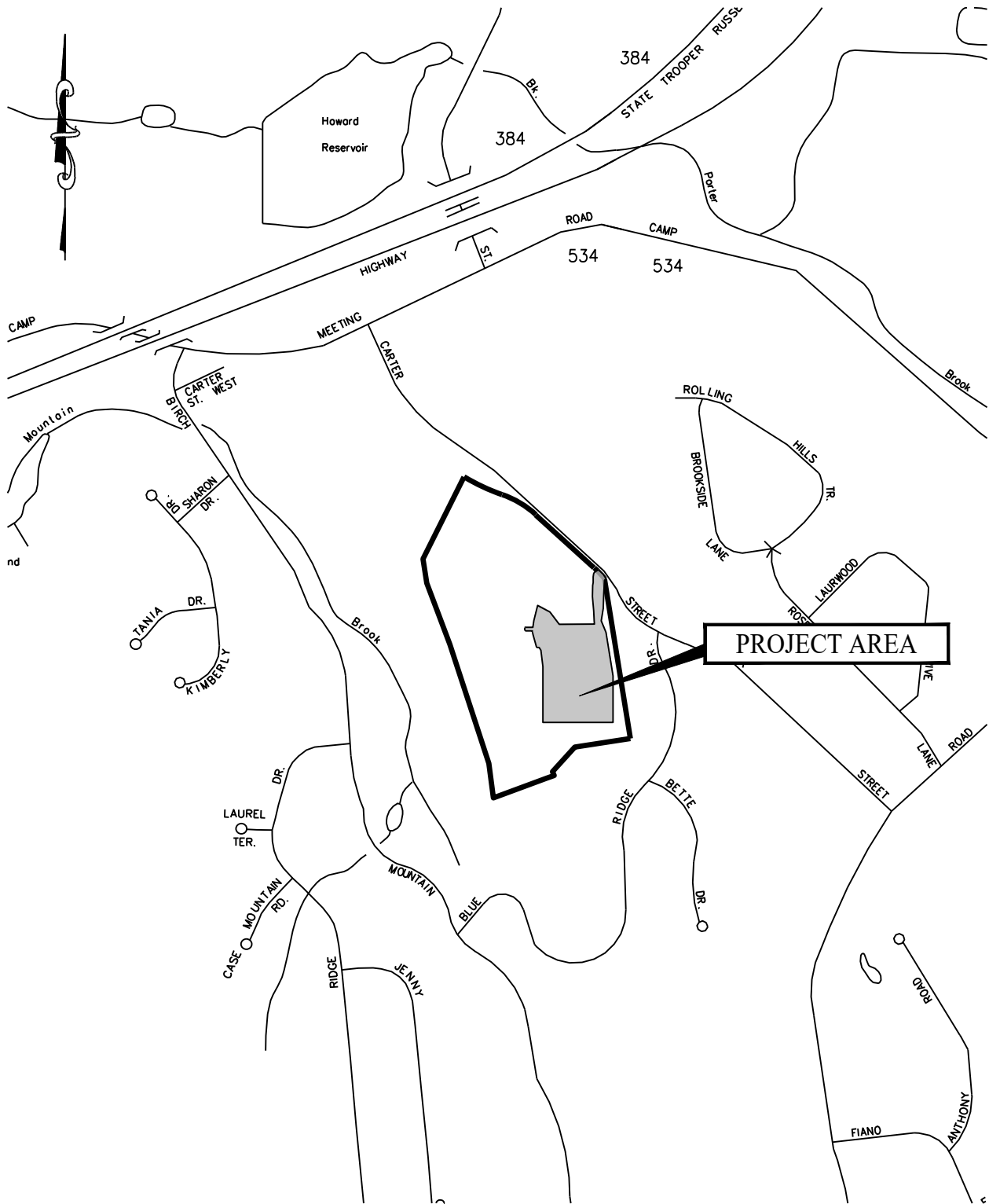
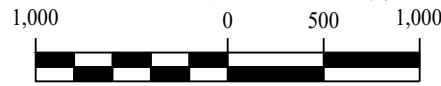


## Appendix A: Figures



**PROJECT AREA**

NOTE: BASE MAP INFORMATION TAKEN FROM CT DOT TRU MAPS 012 & 076



**SOLLI**  
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**SITE LOCATION MAP**  
250 CARTER STREET  
MANCHESTER, CONNECTICUT

Project #:	23100101
Plan Date:	06/19/23
Scale:	1" = 1,000'
Figure:	1




## LEGEND


 FIELD DELINEATED WETLANDS

### 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 US FISH AND WILDLIFE SERVICE



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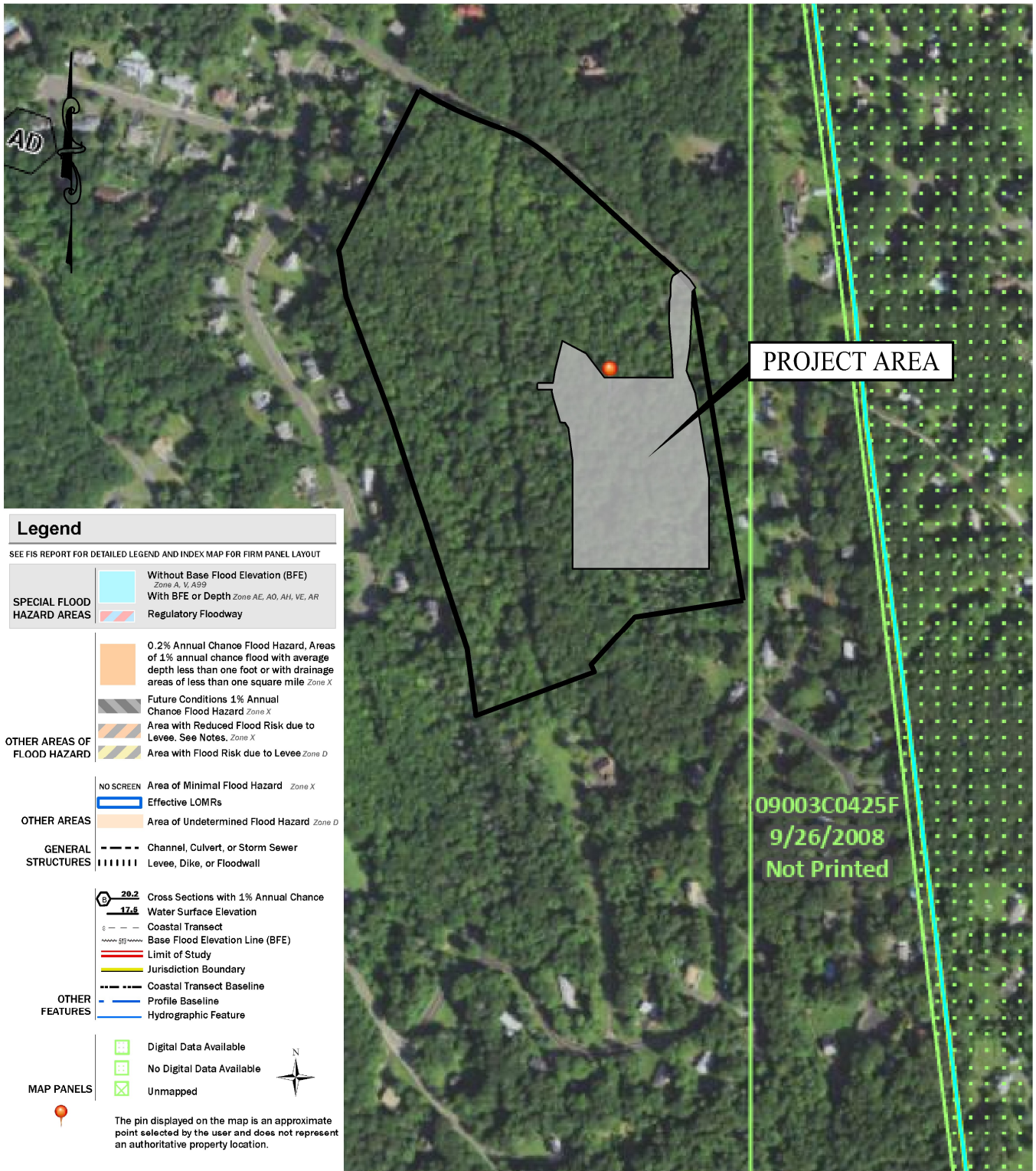
WETLANDS &  
WATERCOURSES MAP  
250 CARTER STREET  
MANCHESTER, CONNECTICUT

Project #: 23100101

Plan Date: 12/27/23

Scale: 1" = 1,000'

Figure: 2



**Legend**

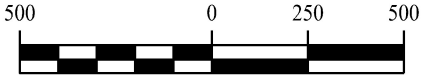
SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

- |                                    |  |  |
|------------------------------------|--|--|
| <b>SPECIAL FLOOD HAZARD AREAS</b>  |  | Without Base Flood Elevation (BFE)<br><i>Zone A, V, A99</i>  |
|                                    |  | With BFE or Depth <i>Zone AE, AO, AH, VE, AR</i>   |
|                                    |  | Regulatory Floodway  |
| <b>OTHER AREAS OF FLOOD HAZARD</b> |  | 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>  |
| <b>OTHER AREAS</b>                 |  | NO SCREEN Area of Minimal Flood Hazard <i>Zone X</i>   |
|                                    |  | Effective LOMRs  |
| <b>GENERAL STRUCTURES</b>          |  | Channel, Culvert, or Storm Sewer   |
|                                    |  | Levee, Dike, or Floodwall  |
| <b>OTHER FEATURES</b>              |  | 20.2<br>17.6<br>Cross Sections with 1% Annual Chance Water Surface Elevation   |
|                                    |  | Coastal Transect   |
|                                    |  | Base Flood Elevation Line (BFE)  |
|                                    |  | Limit of Study   |
|                                    |  | Jurisdiction Boundary  |
|                                    |  | Coastal Transect Baseline  |
| <b>MAP PANELS</b>                  |  | Digital Data Available   |
|                                    |  | No Digital Data Available  |
|                                    |  | Unmapped   |
- The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

**PROJECT AREA**

09003C0425F  
9/26/2008  
Not Printed

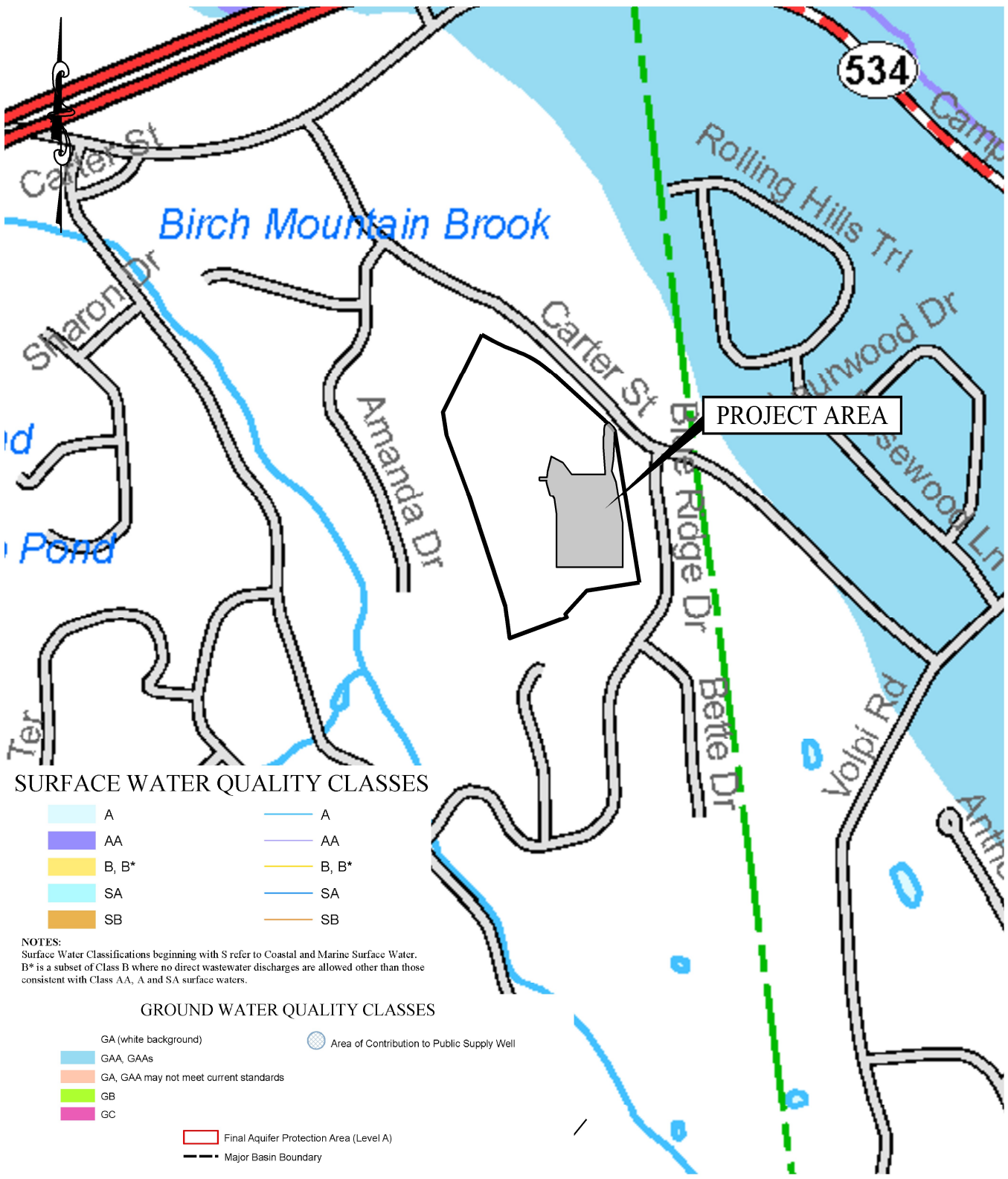
NOTE: BASE MAP INFORMATION TAKEN FROM FEMA FLOOD INSURANCE RATE MAP NUMBER 09003C0413F, EFFECTIVE 09/26/08













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**FEMA FLOOD MAP**  
250 CARTER STREET  
MANCHESTER, CONNECTICUT

Project #:	23100101
Plan Date:	12/27/23
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)                   |  Area of Contribution to Public Supply Well |
|  GAA, GAAs                               |  |
|  GA, GAA may not meet current standards  |  |
|  GB                                      |  |
|  GC                                      |  |
|  Final Aquifer Protection Area (Level A) |  |
|  Major Basin Boundary                    |  |

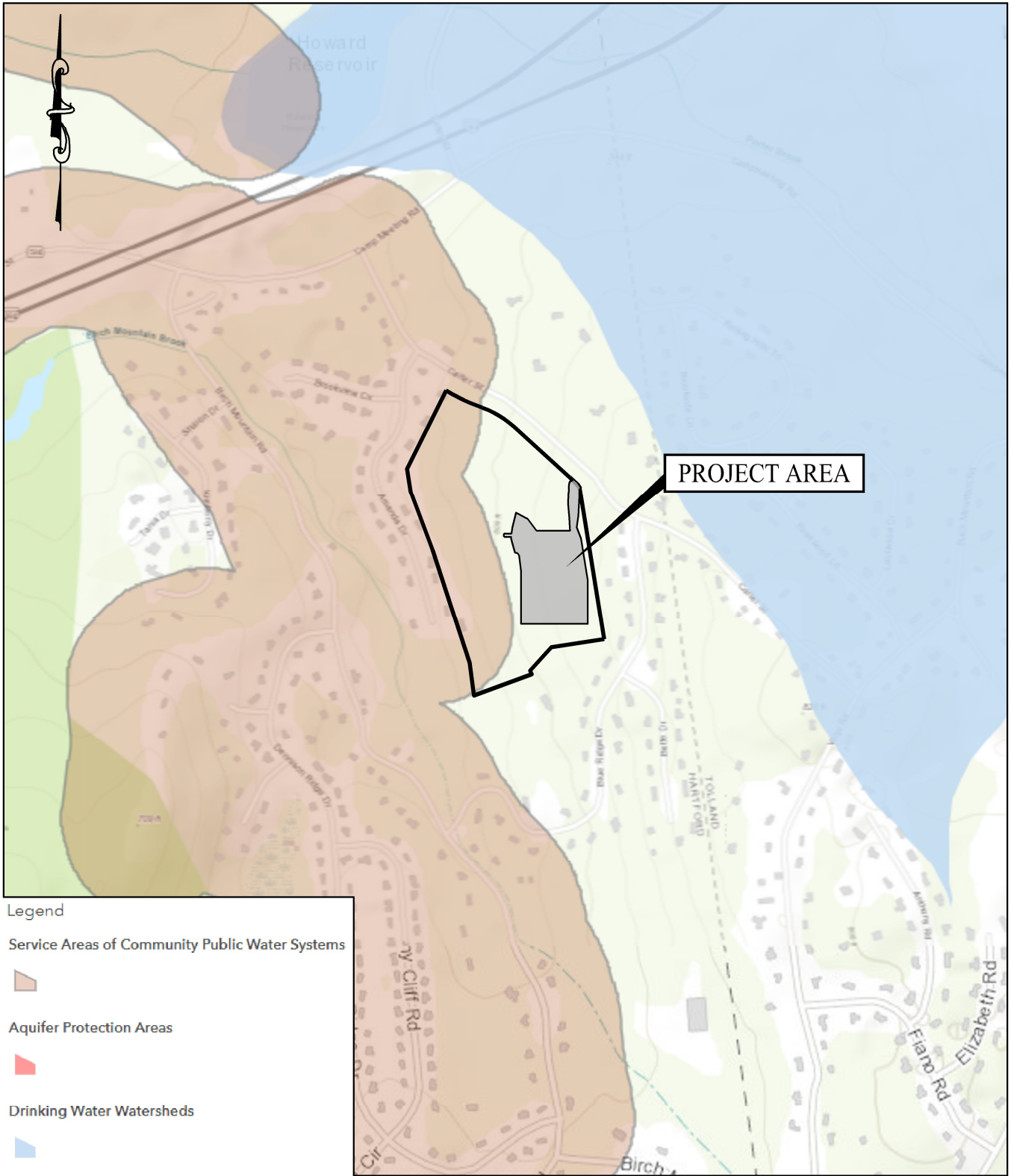
**NOTE: BASE MAP INFORMATION TAKEN FROM CT DEEP, DATED: OCTOBER 2018**



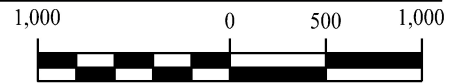
**SOLLI ENGINEERING**  
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 T: (203) 880-5455 F: (203) 880-9695

**WATER QUALITY CLASSIFICATION MAP**  
 250 CARTER STREET  
 MANCHESTER, CONNECTICUT

Project #:	23100101
Plan Date:	12/27/23
Scale:	1" = 1,000'
Figure:	4



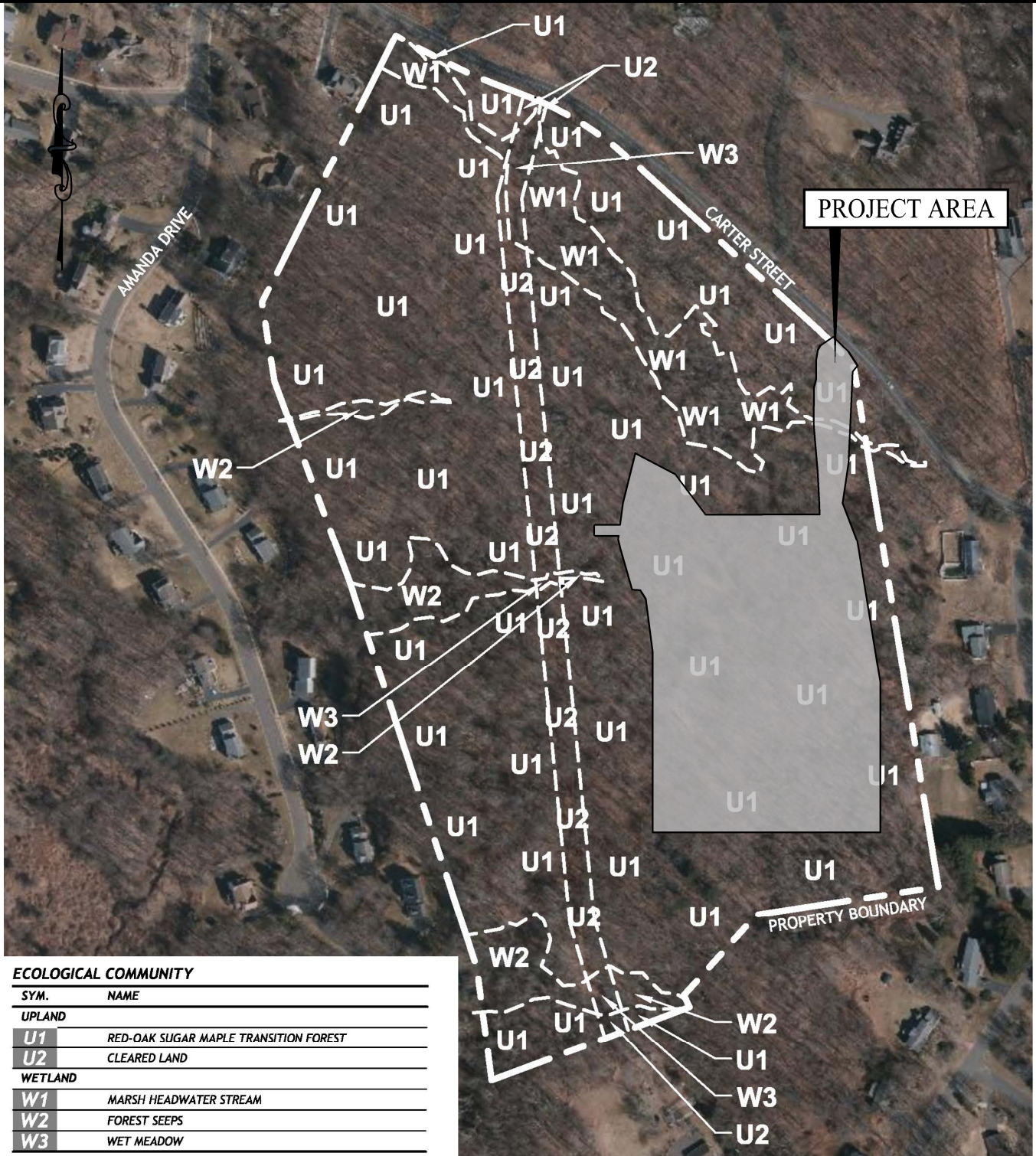
NOTE: BASE MAP INFORMATION TAKEN FROM CT STATE DEPARTMENT OF PUBLIC HEALTH GIS MAP



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**PUBLIC SUPPLY  
WATERSHED MAP**  
250 CARTER STREET  
MANCHESTER, CONNECTICUT

Project #:	23100101
Plan Date:	12/27/23
Scale:	1" = 1,000'
Figure:	5



**ECOLOGICAL COMMUNITY**

SYM.	NAME
<b>UPLAND</b>	
U1	RED-OAK SUGAR MAPLE TRANSITION FOREST
U2	CLEARED LAND
<b>WETLAND</b>	
W1	MARSH HEADWATER STREAM
W2	FOREST SEEPS
W3	WET MEADOW

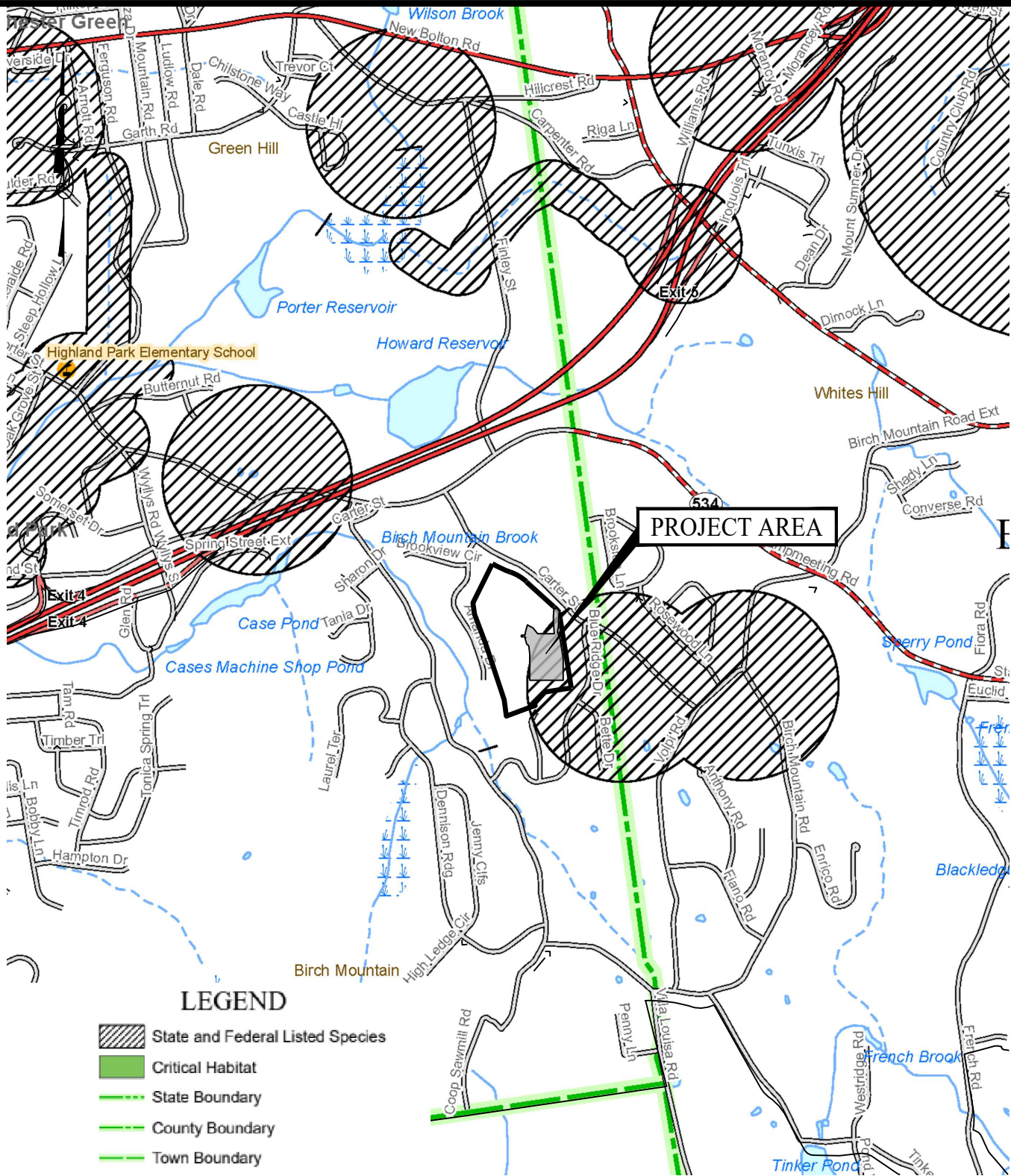
NOTE: BASE MAP INFORMATION TAKEN FROM  
 ECOLOGICAL COMMUNITIES MAP PREPARED BY  
 WILLIAM KENNY ASSOCIATES



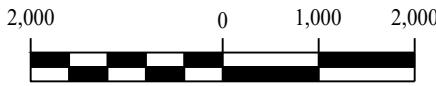
**SOLLI**  
 ENGINEERING  
 501 Main Street, Monroe, CT 06468  
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**HABITAT COVER MAP**  
 37 HUNTERS LANE  
 SOUTHLINGTON, CONNECTICUT

23100101  
 12/27/2023  
 1" = 300'



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

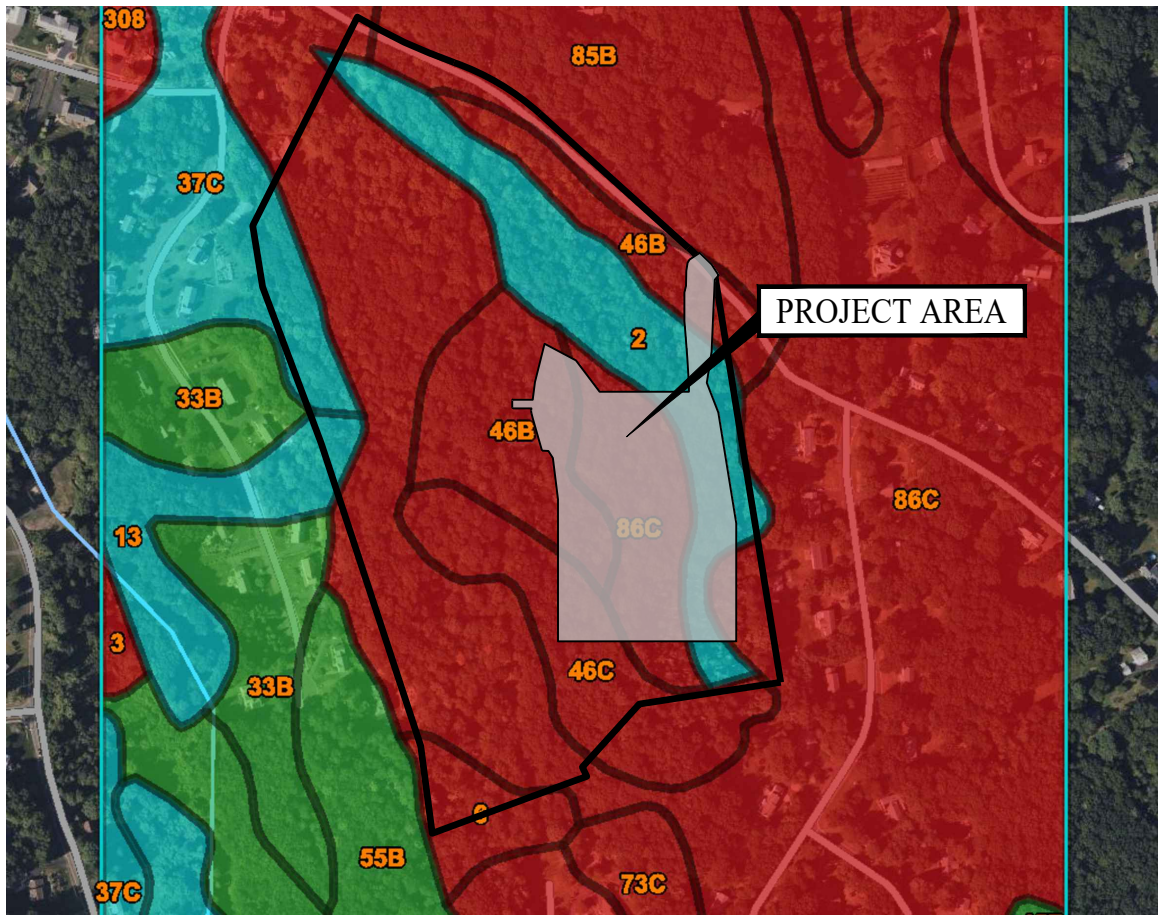


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**NATURAL DIVERSITY  
 DATA BASE MAP**  
 250 CARTER STREET  
 MANCHESTER, CONNECTICUT

Project #:	23100101
Plan Date:	06/19/23
Scale:	1" = 2,000'
Figure:	7





Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
2	Ridgebury fine sandy loam, 0 to 3 percent slopes	Farmland of statewide importance	7.7	4.2%
6	Wilbraham and Menlo soils, 0 to 8 percent slopes, extremely stony	Not prime farmland	2.2	1.2%
13	Walpole sandy loam, 0 to 3 percent slopes	Farmland of statewide importance	5.0	2.7%
33B	Hartford sandy loam, 3 to 8 percent slopes	All areas are prime farmland	8.7	4.8%
37C	Manchester gravelly sandy loam, 3 to 15 percent slopes	Farmland of statewide importance	10.8	5.9%
46B	Woodbridge fine sandy loam, 0 to 8 percent slopes, very stony	Not prime farmland	16.9	9.3%
46C	Woodbridge fine sandy loam, 8 to 15 percent slopes, very stony	Not prime farmland	5.8	3.2%
85B	Paxton and Montauk fine sandy loams, 3 to 8 percent slopes, very stony	Not prime farmland	17.1	9.4%
86C	Paxton and Montauk fine sandy loams, 3 to 15 percent slopes, extremely stony	Not prime farmland	71.6	39.2%

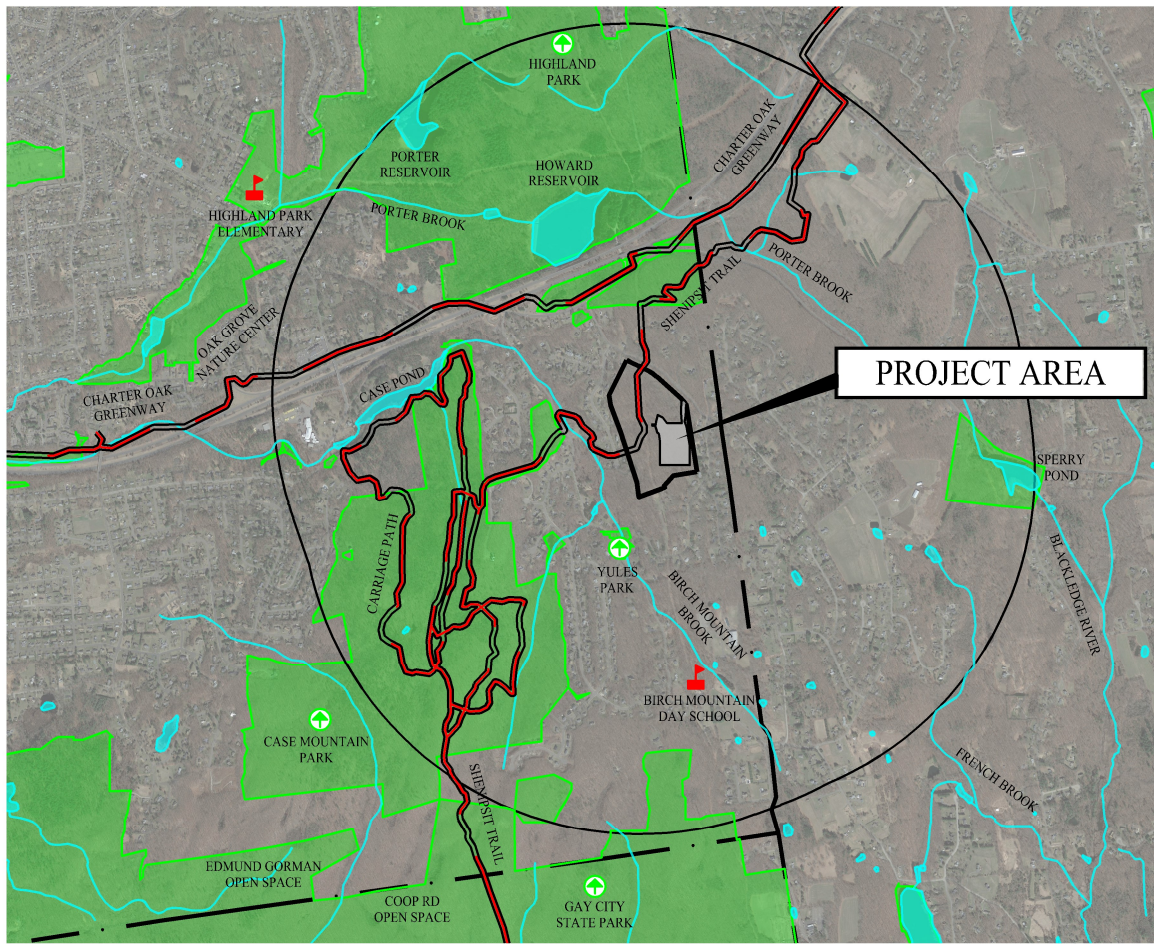
NOTE: BASE MAP RESOURCES TAKEN FROM THE NATURAL RESOURCES CONSERVATION SERVICE, URL: <https://websoilsurvey.sc.egov.usda.gov>



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**PRIME FARMLAND MAP**  
250 CARTER STREET  
MANCHESTER, CONNECTICUT

Project #: 23100101  
Plan Date: 06/20/23  
Scale: 1" = 500'  
Figure: 8



**PROJECT AREA**

## 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)		

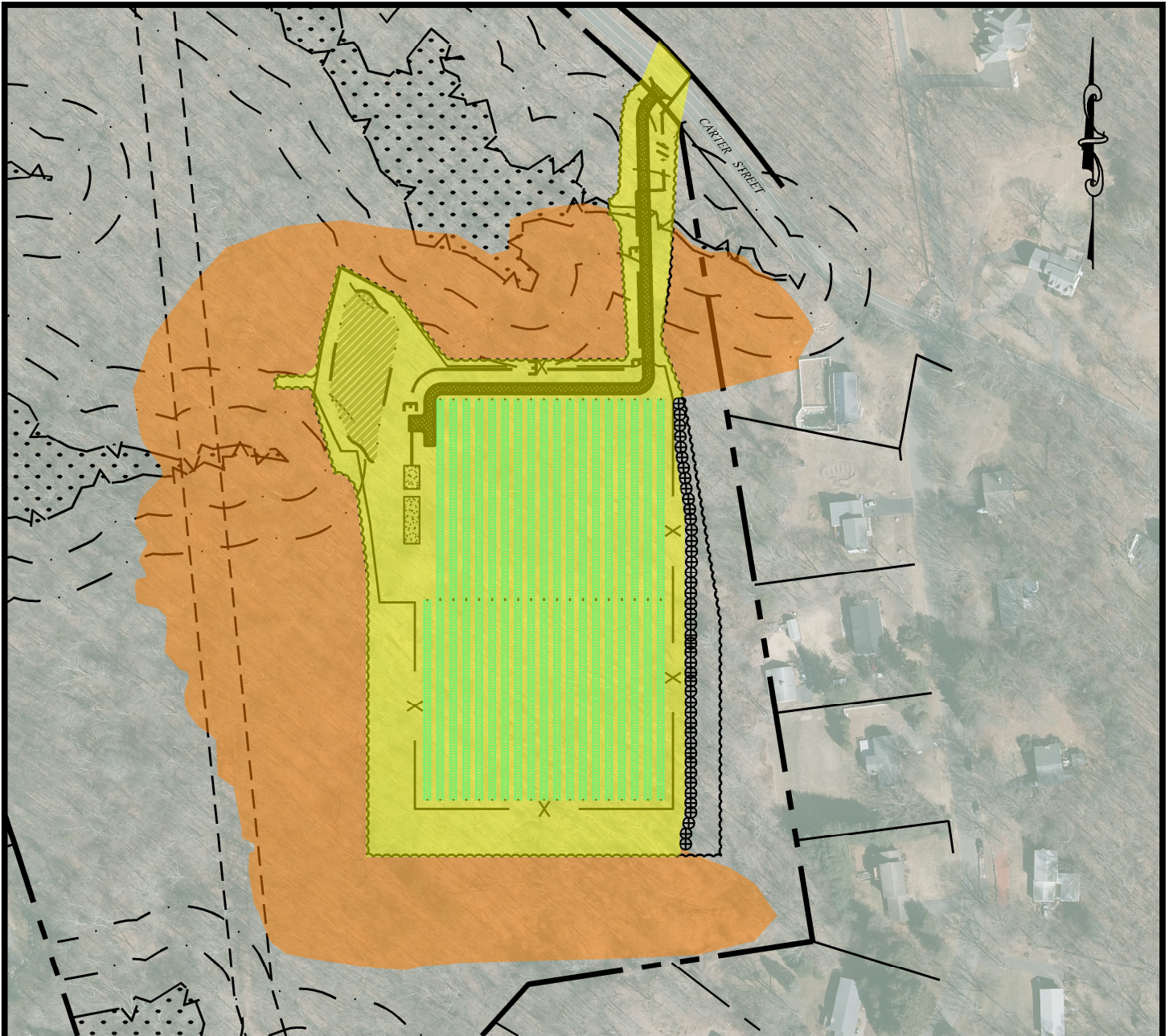
NOTE: BASE MAP RESOURCES TAKEN FROM CT ECO OPEN SPACE MAPPING AND CT DEEP HYDROGRAPHY. HIKING TRAILS NOT FOUND IN DEEP TRAILS SET TAKEN FROM <https://ctwoodlands.org/>



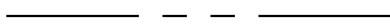
**SOLLI**  
ENGINEERING  
501 Main Street, Monroe, CT 06468  
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**SCENIC & RECREATION MAP**  
250 CARTER STREET  
MANCHESTER, CONNECTICUT

Project #:	23100101
Plan Date:	12/27/23
Scale:	1" = 3,000'
Figure:	9



## LEGEND



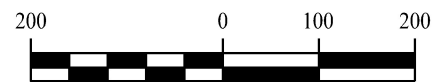
PROPERTY LINE



PREDICTED YEAR-ROUND VISIBILITY



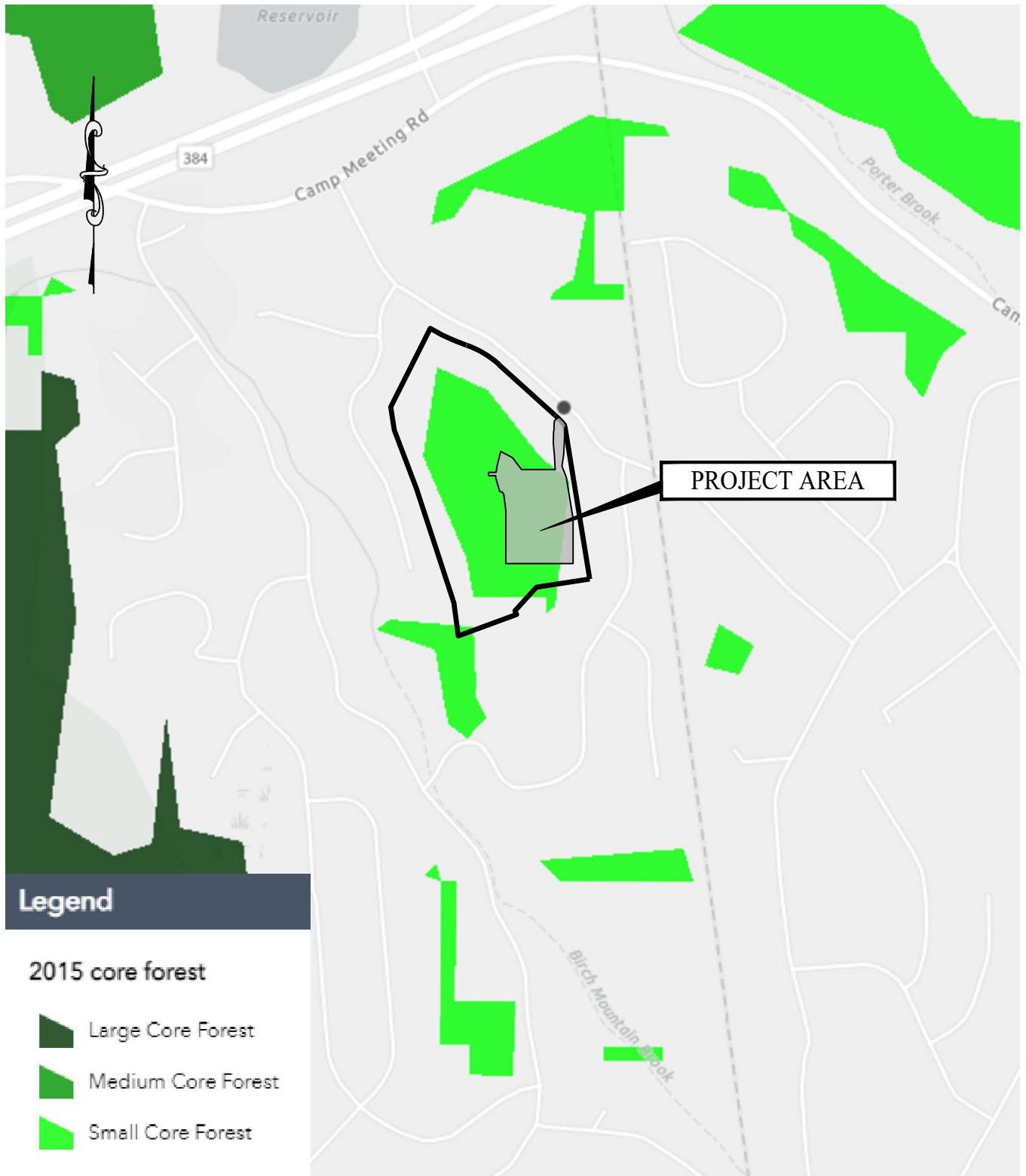
PREDICTED SEASONAL VISIBILITY



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PROPOSED CONDITIONS VIEWSHED MAP  
250 CARTER STREET  
MANCHESTER, CONNECTICUT

Project #:	23100101
Plan Date:	11/16/23
Scale:	1" = 200'
Figure:	10



**Legend**

**2015 core forest**

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

NOTE: BASE MAP INFORMATION TAKEN FROM ARCGIS 2020 FOREST ACTION PLAN PRIORITY AREAS



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**CORE FOREST MAP**  
250 CARTER STREET  
MANCHESTER, CONNECTICUT

Project #:	23100101
Plan Date:	06/20/23
Scale:	1" = 1,000'
Figure:	11