



Consulting  
Engineers and  
Scientists

## Environmental Impact Evaluation Report Bozrah Sanitary Sewer Extension

Bozrah, Connecticut

**Submitted to:**

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Bozrah, CT 06334

**Submitted by:**

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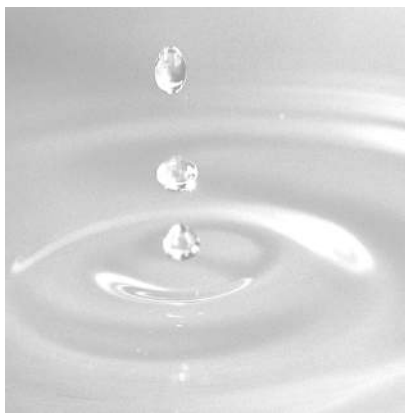
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Project 2001935

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# 1. Introduction

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This Environmental Impact Evaluation (EIE) will evaluate the proposed project to extend existing sanitary sewer mains located at the intersection of Route 32 and Route 87 in Franklin, Connecticut, along Route 87 to Stockhouse Road and the village section of Bozrah. The proposed sanitary sewer mains will run along commercial and industrial zoned land on Stockhouse Road, as well as in the high-density housing area in Fitchville village, adjacent to Fitchville Pond. The proposed sewer alignment will primarily follow alignments of existing roads. The recently completed Franklin Sewer extension at Route 32 will serve as the discharge location. The proposed alignment is shown in Fig. 1.

The Town of Bozrah acquired a Small Town Economic Assistance Program (STEAP) grant to use for the design of the sanitary sewer extension project. No state and/or federal grants or funding have been authorized at this time.

The Town of Bozrah is located in the southeastern part of Connecticut in New London County and encompasses 20.0 square miles of land. The majority of residences and businesses are served by septic systems.

The Town of Bozrah plans to enter into an intermunicipal agreement with the Town of Franklin and Norwich to discharge wastewater into the NPU collection system. This project encourages development consistent with both the Town Plan of Conservation and Development and the State Plan of Conservation and Development.

## 2. Proposed Action

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The proposed project consists of installing wastewater collection systems in the village section of Bozrah and ultimately connect via Stockhouse Road and Route 87 to the existing Town of Franklin collection system, located at the intersection of Routes 32 and 87. The location of the currently proposed sanitary sewer is depicted on Fig. 2.

The majority of the Town of Bozrah relies on on-site septic systems for wastewater management. Most of these systems were built in the 1980s or earlier. In the Fitchville village section many of the septic systems are over 60 years old; some serve multi-family housing. Small lot sizes, among other restraints, make most of the Village septic systems impracticable, if not impossible to repair to meet health department standards. Many of the septic systems may not meet current code and are approaching the end of their design life.

Bozrah plans to enter into an intermunicipal agreement with Franklin and Norwich to receive its wastewater. The proposed action includes constructing approximately 15,050 linear feet of gravity sanitary sewer, 4 pumping stations, and approximately 3,610 feet of sanitary sewer force main in the Town of Bozrah. The Franklin and Norwich systems have the capacity to accept the proposed approximately 200,000 gallons per day design flows from the proposed sanitary sewer service area.

### **3. Wastewater Alternatives**

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A. Take no action.

The “Take no action” water option was determined to not be acceptable due to the large number of parcels with private wells and several public water system parcels having outdated septic systems in need of replacing and water quality concerns. Many of the septic systems are over 60 years old and are impracticable or impossible to repair.

B. New sewer system with interconnection to Franklin.

An alternative design included connecting to the Town of Franklin at the intersection of Route 32 and Murphy Road. However, due to budget constraints, the Franklin sewer extension would not continue to the commercial and industrial properties on Murphy Road so the connection at this location was no longer feasible.

C. New sewer system with 3 pump stations.

Another alternative considered was to route the sewer parallel to the Yantic River. The analysis performed by Lenard Engineering indicated that although this alternative could eliminate one of the four sewer pump stations, it would ultimately add length to the sewer, border a floodplain and have a more significant potential environmental impact. Therefore, this option was not selected.

D. Community Septic System.

The final alternative considered by Lenard Engineering was to use subsurface disposal to discharge wastewater into the ground through a community septic system. The Town Park at the intersection of Fitchville Road and Stockhouse Road was considered as the discharge location. However, borings indicated that the presence of shallow bedrock and limited potential infiltration, make the construction of a subsurface sewage system infeasible.

E. Selected Wastewater Alternative.

Construction of the new sanitary sewer system extension that connects to the NPU system and discharges to the Norwich WPCF will provide a reliable solution for long-term wastewater management. This alternative will improve and protect the quality of groundwater and surface water in this area through the elimination of failing, or near failing septic systems. According to NPU, its sanitary sewer system has sufficient capacity to serve Bozrah’s current and potential future needs and a similar sanitary sewer service connection to NPU is already located in the Town of Franklin.

## 4. Project Cost and Benefits

The project cost estimate prepared by Lenard Engineering indicates that the estimated construction cost in 2020 is \$12.2 million. Table 1 provides a breakdown of total project costs, detailing engineering and construction cost estimates.

**Table 1. Estimated Project Costs**

Item	Estimated Quantity and Unit Measure	Price
1. Mobilization	1 LS	\$150,000
2. Water Pollution Control	1 LS	\$50,000
3. Catch Basin Protection and Sedimentation Control Systems	1 LS	\$50,000
4. Maintenance and Protection of Traffic		\$475,750
5. Paving and Bituminous Milling		\$1,512,150
6. Bituminous Overlaying and Road Maintenance		\$778,320
7. Conc. Sidewalk	10 SY	\$1,200
8. Saw Cutting	61640 LF	\$332,856
9. Bituminous Concrete Curbing Replacement		\$437,040
10. Sewer Main		\$1,931,880
11. Pump Station	4 EA	\$4,800,000
12. Railroad Crossing	1 EA	\$400,000
<b>Subtotal</b>		<b>\$10,919,196</b>
Rock-in-Trench Excavation, if encountered	770 CY	\$154,000
Remove unsuitable soil, replace with gravel fill, if encountered	500 CY	\$12,500
<b>Estimated Construction Cost</b>		<b>\$11,085,696</b>
<b>10% Contingency</b>		<b>\$1,108,570</b>
<b>Estimated Construction Cost with Contingency</b>		<b>\$12,194,266</b>

Note: Costs for the construction do not include Bozrah Street Extension (Segment 4A) and Fitchville Road, east of Bozrah Street Extension (Segment 4B) as shown on Fig. 2.

## 5. Certification, Permits, and Approvals

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The proposed project will require that the Town of Bozrah acquire certificates, permits, and/or approval for construction and operation. Table 2 presents some of the pertinent approvals that may be required for the proposed sanitary sewer extension project:

**Table 2. Certificates, Permits, & Approvals**

<b>Permits/Approval</b>	<b>Reviewer</b>
Planning and Zoning Permit	Town of Bozrah
Inland Wetlands Permit	Town of Bozrah
Water Pollution Control Authority Review	Town of Bozrah
Sanitary Sewer Connection Fee	Norwich Public Utilities
Project Consultation	Eastern Water Utility Coordinating Committee
Municipal Wastewater Section Review	Connecticut Department of Energy & Environmental Protection
Flood Management Certification	Connecticut Department of Energy & Environmental Protection
Stormwater Construction Permit	Connecticut Department of Energy & Environmental Protection
Construction Dewatering Permit (as necessary)	Connecticut Department of Energy & Environmental Protection
Encroachment Permit	Connecticut Department of Transportation
Route 87 Railroad Crossing License	New England Central Railroad (Formerly Central Vermont Railroad)



## **6. Connecticut Environmental Policy Act**

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The purpose of the Connecticut Environmental Policy Act (CEPA) is to identify and evaluate the impacts of proposed state actions that may significantly affect the project area. The process also provides opportunity for public review and comment. A CEPA review is required for each state agency action that could have a major impact on the state's land, water, air, or other environmental resources.

Impacts to the environment caused by the proposed project are evaluated in Section 7. Impacts to land use are discussed in Section 8, and other impacts (e.g., socioeconomic, energy) are discussed in Section 9.

If a potential exists for significant impact, an agency should solicit comments from the public and other state agencies to determine whether there are any special issues or concerns on the proposed action. This process is called the Notice of Scoping. This should be performed at an early point in the project planning to help ensure that it considers relevant environmental concerns in an adequate and timely manner.

The Town of Bozrah's Notice of Scoping for Bozrah Sanitary Sewer Extension project has not yet been posted on the Council of Environmental Quality (CEQ) website for public comment.

## 7. Environmental Impacts

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This Section identifies environmental receptors that may be affected:

- Directly by the proposed sanitary sewer extension project.
- Indirectly by allowing the parcels in the proposed and future service areas to connect to sanitary sewers.

Table 3 lists each parcel that abuts the proposed sanitary sewer extension project, along with information about existing use and environmental issues.

### 7.1 Environmental Impact Identification

The following environmental impact categories were considered for direct and indirect impacts:

- Air Quality
- Noise
- Water Quality
- Floodplains
- Wetlands
- Farmlands
- Cultural and Recreational Resources
- Threatened and Endangered Species

#### 7.1.1 Air Quality

The Clean Air Act (CAA) Amendments of 1990 authorized the U.S. Environmental Protection Agency (EPA) to establish standards, known as the National Ambient Air Quality Standards (NAAQS), which are considered harmful to the public and the environment. The CAA established two national air quality standards, including Primary and Secondary Standards. Primary Standards were established to set limits on harmful pollutants to protect the public and sensitive receptors (asthmatics, children, and the elderly). Secondary Standards were set to protect the public welfare by accounting for the effects of air pollution on the public welfare, which includes protection against impaired visibility, damage to animals, soil, vegetation, crops, buildings, and other aspects of the general welfare.

The EPA has established NAAQS for the following six “criteria air pollutants” in order to protect the health and welfare of the general public. These pollutants are listed below:

- Ozone
- Carbon monoxide
- Particulates (PM<sub>2.5</sub> and PM<sub>10</sub>)
- Sulfur dioxide
- Nitrogen dioxide
- Lead

According to the Connecticut Department of Energy & Environmental Protection (DEEP), the entire state is currently in attainment for all criteria air pollutants with the exception of ozone.

The proposed action will not cause any long-term direct impacts to air quality. Only a short-term direct impact is anticipated during the approximately 10-month construction period. Indirectly, the proposed action may result in future development construction projects that will also only have a short-term impact to air quality. Air quality impacts during construction would be limited to short term increases in fugitive dust, particulates, and localized pollutant emissions from construction vehicles and equipment while excavating.

### **7.1.2 Noise**

Section 22a-69 of the Connecticut General Statutes (CGS) gives DEEP the authority to develop, adopt, maintain, and enforce a comprehensive statewide program of noise regulation, including the following:

- Controls on environmental noise through the regulation and restriction of the use and operation of any stationary noise source.
- Ambient noise standards for stationary noise sources that, in the commissioner's judgement, are major sources of noise when measured from beyond the property line of such source.
- Consultation with state and local governmental agencies when such agencies adopt and enforce codes, standards, and regulations dealing with noise insulation and abatement for any occupancy or class of occupancy.
- Controls on airport and aircraft noise to the extent not preempted by federal law.

Section 22a-69-1 to 22a-6-7.4 of the Regulations of the Connecticut State Agencies (RCSA) set forth the statewide program of noise regulation. Class A noise zones include residential areas where human beings sleep or areas where serenity and tranquility are essential to the intended use of the land. Class B includes retail trade, personal business and legal services, educational institutions, government services, agricultural activities, and lands intended for such commercial or institutional uses. It also includes transportation, communications, and

utilities. Class C lands include manufacturing activities, transportation facilities, warehousing, military bases, mining, agriculture, or other lands associated with production uses.

Since the current extension project and associated service areas are located in a mixed-use area, the most stringent noise standards, Class A, apply. The current extension project will not cause any long-term direct impact to noise levels. A short-term direct impact to noise levels in the neighborhood is anticipated during the approximately 10-month construction period.

Mitigation of noise will be performed to Class A residential standards, which is discussed in Section 7.3.2

### **7.1.3 Water Quantity/Quality**

The sanitary sewer extension is expected to have a long-term beneficial impact on local surface water quality through the reduction of untreated wastewater discharges from individual septic system failures and their associated bacterial and nutrient loadings. Given that many of the septic systems are over 60 years old and not to current standards, it is inevitable that more failures from continued use are likely in the future. Connecting to the Franklin and Norwich sanitary sewer systems will eliminate the risk of surface discharges due to septic system failures, particularly surrounding Fitchville Pond and to a lesser extent the Yantic River. Installation of the proposed sanitary sewer main is not expected to impact water quality in local waterbodies/tributaries. No in-water work will be conducted.

Water quality may be influenced by both point and nonpoint sources of pollution. Point sources are well-defined, discrete locations such as sewage treatment plant discharges or combined sewer overflows. Nonpoint sources of pollution include storm drainage, surface runoff, erosion, and leachate from broader areas and human activities. The current extension project could negatively impact nearby surface water quality without proper mitigation measures during the construction period. Adherence to a Stormwater Pollution Prevention Plan (SWPPP), which will implement the use of erosion control devices such as silt fence, hay bales and catch basin silt sacks, will limit impact to wetlands

### **7.1.4 Floodplains**

CGS Chapter 476a Section 25-68 defines Connecticut Flood Management Act (FMA) requirements in the State of Connecticut. CGS Section 2568d requires all state funded projects to secure a certification of exemption if the project is located within or affects floodplains or natural man-made storm drainage facilities.

Sections 25-68h-1 through 25-68h-3 of the Regulations of the Connecticut State Agencies (RCSA) are the Connecticut floodplain management regulations. These regulations require

that a state agency certify that the activity is consistent with all applicable standards. These regulations require that a state agency certify that the activity is consistent with all applicable standards. This process is completed through a Flood Management Certification process administered by DEEP. In general, these regulations require that:

- New construction be performed free from flooding.
- New buildings are elevated above the base level flood elevation.
- No fill be placed in the floodplain that would raise the base flood elevation by 1 foot.
- On-site stormwater management shall be prepared to minimize any adverse increases to the peak flow rate, the timing of runoff, and the volume of runoff.

### **7.1.5 Traffic**

The current extension project and any resulting construction projects will not result in long-term impacts to traffic. Construction of the sanitary sewer extension project and any associated development projects in the service areas will temporarily increase traffic along Route 87, Stockhouse Road, and Fitchville Road. Short-term direct impact during the anticipated ten-month construction period will be mitigated as discussed in Section 7.3.

### **7.1.6 Public Health & Safety**

During construction, public health and safety must be a primary concern to avoid negative impacts. Mitigation to protect public health and safety is discussed in Section 7.3.

### **7.1.7 Inland Wetlands**

Section 404 of the Federal Clean Water Act (CWA) establishes a program to regulate the discharge of dredged or fill material into Waters of the United States (WOTUS), including wetlands. Regulated activities in WOTUS under this program include discharge of fill material for land development, water resource projects (such as dams and levees), infrastructure development (such as highways and airports), and mining projects. This regulatory program is administered by the United States Army Corps of Engineers (USACE). As defined in the Code of Federal Regulations (40 CFR 230.3), published 1986/1988, “Waters of the United States” is a broad term, which includes waters that are traditional navigable waters, interstate waters, territorial seas, impoundments of jurisdictional waters, covered tributaries, and covered adjacent waters. These waters include wetlands, ponds, lakes, seas, rivers, tributary streams (including definable intermittent waterways), and some ditches below the Ordinary High-Water Mark (OHWM).

The CT Inland Wetlands and Watercourse Act defines inland wetlands by soil type; the soil types are poorly drained, very poorly drained, alluvial, and floodplain. The Department of Energy and Environmental Protection (DEEP) has general definitions of these types of wetland soils:

- Alluvial and Floodplain soils occur along watercourses occupying nearly all level areas subject to periodic flooding. These soils are formed when material is deposited by flowing water. Such material can be composed of clay, silt, sand, or gravel. These soils range from being excessively drained to very poorly drained and, as such, some floodplain soils can be dry most of the year.
- Poorly drained soils occur where the water table is at or just below the ground surface, usually from late fall through early spring. The nearby landscape is typically nearly level or gently sloping.
- Very poorly drained soils generally occur on level land or in depressions. The water table lies at or above the surface during most of the growing season. Most marshes and bogs are located above these soils.

Typically, roadway utility installation projects impacting less than 5,000 acres of wetlands do not require review by the United State Army Corps of Engineers. Smaller inland wetlands are regulated by the Town of Bozrah Inland Wetlands and Conservation Commission (IWCC). If a proposed activity is in a wetland or watercourse or has the potential to adversely impact a wetland or watercourse, then an application form outlining the proposed project must be submitted to the Town of Bozrah IWCC. The Commission application form is shown in Appendix D.

According to the United States Fish and Wildlife Services (USFWS) National Wetlands Inventory (NWI) map, the following wetlands were identified within the project area:

- One freshwater pond habitat located south of Route 87 on the eastern end of the project area. Coded as PUBH (palustrine, unconsolidated bottom, permanently flooded).
- Two riverine habitats; Driscoll Brook, which flows across Stockhouse Road in the middle of the project area and Yantic River, which flows parallel to Stockhouse Road. Coded as R2UBH (Riverine, lower perennial, unconsolidated bottom, permanently flooded).
- Two freshwater emergent wetlands; one located north of Stockhouse Road and Driscoll Brook and the other flows across Stockhouse Road. Coded as PEM1E (Palustrine, emergent, persistent, seasonally flooded/saturated).

- One freshwater forested/shrub wetland located north of Stockhouse Road. Coded as PSS1E (Palustrine, scrub-shrub, broad-leaved deciduous, seasonally flooded/saturated).
- Unnamed intermittent stream that flows across Fitchville Road. Coded as R4SBC (Riverine, intermittent, streambed, seasonally flooded).
- One Freshwater forested/shrub wetland located in between Stockhouse Road and Fitchville Road. Coded as PFO1A (palustrine, forested, broad-leaved deciduous, temporary flooded).
- Fitchville Pond located in the southwest corner of the project area. Coded as L1UBHh (Lacustrine, Limnetic, unconsolidated bottom, permanently flooded, diked/impounded).

Wetlands boundaries for the current extension project will be flagged by a certified wetlands soils scientist prior to construction.

Adherence to a Stormwater Pollution Prevention Plan (SWPPP), which will implement the use of erosion control devices such as silt fence, hay bales and catch basin silt sacks, will limit impact to wetlands. The SWPPP will not be finalized until the wetlands flagging is complete. Impact to wetlands will also be mitigated by any other means deemed necessary by the Town of Bozrah IWCC.

### **7.1.8 Farmland**

Farming and agriculture are significant land uses in the Town of Bozrah. As shown in Fig. 4 approximately 120 existing parcels in the area adjacent to the sewer expansion and within the alignment have been identified as having agricultural lands. Majority of these parcels are already fully developed with commercial, industrial and residential land uses. Very few are undeveloped or are currently being used as agricultural fields.

There will be a small indirect impact on existing and potential farmland located within the sanitary sewer area associated with the current extension project. However, the sewer expansion project will be within roadways and previously disturbed areas.

### **7.1.9 Cultural and Recreational Resources**

The State Preservation Office (SHPO) provides a database of Connecticut properties designated as National Historic Landmarks; historic properties located in the Town of Bozrah are provided in Table 4. Published information on the SHPO database was reviewed, with one location identified within the project area: the Bozrah Congregational Church and Parsonage located at 17 and 23 Bozrah Street.

The nearest recreational resource is Camp Odetah, which is private recreational land, located on Bozrah Street Extension, directly south of the project area limits. This camp will be served by the proposed sewer extension.

The area where construction activities are proposed has been disturbed by past development of paved roads and other utility installation. There is no immediate sensitivity to these resources.

### **7.1.10 Threatened and Endangered Species**

The current extension project area and associated service areas slightly overlap with DEEP mapped Natural Diversity Data Base (NDDDB) areas in the southwest corner of the proposed sewer extension project. Fig. 6 shows the DEEP-mapped NDDDB areas for the town of Bozrah. A request for NDDDB State Listed Species Review form (Appendix B) has been submitted to DEEP to see if species are present that could be impacted by the project and how to avoid potential harm to the species.

The NDDDB Determination Number for this project is 202010487 and the correspondence with DEEP is included in Appendix C. DEEP identified one state-listed species, the wood turtle (*Glyptemys insculpta*), that are documented nearby and may occur in our work areas. Wood turtles are riverine and riparian obligates, overwintering and mating in primarily sand-gravel and rock bottomed streams and foraging in riparian zones, fields, and upland forests during the late spring and summer. They hibernate in the banks of the river in submerged tree roots between November 1 and March 31.

The sewer expansion will be within roadways and previously disturbed areas and is not anticipated to have an impact to the species. In the short-term during the construction period the following protection measures will help minimize risk to turtles between April 1 – October 31:

- The work crew must be made aware of the species description and possible presence.
- The immediate area where heavy equipment will be used each day should be searched for turtles before starting work using mechanical equipment.
- Any turtles found during work should be moved out of the way. This animal is protected by law and should never be taken off site.
- Work conducted during early morning and evening hours should occur with special care not to harm basking individuals.



- In areas where silt fence is used for exclusion, it shall be removed as soon as the area is stable, and disturbance is finished to allow for reptile and amphibian passage to resume.

Land disturbance and excavation confined to the upland (greater than 10 meters from a waterway) can be done without risk for impact to wood turtles if it is restricted to the dormant season (November 1 – March 31).

## **7.2 Irreversible Commitment of Resources**

The implementation of this project will consume nonrenewable resources during the construction of the sanitary sewer extension (i.e., construction supplies, fuel, etc.). Since these resources cannot be reused, they are considered to be irreversibly and irretrievably committed. Additionally, the irreversible and irretrievable expenditure of approximately \$12.2 million is expected for the construction of the proposed sanitary sewer extension.

After construction, maintenance and labor resources will be required long term to operate and maintain the system.

There will be no irreversible or irretrievable impact to wild and scenic rivers, coastal zone management, endangered species, aesthetics, traffic, noise, air quality, water quality/quantity, or the above-referenced resources.

## **7.3 Mitigation Measures**

The following mitigation measures will be taken to minimize the impacts discussed in Section 7.1.

### **7.3.1 Air Quality**

All construction equipment should be properly maintained and outfitted with emission reducing exhaust equipment and a Stormwater Pollution Prevention Plan (“SWPPP”) will be adhered to. The SWPPP will implement the use of erosion control devices such as silt fencing, hay bales, and catch basin silt sacks to limit the presence of fugitive dust.

### **7.3.2 Noise**

Contractors will be required to make reasonable efforts to limit the impacts of construction noise to nearby properties and adhere to Class A noise standards. Such efforts typically include restriction of work to daytime hours, proper maintenance of sound-muffling equipment, and advance notice of construction activities to nearby properties.

### **7.3.3 Water Quantity/Quality**

The current sanitary sewer extension project requires a construction stormwater general permit from DEEP, which will outline the specific best management practices to be utilized. Private wells located near the proposed sewer will be shown on the project construction plans. The plans and specifications must be submitted to DEEP and DPH for review and approval prior to construction.

According to DPH, pump stations, grinder pumps, sanitary sewer manholes, and cleanouts are considered to be sources of pollution that require the maximum separating distance to public water supply wells pursuant to RCSA Section 19-13-B51(d). Sanitary sewer piping and joints may be allowed to be closer if it can be demonstrated to DPH that the piping and joints are sound enough to prevent leakage. Separating distances are dependent on the withdrawal rate of the well; therefore, the noted public water systems should be contacted during the design phase to verify the withdrawal rate of their public drinking water supply wells in order to ensure that they are appropriately protected from sanitary encroachments. All of Stockhouse Road and Fitchville Road are served by public water mains (Norwich Public Utilities).

The nearest public water supply well is a non-transient non-community system; the primary source of supply is from groundwater. The system's name is Hillandale Farm, CT, LLC located at 17 Schwartz Road, Bozrah, CT, about 0.4 miles west of the western most extent of the proposed sewer system.

Adherence to a SWPPP, which will implement the use of erosion control devices such as silt fence, hay bales, and catch basin silt sacks, will limit impact to water quality from construction. All proposed sewer main construction is to take place within existing roadways that have been previously disturbed.

Eliminating existing older on-site septic systems in the service areas will eliminate the risk of groundwater contamination, and potential leaching into adjacent Fitchville Pond.

### **7.3.4 Floodplains**

The full extent of the impacts of the current extension project to floodplains will be evaluated during the DEEP Flood Management Certification process. Mitigation measures will be required to minimize the impacts.

Adherence to a SWPPP and implementation of erosion control devices will limit impact to floodplains.

### **7.3.5 Traffic**

During construction of the proposed sewer extension, the contractor will be required to submit a traffic mitigation plan to the Town of Bozrah. This plan should include the maintenance of one-way traffic at all times, displaying adequate signage to warn approaching drivers, and the use of flaggers to route traffic around the construction work zone.

### **7.3.6 Public Health & Safety**

During construction, the contractor will require the use of personal protective equipment and other safety measures such as trench boxes during active excavation. During off-construction hours, trenches will be covered with metal plates.

### **7.3.7 Inland Wetlands**

The design of the current extension project incorporates measures to minimize impacts to wetlands. Portions of the proposed sanitary sewer and water mains will be installed adjacent to, but not cross, wetland boundaries. Construction techniques will be used to minimize potential impacts to wetlands. Any impacts will be temporary and associated with construction.

Adherence to a SWPPP, which will implement the use of erosion control devices such as silt fence, hay bales, and catch basin silt sacks, will limit impact to nearby wetlands.

### **7.3.8 Farmland**

The sewer expansion will be within roadways and previously disturbed areas and is not anticipated to have a direct impact to prime farmland soils within the project area. Fig. 5 shows farmland of statewide importance and prime farmland soils mapped adjacent to the sewer expansion and within the alignment. However, the sewer expansion project will be within roadways and previously disturbed areas.

## **8. Impacts to Land Use**

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### **8.1 State C&D Plan Growth Management Principles**

The Office of Policy Management prepared the State Conservation and Development Policies: The Plan for Connecticut in 2013 to provide a policy and planning framework that will influence the future growth and development of Connecticut towns. There are six growth management principles that are the foundation of the State C&D Plan and are listed below.

1. Redevelop and Revitalize Regional Centers and Areas with Existing or Currently Planned Physical Infrastructure.
2. Expand Housing Opportunities and Design Choices to Accommodate a Variety of Household Types and Needs.
3. Concentrate Development Around Transportation Nodes and Along Major Transportation Corridors to Support the Viability of Transportation Options.
4. Conserve and Restore the Natural Environment, Cultural and Historical Resources, and Traditional Rural Lands.
5. Protect and Ensure the Integrity of Environmental Assets Critical to Public Health and Safety.
6. Promote Integrated Planning Across all Levels of Government to Address Issues on a Statewide, Regional, and Local Basis.

The proposed sewer extension will support existing development and negligible growth in areas of conservation and preservation designations is anticipated as a result of the project.

### **8.2 Regional Plan of Conservation and Development**

The Southeastern Connecticut Council of Governments (SCCOG) created a Regional Plan of Conservation and Development in 2017 to serve as a blueprint for the Council and its member municipalities, which includes the Town of Bozrah, to follow.

One of the goals of the SCCOG Plan is to implement reliable utilities services that meet the future needs of the region and can withstand potential natural hazards. The sanitary sewer extension project creates more reliable wastewater infrastructure and replaces the aging septic systems.

The 2013 – 2018 State C&D Plan Locational Guide Map was reviewed to determine if the proposed sanitary sewer main will be located in any areas of concern. Fig. 8 shows that the proposed sanitary sewer will be located within the priority and balanced funding areas and will not impact undeveloped conservation areas.

## 9. Other Impacts

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### 9.1 Energy Conservation and Consumption

Energy consumption during the construction period is not anticipated to be significant and will primarily consist of power needed for construction vehicles and to produce the necessary construction materials.

After construction, the necessary energy expenditures will be to power the pumping stations and likely a slight increase at the NPU facility for handling and processing the wastewater from the Bozrah sewer extension.

### 9.2 Socioeconomic and Environmental Justice

The addition of sanitary sewers and water mains to the area will likely positively impact the potential socioeconomic growth. As depicted on Fig. 7, the proposed sanitary sewer and water service areas are mainly zoned commercial and industrial and can support additional potential growth populations. Some areas of the sewer extension project could extend into residential areas.

The Town of Bozrah believes that by providing favorable conditions in the already commercial and industrial zoned areas for growth, it will allow the remainder of Bozrah to keep its rural character, with a mixture of residential, farmland and open space land. The sanitary sewer extension project will be consistent with both the Town Plan of Conservation and Development and the State Conservation and Development Plan.

The 2018 – 2023 State C&D Plan Locational Guide Map was reviewed to determine if the proposed or future sanitary sewer and water service areas will be located in any areas of concern. Fig. 8 shows that the proposed and future sanitary sewer areas will mainly be located within the priority and balanced funding areas. It appears that some of the project area may encroach on conservation areas.

According to the United States Environmental Protection Agency's Environmental Justice Screening and mapping tool (EJScreen), the Town of Bozrah is not considered a minority or low-income community. The proposed sanitary sewer and water main extension project will not pose any disproportionately high, adverse human health or environmental effects to minority and low-income populations. The proposed sanitary sewer and water main extension will benefit the users in the proposed and future service areas by reducing the impact of septic systems on local groundwater, and the accompanying water main extension will eliminate the need for wells.

# Tables

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**Table 3. Bozrah Service Area Parcel Data**

Town of Bozrah  
Bozrah, Connecticut

No.	M-B-L	Location	Owner Name	Property Zone	Area (acres)	Prime Farmland Soils	Statewide Important Farmland Soils	Flood Zones	Parcel Details
1	53-45-4	18 Lebanon Rd	Hook Elizabeth L	C-1	2.3		Yes	Zone AE	Developed, Single Family Home
2	53-45-58	19 Lebanon Rd	Adelman Family LLC	C-2	3.6	Yes		Zone X	Commercial, Warehouse
3	53-44-1	37 Lebanon Rd	Adelman Family LLC	C-2	3.5			NA	Commercial, Vacant
4	53-44-3	45 Lebanon Rd	Adelman Family LLC	C-2	18.8	Yes		NA	Commercial, Industrial/Office
5	53-45-1	36 Lebanon Rd	Denis Ernest G	C-1	0.27		Yes	NA	Developed, Single Family Home
6	53-45-2	Lebanon Rd	Adelman Family LP	C-1	2.01		Yes	NA	Commercial, Vacant
7	53-45-3	22 Lebanon Rd	JSC Properties LLC	C-1	2.58	Yes		NA	Thames Valley Academy of Gymnastics
8	13-04/064	36 Lebanon Rd	Denis Ernest G + Hermaine A	I-30	2		Yes	NA	Developed, Single Family Home
9	13-04/060	38 Lebanon Rd	Barber Douglas	I-30	3.1	Yes	Yes	NA	Vacant
10	53-44-2	41 Lebanon Rd	A J & L Properties LLC	C-2	2.2			NA	Commercial, Warehouse
11	53-44-4	47 Lebanon Rd	Adelman Family LP	C-2	2.59			NA	Commercial, Pre-Eng Warehouse
12	13-04/063	44 Lebanon Rd	Greenbriar Prperties, LLC	I-30	1		Yes	NA	Michelle's Barber Shop
13	13-04/062	46 Lebanon Rd	Greenbriar Prperties, LLC	I-30	1		Yes	NA	Michelle's Barber Shop
14	13-04/012	50 Lebanon Rd	Coleman Drilling & Blasting Inc	I-30	2.2	Yes	Yes	NA	Coleman Drilling & Blasting Inc
15	13-04/061-A	127 Stockhouse Rd	Federal National Mortgage Association	I-30	0.7	Yes		NA	Developed, Single Family Home
16	13-04/061	125 Stockhouse Rd	Jacobs Debra A	I-30	1.2	Yes		NA	Developed, Single Family Home
17	13-04/058	6 Rachel Dr	JD Brothers Holdings LLC	I-30	5.13	Yes	Yes	NA	Developed, Single Family Home
18	13-04/059	121 Stockhouse Rd	Laguerre Schela M	I-30	0.6	Yes		NA	Developed, Single Family Home
19	13-04/011-01	6 Commerce Park Rd	Hendricks Commercial Properties LLC	I-30	3	Yes	Yes	NA	ABC Supply
20	13-04/011-2&3	8 Commerce Park Rd	Commerce-Bozrah Park Inc	I-30	4.04	Yes		NA	Superior Recycling
21	13-04/011-4&5	1 Commerce Park Rd	Gilman Realty Associates LLC	I-30	3.75	Yes		NA	Gilman Gear
22	13-04/057-02-5	Rachel Dr	Adelman Family Limited Partnership	I-80	3.14	Yes	Yes	NA	Collins and Jewel Company
23	13-04/010	116 Stockhouse Rd	Stanley Rose	I-80	0.3	Yes		NA	Asphalt Paving
24	13-04/009	112 Stockhouse Rd	Messier David P LLC	I-80	6.6	Yes	Yes	NA	Commodity Carriers
25	13-04/057-02-2	1 Rachel Dr	D J Commercial Realty LLC	I-80	4.54	Yes	Yes	Zone X	Commercial/Industrial
26	13-04/057-02-3	2 Rachel Dr	Monomoy Investments LLC	I-80	1.87	Yes		NA	Commercial/Industrial
27	13-04/057-02	3 Rachel Dr	D J Commercial Realty LLC	I-80	18.76	Yes		NA	Undeveloped/Parking Lot
28	13-04/057-02-4	4 Rachel Dr	Catnic Investments LLC	I-80	1.88	Yes		NA	Bozrah Automotive Repair
29	13-04/057-03	99 Stockhouse Rd	Jm Paz CT LLC	I-80	11.74	Yes	Yes	Zone AE	Xylem Dewatering Solutions
30	13-04/006	80 Stockhouse Rd	Airgas Merchant Gases, LLC	I-80	82	Yes	Yes	NA	Cryogenic Transportation
31	13-04/008	94 Stockhouse Rd	The Bozrah Light + Power Company	I-80	1	Yes		NA	The Bozrah Light + Power Company, Substation
32	13-04/007	86 Stockhouse Rd	Adelman Seymour	I-80	1.6	Yes		NA	Fire department equipment supplier
33	13-04/057-01	93 Stockhouse Rd	Genkin Corp	I-80	3.2	Yes	Yes	Zone X	North American Van Lines, Sterling Moving & Storage
34	13-04/057	89 Stockhouse Rd	Cheric Distributors LLC	I-80	3.23	Yes		NA	Commercial/Industrial
35	13-04/056-01	81 Stockhouse Rd	Thames Valley Council For Community	I-80	2.7	Yes	Yes	NA	Commercial/Industrial
36	13-04/056-02	Stockhouse Rd	Town Of Bozrah	I-80	7.75		Yes	Zone AE	Undeveloped/Parking Lot
37	13-04/020	46 Stockhouse Rd	Zejak Realty, LLC	HC	6.37	Yes	Yes	Zone X	Mid City Steel
38	13-04/024	66 Stockhouse Rd	Roberts Scott D	I-80	1.6		Yes	Zone X	Developed, Single Family Home
39	13-04/024-A	64 Stockhouse Rd	Frechette Debra	I-80	1		Yes	Zone X	Developed, Single Family Home
40	13-04/023-A	60 Stockhouse Rd	JDK LLC	I-80	1.1		Yes	Zone X	Kennedy Sheet Metal Co
41	13-04/023	58 Stockhouse Rd	JDK LLC	I-80	1.1		Yes	Zone X	Kennedy Sheet Metal Co



**Table 3. Bozrah Service Area Parcel Data**  
**Town of Bozrah**  
**Bozrah, Connecticut**

No.	M-B-L	Location	Owner Name	Property Zone	Area (acres)	Prime Farmland Soils	Statewide Important Farmland Soils	Flood Zones	Parcel Details
42	13-04/022	56 Stockhouse Rd	Creative Properties LLC	HC	1.2		Yes	Zone X	Creative Enclosures
43	13-04/021	52 Stockhouse Rd	52 Stockhouse Road Realty LLC	I-80	1.4		Yes	Zone X	Developed, Single Family Home
44	13-04/056	Stockhouse Rd	Town Of Bozrah	HC	1		Yes	Zone AE	Undeveloped
45	13-04/018	Stockhouse Rd	State Of Connecticut	I-80	1.02	Yes	Yes	Zone AE	Undeveloped
46	13-04/019-A	40 Stockhouse Rd	46 Stockhouse Road Realty LLC	I-80	14.51	Yes		NA	Mid City Steel
47	13-04/017-01	33 Stockhouse Rd	Digangi Real Estate, LLC	CD	1.91	Yes		Zone AE	Bozrah Collision Center
48	13-04/017-02	25 Stockhouse Rd	Adelman Family Limited Partnership	CD	1.91			Zone AE	Six Paca Farm
49	13-04/017-03	15 Stockhouse Rd	Triple T Enterprises LLC	CD	1.94			Zone AE	United Glass & Mirror
50	13-04/017-04	7 Stockhouse Rd	Adelman Seymour	CD	1.84			Zone AE	Undeveloped/Vacant
51	13-04/017-05	Stockhouse Rd	Town Of Bozrah	CD	1.36	Yes		Zone X	Undeveloped/Vacant
52	13-07/024	12 Stockhouse Rd	Dns Group LLC	RU-1	1.5	Yes		NA	Developed, Warehouse
53	13-07/027	2 Stockhouse Rd	Gebbie Family LLC	CD	1	Yes		NA	Residential
54	13-07/026	213 Fitchville Rd	Soper Mark W And Soper Darlene	CR	0.8	Yes		NA	Residential
55	13-07/025	215 Fitchville Rd	Sayles Jr John C	CD	0.3	Yes		NA	Residential
56	13-07/023	227 Fitchville Rd	Town Of Bozrah	CD	3.49	Yes		NA	Developed, Parking Lot
57	13-07/023-B	239 Fitchville Rd	Bozrah Volunteer Fire Co	CD	1	Yes		NA	Bozrah Fire Department
58	13-03/037	2 Brush Hill Rd	Shiff David & Ina M Revocable Living Tru	CD	2.7	Yes		NA	Developed, Single Family Home
59	13-03/036	305 Fitchville Rd	Murphy John E + Caroline M	CD	8	Yes		NA	Developed, Single Family Home
60	13-03/035	309 Fitchville Rd	Sullivan Brian	CD	0.3	Yes		NA	Developed, Single Family Home
61	13-03/034	313 Fitchville Rd	Mitchell Francis D + Margaret J	CD	0.3	Yes		NA	Developed, Single Family Home
62	13-03/033	317 Fitchville Rd	Keramidas Felicia And Ruffing Justin	CD	1	Yes		NA	Developed, Single Family Home
63	13-07/001	300 Fitchville Rd	Casey3 Enterprises LLC	R-2	2.3	Yes		Zone AE	Developed, Residential
64	13-07/001-B	Fitchville Rd	Rogan Dennis P	R-2	2.4			Zone X	Undeveloped/Vacant
65	13-07/001-C	290 Fitchville Rd	Rogan Susan C + Rogan Elena M	R-2	2	Yes		Zone X	Developed, Single Family Home
66	13-07/003	272 Fitchville Rd	Macauliffe Maureen	RU-1	0.4	Yes		NA	Developed, Single Family Home
67	13-07/001-A	276 Fitchville Rd	Neuendorf Richard E & Elaine S	R-2	1.2	Yes		Zone X	Developed, Single Family Home
68	13-07/002	280 Fitchville Rd	Gross Kerry	RU-1	0.54	Yes		NA	Developed, Single Family Home
69	13-07/005	260 Fitchville Rd	Labonne Christopher J	RU-1	0.2	Yes		NA	Developed, Single Family Home
70	13-07/006	26 River Rd	Zieber Rick I	R-2	0.5	Yes		Zone X	Developed, Single Family Home
71	13-07/008	22 River Rd	Roberts Sr Ronald A	R-2	0.4	Yes		Zone X	Developed, Single Family Home
72	13-07/007	256 Fitchville Rd	Pires Luis & Palmira	RU-1	0.2	Yes		NA	Developed, Single Family Home
73	13-07/009	252 Fitchville Rd	Preston Richard L	RU-1	0.2	Yes		NA	Developed, Single Family Home
74	13-07/010	18 River Rd	Newman Tina L	R-2	0.8	Yes		Zone X	Developed, Single Family Home
75	13-07/022	27 River Rd	Hoelck Frank & Hansen Cecile	R-2	0.5	Yes		Zone X	Developed, Single Family Home
76	13-07/021	25 River Rd	Woodworth Patricia	R-2	0.4	Yes		Zone X	Developed, Single Family Home
77	13-07/020	19 River Rd	Williams Brandon And Williams Jennifer	R-2	0.5	Yes		Zone X	Developed, Single Family Home
78	13-07/019	15 River Rd	Marshall Catherine J	R-2	0.4	Yes		Zone X	Developed, Single Family Home
79	13-07/018	11 River Rd	Perrone Ross A Sr Etal	R-2	0.2	Yes		Zone AE	Developed, Single Family Home
80	13-07/017	7 River Rd	Arsenault Michele	R-2	0.2	Yes		Zone AE	Developed, Single Family Home
81	13-07/017-A	3 River Rd	Arsenault Joseph	R-2	0.4	Yes		Zone AE	Developed, Single Family Home
82	13-07/028	River Rd	Town Of Bozrah	R-2	0.03	Yes		NA	Bozrah Town Hall

**Table 3. Bozrah Service Area Parcel Data**

Town of Bozrah  
Bozrah, Connecticut

No.	M-B-L	Location	Owner Name	Property Zone	Area (acres)	Prime Farmland Soils	Statewide Important Farmland Soils	Flood Zones	Parcel Details
83	13-07/016	1 River Rd	Town Of Bozrah	R-2	1	Yes		NA	Bozrah Town Hall
84	13-07/030	210 Fitchville Rd	Fleming Reuben B+ Marcia P	R-2	0.4	Yes		Zone X	Single Family Residential
85	13-07/031	Fitchville Rd	Bozrah Water Works Inc	R-2	0.9	Yes		Zone X	Bozrah Dam
86	13-07/015	216 Fitchville Rd	Jello Barbara A	R-2	0.2	Yes		NA	Single Family Residential
87	13-07/014-A	222 Fitchville Rd	Carden Betty J	R-2	0.2	Yes		NA	Single Family Residential
88	13-07/014	224 Fitchville Rd	Butler Christopher Lee	R-2	0.2	Yes		NA	Single Family Residential
89	13-07/013	228 Fitchville Rd	Geerens Sebastien C And Bailey Rachel L	R-2	0.2	Yes		NA	Single Family Residential
90	13-07/012	234 Fitchville Rd	Cecil Marcus P And Cecil Elena R	R-2	0.2	Yes		NA	Single Family Residential
91	13-07/011	240 Fitchville Rd	Braus Beverly	R-2	0.2	Yes		NA	Single Family Residential
92	13-07/032	Bozrah St Ext	Fitchville Baptist	R-2	1	Yes		NA	Fitchville Baptist Church
93	13-07/043	8 Bozrah St Ext	Town Of Bozrah	R-2	6.36	Yes	Yes	NA	Fields Memorial School
94	13-07/033	3 Bozrah St Ext	Fitchville Baptist	R-2	0.2	Yes		NA	Church
95	13-07/034	9 Bozrah St Ext	Onsager John W + Beverly J	R-2	0.6	Yes		NA	Single Family Residential
96	13-07/041	12 Bozrah St Ext	Walsh Terry A	R-2	1.36	Yes	Yes	NA	Undeveloped/Vacant
97	13-07/040	14 Bozrah St Ext	Connors Sarah E	R-2	1.2	Yes	Yes	NA	Single Family Residential
98	13-07/039	18 Bozrah St Ext	Main Timothy M	R-2	3	Yes	Yes	NA	Single Family Residential
99	13-07/035	23 Bozrah St Ext	Rogan Susan C & Rogan Elena M	R-2	5.2	Yes		NA	Undeveloped/Vacant
100	13-07/036	Bozrah St Ext	Rogan Dennis	R-1	0.3	Yes		NA	Undeveloped/Vacant
101	13-04/025	199 Fitchville Rd	Lavorato Joyce	CD	0.2	Yes		Zone AE	Residential
102	13-04/026	197 Fitchville Rd	Gebbie Darwin C	CD	1	Yes		NA	Residential
103	13-04/027	195 Fitchville Rd	Gebbie Darwin C	CD	1	Yes		Zone AE	Residential
104	13-04/028	193 Fitchville Rd	Gebbie Darwin C	CD	1.6	Yes	Yes	Zone AE	Residential
105	13-04/029	191 Fitchville Rd	Wade Kenneth & Wade Sukanya	R-2	1	Yes	Yes	Zone AE	Residential
106	13-04/030	189 Fitchville Rd	Gamache Deborah Ann & Leslie Paul	R-2	1.5	Yes	Yes	Zone AE	Residential
107	13-04/031	187 Fitchville Rd	Fitchville Home LLC	CD	1	Yes		NA	Fitchville Retirement Home
108	13-04/032	185 Fitchville Rd	Pianka Glenn S	CD	4.28		Yes	Zone AE	Residential
109	13-04/033	181 Fitchville Rd	Goldstein Ronald A & Bruce L	I-80	1	Yes		NA	U.S. Postal Service
110	13-04/032-01	179 Fitchville Rd	177 Fitchville Road LLC	I-80	3.32	Yes	Yes	Zone AE	Undeveloped/Vacant
111	13-07/044	Bozrah St Ext	Town Of Bozrah	R-2	8.8	Yes		NA	Undeveloped/Vacant
112	13-04/069	194 Fitchville Rd	194 Fitch LLC	I-80	1	Yes	Yes	NA	Pledge Property Management
113	13-04/070	192 Fitchville Rd	Gebbie Darwin C	I-80	0.45	Yes		NA	Residential
114	13-04/071	190 Fitchville Rd	St Johns Roman Catholic	I-80	1	Yes		NA	St Johns Roman Catholic Church
115	13-04/072	188 Fitchville Rd	188 Fitchville Road LLC	I-80	1.3	Yes	Yes	NA	Auto Repair Shop
116	13-04/073	184 Fitchville Rd	184 Fitch LLC	I-80	1.7		Yes	NA	Residential
117	13-04/074	180 Fitchville Rd	Condell LLC	I-80	7.7		Yes	NA	UPS Customer Center
118	13-04/075	178 Fitchville Rd	178 Fitchville Rd LLC	I-80	1	Yes		NA	Residential
119	13-04/076-D	17 Goulart Dr	King Thomas O & Susan B	I-80	5.24			NA	Residential
120	13-04/077	172 Fitchville Rd	Smith Terrence K + Catherine	R-2	2.7			NA	Residential
121	13-04/078	164 Fitchville Rd	Newman Thomas H & Beth A	R-2	1.3			NA	Residential
122	13-04/079	160 Fitchville Rd	Farmer Kurt J And Farmer Miranda K	R-2	0.79			NA	Residential
123	13-04/034	171 Fitchville Rd	Carpenter Realty Corporation	I-80	2	Yes		Zone X	Marrotte Trucking LLC

**Table 3. Bozrah Service Area Parcel Data**  
**Town of Bozrah**  
**Bozrah, Connecticut**

No.	M-B-L	Location	Owner Name	Property Zone	Area (acres)	Prime Farmland Soils	Statewide Important Farmland Soils	Flood Zones	Parcel Details
124	13-04/035	169 Fitchville Rd	Montgomery Joseph R & Patricia	R-2	1.1	Yes		Zone AE	Single Family Residential
125	13-04/036	167 Fitchville Rd	Olenick William B	R-2	1	Yes		Zone AE	Single Family Residential
126	13-04/037	165 Fitchville Rd	Pelletier Aaron & Goodwin Hannah	R-2	1.3	Yes		Zone AE	Single Family Residential
127	13-04/038	2 Elaine St	2 Elaine Street LLC	R-2	0.1	Yes		NA	Single Family Residential
128	13-04/043	1 Elaine St	Bakowski Kimberly Ann	R-2	0.39	Yes		NA	Single Family Residential

Notes:

Flood Zone AE - 100-Yr Floodplain, Or Area That Has 1% Probability Of Flooding Every Year.

Flood Zone X - 500-Yr Floodplain, Or Area That Has 0.2% Probability Of Flooding Every Year.

NA - Not Applicable

**Table 4. National Historic Landmarks**

**Town of Bozrah  
Bozrah, Connecticut**

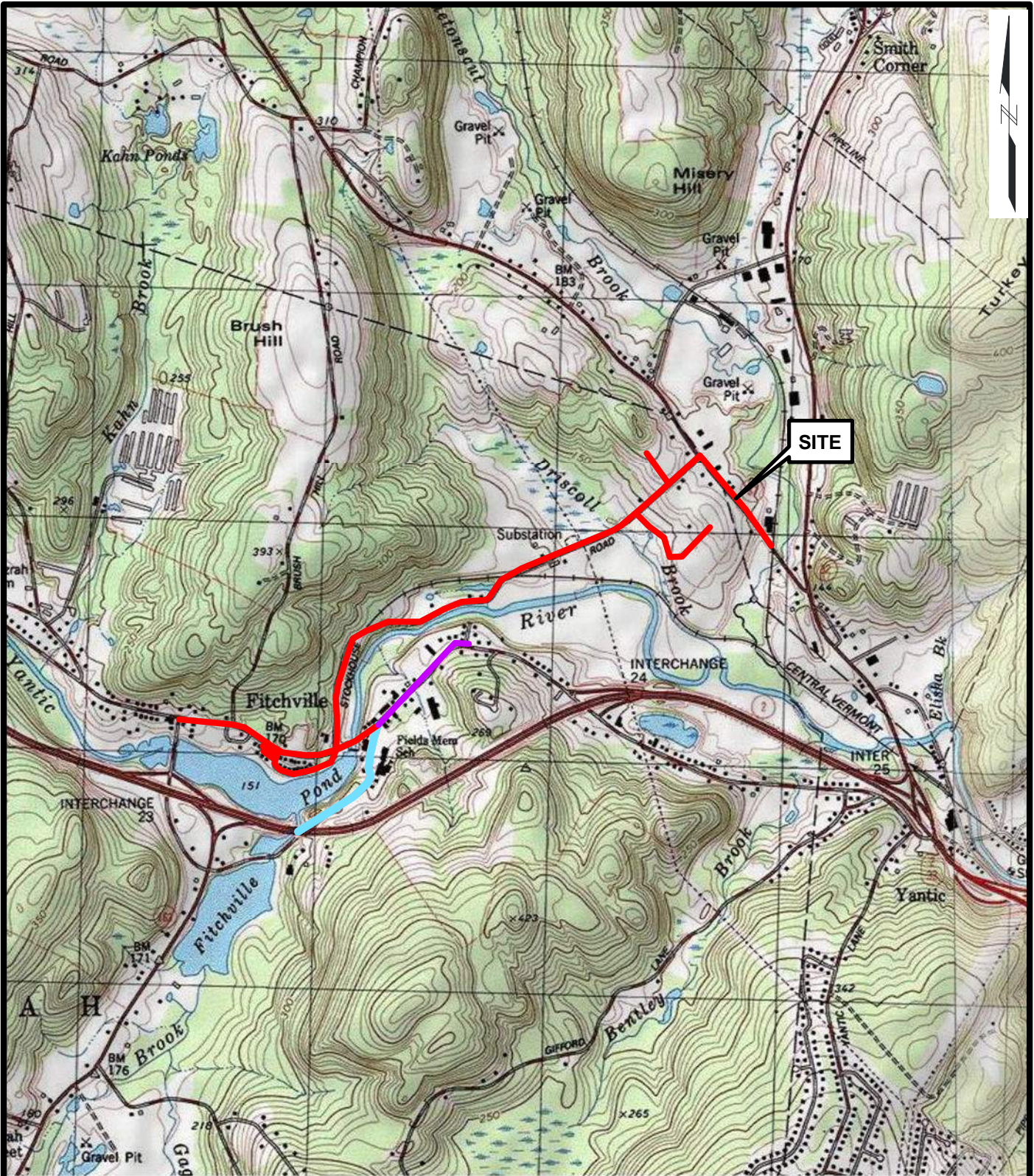
Unique ID	Property Name	Street Number	Sec_StreetNum	Street Name	Construction ID	Style Type	District Name
27362	Boarding House			Gilman Rd.	1800'S Late		
27363	Bozrah Baptist Church			Town Green	1860		
27364	Bozrah Congregational Church	17	17, 23	Bozrah St.	1843	Greek Revival	
27365	Fitch, Asa, Homestead			Fitchville	1800	Federal	
27366	Gager, Capt. Samuel, House			Gager Hill	1816 (1818?)	Colonial	
27367	Gilman School			Gilman Rd.	1800'S Early		
27368	Ironworks			Fitchville	1750		
27369	Leffingwell House			South Rd., Rt. 82	1710-1720	Saltbox	
27370	Leffingwell, Lt. Thomas, House			Old Salem Rd.	1680-90	Saltbox	
27371	Mill Housing In Gilman			Vicinity Gilman	1860'S		
27372	Palmer Factory				1886	Renaissance Revival	
27373	St. John'S Catholic Church			Fitchville Rd.	1893	Gothic Revival	Fitchville Historic District
27374	Gilman One-Room School			Gilman Rd.	1800'S Late		
27375	School				1860 Circa		
27376	Bozrah Congregational Church Parsonage	17	17, 23	Bozrah St.	1872		
27377	Fitchville Union Congregational Church	1		Bozrah St. Extension	1852	Vernacular	Fitchville Historic District
27378	Grist Mill	3		Bozrah St. Extension	1830 Circa		Fitchville Historic District
27379	Fitchville School			Bozrah St. Extension	1855	Gothic Revival	Fitchville Historic District
27380		9		Bozrah St. Extension	1920 Circa	Federal	Fitchville Historic District
27381	Garage	9		Bozrah St. Extension	1920 Circa		Fitchville Historic District
27382	Shed	9		Bozrah St. Extension	1900 Circa		Fitchville Historic District
27383		12		Bozrah St. Extension	1960 Circa		Fitchville Historic District
27384		14		Bozrah St. Extension	1900 Circa	Vernacular	Fitchville Historic District
27385		18		Bozrah St. Extension	1935 Circa	Colonial Revival	Fitchville Historic District
27386		181		Fitchville Rd.	1960		Fitchville Historic District
27387		184		Fitchville Rd.	1935 Circa	Colonial Revival	Fitchville Historic District
27388	Chicken Coop	184		Fitchville Rd.	1910 Circa		Fitchville Historic District
27389		185		Fitchville Rd.	1850 Circa	Vernacular	Fitchville Historic District
27390	Barn	185		Fitchville Rd.	19Th Century Late		Fitchville Historic District
27391	Shed	185		Fitchville Rd.	19Th Century Late		Fitchville Historic District
27392	Fitchville Home	187		Fitchville Rd.	1947		Fitchville Historic District
27393		188		Fitchville Rd.	1900 Circa		Fitchville Historic District
27394		191		Fitchville Rd.	1880 Circa	Vernacular	Fitchville Historic District
27395	Shed	191		Fitchville Rd.	1900 Circa		Fitchville Historic District
27396	Garage	191		Fitchville Rd.	1950 Circa		Fitchville Historic District
27397		192		Fitchville Rd.	1890 Circa	Vernacular	Fitchville Historic District
27398	Palmer Boarding House	193		Fitchville Rd.	1885 Circa		Fitchville Historic District
27399	Garage	193		Fitchville Rd.	1980 Circa		Fitchville Historic District
27400	Palmer Bros. Store	194		Fitchville Rd.	1885 Circa		Fitchville Historic District
27401	Fitch Boarding House	195		Fitchville Rd.	1869 Circa		Fitchville Historic District
27402	World War I Memorial			Fitchville Rd. & Bozrah St. Extension			Fitchville Historic District
27403		197		Fitchville Rd.	1870 Circa	Vernacular	Fitchville Historic District
27404	Shed	197		Fitchville Rd.	1920 Circa		Fitchville Historic District
27405		199		Fitchville Rd.	1850 Circa	Vernacular	Fitchville Historic District

**Table 4. National Historic Landmarks**  
**Town of Bozrah**  
**Bozrah, Connecticut**

Unique ID	Property Name	Street Number	Sec_StreetNum	Street Name	Construction ID	Style Type	District Name
27406	Garage	199		Fitchville Rd.	1920 Circa		Fitchville Historic District
27407	First Fitch House	210		Fitchville Rd.	1790 Circa	Colonial	Fitchville Historic District
27408	Garage	210		Fitchville Rd.	1920 Circa		Fitchville Historic District
27409	Fitch Servants' Quarters	213		Fitchville Rd.	1840 Circa	Greek Revival	Fitchville Historic District
27410	Fitch Carriage House	213		Fitchville Rd.	1850 Circa		Fitchville Historic District
27411	Root Cellar/Grotto	213		Fitchville Rd.	1850 Circa		Fitchville Historic District
27412	World War I Memorial			Fitchville Rd.	1949		Fitchville Historic District
27413		216	216-218	Fitchville Rd.	1885 Circa	Greek Revival	Fitchville Historic District
27414		220	220-222	Fitchville Rd.	1885 Circa	Greek Revival	Fitchville Historic District
27415	Garage	220	220-222	Fitchville Rd.	1930 Circa		Fitchville Historic District
27416		224	224-226	Fitchville Rd.	1885 Circa	Greek Revival	Fitchville Historic District
27417		228	228-230	Fitchville Rd.	1885 Circa	Greek Revival	Fitchville Historic District
27418	Garage	228	228-230	Fitchville Rd.	1930 Circa		Fitchville Historic District
27419		234	234-236	Fitchville Rd.	1885 Circa	Greek Revival	Fitchville Historic District
27420	Garage	234	234-236	Fitchville Rd.	1930 Circa		Fitchville Historic District
27421		240	240-242	Fitchville Rd.	1885 Circa	Greek Revival	Fitchville Historic District
27422	Barn	240	240-242	Fitchville Rd.	1900 Circa		Fitchville Historic District
27423		252	252-254	Fitchville Rd.	1910 Circa	Colonial Revival	Fitchville Historic District
27424		256	256-258	Fitchville Rd.	1910 Circa	Colonial Revival	Fitchville Historic District
27425		260	260-262	Fitchville Rd.	1910 Circa	Colonial Revival	Fitchville Historic District
27426	Garage	260	260-262	Fitchville Rd.	1950 Circa		Fitchville Historic District
27427	Fitch Social Hall & Firehouse	1		River Rd.	1840 Circa		Fitchville Historic District
27428		3	3-5	River Rd.	1890 Circa	Vernacular	Fitchville Historic District
27429		7	7-9	River Rd.	1890 Circa	Vernacular	Fitchville Historic District
27430		11	11-13	River Rd.	1890 Circa	Vernacular	Fitchville Historic District
27431		15	15-17	River Rd.	1890 Circa	Vernacular	Fitchville Historic District
27432		18	18-20	River Rd.	1890 Circa	Vernacular	Fitchville Historic District
27433		19	19-21	River Rd.	1890 Circa	Vernacular	Fitchville Historic District
27434	Garage	19		River Rd.	1980 Circa		Fitchville Historic District
27435		22	22-24	River Rd.	1890 Circa	Vernacular	Fitchville Historic District
27436		23	23-25	River Rd.	1890 Circa	Vernacular	Fitchville Historic District
27437		26	26-28	River Rd.	1890 Circa	Vernacular	Fitchville Historic District
27438	Garage	26	26-28	River Rd.	1930 Circa		Fitchville Historic District
27439		27	27-29	River Rd.	1890 Circa	Vernacular	Fitchville Historic District
27440	Fitch Mansion	2		Stockhouse Rd.	1840 Circa	Greek Revival	Fitchville Historic District
27441	Fitchville Dam And Pond				1840 Circa		Fitchville Historic District

# Figures

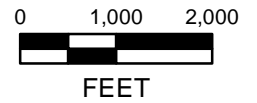
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**SOURCE:**

USGS TOPOGRAPHIC MAP FITCHVILLE QUADRANGLE  
 ACCESSED VIA ARCGIS ONLINE SERVICES.

- Proposed Sewer Extension
- Segment 4A
- Segment 4B



Environmental Impact Evaluation Report  
 Bozrah Sanitary Sewer Extension Project  
 Bozrah, Connecticut



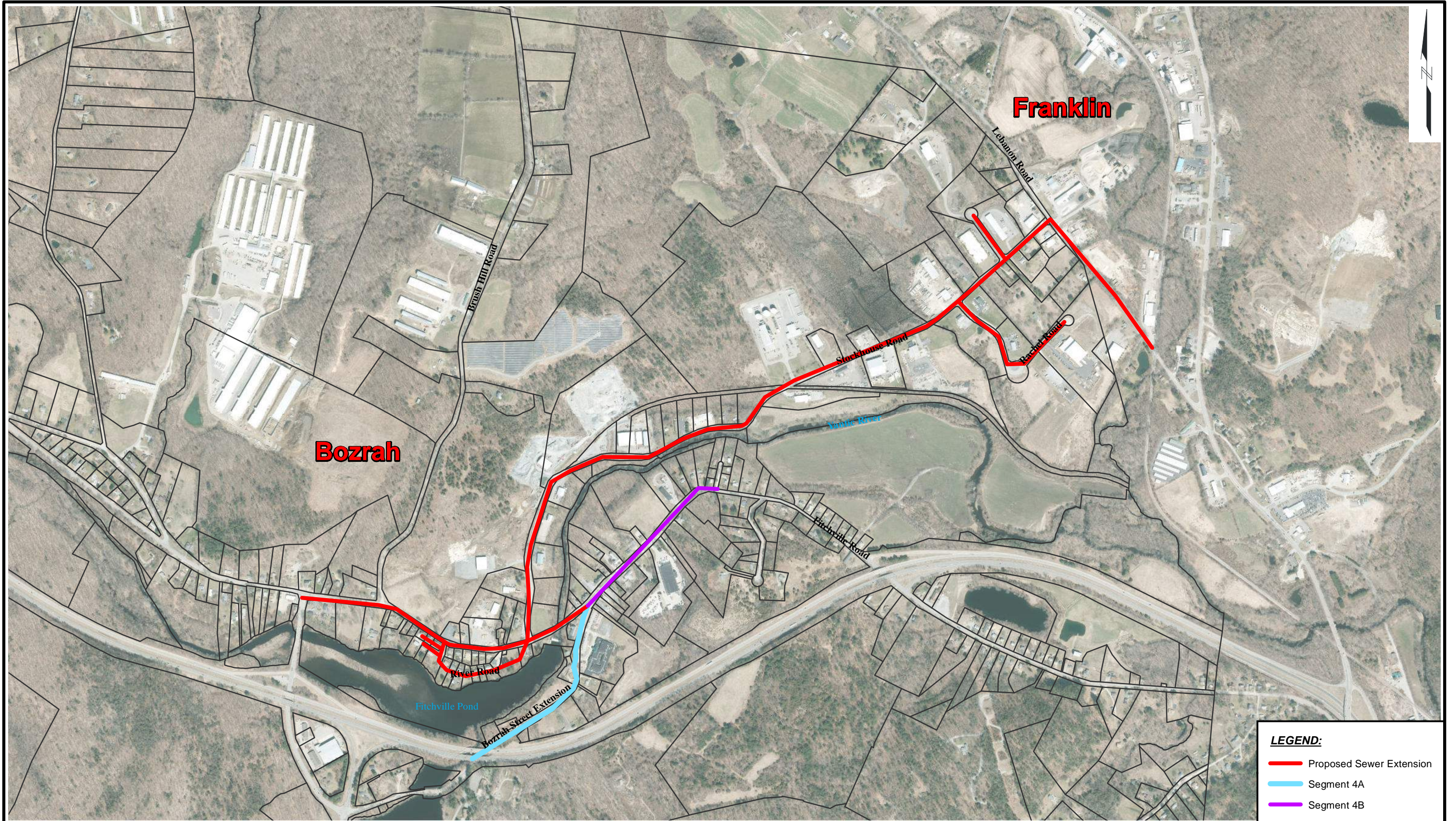
SITE LOCATION MAP

Town of Bozrah  
 Bozrah, Connecticut

Project 2001935

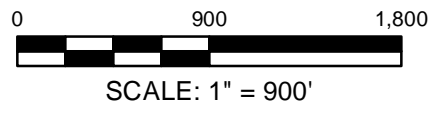
May 2022

Fig. 1



**LEGEND:**

- Proposed Sewer Extension
- Segment 4A
- Segment 4B



**SOURCES:**  
 1. ESRI WORLD IMAGERY LAYER, IMAGERY DATE: 3/28/2019.  
 2. PARCELS APPROXIMATE FROM CTDEEP GIS DATA.

Environmental Impact Evaluation Report  
 Bozrah Sanitary Sewer Extension Project  
 Bozrah, Connecticut

Town of Bozrah  
 Bozrah, Connecticut

**GEI**   
 Consultants

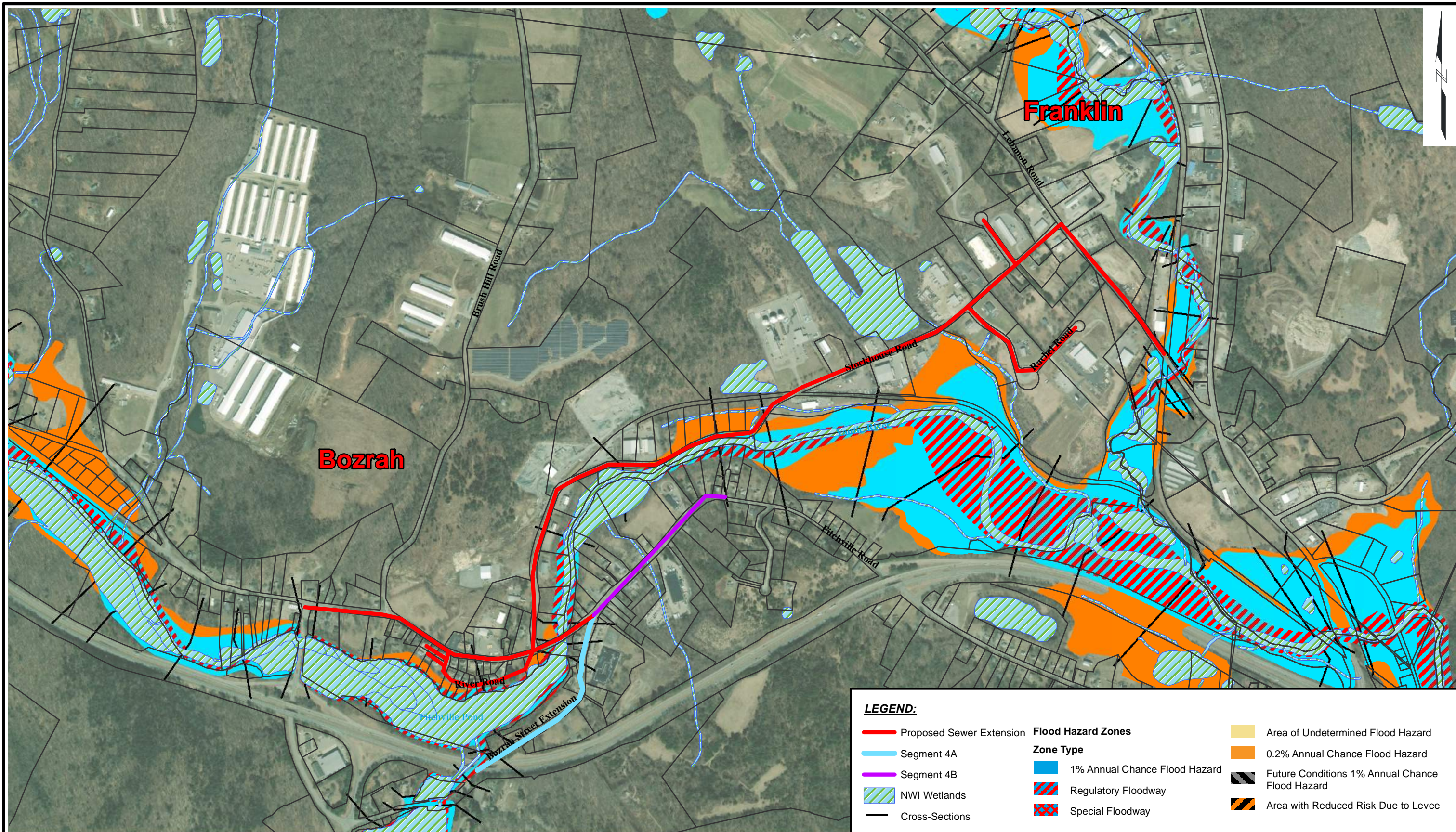
Project 2001935

SITE PLAN

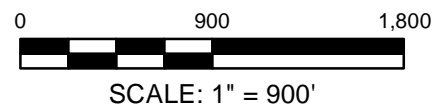
May 2022

Fig. 2





**SOURCES:**  
 1. ESRI WORLD IMAGERY LAYER, IMAGERY DATE: 3/28/2019.  
 2. PARCELS APPROXIMATE FROM CTDEEP GIS DATA.



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 Bozrah Sanitary Sewer Extension Project  
 Bozrah, Connecticut

Town of Bozrah  
 Bozrah, Connecticut

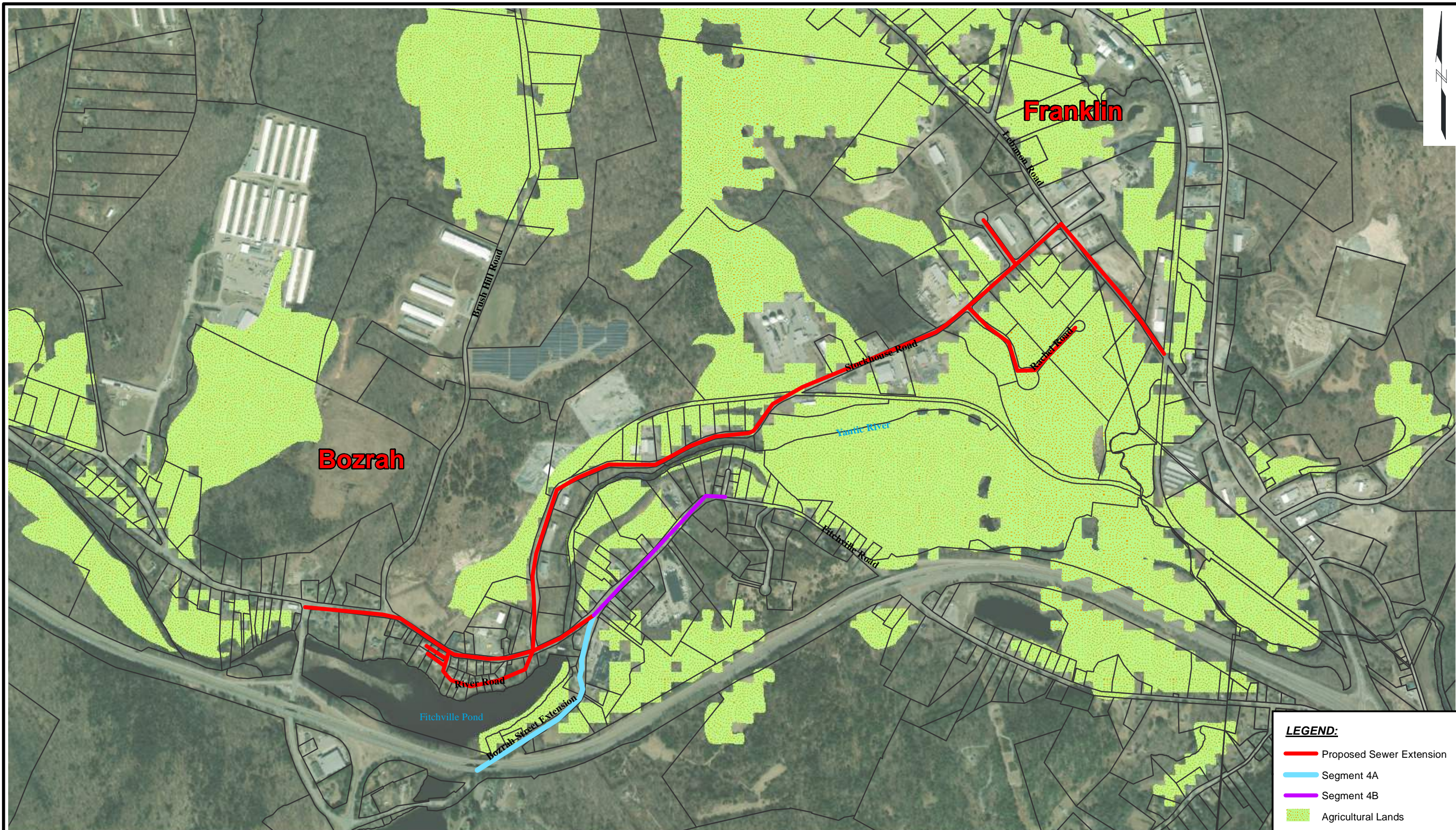


FEMA FLOODPLAINS  
 AND NWI WETLANDS

Project 2001935

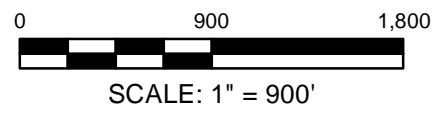
May 2022

Fig. 3



**LEGEND:**

- Proposed Sewer Extension
- Segment 4A
- Segment 4B
- Agricultural Lands



**SOURCES:**  
 1. ESRI WORLD IMAGERY LAYER, IMAGERY DATE: 3/28/2019.  
 2. PARCELS APPROXIMATE FROM CTDEEP GIS DATA.

Environmental Impact Evaluation Report  
 Bozrah Sanitary Sewer Extension Project  
 Bozrah, Connecticut

Town of Bozrah  
 Bozrah, Connecticut

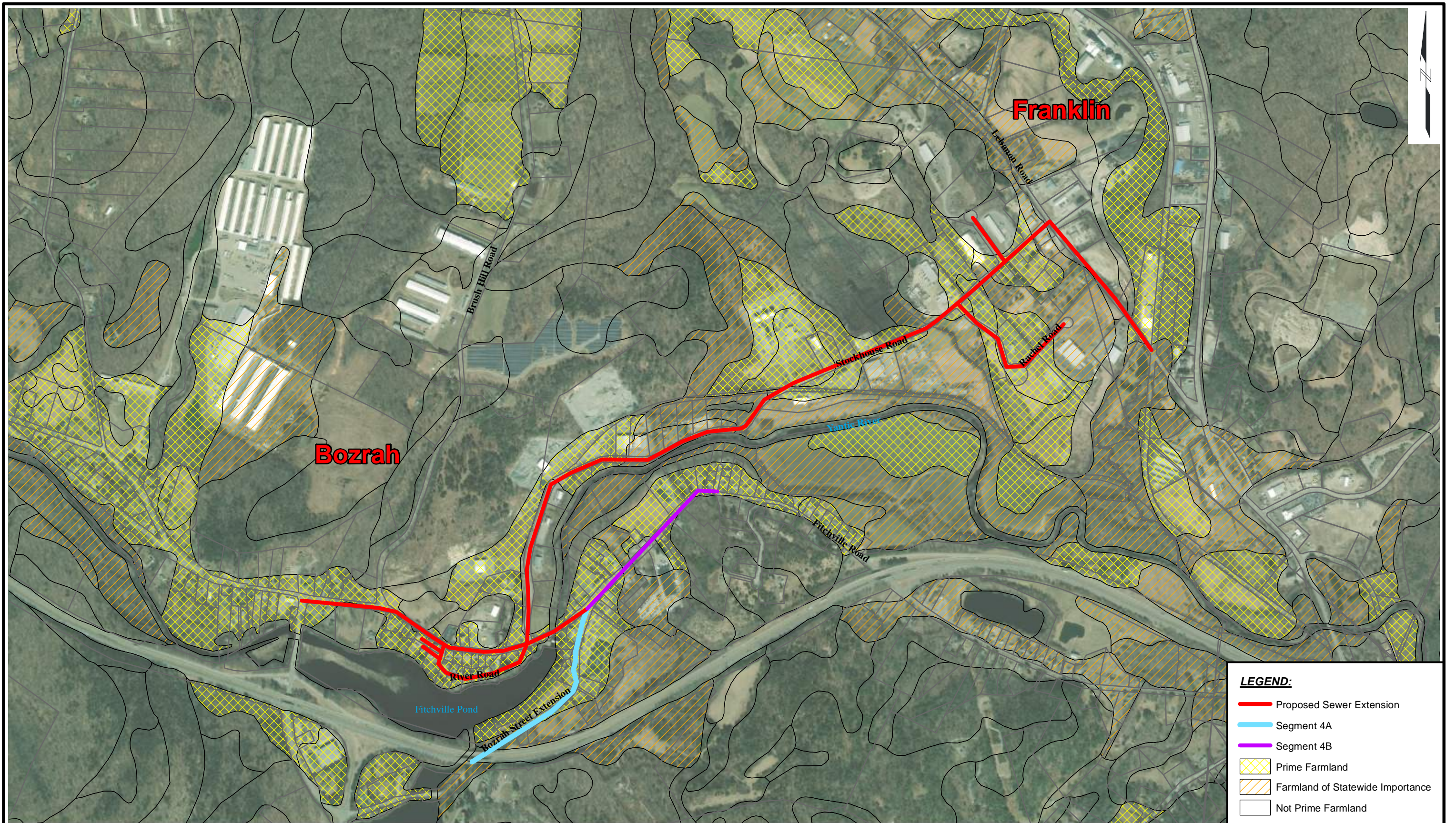
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**EXISTING AGRICULTURAL LANDS**

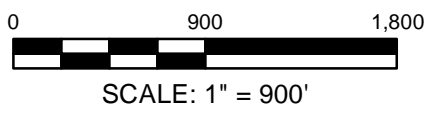
May 2022

Fig. 4



**LEGEND:**

- Proposed Sewer Extension
- Segment 4A
- Segment 4B
- Prime Farmland
- Farmland of Statewide Importance
- Not Prime Farmland



**SOURCES:**  
 1. ESRI WORLD IMAGERY LAYER, IMAGERY DATE: 3/28/2019.  
 2. PARCELS APPROXIMATE FROM CTDEEP GIS DATA.

Environmental Impact Evaluation Report  
 Bozrah Sanitary Sewer Extension Project  
 Bozrah, Connecticut

Town of Bozrah  
 Bozrah, Connecticut

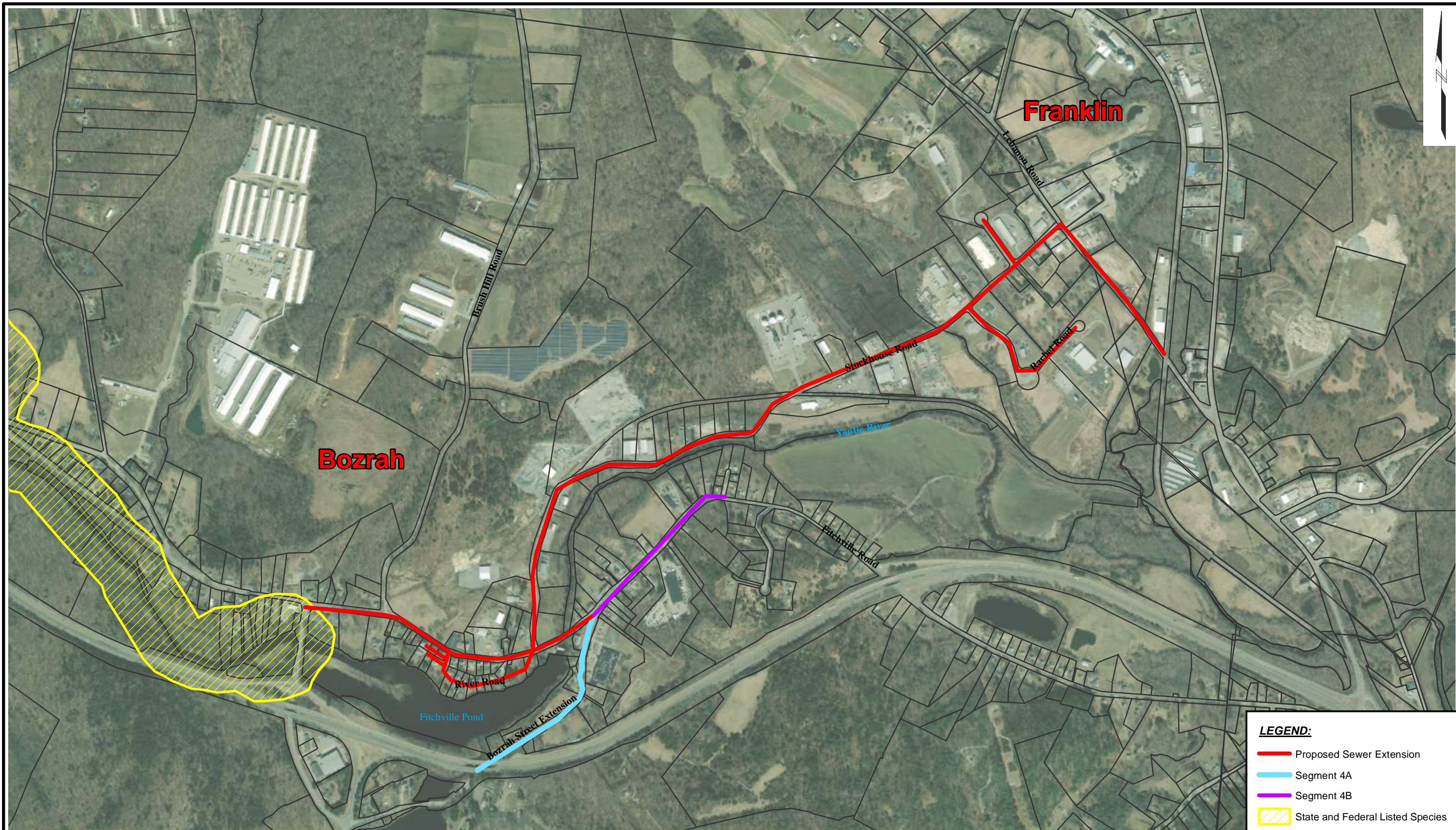
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**FARMLAND SOILS MAP**

May 2022

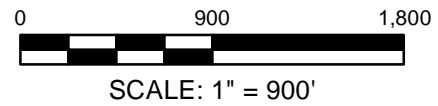
Fig. 5



**LEGEND:**

- Proposed Sewer Extension
- Segment 4A
- Segment 4B
- State and Federal Listed Species

**SOURCES:**  
 1. ESRI WORLD IMAGERY LAYER, IMAGERY DATE: 3/28/2019.  
 2. PARCELS APPROXIMATE FROM CTDEEP GIS DATA.



Environmental Impact Evaluation Report  
 Bozrah Sanitary Sewer Extension Project  
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 Bozrah, Connecticut



Project 2001935

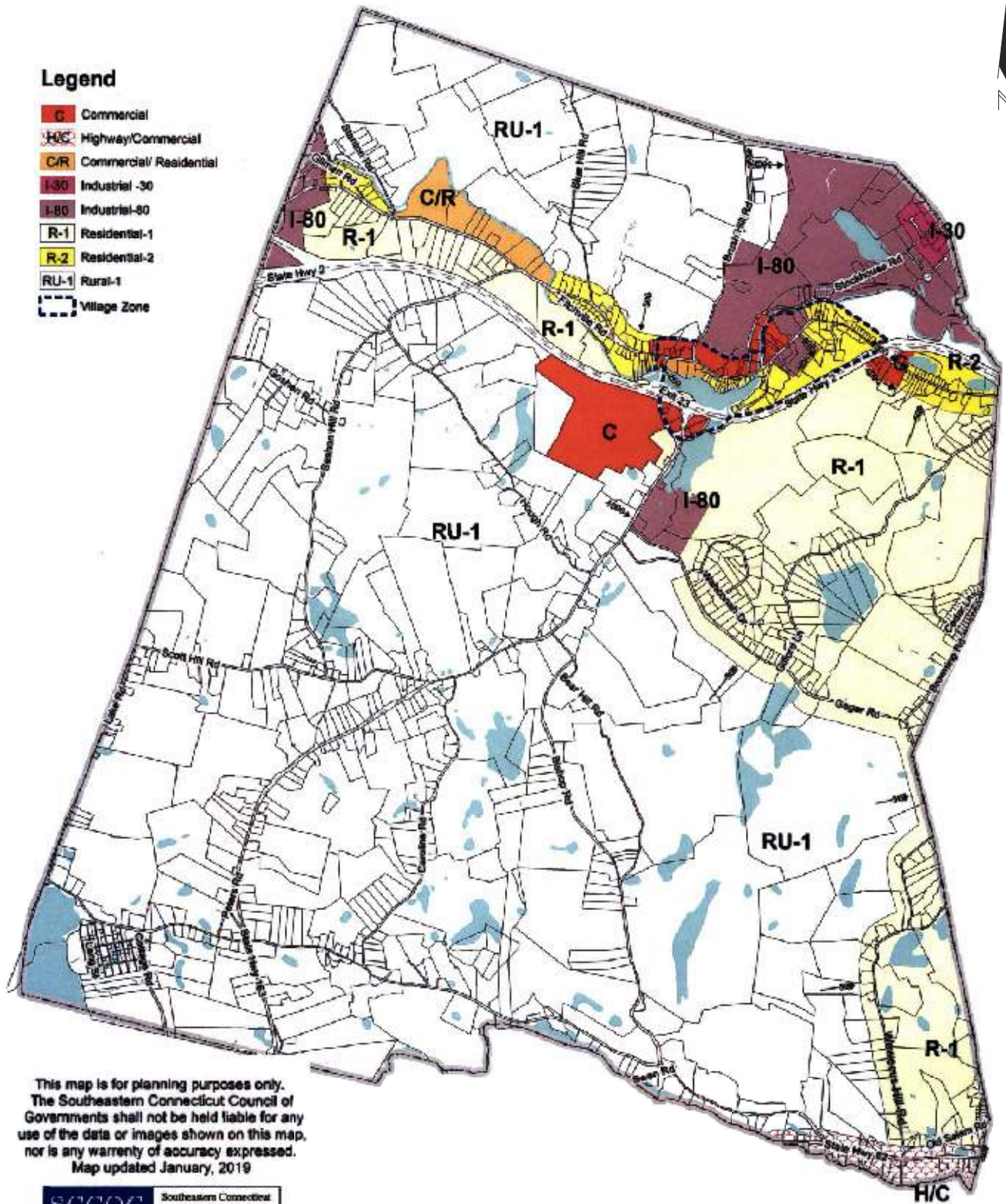
NATURAL DIVERSITY  
 DATABASE AREAS

May 2022

Fig. 6

**Legend**

- C Commercial
- H/C Highway/Commercial
- C/R Commercial/ Residential
- I-30 Industrial -30
- I-80 Industrial-80
- R-1 Residential-1
- R-2 Residential-2
- RU-1 Rural-1
- Village Zone



This map is for planning purposes only.  
 The Southeastern Connecticut Council of Governments shall not be held liable for any use of the data or images shown on this map, nor is any warranty of accuracy expressed.  
 Map updated January, 2019



SCALE: 1" = 0.75 Miles

**SOURCE:**  
 Southeastern Connecticut Council of Governments.

Environmental Impact Evaluation Report  
 Bozrah Sanitary Sewer Extension Project  
 Bozrah, Connecticut

Town of Bozrah  
 Bozrah, Connecticut

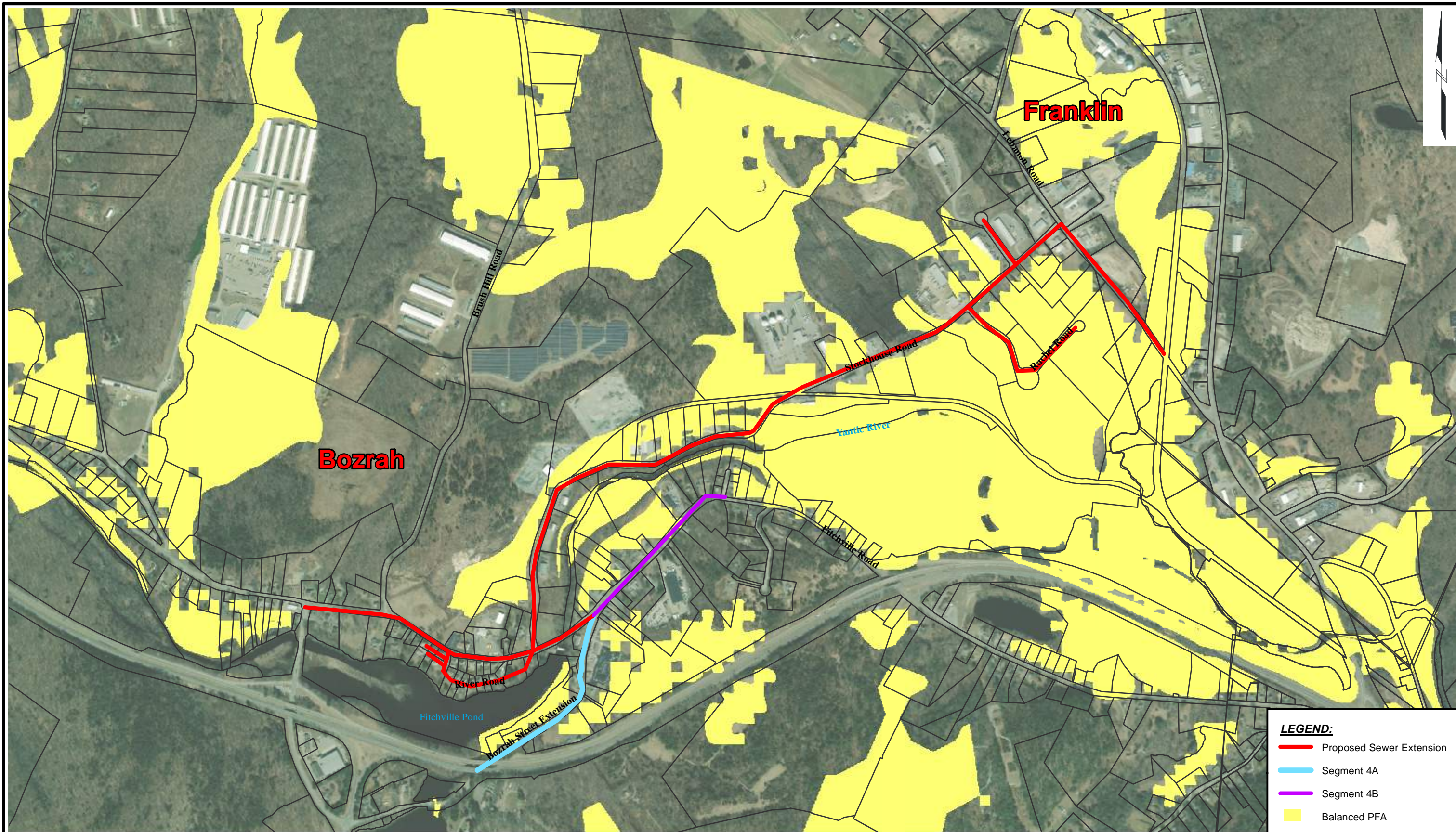


Project 2001935

BOZRAH, CONNECTICUT  
 ZONING MAP

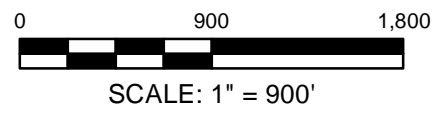
May 2022

Fig. 7



**LEGEND:**

- Proposed Sewer Extension
- Segment 4A
- Segment 4B
- Balanced PFA



**SOURCES:**  
 1. ESRI WORLD IMAGERY LAYER, IMAGERY DATE: 3/28/2019.  
 2. PARCELS APPROXIMATE FROM CTDEEP GIS DATA.

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 Bozrah Sanitary Sewer Extension Project  
 Bozrah, Connecticut

Town of Bozrah  
 Bozrah, Connecticut

**GEI**   
 Consultants

Project 2001935

STATE CONSERVATION  
 AND DEVELOPMENT PLAN  
 LOCATION GUIDE

May 2022

Fig. 8

# Appendix A

---

## NDDB State Listed Species Review



Connecticut Department of  
**Energy & Environmental Protection**  
 Bureau of Natural Resources  
 Wildlife Division

CPPU USE ONLY	
App #:	_____
Doc #:	_____
Check #: No fee required	
Program: Natural Diversity Database Endangered Species	
Hardcopy _____	Electronic _____

## Request for Natural Diversity Data Base (NDDDB) State Listed Species Review

Please complete this form in accordance with the [instructions](#) (DEEP-INST-007) to ensure proper handling of your request.

**There are no fees associated with NDDB Reviews.**

### Part I: Preliminary Screening & Request Type

<p>Before submitting this request, you must review the most current Natural Diversity Data Base “State and Federal Listed Species and Significant Natural Communities Maps” found on the <a href="#">DEEP website</a>. These maps are updated twice a year, usually in June and December.</p> <p>Does your site, including all affected areas, fall in an NDDB Area according to the map instructions:  <input checked="" type="checkbox"/> Yes    <input type="checkbox"/> No        <b>Enter the date</b> of the map reviewed for pre-screening: June 2020 _____</p>	
This form is being submitted for a :	
<input checked="" type="checkbox"/> <i>New NDDB request</i> <input type="checkbox"/> <i>Renewal/Extension of a NDDB Request, <b>without</b> modifications and within <b>two years</b> of issued NDDB determination (no attachments required)</i>	<input type="checkbox"/> <i>New <b>Safe Harbor Determination</b> (optional) must be associated with an application for a GP for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities</i> <input type="checkbox"/> <i>Renewal/Extension of an existing Safe Harbor Determination</i> <input type="checkbox"/> With modifications <input type="checkbox"/> Without modifications (no attachments required)
[CPPU Use Only - NDDB-Listed Species Determination # 1736]	[CPPU Use Only - NDDB-Safe Harbor Determination # 1736]
Enter NDDB Determination Number for Renewal/Extension:	Enter Safe Harbor Determination Number for Renewal/Extension:



## Part II: Requester Information

*\*If the requester is a corporation, limited liability company, limited partnership, limited liability partnership, or a statutory trust, it must be registered with the Secretary of State. If applicable, the name shall be stated **exactly** as it is registered with the Secretary of State. Please note, for those entities registered with the Secretary of State, the registered name will be the name used by DEEP. This information can be accessed at the Secretary of the State's database CONCORD. ([www.concord-sots.ct.gov/CONCORD/index.jsp](http://www.concord-sots.ct.gov/CONCORD/index.jsp))*

*If the requester is an individual, provide the legal name (include suffix) in the following format: First Name; Middle Initial; Last Name; Suffix (Jr, Sr., II, III, etc.).*

*If there are any changes or corrections to your company/facility or individual mailing or billing address or contact information, please complete and submit the [Request to Change company/Individual Information](#) to the address indicated on the form.*

### 1. Requester\*

Company Name: GEI Consultants, Inc.

Contact Name: Jessica Lord

Address: 455 Winding Brook Drive, Suite 201

City/Town: Glastonbury

State: CT

Zip Code: 06033

Business Phone: (860) 368-5300

ext. 5385

\*\*E-mail: [jlord@geiconsultants.com](mailto:jlord@geiconsultants.com)

\*\*By providing this email address you are agreeing to receive official correspondence from the department, at this electronic address, concerning this request. Please remember to check your security settings to be sure you can receive emails from "ct.gov" addresses. Also, please notify the department if your e-mail address changes

#### a) Requester can best be described as:

Individual       Federal Agency       State agency       Municipality       Tribal

\*business entity (\* if a business entity complete i through iii):

i) Check type     corporation       limited liability company       limited partnership  
 limited liability partnership       statutory trust       Other: Stock

ii) Provide Secretary of the State Business ID #: 0296198 This information can be accessed at the

Secretary of the State's database (CONCORD). ([www.concord-sots.ct.gov/CONCORD/index.jsp](http://www.concord-sots.ct.gov/CONCORD/index.jsp))

iii)  Check here if your business is **NOT** registered with the Secretary of State's office.

#### b) Acting as (Affiliation), pick one:

Property owner     Consultant       Engineer       Facility owner       Applicant

Biologist       Pesticide Applicator       Other representative:

### 2. List Primary Contact to receive Natural Diversity Data Base correspondence and inquiries, if different from requester.

Company Name: GEI Consultants, Inc.

Contact Person: Fred Johnson

Title: Sr. Vice President

Mailing Address: 455 Winding Brook Drive, Suite 201

City/Town: Glastonbury

State: CT

Zip Code: 06033

Business Phone: 860-608-9821

ext.

\*\*E-mail: FJohnson@geiconsultants.com

### Part III: Site Information

This request can only be completed for one site. A separate request must be filed for each additional site.

<p><b>1. SITE NAME AND LOCATION</b></p> <p>Site Name or Project Name: <b>Bozrah Sanitary Sewer Extension Project</b></p> <p>Town(s): <b>Bozrah</b></p> <p>Street Address or Location Description: <b>Stockhouse Road and Route 87 to the existing Norwich Public Utilities (NPU) sewer on Route 32 in Franklin.</b></p> <p>Size in acres, or site dimensions: <b>~ 20 acres</b></p> <p>Latitude and longitude of the center of the site in decimal degrees (e.g., 41.23456 -71.68574):</p> <p>Latitude: <b>41.57000</b> Longitude: <b>-72.14798</b></p> <p>Method of coordinate determination (check one):</p> <p><input type="checkbox"/> GPS    <input checked="" type="checkbox"/> Photo interpolation using <a href="#">CTECO map viewer</a>    <input type="checkbox"/> Other (specify): <b>Google Maps</b></p> <p>2a. Describe the current land use and land cover of the site.</p> <p>The proposed sanitary sewer mains will run along commercial and industrial zoned land on Stockhouse Road, as well as in the high-density housing area in Fitchville village, adjacent to Fitchville Pond and Yantic River. The recently completed Franklin Sewer extension at Route 32 will serve as the discharge location.</p> <p>b. Check all that apply and enter the size in acres or % of area in the space after each checked category.</p> <table><tr><td><input checked="" type="checkbox"/> Industrial/Commercial 35 %</td><td><input checked="" type="checkbox"/> Residential 10 %</td><td><input checked="" type="checkbox"/> Forest 5 %</td></tr><tr><td><input checked="" type="checkbox"/> Wetland 2 %</td><td><input type="checkbox"/> Field/grassland _____</td><td><input type="checkbox"/> Agricultural _____</td></tr><tr><td><input checked="" type="checkbox"/> Water 3 %</td><td><input type="checkbox"/> Utility Right-of-way _____</td><td></td></tr><tr><td><input checked="" type="checkbox"/> Transportation Right-of-way 45 %</td><td><input type="checkbox"/> Other (specify): _____</td><td></td></tr></table>	<input checked="" type="checkbox"/> Industrial/Commercial 35 %	<input checked="" type="checkbox"/> Residential 10 %	<input checked="" type="checkbox"/> Forest 5 %	<input checked="" type="checkbox"/> Wetland 2 %	<input type="checkbox"/> Field/grassland _____	<input type="checkbox"/> Agricultural _____	<input checked="" type="checkbox"/> Water 3 %	<input type="checkbox"/> Utility Right-of-way _____		<input checked="" type="checkbox"/> Transportation Right-of-way 45 %	<input type="checkbox"/> Other (specify): _____	
<input checked="" type="checkbox"/> Industrial/Commercial 35 %	<input checked="" type="checkbox"/> Residential 10 %	<input checked="" type="checkbox"/> Forest 5 %										
<input checked="" type="checkbox"/> Wetland 2 %	<input type="checkbox"/> Field/grassland _____	<input type="checkbox"/> Agricultural _____										
<input checked="" type="checkbox"/> Water 3 %	<input type="checkbox"/> Utility Right-of-way _____											
<input checked="" type="checkbox"/> Transportation Right-of-way 45 %	<input type="checkbox"/> Other (specify): _____											

### Part IV: Project Information

<p><b>1. PROJECT TYPE:</b></p> <p>Choose Project Type: Other , If other describe: <b>Sanitary sewer mains extension_____</b></p>
--

2. Is the subject activity limited to the maintenance, repair, or improvement of an existing structure within the existing footprint?  Yes  No If yes, explain.

## Part IV: Project Information (continued)

3. Give a detailed description of the activity which is the subject of this request and describe the methods and equipment that will be used. Include a description of steps that will be taken to minimize impacts to any known listed species.

The proposed project consists of installing wastewater collection systems in the village section of Bozrah and ultimately connect via Stockhouse Road and Route 87 to the existing Norwich Public Utilities (NPU) sewer on Route 32 in Franklin. The proposed action includes constructing an unknown length of gravity sanitary sewer, pumping stations, and an unknown length of sanitary sewer force main in the Town of Bozrah. The Town of Bozrah plans to enter into an intermunicipal agreement with Norwich Public Utilities (NPU) to discharge wastewater into the NPU collection system. This project encourages development consistent with both the Town Plan of Conservation and Development and the State Plan of Conservation and Development. The NPU system has the capacity to accept the proposed number of gallons per day design flows from the proposed sanitary sewer service area. The type of construction work required to install sanitary sewer pipes in the road consist of cutting into the roadway, soil excavation and backfilling, and pavement restoration. The proposed action will not cause any long term direct impacts to air quality. Only a short-term direct impact is anticipated during the construction period. Indirectly, the proposed action may result in future development projects that will also only have a short-term impact to air quality. Air quality impacts during construction would be limited to short term increases in fugitive dust, particulates, and localized pollutant emissions from construction vehicles and equipment while excavating. Dust monitoring will be conducted in conjunction with construction.

4. If this is a renewal or extension of an existing Safe Harbor request *with* modifications, explain what about the project has changed.

5. Provide a contact for questions about the project details if different from Part II primary contact.

Name:

Phone:

E-mail:

## Part V: Request Requirements and Associated Application Types

Check *one* box from either Group 1, Group 2 *or* Group 3, indicating the appropriate category for this request.

Group 1. If you check one of these boxes, complete Parts I – VII of this form and submit the required attachments A and B.

- Preliminary screening was negative but an NDDB review is still requested
- Request regards a municipally regulated or unregulated activity (no state permit/certificate needed)
- Request regards a preliminary site assessment or project feasibility study
- Request relates to land acquisition or protection
- Request is associated with a *renewal* of an existing permit or authorization, with no modifications

**Group 2.** If you check one of these boxes, complete Parts I – VII of this form and submit required attachments A, B, and C.

- Request is associated with a *new* state or federal permit or authorization application or registration
- Request is associated with modification of an existing permit or other authorization
- Request is associated with a permit enforcement action
- Request regards site management or planning, requiring detailed species recommendations
- Request regards a state funded project, state agency activity, or CEPA request

**Group 3.** If you are requesting a **Safe Harbor Determination**, complete Parts I-VII and submit required attachments A, B, and D. Safe Harbor determinations can only be requested if you are applying for a GP for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities

If you are filing this request as part of a state or federal permit application(s) enter the application information below.

Permitting Agency and Application Name(s): \_\_\_\_\_

Related State DEEP Permit Number(s), if applicable: \_\_\_\_\_

State DEEP Enforcement Action Number, if applicable: \_\_\_\_\_

State DEEP Permit Analyst(s)/Engineer(s), if known: \_\_\_\_\_

Is this request related to a previously submitted NDDB request?  Yes  No

If yes, provide the previous NDDB Determination Number(s), if known: \_\_\_\_\_


## Part VI: Supporting Documents

Check each attachment submitted as verification that *all* applicable attachments have been supplied with this request form. Label each attachment as indicated in this part (e.g., Attachment A, etc.) and be sure to include the requester's name, site name and the date. **Please note that Attachments A and B are required for all new requests and Safe Harbor renewals/extensions with modifications.** Renewals/Extensions with no modifications do not need to submit any attachments. Attachments C and D are supplied at the end of this form.

<input checked="" type="checkbox"/> Attachment A:	<b>Overview Map:</b> an 8 1/2" X 11" print/copy of the relevant portion of a USGS Topographic Quadrangle Map clearly indicating the exact location of the site.
<input checked="" type="checkbox"/> Attachment B:	<b>Detailed Site Map:</b> fine scaled map showing site boundary and area of work details on aerial imagery with relevant landmarks labeled. (Site and work boundaries in GIS [ESRI ArcView shapefile, in NAD83, State Plane, feet] format can be substituted for detailed maps, see instruction document)
<input type="checkbox"/> Attachment C:	<b>Supplemental Information, Group 2 requirement (attached, DEEP-APP-007C)</b> <input type="checkbox"/> Section i: Supplemental Site Information and supporting documents <input type="checkbox"/> Section ii: Supplemental Project Information and supporting documents
<input type="checkbox"/> Attachment D:	<b>Safe Harbor Report Requirements, Group 3 (attached, DEEP-APP-007D)</b>

## Part VII: Requester Certification

The requester *and* the individual(s) responsible for actually preparing the request must sign this part. A request will be considered incomplete unless all required signatures are provided.

<p>"I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that based on reasonable investigation, including my inquiry of the individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief."</p>	
 Signature of Requester (a typed name will substitute for a handwritten signature)	9/2/2020 Date
Jessica Lord Name of Requester (print or type)	Staff Scientist Title (if applicable)
Signature of Preparer (if different than above)	Date
Name of Preparer (print or type)	Title (if applicable)

Note: Please submit the completed Request Form and all Supporting Documents to:

CENTRAL PERMIT PROCESSING UNIT  
 DEPARTMENT OF ENERGY & ENVIRONMENTAL PROTECTION  
 79 ELM STREET  
 HARTFORD, CT 06106-5127

Or email request to: [deep.nddbrequest@ct.gov](mailto:deep.nddbrequest@ct.gov)

# Attachment C: Supplemental Information, Group 2 requirement

## Section i: Supplemental Site Information

### 1. Existing Conditions

Describe all natural and man-made features including wetlands, watercourses, fish and wildlife habitat, floodplains and any existing structures potentially affected by the subject activity. Such features should be depicted and labeled on the site plan that must be submitted. Photographs of current site conditions may be helpful to reviewers.

- Site Photographs (optional) attached
- Site Plan/sketch of existing conditions attached

### 2. Biological Surveys

Has a biologist visited the site and conducted a biological survey to determine the presence of any endangered, threatened or special concern species  Yes  No

If yes, complete the following questions and submit any reports of biological surveys, documentation of the biologist's qualifications, and any NDDB survey forms.

Biologist(s) name: \_\_\_\_\_

Habitat and/or species targeted by survey: \_\_\_\_\_

Dates when surveys were conducted: \_\_\_\_\_

- Reports of biological surveys attached
- Documentation of biologist's qualifications attached
- [NDDB Survey forms](#) for any listed species observations attached

## Section ii: Supplemental Project Information

1. Provide a schedule for all phases of the project including the year, the month and/or season that the proposed activity will be initiated and the duration of the activity.
  
  
  
  
  
  
  
  
  
  
2. Describe and quantify the proposed changes to existing conditions and describe any on-site or off-site impacts. In addition, provide an annotated site plan detailing the areas of impact and proposed changes to existing conditions.

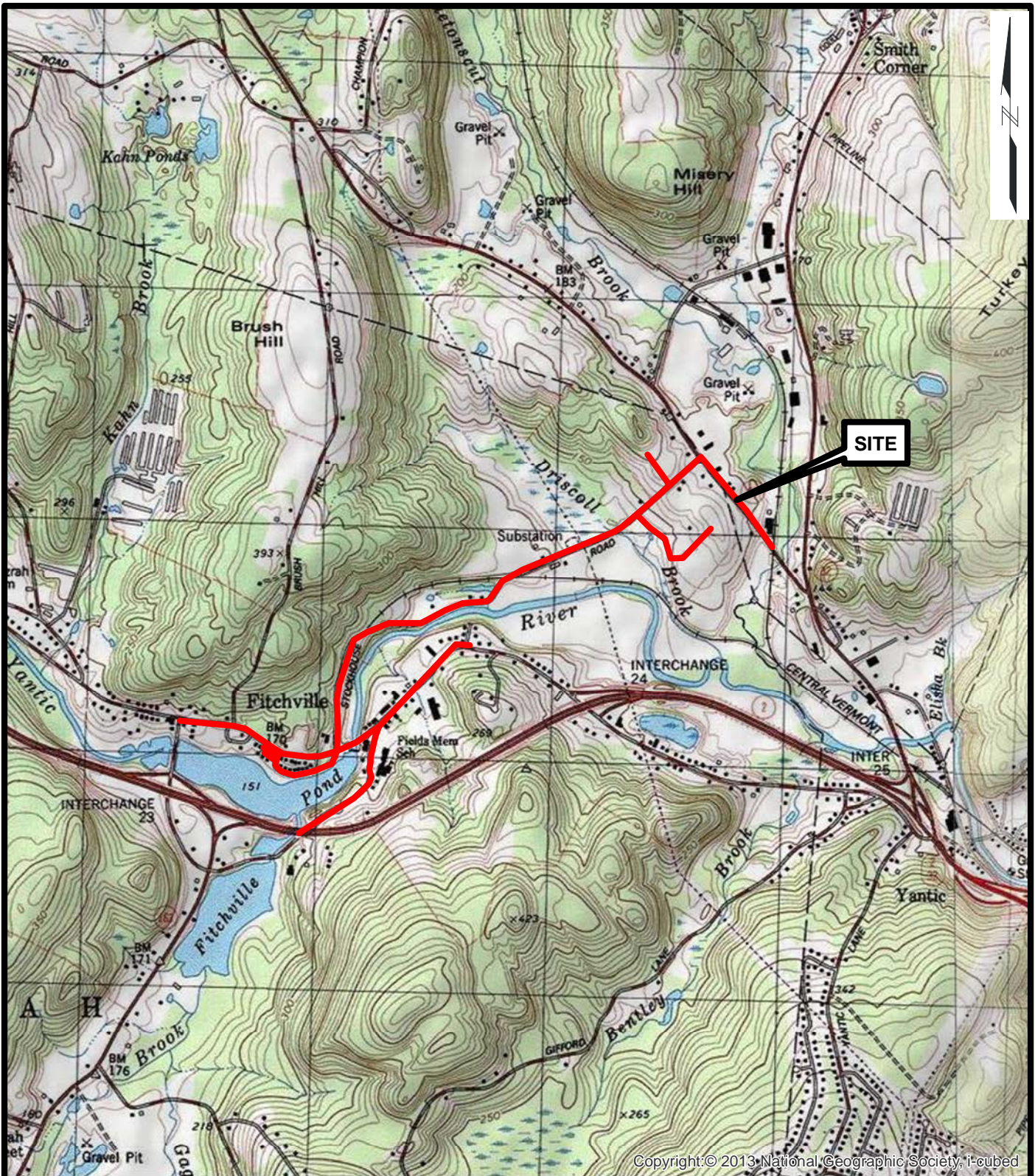
- Annotated Site Plan attached



# Attachment D: Safe Harbor Report Requirements

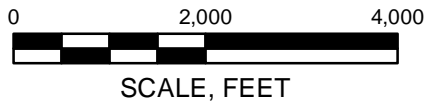
Submit a report, as Attachment D, that synthesizes and analyzes the information listed below. Those providing synthesis and analysis need appropriate qualifications and experience. A request for a safe harbor determination shall include:

- 1. Habitat Description and Map(s), including GIS mapping overlays, of a scale appropriate for the site, identifying:**
  - wetlands, including wetland cover types;
  - plant community types;
  - topography;
  - soils;
  - bedrock geology;
  - floodplains, if any;
  - land use history; and
  - water quality classifications/criteria.
- 2. Photographs** - The report should include photographs of the site taken from the ground and also all reasonably available aerial or satellite photographs and an analysis of such photographs.
- 3. Inspection** - A visual inspection(s) of the site should be conducted, preferably when the ground is visible, and described in the report. This inspection can be helpful in confirming or further evaluating the items noted above.
- 4. Biological Surveys** - The report should include all biological surveys of the site where construction activity will take place that are reasonably available to a registrant. A registrant shall notify the Department's Wildlife Division of biological studies of the site where construction activity will take place that a registrant is aware of but are not reasonably available to the registrant.
- 5. Based on items #1 through 4 above, the report shall include a Natural Resources Inventory of the site of the construction activity.** This inventory should also include a review of reasonably available scientific literature and any recommendations for minimizing adverse impacts from the proposed construction activity on listed species or their associated habitat.
- 6. In addition, to the extent the following is available at the time a safe harbor determination is requested, a request for a safe harbor determination shall include and assess:**
  - Information on Site Disturbance Estimates/Site Alteration information
  - Vehicular Use
  - Construction Activity Phasing Schedules, if any; and
  - Alteration of Drainage Patterns



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**SOURCE:**  
 1. USGS TOPOGRAPHIC MAP FITCHVILLE  
 QUADRANGLE ACCESSED VIA ARCGIS ONLINE  
 SERVICES.



Bozrah Sanitary Sewer Extension Project  
 Bozrah, Connecticut



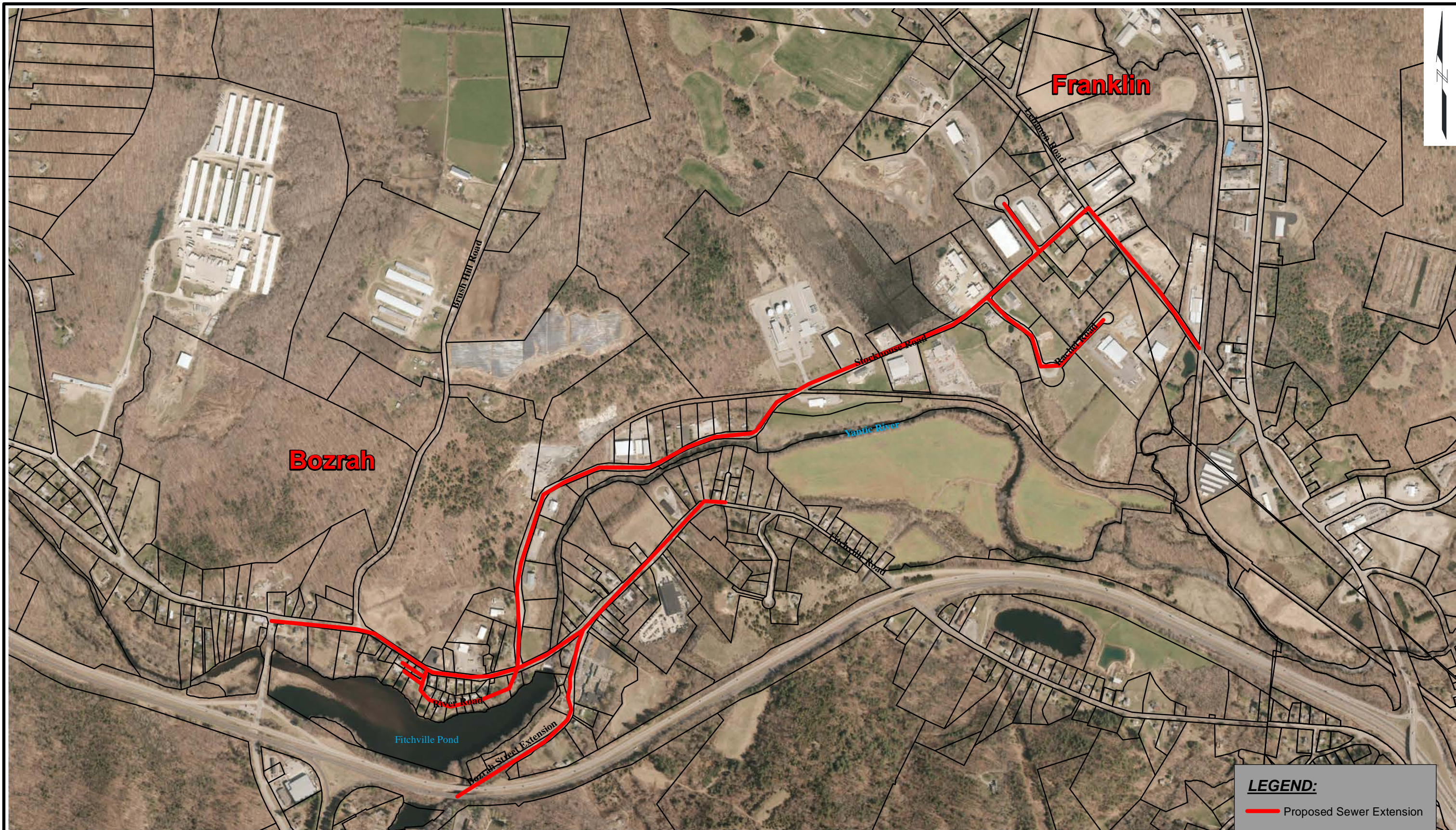
SITE LOCATION MAP


Town of Bozrah

Project 2001935

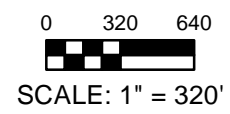
April 2020

Fig. 1



**LEGEND:**  
 Proposed Sewer Extension

**SOURCE:**  
 1. 2016 ESRI WORLD IMAGERY.  
 2. PARCELS APPROXIMATE FROM CTDEEP GIS DATA.



Bozrah Sanitary Sewer Extension Project  
 Bozrah, Connecticut  
 Town of Bozrah

**GEI** Consultants  
 Project 2001935

**SITE PLAN**  
 April 2020  
 Fig. 2

## Appendix B

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### NDDB Correspondence

September 16, 2020

Frederick Johnson  
GEI Consultants, INC  
455 Winding Brook Rd., Suite 201  
Glastonbury, CT 06033  
[FJOHNSON@GEICONCONSULTANTS.COM](mailto:FJOHNSON@GEICONCONSULTANTS.COM)

**NDDB DETERMINATION NUMBER:** 202010487

**Project:** BOZRAH SANITARY SEWER EXTENSION PROJECT, STOCKHOUSE RD AND RTE 87 TO THE EXISTING NORWICH PUBLIC UTILITIES (NPU) SEWER ON RTE 32 IN FRANKLIN, CT

**Expiration:** September 16, 2022

I have reviewed Natural Diversity Data Base (NDDB) maps and files regarding this project. According to our records, there are State-listed species (RCSA Sec. 26-306) documented nearby and may occur in your work areas. Guidance to avoid impact is provided below.

**Wood turtle (*Glyptemys insculpta*)- State Special Concern**

Individuals of this species are riverine and riparian obligates, overwintering and mating in clear, cold, primarily sand-gravel and rock bottomed streams and foraging in riparian zones, fields and upland forests during the late spring and summer. They hibernate in the banks of the river in submerged tree roots between November 1 and March 31. Their summer habitat focuses within 90m (300ft of rivers) and they regularly travel 300m (0.2 mile) from rivers during this time. During summer they seek out early successional habitat: pastures, old fields, woodlands, powerline cuts and railroad beds bordering or adjacent to streams and rivers. Their habitat in Connecticut is already severely threatened by fragmentation of riverine, instream, riparian, and upland habitats, but is exacerbated by heavy adult mortality from machinery, cars, and collection. This is compounded by the species late maturity, low reproductive potential, and high nest and hatchling depredation rates.

The following protection measures will help minimize risk to turtles:

Land disturbance activities that involve vehicle traffic or heavy equipment that can crush adult turtles need to consider local habitat features and apply fencing or site searches during sensitive times of year.

- Land disturbance and excavation *confined to the upland* (greater than 10 meters from a waterway) can be done without risk for impact to wood turtle if it is restricted to the dormant season (November 1- March 31).

If land disturbance activity will include significant areas within and around rivers and streams, you will need to take precautions to avoid crushing or killing hibernating adults.

- Do not begin *instream activity and bank disturbance* within a river or stream's 10 meter buffer during turtle's dormant period (November 1- March 31).

Between **April 1- October 31:**

- The work crew must be made aware of the species description and possible presence

- The immediate area where heavy equipment will be used each day should be searched for turtles before starting work using mechanical equipment
- Any turtles found during work should be moved out of the way. This animal is protected by law and should never be taken off site.
- Work conducted during early morning and evening hours should occur with special care not to harm basking individuals.
- In areas where silt fence is used for exclusion, it shall be removed as soon as the area is stable and disturbance is finished to allow for reptile and amphibian passage to resume.

Please submit an updated NDDB Request for Review if the scope of the proposed work changes.

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Natural Diversity Data Base information includes all information regarding critical biological resources available to us at the time of the request. This information is a compilation of data collected over the years by the Department of Energy and Environmental Protection's Bureau of Natural Resources and cooperating units of DEEP, independent conservation groups, and the scientific community. This information is not necessarily the result of comprehensive or site-specific field investigations. Consultations with the NDDB should not be substituted for on-site surveys required for environmental assessments. Current research projects and new contributors continue to identify additional populations of species and locations of habitats of concern, as well as, enhance existing data. Such new information is incorporated in the NDDB as it becomes available.

Please contact me if you have any questions ([shannon.kearney@ct.gov](mailto:shannon.kearney@ct.gov)). Thank you for consulting with the Natural Diversity Data Base and continuing to work with us to protect State-listed species.

Sincerely,

/s/ Shannon B. Kearney  
Wildlife Biologist

## Appendix C

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### Town of Bozrah IWCC Form

**Town of Bozrah  
Inland Wetlands and Conservation Commission  
Town Hall, 1 River Road  
Bozrah, Connecticut 06334**

**Application Packet  
January 1, 2012**

This application packet includes:

- A: Commission Procedures
- B: Commission Application Form
- C: State of Connecticut Activity Reporting Form
- D: Town of Bozrah Land Use Application Fee Ordinance (July 10, 2012)

The "Commission Procedures" outlines the steps and timelines that will be followed by the Commission. All applicants must complete the "Commission Application Form" and the "Connecticut Activity Reporting Form". The "Land Use Fee Ordinance" stipulates the fees that must be submitted with an application.



**IWCC PROCEDURES**  
**January 1, 2012**

**NOTE:** The Commission has 65 days to render a decision on an application (time periods are discussed below). It is important for an applicant to complete the application form in its entirety and submit information that details the proposed activity (both written and drawn) in order for the Commission to evaluate and act on an application. Review the requirements listed in the regulations. Failure to submit adequate information will result in delays in the processing of an application.

If a proposed activity is in a wetland or watercourse OR has the potential to adversely affect or impact a wetland or watercourse an application to the IWCC is needed. The information submitted with the application must be sufficient for the Commission to evaluate the proposed activity and its potential impact on regulated areas e.g. wetlands and watercourses located on and adjacent to the site, and include the method and process of work to be accomplished.

**The IWCC reviews the application** and determines whether, additional information is needed, the activity is regulated, not regulated, or exempt (non-regulated). **A Site walk by Commissioners may be needed at this time.**

If a determination is made that the activity is not regulated or exempt (non-regulated) a Jurisdictional Ruling is made and the application process is completed. Fees may be required.

If a determination is made that the activity is a “regulated activity” a subsequent determination must be made by the Commission as to whether the activity is a “significant activity” as defined by the regulations. Applications for both a “regulated activity” or a “significant activity” must then include the information required by Section 7 of the regulations. Fees are determined.

A public hearing is scheduled if the proposed activity is a “significant activity” or a petition signed by 25 residents 18 years old or older is filed with the Commission within 14 days of the receipt of the application.

Notice of an application is made to the clerk of adjoining municipalities by the Commission if the proposal meets any of the criteria of Section 8.2 e.g. within 500 feet of municipal boundary, or have traffic or drainage or water runoff that will impact adjacent municipality.

If a public hearing is scheduled the applicant must send a notice of the hearing to abutting land owners by certified mail at least 15 days prior to the hearing.

The Commission may schedule site walks and obtain professional services to assist in the review of the application. Addition Fees may be required.

Decisions on applications that are not scheduled for public hearing will be made within 65 days of the receipt of the application. Extensions may be required but they shall not exceed a total of another 65 days.

When applications require a public hearing the hearing shall be held within 65 days of the receipt of the application. The public hearing shall be closed within 35 days after commencement and a decision shall be made within 35 days after the close of the public hearing. Extensions may be required but they shall not exceed a total of 65 days.

**NOTE: Application and Inspection fees are required.**

“B”

**TOWN OF BOZRAH  
INLAND WETLANDS AND WATERCOURSE COMMISSION  
APPLICATION FOR PERMIT**

APPLICATION NUMBER: _____	DATE RECEIVED: _____
TOWN APPLICATION FEE: \$ _____	ST. DEEP FEE: \$ _____
PROFESSIONAL REVIEW FEE MAY BE REQUIRED. <span style="float: right;">(To be completed by the Commission)</span>	

This Application has been prepared in accordance with Sections 22a-36 to 22a-45, Section 8-26, inclusive, of the Connecticut Statutes, as amended, and the Town of Bozrah Inland Wetlands and Watercourses Regulations.

All applicants shall complete all applicable sections of this application form in accordance with Section 7 of the Town of Bozrah Inland Wetlands and Watercourse Regulations. In addition, please carefully review Section 8.1 of the Regulations regarding evaluation criteria. The application shall be accompanied by a check for the appropriate fee payable to the Town of Bozrah. PLEASE ATTACH PLAN SHOWING DETAILS OF THIS APPLICATION.

1. Name of Applicant: \_\_\_\_\_
  - a) Applicant's mailing Address: \_\_\_\_\_
  - b) Applicant's phone number (home) \_\_\_\_\_ (work) \_\_\_\_\_
2. Applicant's interest in property: \_\_\_\_\_
3. Name of Property Owner (if not applicant) \_\_\_\_\_
  - a) Property owner's address and mailing address: \_\_\_\_\_
  - b) Owner's phone number (home) \_\_\_\_\_ (work) \_\_\_\_\_
4. Attach a written, witnessed consent by the owner (if the application has not been signed by the owner) to allow the applicant to submit the application.
5. Property address \_\_\_\_\_
  - a) Assessor's map number \_\_\_\_\_ Lot# \_\_\_\_\_ Zoning District \_\_\_\_\_
  - b) Is the property part of a pending or previously approved subdivision \_\_\_\_\_, if so please reference \_\_\_\_\_
6. Purpose of activity \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

7. Describe in detail what the proposed activity will involve (construction, fill, material removal, etc.) including specifics

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8. Acreage of wetlands and watercourses altered:

a) Specify area altered as follows:

Swamp \_\_\_\_\_ Acres

Marsh \_\_\_\_\_ Acres

Bog \_\_\_\_\_ Acres

Open Water \_\_\_\_\_ Acres

b) Acreage of wetlands or watercourse created \_\_\_\_\_ Acres

c) Lineal feet of stream alteration \_\_\_\_\_ Acres

d) Total land area of project \_\_\_\_\_ Acres

9. Submit a detailed plan of the proposal in accordance with Section 7 of the Town of Bozrah Inland Wetland and Watercourses Regulations. An application will not be complete without a detailed plan.

10. Describe the effect on drainage within the surrounding area. Also describe sedimentation and erosion control measure to be used

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11. List names and addresses of abutting property owners

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12. Certify whether or not the following conditions exist: a) Any portion of the property on which the regulated activity is proposed is located within 500 feet of the boundary of an adjoining municipality; b) Traffic attributed to the completed project on the site will use streets within the adjoining municipality to enter or exit the site; c) Sewer or water drainage from the project site will impact streets or other municipal or private property within the adjoining municipality, or; d) Water run-off from the improved site will impact streets or the other adjoining municipality.

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13. Note the name of the soil scientist that flagged the wetland and/or watercourse and date the wetlands were flagged. All plans submitted must have the original

signature of the soil scientist, land surveyor and professional engineer, if applicable.

\_\_\_\_\_  
\_\_\_\_\_

The undersigned hereby consents to necessary and proper inspections of the above mentioned property by agents/commissioners of the Bozrah Inland Wetland and Watercourses Commission both before and after the permit is issued by the Commission.

The undersigned attests that the information supplied in the application is accurate to the best of his or her knowledge and belief.

\_\_\_\_\_  
Signature of APPLICANT Date \_\_\_\_\_  
Print or type name: \_\_\_\_\_

\_\_\_\_\_  
Signature of OWNER Date \_\_\_\_\_  
Print or type name: \_\_\_\_\_

The applicant or the applicant's representative MUST appear before the Commission at the next regular meeting at which the application will be officially received.

<b>To be completed by the Commission</b>
<b>Application Approved – Date:</b> _____
<b>Conditions of approval, if any</b>
_____
_____
<b>Expiration Date:</b> _____
<b>Extension Date:</b> _____
<b>Review of Completed Work Date:</b> _____
<b>Application Denied – Date:</b> _____
<b>Reasons for denial:</b>
_____
_____
<b>Jurisdictional Ruling: Section 4.1 _____; Section 4.2 _____; Other _____;</b>
<b>Date:</b> _____
<b>Signature of Chairman or Secretary of Commission :</b>

"C"



STATE OF CONNECTICUT  
DEPARTMENT OF ENVIRONMENTAL PROTECTION



STATEWIDE INLAND WETLANDS & WATERCOURSES  
ACTIVITY REPORTING FORM

Pursuant to section 22a-39(m) of the General Statutes of Connecticut and section 22a-39-14 of the Regulations of Connecticut State Agencies, inland wetlands agencies must complete the Statewide Inland Wetlands & Watercourses Activity Reporting Form for each action taken by such agency.

This form may be made part of a municipality's inland wetlands application package. If the municipality chooses to do this, it is recommended that a copy of the Town and Quadrangle Index of Connecticut and a copy of the municipality's subregional drainage basin map be included in the package as well.

Please remember, the inland wetlands agency is responsible for ensuring that the information provided is accurate and that it reflects the final action of the agency. Incomplete or incomprehensible forms will be mailed back to the agency. Instructions for completing the form are located on the following page.

The inland wetlands agency shall mail completed forms for actions taken during a calendar month no later than the 15<sup>th</sup> day of the following month to the Department of Environmental Protection (DEP). Do not mail this cover page or the instruction page. **Please detach and mail only the completed green reporting form to:**

Wetlands Management Section  
Inland Water Resources Division  
Department of Environmental Protection  
79 Elm Street  
Hartford, CT 06106

Questions may be directed to the DEP's Wetlands Management Section at (860) 424-3019.

(Printed on Recycled Paper)

79 Elm Street • Hartford, CT 06106-5127

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**Celebrating a Century of Forest Conservation Leadership**

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**INSTRUCTIONS FOR COMPLETING  
THE STATEWIDE INLAND WETLANDS & WATERCOURSES ACTIVITY REPORTING FORM**

Use a separate form to report each action taken by the Agency. Complete the form as described below.

**PART I: To Be Completed By The Inland Wetlands Agency**

1. Enter the year and month the Inland Wetlands Agency took the action being reported.
2. Enter ONE code letter to describe the final action or decision taken by the Inland Wetlands Agency. Do not submit a reporting form for withdrawn applications. Do not enter multiple code letters (for example: if an enforcement notice was given and subsequent permit issued - two forms for the two separate actions are to be completed).
  - A = Permit Granted by the Inland Wetlands Agency
  - B = Permit Denied by the Inland Wetlands Agency
  - C = Permit Extended or Amended by the Inland Wetlands Agency
  - D = Map Amendment to the Official Town Wetlands Map or an Approved Amendment to a Project Site Map
  - E = Enforcement Notice of Violation, Order, or Court Injunction and/or Court Fines by the Inland Wetlands Agency
  - F = Jurisdictional Ruling by the Inland Wetlands Agency (i.e.: activities "permitted as of right" or activities considered non-regulated)
  - G = Agent Approval pursuant to CGS 22a-42a(c)(2)
  - H = Appeal of Agent Approval Pursuant to 22a-42a(c)(2)
3. Check "Yes" if a public hearing was held in regards to the action taken; otherwise check "No".
4. Enter the name of the Inland Wetlands Agency official verifying that the information provided on this form is accurate and that it reflects the FINAL action of the agency.

**PART II: To Be Completed By The Inland Wetlands Agency Or The Applicant** - If Part II is completed by the applicant, the applicant must return the form to the Inland Wetlands Agency. The Inland Wetlands Agency must ensure that the information provided is accurate and that it reflects the FINAL action of the Agency.

5. Enter the name of the municipality for which the Inland Wetlands Agency has jurisdiction and in which the action/project/activity is occurring.

Check "Yes" if the action/project/activity crosses municipal boundaries and enter the name(s) of the other municipality(ies) where indicated. Check "No" if it does not cross municipal boundaries.
6. Enter the USGS Quad Map name and number (1 through 115) which contains the location of the action/project/activity. The USGS Quad Map name and number can be found on the Connecticut Town and Quadrangle Index Map (the directory to all USGS Quad Maps), or it may be indicated in the lower right-hand corner of each USGS Quad Map. A Connecticut Town and Quadrangle Index Map has been mailed to all Municipal Inland Wetlands Agencies. USGS Quad Maps are available at town hall or by contacting the DEP Maps and Publication Sales at (860) 424-3555.

ALSO enter the four-digit identification number of the corresponding Subregional Drainage Basin in which the action/project/activity is located. If the action/project/activity is located in more than one subregional drainage basin, enter the number of the basin in which the majority of the action/project/activity is located. A town subregional drainage basin map has been mailed to all Municipal Inland Wetlands Agencies. Subregional drainage basin maps are also available by contacting the DEP Inland Water Resources Division at (860) 424-3019, and may be available via the Nonpoint Education for Municipal Officials web site: [nemo.uconn.edu](http://nemo.uconn.edu).
7. Enter the name of the individual applying for, petitioning, or receiving the action.
8. Enter the name and address or location of the action/project/activity site. Also provide a brief description of the action/project/activity

9. **CAREFULLY REVIEW** the list below and enter ONE code letter which best characterizes the action/project/activity. All state agency projects must code "N".

- |   |                                       |
|---|---------------------------------------|
| A = Residential Improvement by Homeowner                  | I = Storm Water / Flood Control       |
| B = New Residential Development for Single Family Units   | J = Erosion / Sedimentation Control   |
| C = New Residential Development for Multi-Family / Condos | K = Recreation / Boating / Navigation |
| D = Commercial / Industrial Uses                          | L = Routine Maintenance               |
| E = Municipal Project                                     | M = Map Amendment                     |
| F = Utility Company Project                               | N = State Agency Project              |
| G = Agriculture, Forestry or Conservation                 | P = Other                             |
| H = Wetland Restoration, Enhancement, Creation            |                                       |

10. Enter between one and four codes to best characterize the project or activity being reported. Enter "NA" if this form is being completed for the action of map amendment. You must provide code 12 if the activity is located in an established upland review area (buffer, setback). You must provide code 14 if the activity is located BEYOND the established upland review area (buffer, setback) or NO established upland review area (buffer, setback) exists.

- |   |  |
|---|--|
| 1 = Filling   | 8 = Underground Utilities (no other activities)    |
| 2 = Excavation  | 9 = Roadway / Driveway Construction                |
| 3 = Land Clearing / Grubbing (no other activity)            | 10 = Drainage Improvements                         |
| 4 = Stream Channelization                                   | 11 = Pond, Lake Dredging / Dam Construction        |
| 5 = Stream Stabilization (includes lakeshore stabilization) | 12 = Activity in an Established Upland Review Area |
| 6 = Stream Clearance (removal of debris only)               | 14 = Activity in Upland                            |
| 7 = Culverting (not for roadways)                           |  |

**Examples:** Jurisdictional ruling allowing construction of a parking lot in an upland where the municipality *does not* have an established upland review area must use code 14, other possible codes are 2 and 10. Permitted construction of a free standing garage (residential improvement by homeowner) partially in an established upland review area with the remainder in the upland must use code 12 and 14, other possible codes are 1 and 2. Permitted dredging of a pond must use code 11, other possible codes are 12 and 5.

11. Enter in acres the area of wetland soils or watercourses altered. Include areas that are permanently altered, or proposed to be permanently altered, for all agency permits, denials, amendments, and enforcement actions. For those activities that involve filling or dredging of lakes, ponds or similar open water bodies enter the acres filled or dredged under "open water body". For those activities that involve directly altering a linear reach of a brook, stream, river or similar linear watercourse, enter the total linear feet altered under "stream". Remember that these figures represent only the acreage altered not the total acreage of wetlands or watercourses on the site. You MUST provide all information in ACRES (or linear feet as indicated) including those areas less than one acre. To convert from square feet to acres, divide square feet by the number 43,560. Enter zero if there is no alteration.
12. Enter in acres the area of upland altered as a result of an ACTIVITY REGULATED BY the inland wetlands agency, or as a result of an AGENT APPROVAL pursuant to 22a-42a(c)(2). Include areas that are permanently altered, or proposed to be permanently altered, for all agency permits, denials, amendments, and enforcement actions. Inland wetlands agencies may have established an upland review area (also known as a buffer or setback) in which activities are regulated. Agencies may also regulate activities beyond these established areas. You MUST provide all information in ACRES including those areas less than one acre. To convert from square feet to acres, divide square feet by the number 43,560. Enter zero if there is no alteration. Remember that these figures represent only the upland acreage altered as a result of an activity regulated by the inland wetlands agency, or as a result of an agent approval.
13. Enter the acres that are, or are proposed to be, restored, enhanced or created for all agency permits, denials, amendments, and enforcement actions. Restored or enhanced applies to previously existing wetlands or watercourses. Created applies to a NON-wetland or NON-watercourse area which is converted into wetlands or watercourses (therefore question #10 must provide 12 and/or 14 as an answer, and question #12 must also be answered). You MUST provide all information in ACRES including those areas less than one acre. To convert from square feet to acres, divide square feet by the number 43,560. Enter zero if there is no restoration, enhancement or creation.

**PART III: To Be Completed By The DEP** - Please leave this area blank. Incomplete or incomprehensible forms will be mailed back to the inland wetlands agency.





CONNECTICUT DEPARTMENT OF ENVIRONMENTAL PROTECTION  
79 Elm Street  
Hartford, CT 06106-5127

Arthur J. Rocque, Jr., Commissioner

GIS CODE #: \_\_\_\_\_  
For DEP Use Only

## Statewide Inland Wetlands & Watercourses Activity Reporting Form

Please complete this form in accordance with the instructions. Please print or type.

### PART I: To Be Completed By The Inland Wetlands Agency Only

1. DATE ACTION WAS TAKEN: Year \_\_\_\_\_ Month \_\_\_\_\_
2. ACTION TAKEN: \_\_\_\_\_
3. WAS A PUBLIC HEARING HELD? Yes \_\_\_\_\_ No \_\_\_\_\_
4. NAME OF AGENCY OFFICIAL VERIFYING AND COMPLETING THIS FORM:  
(print) \_\_\_\_\_ (signature) \_\_\_\_\_

### PART II: To Be Completed By The Inland Wetlands Agency Or The Applicant

5. TOWN IN WHICH THE ACTION IS OCCURRING: \_\_\_\_\_  
Does this project cross municipal boundaries? Yes \_\_\_\_\_ No \_\_\_\_\_  
If Yes, list the other town(s) in which the action is occurring: \_\_\_\_\_
6. LOCATION: USGS Quad Map Name: \_\_\_\_\_ **AND** Quad Number: \_\_\_\_\_  
Subregional Drainage Basin Number: \_\_\_\_\_
7. NAME OF APPLICANT, VIOLATOR OR PETITIONER: \_\_\_\_\_
8. NAME & ADDRESS/LOCATION OF PROJECT SITE: \_\_\_\_\_  
Briefly describe the action/project/activity: \_\_\_\_\_
9. ACTIVITY PURPOSE CODE: \_\_\_\_\_
10. ACTIVITY TYPE CODE(S): \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_
11. WETLAND / WATERCOURSE AREA ALTERED [must be provided in acres or linear feet as indicated]:  
Wetlands: \_\_\_\_\_ acres      Open Water Body: \_\_\_\_\_ acres      Stream: \_\_\_\_\_ linear feet
12. UPLAND AREA ALTERED [must be provided in acres as indicated]: \_\_\_\_\_ acres
13. AREA OF WETLANDS AND / OR WATERCOURSES RESTORED, ENHANCED OR CREATED: \_\_\_\_\_ acres  
[must be provided in acres as indicated]

DATE RECEIVED: \_\_\_\_\_

### PART III: To Be Completed By The DEP

DATE RETURNED TO DEP: \_\_\_\_\_

FORM CORRECTED / COMPLETED: YES NO

## **Ordinance 2012-1**

**At a Town Meeting held on 10 July 2012 in the cafeteria at Fields Memorial School the following ordinance was adopted**

### **An Ordinance Concerning Land Use Application Fees in the Town of Bozrah**

Pursuant to the provisions of Section 8-1c of the Connecticut General Statutes, the Town of Bozrah adopts the following schedules for applications to the Planning & Zoning Commission, the Zoning Board of Appeals, the Inland Wetland & Conservation Commission, and the Town of Bozrah in any land use regulatory capacity. The term "Commission" in this ordinance shall mean any of the aforementioned authorities.

#### **A. Fee Schedule – Administrative.**

The following fees shall be due at the time the application is filed. The failure to submit any such fee shall render the application incomplete and shall be grounds for the relevant commission or board to refuse to process the application or to deny the application.

The State of Connecticut General Statutes Section 22a-27j requires a fee, which shall be in addition to the following fees.

#### **APPLICATION TYPE/FEE**

##### **Planning & Zoning**

Subdivision/Resubdivision Application: \$100.00/Lot with \$250.00 minimum plus \$450.00 if public hearing is required.

Subdivision Regulation Amendment: \$450.00 public hearing fee.

Engineering review of design of new or rebuilt roads, drainage and other site improvements: \$1.00/linear foot with a \$400.00 minimum. Site improvements includes but is not limited to the construction of water and/or sewer lines, the setting aside of open space and recreation areas, planting of trees or other landscaping, the installation of retaining walls and other structures.

**Supervision & Inspections of Sedimentation & Erosion Control Measures:** 5% of estimated costs of materials and installation.

Amendment to the Plan of Conservation and Development: \$450.00 public hearing fee.

Zoning Regulation text amendment or Zoning Map change: \$450.00 public hearing fee.

Special Exception Application: \$450.00 public hearing fee.

Site Plan Application: \$100.00

Other Zoning Permits:

Commercial Applications - \$100.00

Residential – New Construction (single-family) - \$50.00

Residential (Multi-family) - \$100.00

Other (Additions, sheds, pools, signs, etc.) - \$25.00

Inland Wetland & Conservation Commission

Permitted uses as of right and non-regulated uses: NO CHARGE.

Residential Uses (These are activities carried out on property developed for permanent housing or being developed to be occupied by permanent housing): \$50.00 per lot plus an additional \$250.00 for applications containing more than 2 lots.

All Other Uses: (These are activities carried out on property developed for industry, commerce, trade, or business or being developed to be occupied for such purpose for profit): \$200.00 per lot.

Significant Activity Fee, which is in addition to all other applicable fees: \$450.00

**Supervision & Inspections of Sedimentation & Erosion Control Measures:** 5% of estimated costs of materials and installation.

Regulation or Map amendment petitions: \$450.00

Permit modification or renewal: \$50.00

## Zoning Board of Appeals

Variance Application, Appeal of Decision, or Certificate of Location: \$450.00 public hearing fee.

### **B. Consultant Fees and Expenses.**

Fees for costs incurred directly by the Commission or the Town of Bozrah in the processing of land use application(s), exclusive of the fixed fees in Section A of this Ordinance, shall be reimbursed by the applicant and shall include the cost of materials and/or services performed. Services may include, but are not necessarily limited to, scientific, engineering, and legal consultants, to review the application or to provide monitoring services with the purpose of protecting the public health, safety, and welfare. Such services/providers shall be determined by the Commission. The payment of such fees for reimbursement of such costs shall not prohibit Commissions from requiring performance bonds to ensure the successful completion of all work as may be prescribed in the Commission's regulations or Town Ordinances. The refusal of the applicant to pay any required fees shall render the application incomplete and shall be grounds for denial of the application. The failure to pay such fees when due shall be grounds for revocation of the permit or approval.

Fees incurred by the Commission or the Town of Bozrah, in excess of any fixed fee in Section A, shall be billed to an applicant upon being incurred, and after 30 days from such billing interest shall accrue on any unpaid balance at 18% per annum. In anticipation of processing any land use application, the Commission may require payment in advance based on reasonable estimates, made at the time an application is filed or at any time during such processing. Any balance remaining from any such payment following the payment of all bills for services and/or materials furnished to the Commission or Town of Bozrah shall be refunded to the applicant, but otherwise no payment for a fee in accordance with this ordinance shall be refundable.

Waiver: All boards and agencies of the Town of Bozrah, including the Fire Company, shall be exempt from the payment of the fixed fees established pursuant to this ordinance. A Commission may in whole or in part exempt an applicant from the payment of any or all fees if said application is for a non-profit organization/use as stipulated by Section 501(c)(3) of the Internal Revenue Code. When exempting an application a Commission shall state in the minutes of the meeting at which the application was received the fee type exempted, and the reasons for granting the exemption. This exemption shall not prohibit a Commission from requiring consultant reports or services.

### **C. Bond**

A bond may be required in an amount and in a form satisfactory to the authorizing Commission to guarantee satisfactory completion of all proposed work.

The applicant shall provide a cost estimate of improvements to be bonded, together with a description of the basis for the estimate.

No permit shall be issued until the bond is received.

The Town Treasurer shall hold the bond until the authorizing Commission votes its release. The Commission shall not release the bond until it receives certification by an assigned inspector that all of the requirements stipulated in the issuance of the permit have been met.

APPENDIX B

PETITION FOR CHANGE OF INLAND WETLAND REGULATION OR BOUNDARY  
INLAND WETLANDS COMMISSION  
Bozrah, Connecticut

APPLICANT'S NAME:

\_\_\_\_\_

APPLICANT'S ADDRESS:

\_\_\_\_\_

(To be completed by Commission)

Application No. \_\_\_\_\_

Date of Receipt: \_\_\_\_\_

Public Hearing Date: \_\_\_\_\_

Application Fee: \_\_\_\_\_

APPLICATION FOR (CHECK APPROPRIATE BOX):

\_\_\_\_\_ Change of Inland Wetlands Regulations  
(Attach description of change desired, noting affected section of Regulations.)

\_\_\_\_\_ Change of Inland Wetlands and Watercourses Map.  
(Attach map showing present designation and proposed change.)

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(To be completed by Commission)

Date of Public Hearing: \_\_\_\_\_

Date of Commission Action: \_\_\_\_\_

\_\_\_\_\_  
Signature of Chairman or Secretary of the Commission

## APPENDIX C

### INLAND WETLAND FUNCTIONS

The following list includes the most commonly recognized functional values of wetlands. This information is presented in the State of Connecticut Department of Environmental Protection Bulletin No. 9, METHOD FOR THE EVALUATION OF INLAND WETLANDS IN CONNECTICUT, (1986).

1. **Flood Control** - Evaluates the effectiveness of the wetland in reducing flood damages.
2. **Ecological Integrity** - Evaluates the overall health and function of the wetland ecosystem.
3. **Wildlife Habitat** - Evaluates the suitability of the wetland habitat for those animals typically associated with wetlands and wetland edge. No single species or group of species is emphasized.
4. **Finfish Habitat** - Evaluates the suitability of watercourses associated with the wetland for either warm water or cold water fish. No single species or group of species is emphasized.
5. **Nutrient Retention and Sediment Trapping** - Evaluates the effectiveness of the wetland as a trap for sediment and nutrients in runoff water from surrounding upland.
6. **Educational Potential** - Evaluates the suitability of the wetland as a site for an "outdoor classroom".
7. **Visual/Esthetic Quality** - Evaluates the visual and esthetic quality of the wetland.
8. **Agricultural Potential** - Evaluates the potential for conversion of the wetland to agricultural use. Present SCS policy prohibits, with a few limited exceptions, technical assistance by SCS personnel for the conversion of wetlands to agricultural use. This functional value was included only to make the method as complete as possible.
9. **Forestry Potential** - Evaluates the potential of the wetland for the production of forest products.
10. **Water Based Recreation** - Evaluates the suitability of the wetland and associated watercourses for non-powered boating, fishing, and other similar recreational activities.

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11. **Groundwater Use Potential** - Evaluates the potential use of the underlying aquifer as a drinking water supply.
12. **Shoreline Anchoring and Dissipation of Erosive Forces** - Evaluates the effectiveness of the wetland in preventing shoreline erosion.
13. **Noteworthiness** - Evaluates the wetland for certain special values such as archaeological sites, critical habitat for endangered species, etc.