7.0		7.0	7.0					7.0	7.0	
Flash Dont Walk (s)	11.0	11.0		11.0	11.0					11.0	11.0	
Pedestrian Calls (#/hr)	0	0		0	0					0	0	
Act Effect Green (s)		13.3			13.3			18.1			18.1	
Actuated g/C Ratio		0.32			0.32			0.44			0.44	
v/c Ratio		0.59			0.56			0.16			0.03	
Control Delay		15.8			15.4			9.2			8.4	
Queue Delay		0.0			0.0			0.0			0.0	
Total Delay		15.8			15.4			9.2			8.4	
LOS		B			B			A			A	
Approach Delay		15.8			15.4			9.2			8.4	
Approach LOS		B			B			A			A	

### Intersection Summary

Area Type: Other

Cycle Length: 86

Actuated Cycle Length: 41.5

Natural Cycle: 50

Control Type: Actuated-Uncoordinated

Maximum v/c Ratio: 0.59

Intersection Signal Delay: 14.6

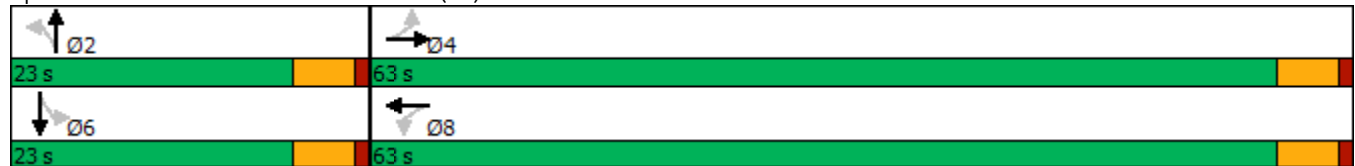
Intersection LOS: B

Intersection Capacity Utilization 35.6%

ICU Level of Service A

Analysis Period (min) 15

















Splits and Phases: 3: Tioronda & Wolcott (9D)



# Lanes, Volumes, Timings

## 3: Tioronda & Wolcott (9D)













03/22/2019

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	15	259	76	23	309	51	49	5	17	39	8	9
Future Volume (vph)	15	259	76	23	309	51	49	5	17	39	8	9
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Frt		0.971			0.982			0.968			0.977	
Flt Protected		0.998			0.997			0.967			0.966	
Satd. Flow (prot)	0	1805	0	0	1824	0	0	1744	0	0	1758	0
Flt Permitted		0.971			0.960			0.808			0.811	
Satd. Flow (perm)	0	1756	0	0	1756	0	0	1457	0	0	1476	0
Right Turn on Red			Yes			Yes			No			No
Satd. Flow (RTOR)		35			20							
Link Speed (mph)		15			30			25			30	
Link Distance (ft)		964			1319			984			876	
Travel Time (s)		43.8			30.0			26.8			19.9	
Peak Hour Factor	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
Adj. Flow (vph)	18	305	89	27	364	60	58	6	20	46	9	11
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	412	0	0	451	0	0	84	0	0	66	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		0			0			0			0	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15		9	15		9	15		9	15		9
Number of Detectors	1	2		1	2		1	2		1	2	
Detector Template	Left	Thru		Left	Thru		Left	Thru		Left	Thru	
Leading Detector (ft)	20	100		20	100		20	100		20	100	
Trailing Detector (ft)	0	0		0	0		0	0		0	0	
Detector 1 Position(ft)	0	0		0	0		0	0		0	0	
Detector 1 Size(ft)	20	6		20	6		20	6		20	6	
Detector 1 Type	Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex	
Detector 1 Channel												
Detector 1 Extend (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 1 Queue (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 1 Delay (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 2 Position(ft)		94			94			94			94	
Detector 2 Size(ft)		6			6			6			6	
Detector 2 Type		Cl+Ex			Cl+Ex			Cl+Ex			Cl+Ex	
Detector 2 Channel												
Detector 2 Extend (s)		0.0			0.0			0.0			0.0	
Turn Type	Perm	NA		Perm	NA		Perm	NA		Perm	NA	
Protected Phases		4			8			2			6	
Permitted Phases	4			8			2			6		
Detector Phase	4	4		8	8		2	2		6	6	
Switch Phase												
Minimum Initial (s)	5.0	5.0		5.0	5.0		2.5	2.5		2.5	2.5	

# Lanes, Volumes, Timings

## 3: Tioronda & Wolcott (9D)

03/22/2019

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Minimum Split (s)	23.0	23.0		23.0	23.0		8.0	8.0		23.0	23.0	
Total Split (s)	63.0	63.0		63.0	63.0		23.0	23.0		23.0	23.0	
Total Split (%)	73.3%	73.3%		73.3%	73.3%		26.7%	26.7%		26.7%	26.7%	
Maximum Green (s)	58.0	58.0		58.0	58.0		18.0	18.0		18.0	18.0	
Yellow Time (s)	4.0	4.0		4.0	4.0		4.0	4.0		4.0	4.0	
All-Red Time (s)	1.0	1.0		1.0	1.0		1.0	1.0		1.0	1.0	
Lost Time Adjust (s)		0.0			0.0			0.0			0.0	
Total Lost Time (s)		5.0			5.0			5.0			5.0	
Lead/Lag												
Lead-Lag Optimize?												
Vehicle Extension (s)	3.0	3.0		3.0	3.0		3.0	3.0		3.0	3.0	
Recall Mode	None	None		None	None		Max	Max		Max	Max	
Walk Time (s)	7.0	7.0		7.0	7.0					7.0	7.0	
Flash Dont Walk (s)	11.0	11.0		11.0	11.0					11.0	11.0	
Pedestrian Calls (#/hr)	0	0		0	0					0	0	
Act Effect Green (s)		16.0			16.0			18.2			18.2	
Actuated g/C Ratio		0.36			0.36			0.41			0.41	
v/c Ratio		0.63			0.70			0.14			0.11	
Control Delay		15.0			17.6			10.6			10.3	
Queue Delay		0.0			0.0			0.0			0.0	
Total Delay		15.0			17.6			10.6			10.3	
LOS		B			B			B			B	
Approach Delay		15.0			17.6			10.6			10.3	
Approach LOS		B			B			B			B	

### Intersection Summary

Area Type: Other

Cycle Length: 86

Actuated Cycle Length: 44.2

Natural Cycle: 50

Control Type: Actuated-Uncoordinated

Maximum v/c Ratio: 0.70

Intersection Signal Delay: 15.5

Intersection LOS: B

Intersection Capacity Utilization 41.0%

ICU Level of Service A

Analysis Period (min) 15

Splits and Phases: 3: Tioronda & Wolcott (9D)





















### Lanes, Volumes, Timings

#### 3: Tioronda & Wolcott (9D)













03/22/2019

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	5	582	23	9	576	2	67	4	21	60	1	7
Future Volume (vph)	5	582	23	9	576	2	67	4	21	60	1	7
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Frt		0.995						0.969			0.986	
Flt Protected					0.999			0.965			0.958	
Satd. Flow (prot)	0	1853	0	0	1861	0	0	1742	0	0	1760	0
Flt Permitted		0.995			0.989			0.765			0.721	
Satd. Flow (perm)	0	1844	0	0	1842	0	0	1381	0	0	1324	0
Right Turn on Red			Yes			Yes			No			No
Satd. Flow (RTOR)		5										
Link Speed (mph)		15			30			25			30	
Link Distance (ft)		964			1319			984			876	
Travel Time (s)		43.8			30.0			26.8			19.9	
Peak Hour Factor	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
Adj. Flow (vph)	6	661	26	10	655	2	76	5	24	68	1	8
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	693	0	0	667	0	0	105	0	0	77	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		0			0			0			0	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15		9	15		9	15		9	15		9
Number of Detectors	1	2		1	2		1	2		1	2	
Detector Template	Left	Thru		Left	Thru		Left	Thru		Left	Thru	
Leading Detector (ft)	20	100		20	100		20	100		20	100	
Trailing Detector (ft)	0	0		0	0		0	0		0	0	
Detector 1 Position(ft)	0	0		0	0		0	0		0	0	
Detector 1 Size(ft)	20	6		20	6		20	6		20	6	
Detector 1 Type	Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex	
Detector 1 Channel												
Detector 1 Extend (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 1 Queue (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 1 Delay (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 2 Position(ft)		94			94			94			94	
Detector 2 Size(ft)		6			6			6			6	
Detector 2 Type		Cl+Ex			Cl+Ex			Cl+Ex			Cl+Ex	
Detector 2 Channel												
Detector 2 Extend (s)		0.0			0.0			0.0			0.0	
Turn Type	Perm	NA		Perm	NA		Perm	NA		Perm	NA	
Protected Phases		4			8			2			6	
Permitted Phases	4			8			2			6		
Detector Phase	4	4		8	8		2	2		6	6	
Switch Phase												
Minimum Initial (s)	5.0	5.0		5.0	5.0		2.5	2.5		2.5	2.5	

# Lanes, Volumes, Timings

## 3: Tioronda & Wolcott (9D)

03/22/2019

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Minimum Split (s)	23.0	23.0		23.0	23.0		8.0	8.0		23.0	23.0	
Total Split (s)	63.0	63.0		63.0	63.0		23.0	23.0		23.0	23.0	
Total Split (%)	73.3%	73.3%		73.3%	73.3%		26.7%	26.7%		26.7%	26.7%	
Maximum Green (s)	58.0	58.0		58.0	58.0		18.0	18.0		18.0	18.0	
Yellow Time (s)	4.0	4.0		4.0	4.0		4.0	4.0		4.0	4.0	
All-Red Time (s)	1.0	1.0		1.0	1.0		1.0	1.0		1.0	1.0	
Lost Time Adjust (s)		0.0			0.0			0.0			0.0	
Total Lost Time (s)		5.0			5.0			5.0			5.0	
Lead/Lag												
Lead-Lag Optimize?												
Vehicle Extension (s)	3.0	3.0		3.0	3.0		3.0	3.0		3.0	3.0	
Recall Mode	None	None		None	None		Max	Max		Max	Max	
Walk Time (s)	7.0	7.0		7.0	7.0					7.0	7.0	
Flash Dont Walk (s)	11.0	11.0		11.0	11.0					11.0	11.0	
Pedestrian Calls (#/hr)	0	0		0	0					0	0	
Act Effect Green (s)		28.8			28.8			18.4			18.4	
Actuated g/C Ratio		0.50			0.50			0.32			0.32	
v/c Ratio		0.75			0.72			0.24			0.18	
Control Delay		16.4			15.7			19.7			19.2	
Queue Delay		0.0			0.0			0.0			0.0	
Total Delay		16.4			15.7			19.7			19.2	
LOS		B			B			B			B	
Approach Delay		16.4			15.7			19.7			19.2	
Approach LOS		B			B			B			B	

### Intersection Summary

Area Type: Other

Cycle Length: 86

Actuated Cycle Length: 57.5

Natural Cycle: 60

Control Type: Actuated-Uncoordinated

Maximum v/c Ratio: 0.75

Intersection Signal Delay: 16.5

Intersection LOS: B

Intersection Capacity Utilization 49.7%

ICU Level of Service A

Analysis Period (min) 15

















Splits and Phases: 3: Tioronda & Wolcott (9D)



### Lanes, Volumes, Timings

#### 3: Tioronda & Wolcott (9D)













03/22/2019

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	15	459	76	23	509	51	49	5	17	90	8	9
Future Volume (vph)	15	459	76	23	509	51	49	5	17	90	8	9
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Frt		0.981			0.988			0.968			0.988	
Flt Protected		0.999			0.998			0.967			0.960	
Satd. Flow (prot)	0	1826	0	0	1837	0	0	1744	0	0	1767	0
Flt Permitted		0.976			0.965			0.767			0.714	
Satd. Flow (perm)	0	1783	0	0	1776	0	0	1383	0	0	1314	0
Right Turn on Red			Yes			Yes			No			No
Satd. Flow (RTOR)		21			12							
Link Speed (mph)		15			30			25			30	
Link Distance (ft)		964			1319			984			876	
Travel Time (s)		43.8			30.0			26.8			19.9	
Peak Hour Factor	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
Adj. Flow (vph)	18	540	89	27	599	60	58	6	20	106	9	11
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	647	0	0	686	0	0	84	0	0	126	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		0			0			0			0	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15		9	15		9	15		9	15		9
Number of Detectors	1	2		1	2		1	2		1	2	
Detector Template	Left	Thru		Left	Thru		Left	Thru		Left	Thru	
Leading Detector (ft)	20	100		20	100		20	100		20	100	
Trailing Detector (ft)	0	0		0	0		0	0		0	0	
Detector 1 Position(ft)	0	0		0	0		0	0		0	0	
Detector 1 Size(ft)	20	6		20	6		20	6		20	6	
Detector 1 Type	Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex	
Detector 1 Channel												
Detector 1 Extend (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 1 Queue (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 1 Delay (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 2 Position(ft)		94			94			94			94	
Detector 2 Size(ft)		6			6			6			6	
Detector 2 Type		Cl+Ex			Cl+Ex			Cl+Ex			Cl+Ex	
Detector 2 Channel												
Detector 2 Extend (s)		0.0			0.0			0.0			0.0	
Turn Type	Perm	NA		Perm	NA		Perm	NA		Perm	NA	
Protected Phases		4			8			2			6	
Permitted Phases	4			8			2			6		
Detector Phase	4	4		8	8		2	2		6	6	
Switch Phase												
Minimum Initial (s)	5.0	5.0		5.0	5.0		2.5	2.5		2.5	2.5	

# Lanes, Volumes, Timings

## 3: Tioronda & Wolcott (9D)

03/22/2019

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Minimum Split (s)	23.0	23.0		23.0	23.0		8.0	8.0		23.0	23.0	
Total Split (s)	63.0	63.0		63.0	63.0		23.0	23.0		23.0	23.0	
Total Split (%)	73.3%	73.3%		73.3%	73.3%		26.7%	26.7%		26.7%	26.7%	
Maximum Green (s)	58.0	58.0		58.0	58.0		18.0	18.0		18.0	18.0	
Yellow Time (s)	4.0	4.0		4.0	4.0		4.0	4.0		4.0	4.0	
All-Red Time (s)	1.0	1.0		1.0	1.0		1.0	1.0		1.0	1.0	
Lost Time Adjust (s)		0.0			0.0			0.0			0.0	
Total Lost Time (s)		5.0			5.0			5.0			5.0	
Lead/Lag												
Lead-Lag Optimize?												
Vehicle Extension (s)	3.0	3.0		3.0	3.0		3.0	3.0		3.0	3.0	
Recall Mode	None	None		None	None		Max	Max		Max	Max	
Walk Time (s)	7.0	7.0		7.0	7.0					7.0	7.0	
Flash Dont Walk (s)	11.0	11.0		11.0	11.0					11.0	11.0	
Pedestrian Calls (#/hr)	0	0		0	0					0	0	
Act Effect Green (s)		26.9			26.9			18.4			18.4	
Actuated g/C Ratio		0.48			0.48			0.33			0.33	
v/c Ratio		0.74			0.79			0.18			0.29	
Control Delay		16.3			18.7			17.8			19.2	
Queue Delay		0.0			0.0			0.0			0.0	
Total Delay		16.3			18.7			17.8			19.2	
LOS		B			B			B			B	
Approach Delay		16.3			18.7			17.8			19.2	
Approach LOS		B			B			B			B	

### Intersection Summary

Area Type: Other

Cycle Length: 86

Actuated Cycle Length: 55.5

Natural Cycle: 60

Control Type: Actuated-Uncoordinated

Maximum v/c Ratio: 0.79

Intersection Signal Delay: 17.7

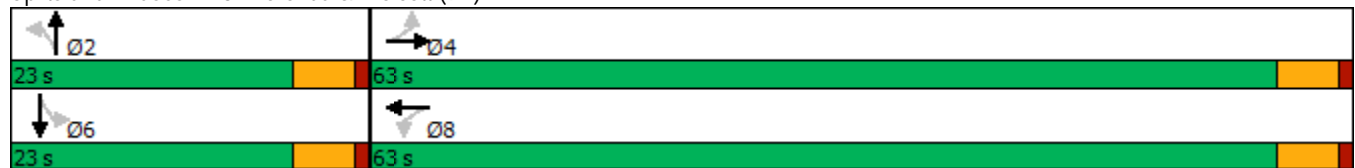
Intersection LOS: B

Intersection Capacity Utilization 56.1%

ICU Level of Service B

Analysis Period (min) 15

Splits and Phases: 3: Tioronda & Wolcott (9D)



ATTACHMENT B  
NYSDEC Correspondence and  
USFWS Official Species List

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# NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Fish and Wildlife, New York Natural Heritage Program  
625 Broadway, Fifth Floor, Albany, NY 12233-4757  
P: (518) 402-8935 | F: (518) 402-8925  
[www.dec.ny.gov](http://www.dec.ny.gov)

November 7, 2018

Deborah Hubbard  
The Chazen Companies  
21 Fox Street  
Poughkeepsie, NY 12601

Re: Chai Builders Multifamily Development and Office Building (formerly Beacon 248 Development)  
County: Dutchess    Town/City: City Of Beacon

Dear Ms. Hubbard:

In response to your recent request, we have reviewed the New York Natural Heritage Program database with respect to the above project.

We have no records of rare or state-listed animals or plants, or significant natural communities at the project site.

The project site is situated on Fishkill Creek. From just downstream of the project site to its mouth, Fishkill Creek is a designated significant concentration area for anadromous fish, including alewife and blueback herring. At the mouth of Fishkill Creek are several state-listed animals and plants, and significant brackish tidal marsh and brackish intertidal mudflats. We recommend that the project work be conducted so as to avoid significant impacts to the water quality of Fishkill Creek, including erosion and run-off of sediments, nutrients, and pollutants.

For most sites, comprehensive field surveys have not been conducted. We cannot provide a definitive statement on the presence or absence of all rare or state-listed species or significant natural communities. Depending on the nature of the project and the conditions at the project site, further information from on-site surveys or other resources may be required to fully assess impacts on biological resources.

For information regarding other permits that may be required under state law for regulated areas or activities (e.g., regulated wetlands), please contact the NYS DEC Region 3 Office, Division of Environmental Permits, at [dep.r3@dec.ny.gov](mailto:dep.r3@dec.ny.gov).

Sincerely,



Nicholas Conrad  
Information Resources Coordinator  
New York Natural Heritage Program



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## United States Department of the Interior

FISH AND WILDLIFE SERVICE  
New York Ecological Services Field Office

3817 Luker Road  
Cortland, NY 13045-9385

Phone: (607) 753-9334 Fax: (607) 753-9699

<http://www.fws.gov/northeast/nyfo/es/section7.htm>



In Reply Refer To:

September 10, 2018

Consultation Code: 05E1NY00-2018-SLI-3255

Event Code: 05E1NY00-2018-E-09923

Project Name: Chai Builders Proposed Multifamily Development and Office Building

Subject: List of threatened and endangered species that may occur in your proposed project location, and/or may be affected by your proposed project

### To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (ESA) of 1973, as amended (16 U.S.C. 1531 *et seq.*). This list can also be used to determine whether listed species may be present for projects without federal agency involvement. New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list.

Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the ESA, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC site at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list. If listed, proposed, or candidate species were identified as potentially occurring in the project area, coordination with our office is encouraged. Information on the steps involved with assessing potential impacts from projects can be found at: <http://www.fws.gov/northeast/nyfo/es/section7.htm>

Please be aware that bald and golden eagles are protected under the Bald and Golden Eagle Protection Act (16 U.S.C. 668 *et seq.*), and projects affecting these species may require development of an eagle conservation plan (<http://www.fws.gov/windenergy/>)

[eagle\\_guidance.html](#)). Additionally, wind energy projects should follow the Services wind energy guidelines (<http://www.fws.gov/windenergy/>) for minimizing impacts to migratory birds and bats.

Guidance for minimizing impacts to migratory birds for projects including communications towers (e.g., cellular, digital television, radio, and emergency broadcast) can be found at: <http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/towers.htm>; <http://www.towerkill.com>; and <http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/comtow.html>.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the ESA. Please include the Consultation Tracking Number in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List

## Official Species List

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

**New York Ecological Services Field Office**

3817 Luker Road

Cortland, NY 13045-9385

(607) 753-9334

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## Project Summary

Consultation Code: 05E1NY00-2018-SLI-3255

Event Code: 05E1NY00-2018-E-09923

Project Name: Chai Builders Proposed Multifamily Development and Office Building

Project Type: DEVELOPMENT

Project Description: The Applicant, Chai Builders Corp., proposes the redevelopment of the northern portion of the former Tuck Industries manufacturing site with a 64-unit multifamily residential development and a 25,400 square foot (SF) office building, with associated parking. A Greenway Trail for public use is proposed along the Fishkill Creek. The proposed development is contained almost entirely within the former Tuck Industries development area.

Project Location:

Approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/place/41.49552009435731N73.96812773240211W>



Counties: Dutchess, NY

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## Endangered Species Act Species

There is a total of 3 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries<sup>1</sup>, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

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1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

## Mammals

NAME	STATUS
Indiana Bat <i>Myotis sodalis</i> There is <b>final</b> critical habitat for this species. Your location is outside the critical habitat. Species profile: <a href="https://ecos.fws.gov/ecp/species/5949">https://ecos.fws.gov/ecp/species/5949</a>	Endangered
Northern Long-eared Bat <i>Myotis septentrionalis</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/9045">https://ecos.fws.gov/ecp/species/9045</a>	Threatened

## Clams

NAME	STATUS
Dwarf Wedgemussel <i>Alasmidonta heterodon</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/784">https://ecos.fws.gov/ecp/species/784</a> Species survey guidelines: <a href="https://ecos.fws.gov/ipac/guideline/survey/population/363/office/52410.pdf">https://ecos.fws.gov/ipac/guideline/survey/population/363/office/52410.pdf</a>	Endangered

## Critical habitats

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

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