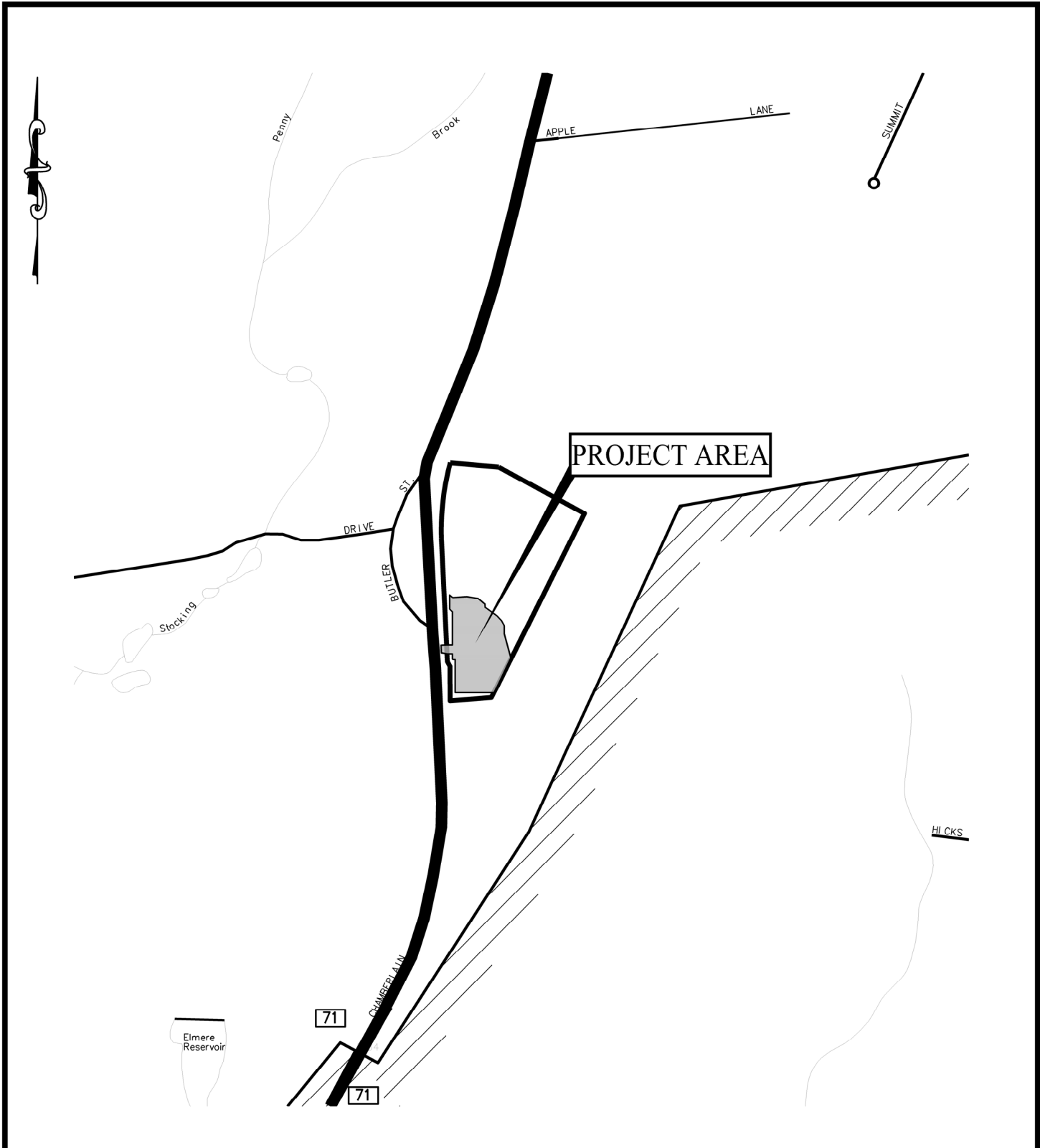


## Appendix A: Figures



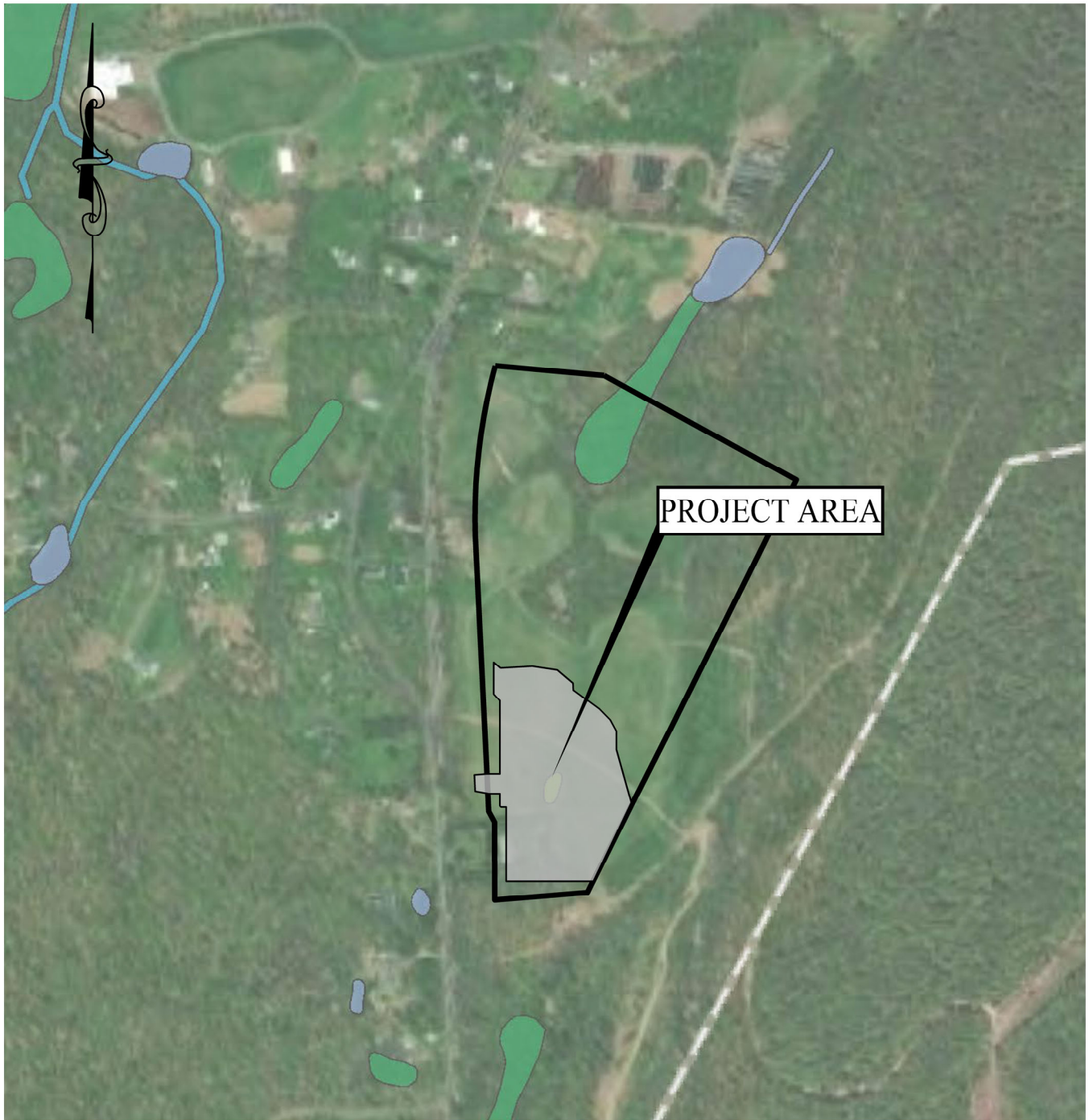
NOTE: BASE MAP INFORMATION TAKEN FROM CT DOT TRU MAPS 007 AND 079



**SOLLI**  
ENGINEERING  
501 Main Street, Monroe, CT 06468  
T: (203) 880-5455 F: (203) 880-9695

**SITE LOCATION MAP**  
0 CHAMBERLAIN HIGHWAY  
BERLIN, CONNECTICUT

Project #:	23100201
Plan Date:	09/30/23
Scale:	1" = 1,000'
Figure:	1



**Wetlands**

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond

- Lake
- Other
- Riverine

NOTE: BASE MAP INFORMATION TAKEN FROM U.S. FISH AND WILDLIFE SERVICE NATIONAL WETLANDS INVENTORY









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501 Main Street, Monroe, CT 06468  
T: (203) 880-5455 F: (203) 880-9695

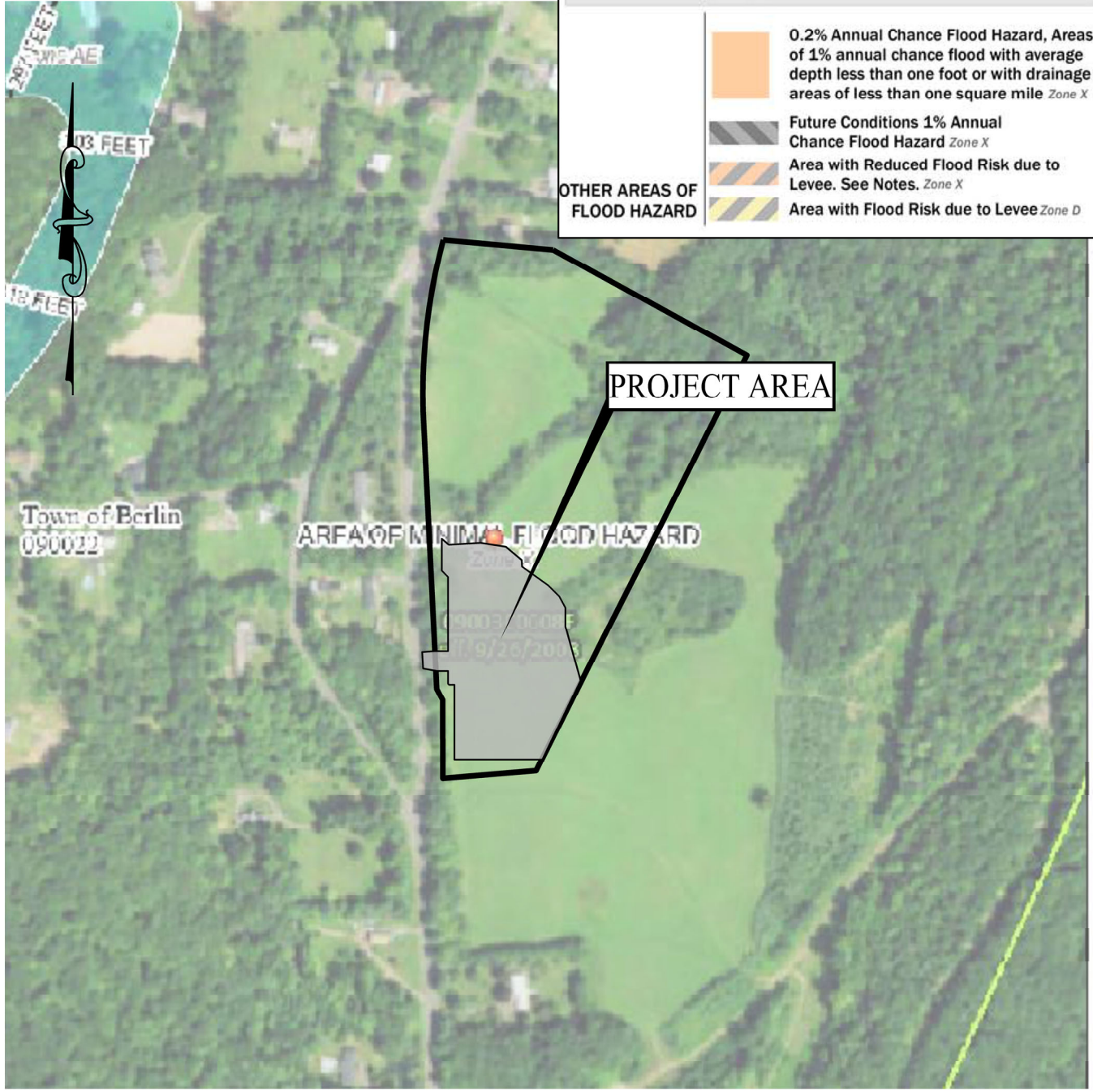
**WETLANDS &  
WATERCOURSES MAP**  
0 CHAMBERLAIN HIGHWAY  
BERLIN, CONNECTICUT

Project #:	23100201
Plan Date:	09/30/23
Scale:	1" = 500'
Figure:	2

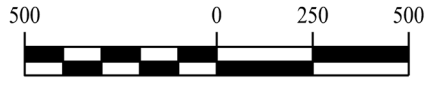
# Legend

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

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) <i>Zone A, V, A99</i>
		With BFE or Depth <i>Zone AE, AO, AH, VE, AR</i> Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile <i>Zone X</i>
		Future Conditions 1% Annual Chance Flood Hazard <i>Zone X</i>
		Area with Reduced Flood Risk due to Levee. See Notes. <i>Zone X</i>
		Area with Flood Risk due to Levee <i>Zone D</i>



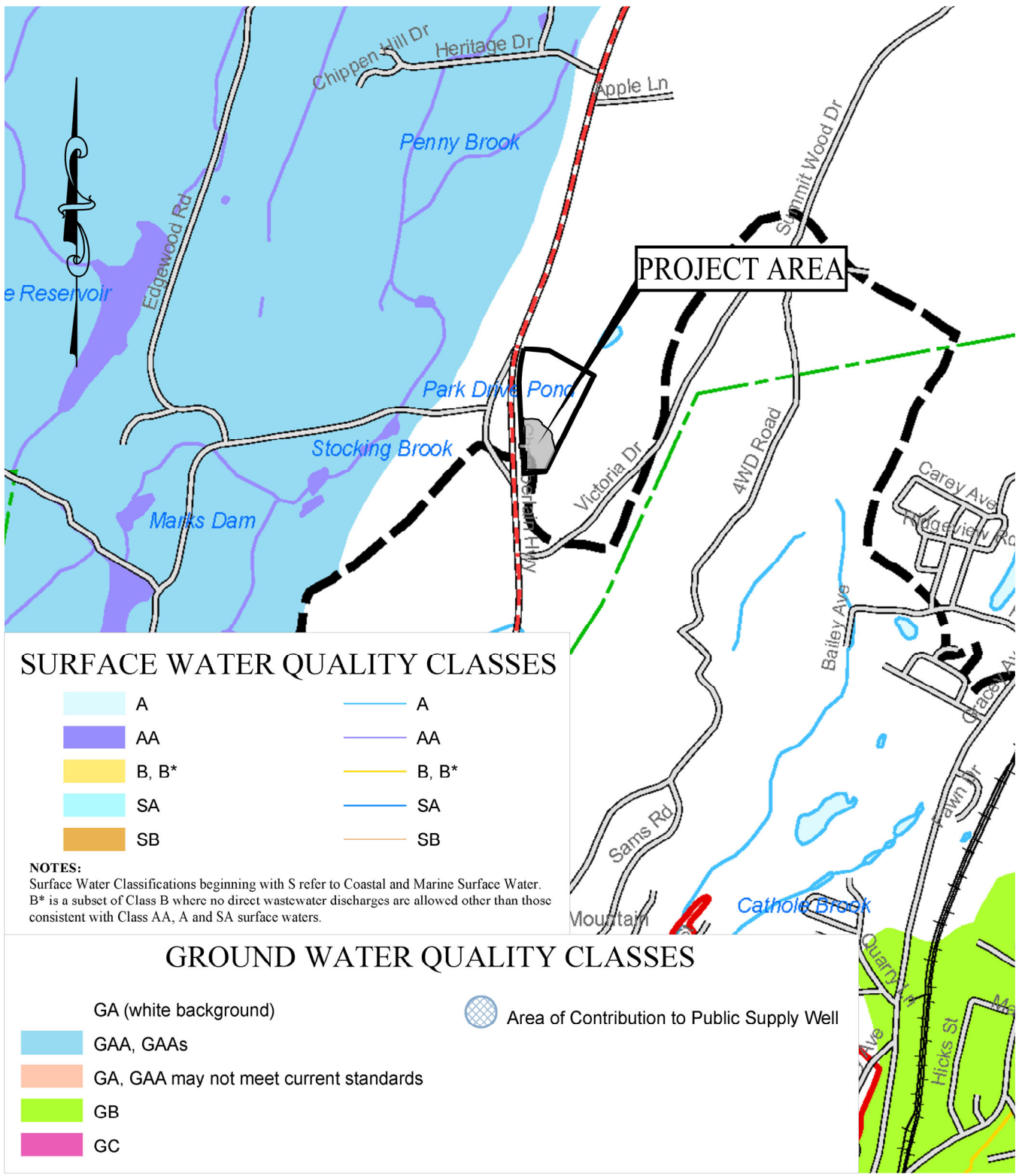
NOTE: BASE MAP INFORMATION TAKEN FROM FEMA FLOOD INSURANCE RATE MAP, MAP NUMBER 09003C0608F, EFFECTIVE 09/26/2008.



**SOLLI**  
ENGINEERING  
501 Main Street, Monroe, CT 06468  
T: (203) 880-5455 F: (203) 880-9695

**FEMA FLOOD MAP**  
0 CHAMBERLAIN HIGHWAY  
BERLIN, CONNECTICUT

Project #:	23100201
Plan Date:	09/30/23
Scale:	1" = 500'
Figure:	3



**SURFACE WATER QUALITY CLASSES**

- |  |       |  |       |
|--|-------|--|-------|
|  | A     |  | A     |
|  | AA    |  | AA    |
|  | B, B* |  | B, B* |
|  | SA    |  | SA    |
|  | SB    |  | SB    |

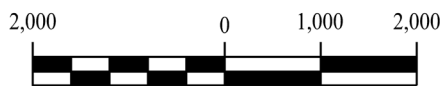
**NOTES:**  
 Surface Water Classifications beginning with S refer to Coastal and Marine Surface Water.  
 B\* is a subset of Class B where no direct wastewater discharges are allowed other than those consistent with Class AA, A and SA surface waters.

**GROUND WATER QUALITY CLASSES**

- GA (white background)
- GAA, GAAs
- GA, GAA may not meet current standards
- GB
- GC

Area of Contribution to Public Supply Well

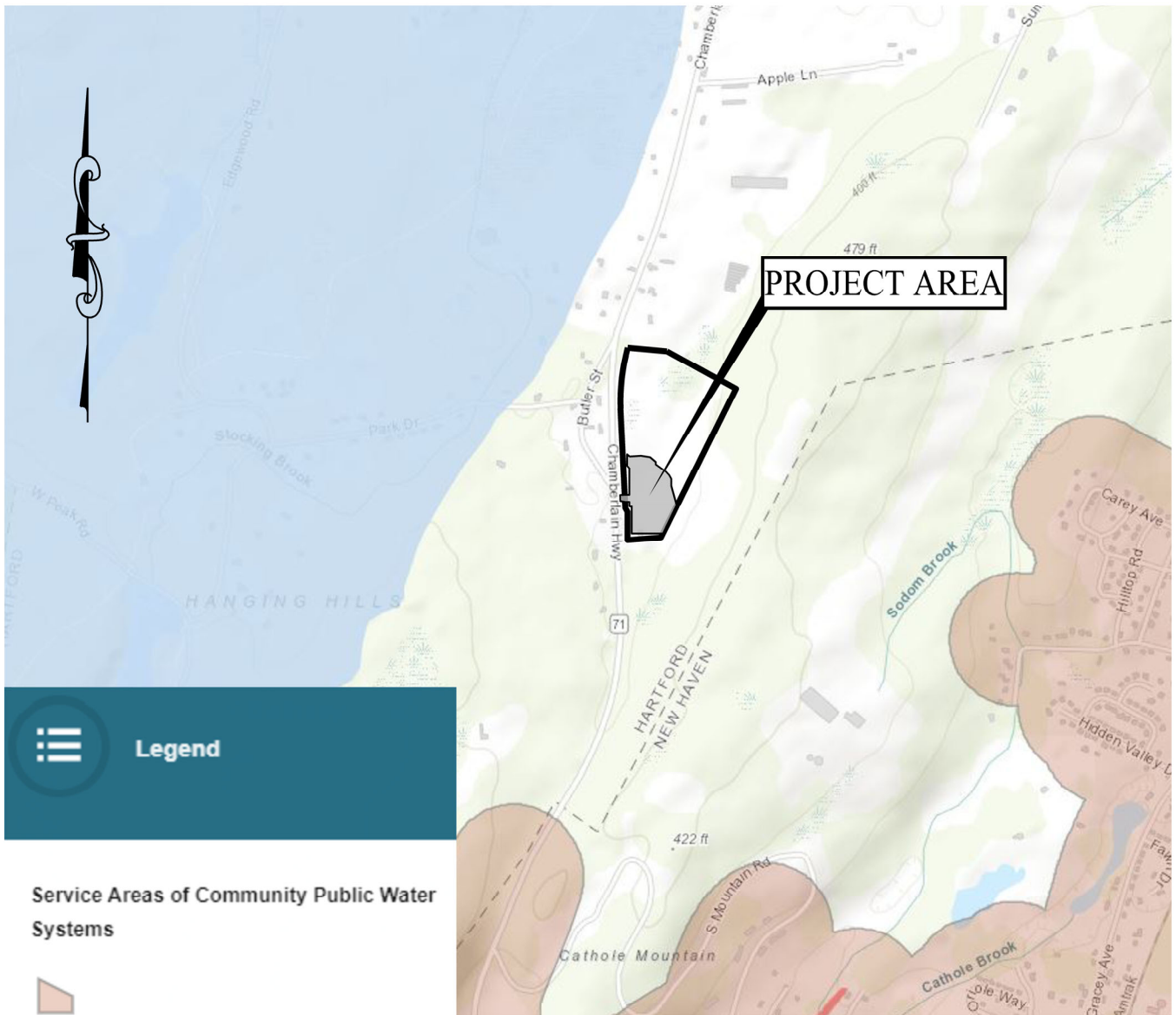
**NOTE:** BASE MAP INFORMATION TAKEN FROM CT DEEP, DATED: OCTOBER, 2018.



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 501 Main Street, Monroe, CT 06468  
 T: (203) 880-5455 F: (203) 880-9695

**WATER QUALITY CLASSIFICATION MAP**  
 0 CHAMBERLAIN HIGHWAY  
 BERLIN, CONNECTICUT

Project #:	23100201
Plan Date:	09/30/23
Scale:	1" = 2,000'
Figure:	4



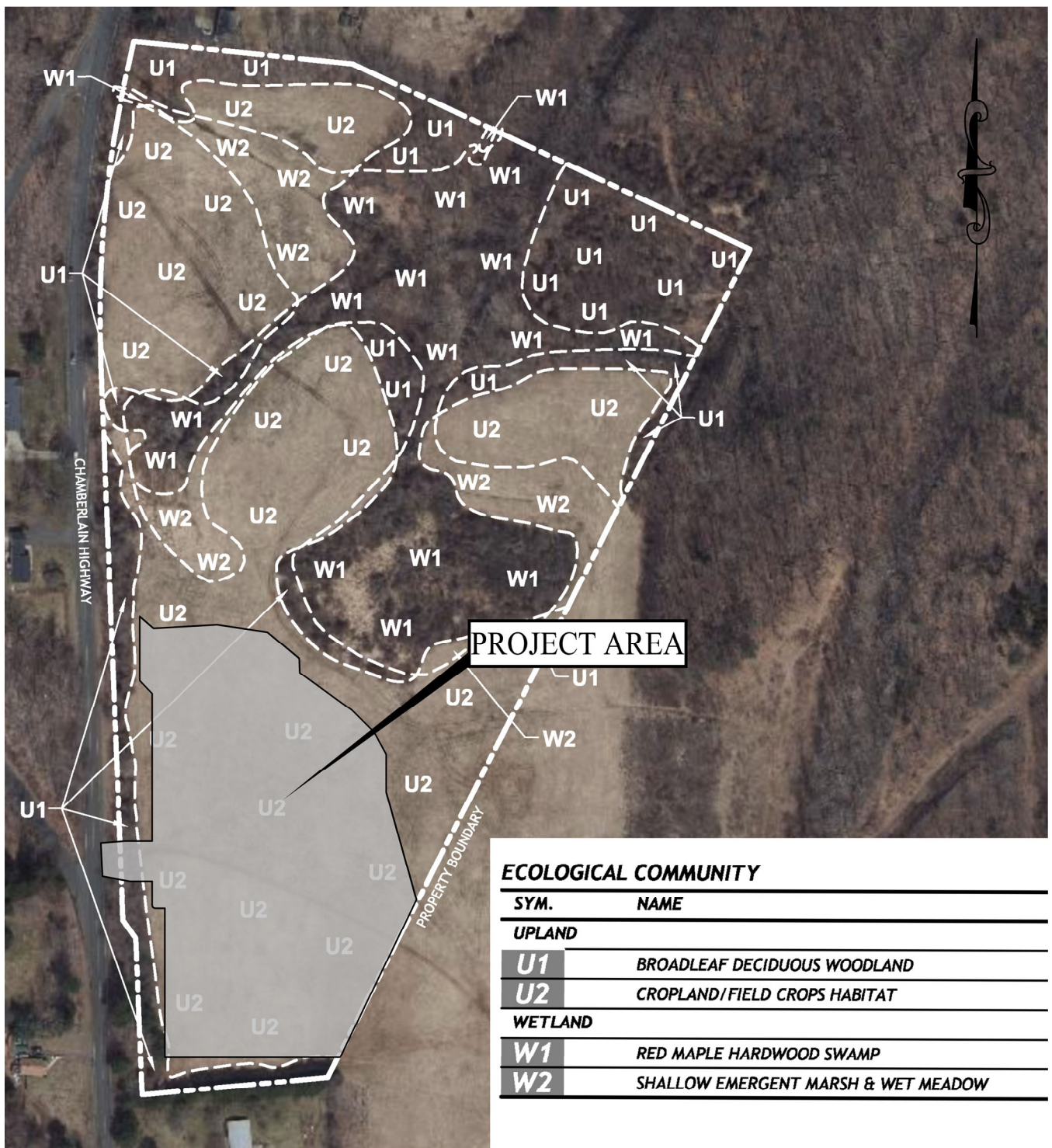
NOTE: BASE MAP INFORMATION TAKEN FROM CONNECTICUT STATE DEPARTMENT OF PUBLIC HEALTH GIS MAP.



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ENGINEERING  
501 Main Street, Monroe, CT 06468  
T: (203) 880-5455 F: (203) 880-9695

**PUBLIC SUPPLY  
WATERSHED MAP**  
0 CHAMBERLAIN HIGHWAY  
BERLIN, CONNECTICUT

Project #:	23100201
Plan Date:	09/30/23
Scale:	1" = 1,500'
Figure:	5



**ECOLOGICAL COMMUNITY**

SYM.	NAME
<b>UPLAND</b>	
<b>U1</b>	BROADLEAF DECIDUOUS WOODLAND
<b>U2</b>	CROPLAND/FIELD CROPS HABITAT
<b>WETLAND</b>	
<b>W1</b>	RED MAPLE HARDWOOD SWAMP
<b>W2</b>	SHALLOW EMERGENT MARSH & WET MEADOW

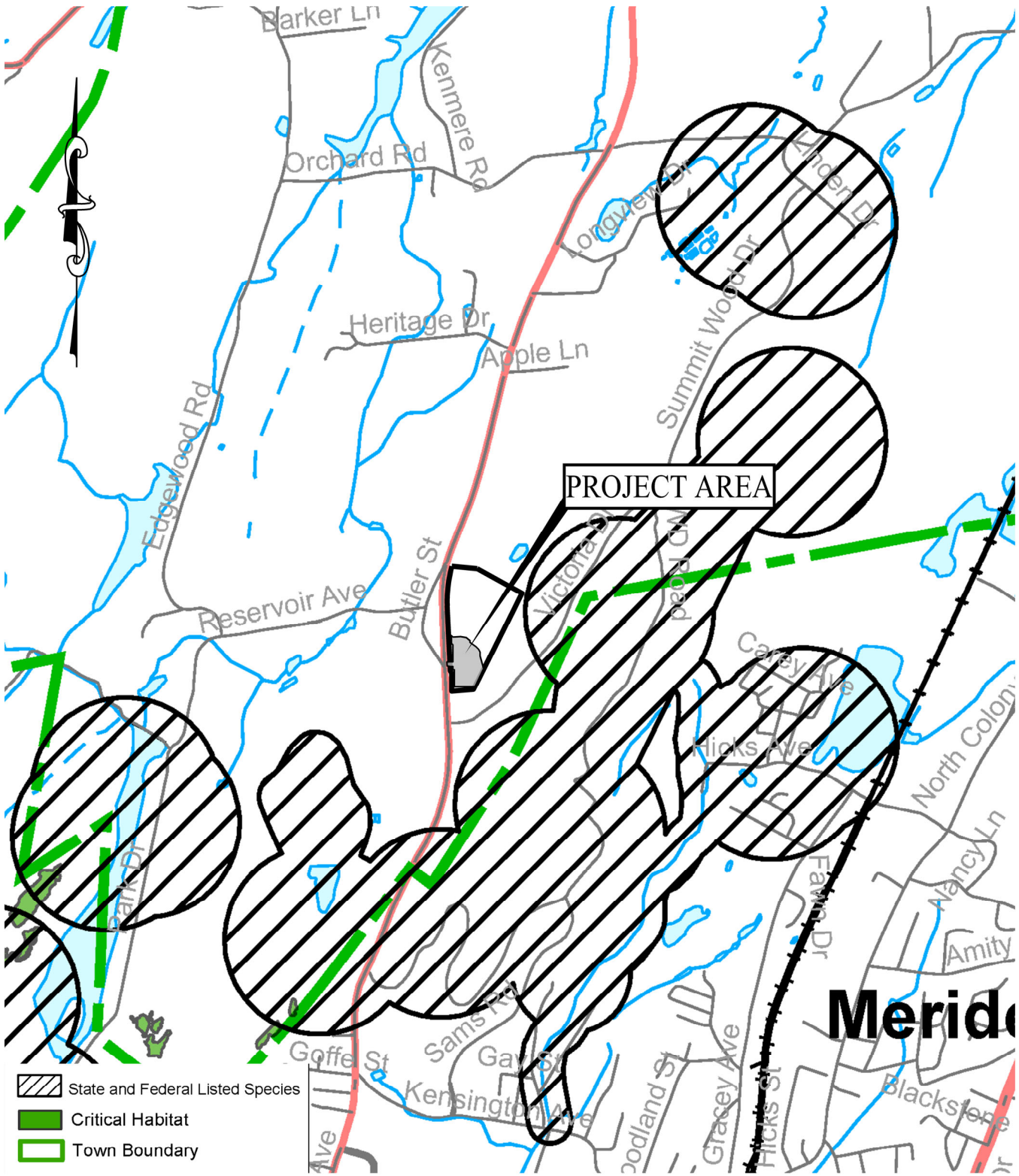
NOTE: BASE MAP INFORMATION TAKEN FROM  
 ECOLOGICAL COMMUNITIES MAP PREPARED BY  
 WILLIAM KENNY ASSOCIATES






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 ENGINEERING  
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 T: (203) 880-5455 F: (203) 880-9695

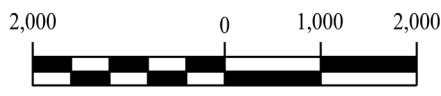
**HABITAT COVER MAP**  
 0 CHAMBERLAIN HIGHWAY  
 BERLIN, CONNECTICUT

Project #: 23100201  
 Plan Date: 09/30/23  
 Scale: 1" = 240'  
 Figure: 6



-  State and Federal Listed Species
-  Critical Habitat
-  Town Boundary

NOTE: BASE MAP INFORMATION TAKEN FROM CT DEEP BUREAU OF NATURAL RESOURCES WILDLIFE DIVISION, DATED: DECEMBER, 2022.



**SOLLI**  
ENGINEERING  
501 Main Street, Monroe, CT 06468  
T: (203) 880-5455 F: (203) 880-9695

NATURAL DIVERSITY DATA  
BASE MAP  
0 CHAMBERLAIN HIGHWAY  
BERLIN, CONNECTICUT

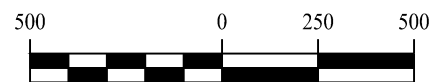
Project #:	23100201
Plan Date:	09/30/23
Scale:	1" = 2,000'
Figure:	7





Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
6	Wilbraham and Menlo soils, 0 to 8 percent slopes, extremely stony	Not prime farmland	3.7	3.0%
12	Raypol silt loam	Farmland of statewide importance	6.1	5.0%
15	Scarboro muck, 0 to 3 percent slopes	Not prime farmland	13.4	11.0%
20A	Ellington silt loam, 0 to 5 percent slopes	All areas are prime farmland	1.2	1.0%
30B	Branford silt loam, 3 to 8 percent slopes	All areas are prime farmland	22.6	18.6%
37C	Manchester gravely sandy loam, 3 to 15 percent slopes	Farmland of statewide importance	23.7	19.5%
37E	Manchester gravely sandy loam, 15 to 45 percent slopes	Not prime farmland	4.2	3.5%
78C	Holyoke-Rock outcrop complex, 3 to 15 percent slopes	Not prime farmland	14.9	12.2%
78E	Holyoke-Rock outcrop complex, 15 to 45 percent slopes	Not prime farmland	6.0	4.9%
79E	Rock outcrop-Holyoke complex, 3 to 45 percent slopes	Not prime farmland	16.3	13.4%
87B	Wethersfield loam, 3 to 8 percent slopes	All areas are prime farmland	1.9	1.6%
89D	Wethersfield loam, 15 to 35 percent slopes, extremely stony	Not prime farmland	6.8	5.6%
W	Water	Not prime farmland	0.7	0.6%
<b>Totals for Area of Interest</b>			<b>121.6</b>	<b>100.0%</b>

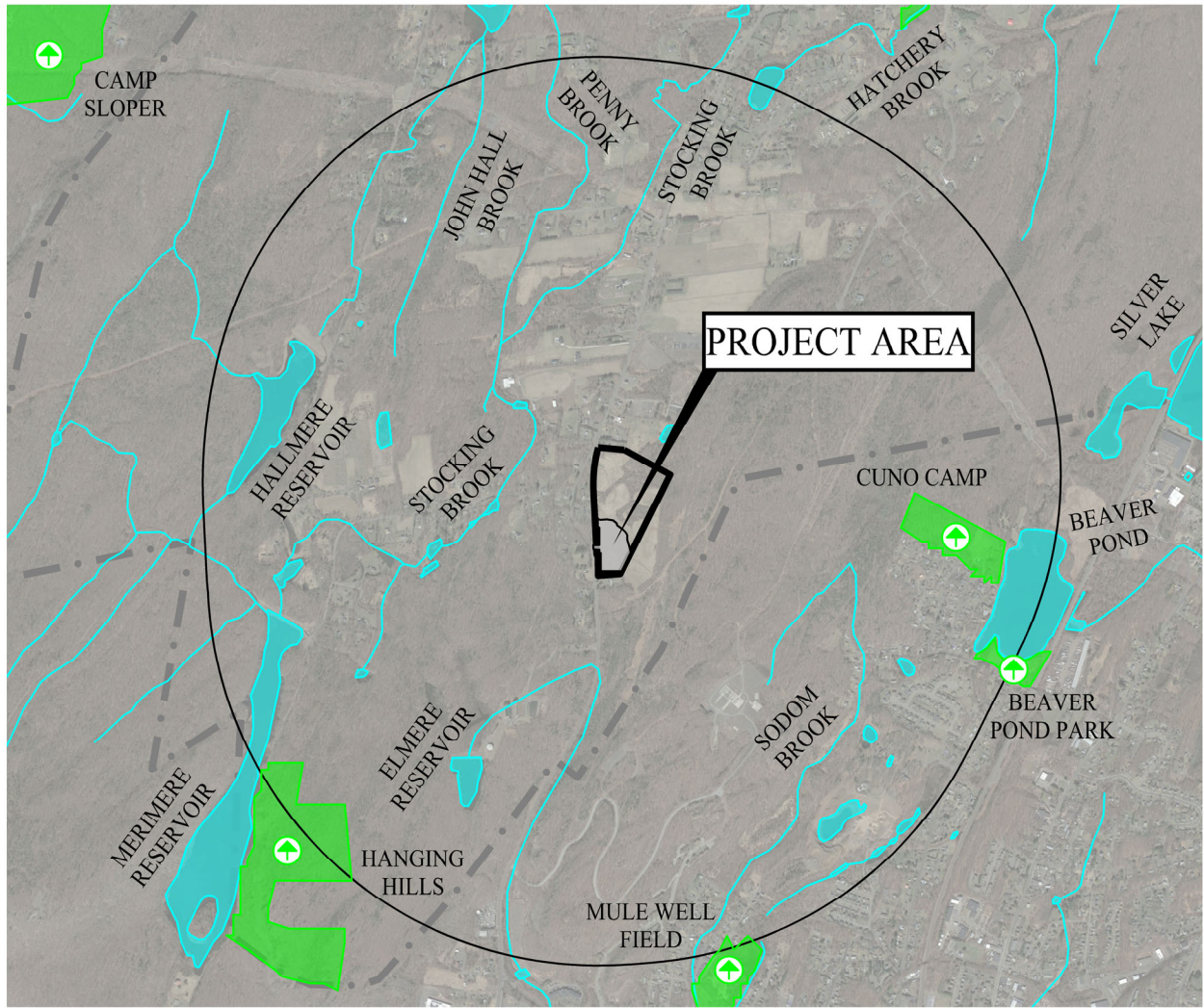
NOTE: BASE MAP RESOURCES TAKEN FROM THE NATURAL RESOURCES CONSERVATION SERVICE, URL: <https://websoilsurvey.sc.egov.usda.gov>



**SOLLI**  
ENGINEERING  
501 Main Street, Monroe, CT 06468  
T: (203) 880-5455 F: (203) 880-9695

**PRIME FARMLAND MAP**  
0 CHAMBERLAIN HIGHWAY  
BERLIN, CONNECTICUT

Project #: 23100201  
Plan Date: 09/30/23  
Scale: 1" = 500'  
Figure: 8



## LEGEND

	PROPERTY LINE		OPEN WATER (CT DEEP)
	1 MILE RADIUS		OPEN SPACE (CT ECO)
	TOWN BOUNDARY		SCHOOL
	NTL. SCENIC ROADWAY		CEMETERY
	STATE SCENIC ROADWAY		PARK
	HIKING TRAIL		
	WATERCOURSES (CT DEEP)		

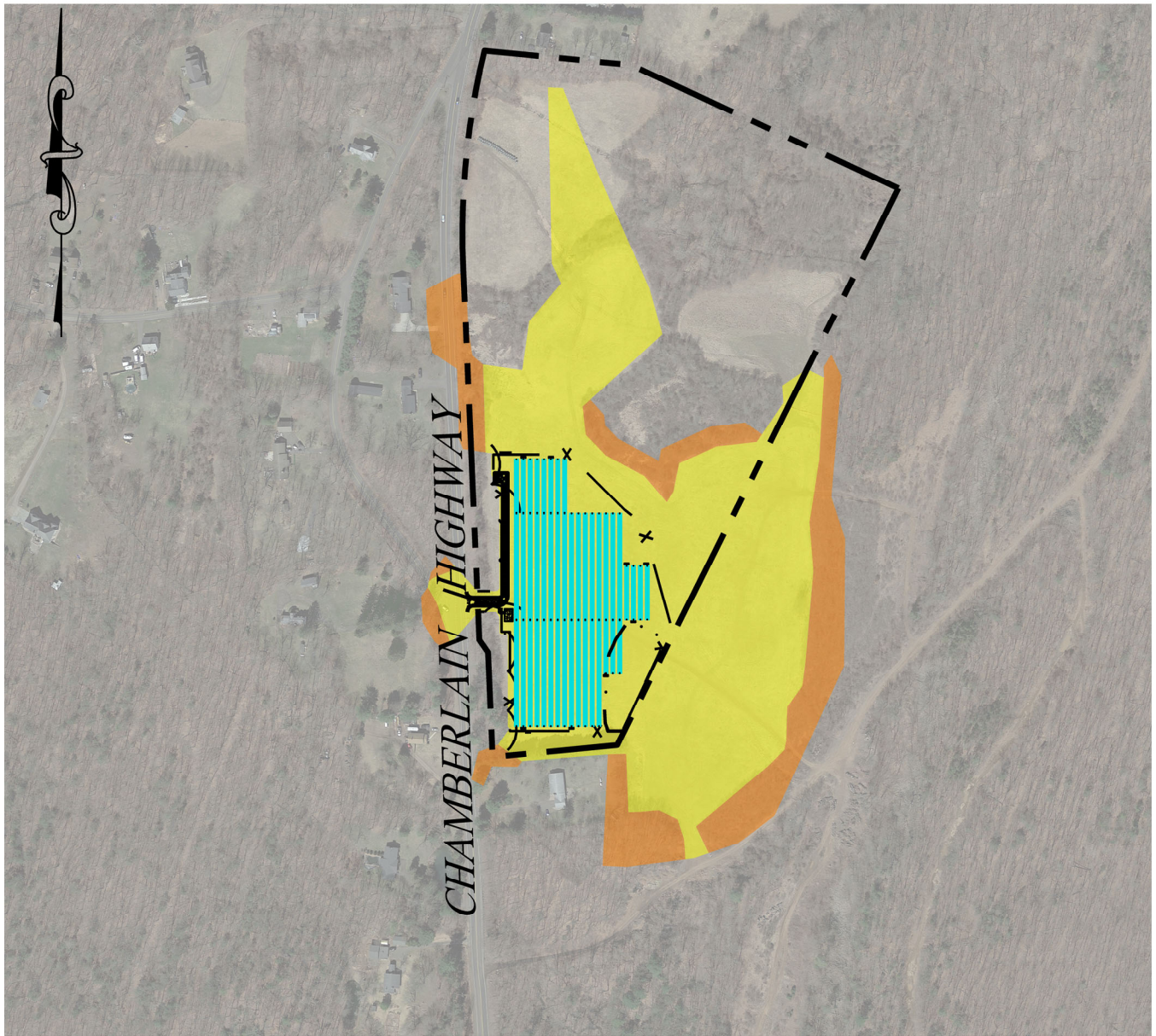
NOTE: BASE MAP INFORMATION TAKEN FROM CT  
ECO OPEN SPACES & CT DEEP HYDROGRAPHY



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ENGINEERING  
501 Main Street, Monroe, CT 06468  
T: (203) 880-5455 F: (203) 880-9695

**SCENIC & RECREATION MAP**  
0 CHAMBERLAIN HIGHWAY  
BERLIN, CONNECTICUT

Project #:	23100201
Plan Date:	09/30/23
Scale:	1" = 2,500'
Figure:	9



## LEGEND



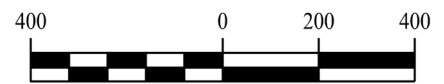
PROPERTY LINE



PREDICTED YEAR-ROUND VISIBILITY



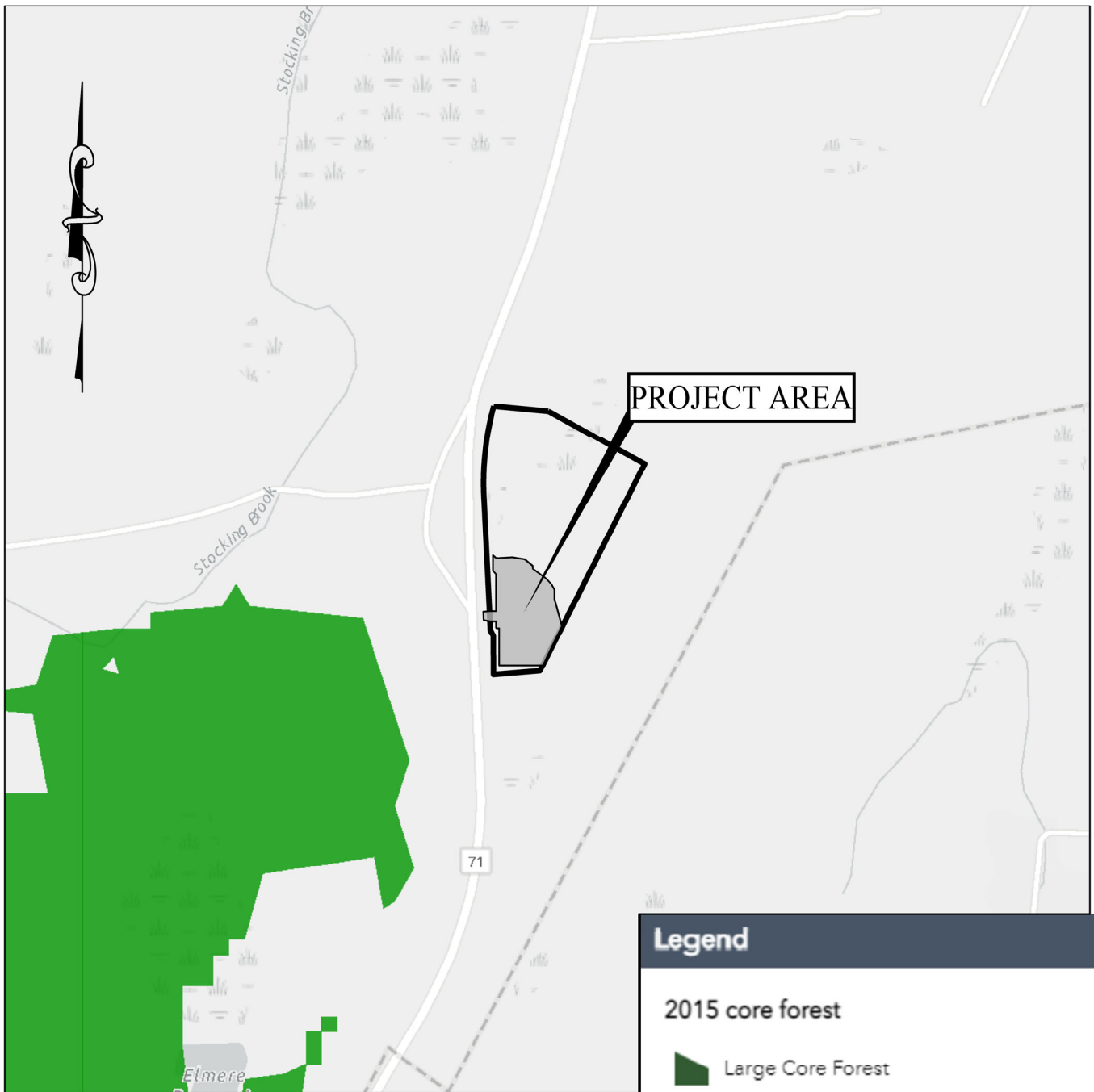
PREDICTED SEASONAL VISIBILITY



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ENGINEERING  
501 Main Street, Monroe, CT 06468  
T: (203) 880-5455 F: (203) 880-9695


PROPOSED CONDITIONS VIEWSHED MAP  
0 CHAMBERLAIN HIGHWAY  
BERLIN, CONNECTICUT

Project #:	23100201
Plan Date:	09/30/23
Scale:	1" = 400'
Figure:	10



**Legend**

2015 core forest

-  Large Core Forest
-  Medium Core Forest
-  Small Core Forest

NOTE: BASE MAP INFORMATION TAKEN FROM CT DEEP 2020 FOREST ACTION PLAN PRIORITY AREA MAPPING



**SOLLI**  
ENGINEERING  
501 Main Street, Monroe, CT 06468  
T: (203) 880-5455 F: (203) 880-9695

**CORE FOREST MAP**  
0 CHAMBERLAIN HIGHWAY  
BERLIN, CONNECTICUT

Project #:	23100201
Plan Date:	09/30/23
Scale:	1" = 1,000'
Figure:	11