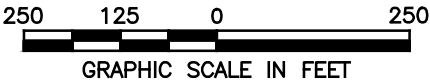


FIGURE 18:

VERNAL POOL L
PROPOSED CONDITIONS
North Stonington Solar Facility



- LIMIT OF WETLANDS
- VERNAL POOL ENVELOPE (VPE)
- CRITICAL TERRESTRIAL HABITAT (CTH)
- PROPOSED LIMIT OF DISTURBANCE
- LIMIT OF PROPOSED SOLAR ARRAY

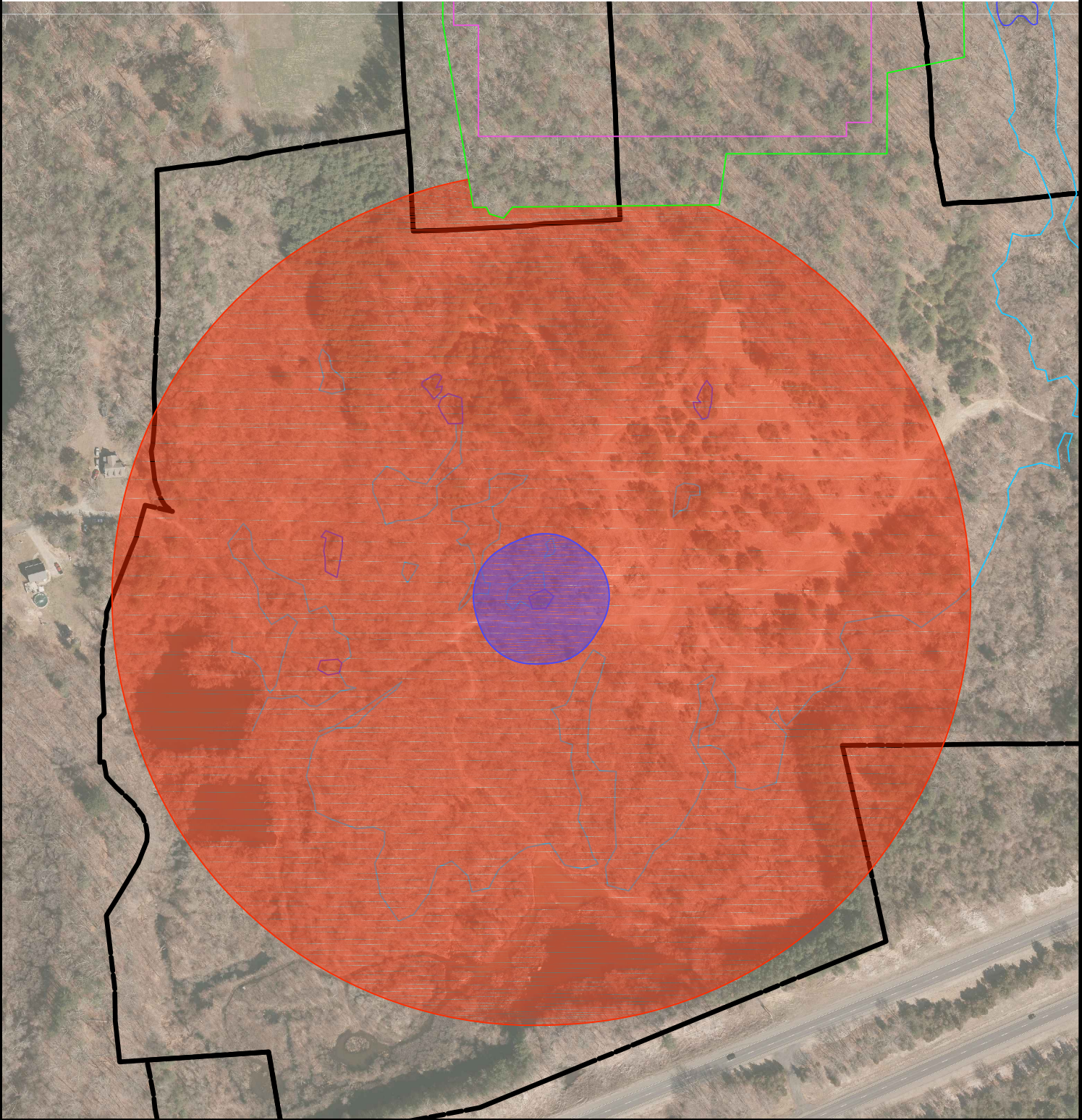


FIGURE 19:

VERNAL POOL N
EXISTING CONDITIONS
North Stonington Solar Facility

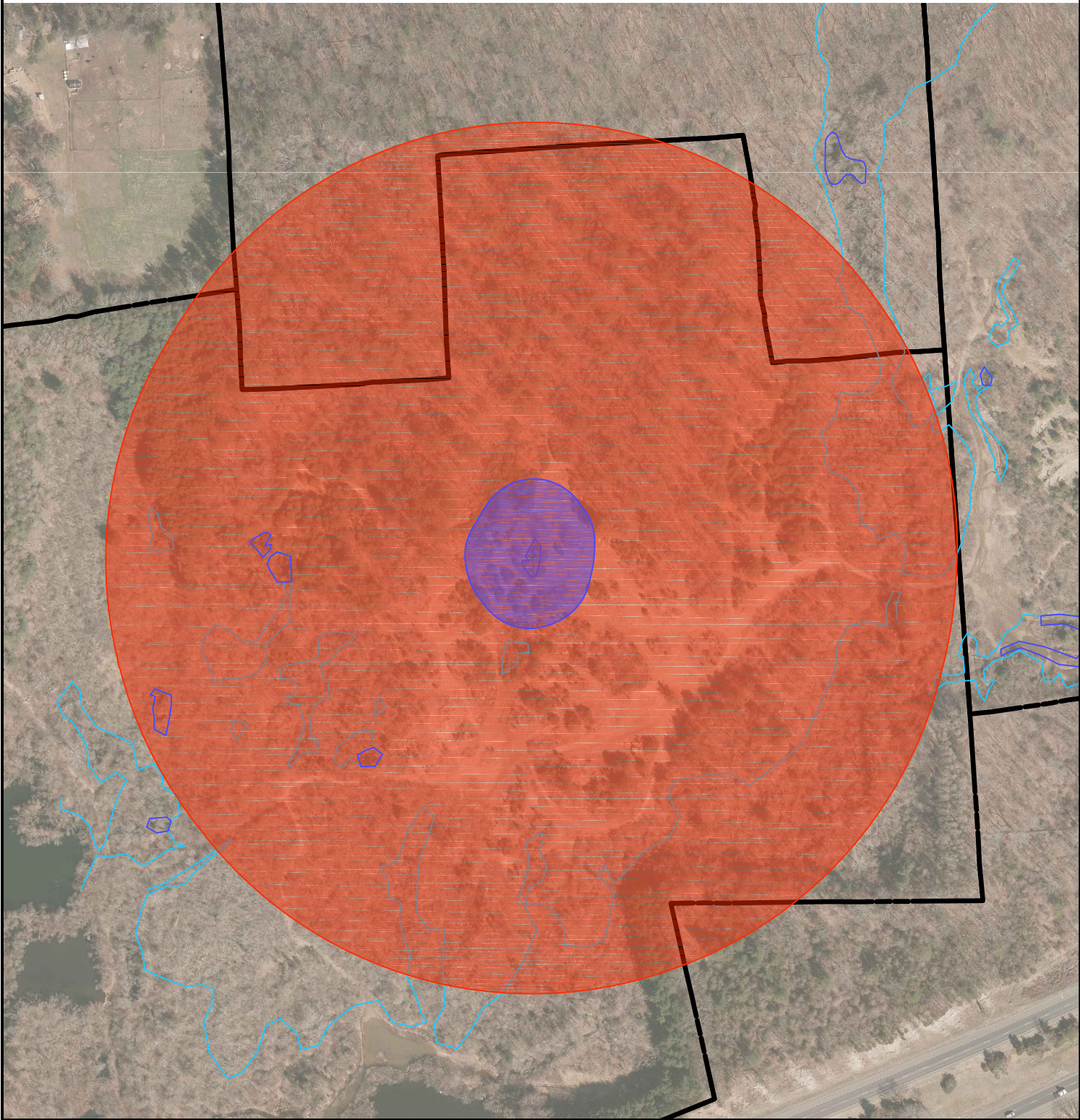
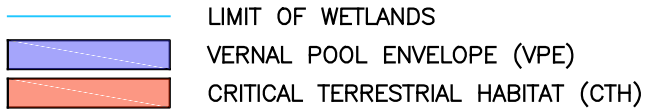
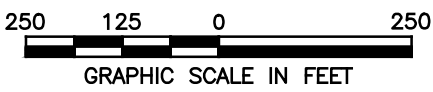
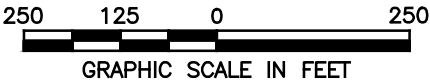


FIGURE 20:

VERNAL POOL N
PROPOSED CONDITIONS
North Stonington Solar Facility



- LIMIT OF WETLANDS
- VERNAL POOL ENVELOPE (VPE)
- CRITICAL TERRESTRIAL HABITAT (CTH)
- PROPOSED LIMIT OF DISTURBANCE
- LIMIT OF PROPOSED SOLAR ARRAY

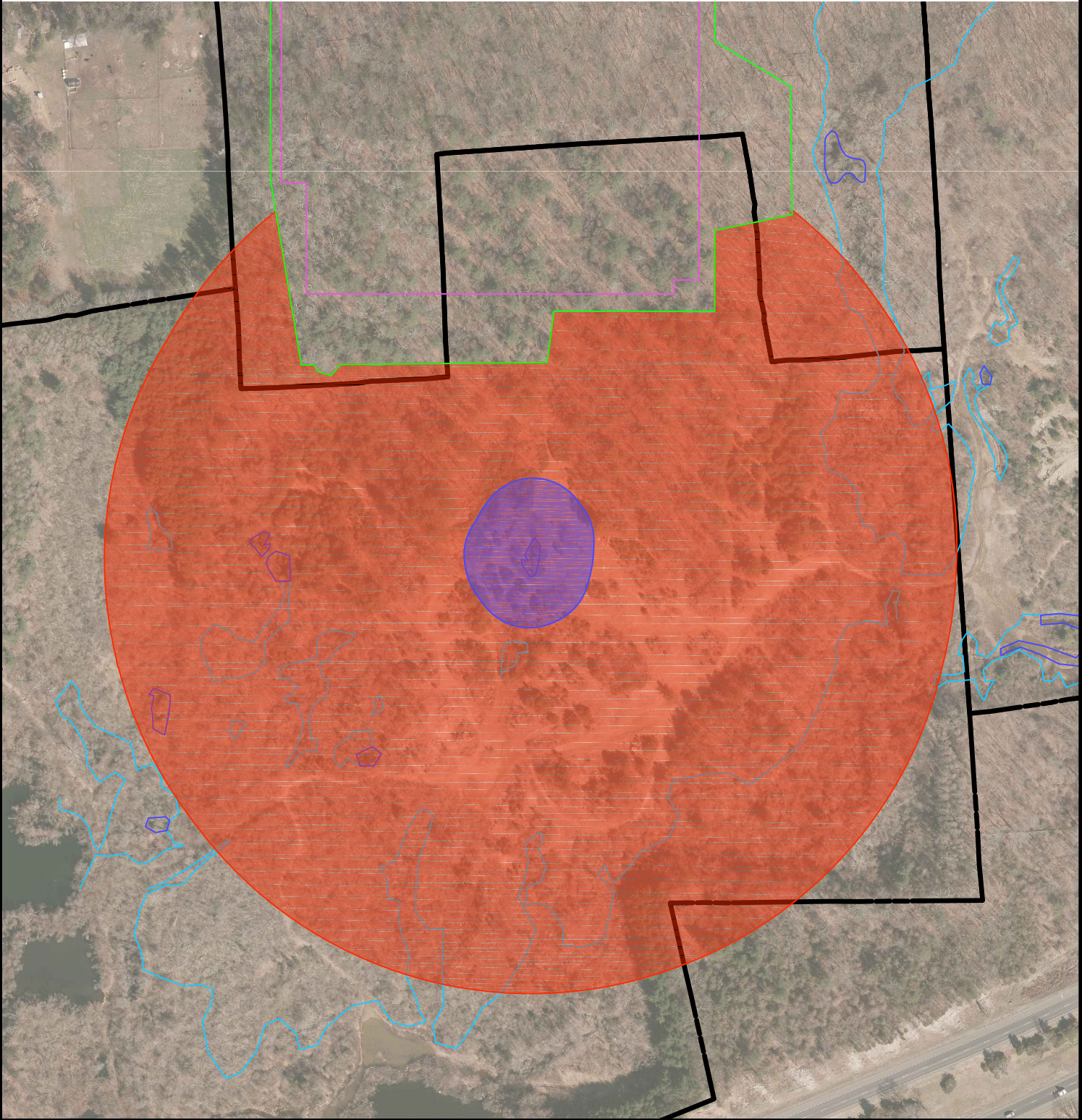


FIGURE 21:

VERNAL POOL O
EXISTING CONDITIONS
North Stonington Solar Facility

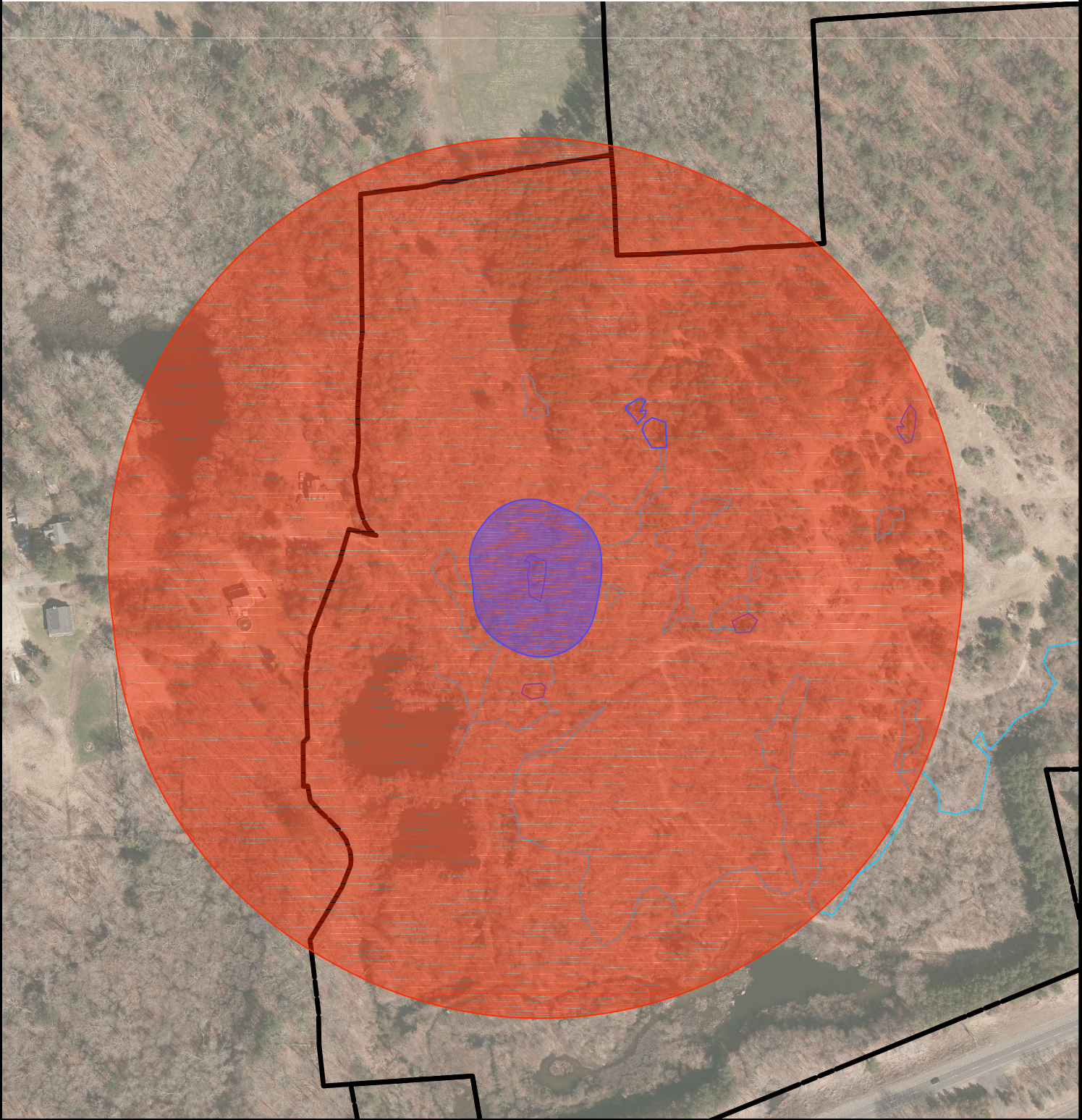
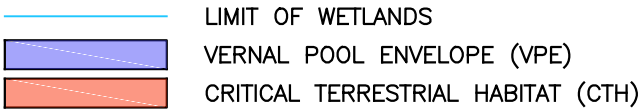
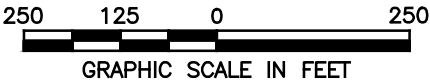
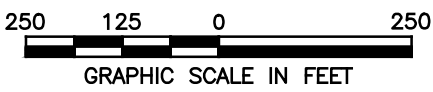


FIGURE 22:

VERNAL POOL O
PROPOSED CONDITIONS
North Stonington Solar Facility



- LIMIT OF WETLANDS
- VERNAL POOL ENVELOPE (VPE)
- CRITICAL TERRESTRIAL HABITAT (CTH)
- PROPOSED LIMIT OF DISTURBANCE
- LIMIT OF PROPOSED SOLAR ARRAY

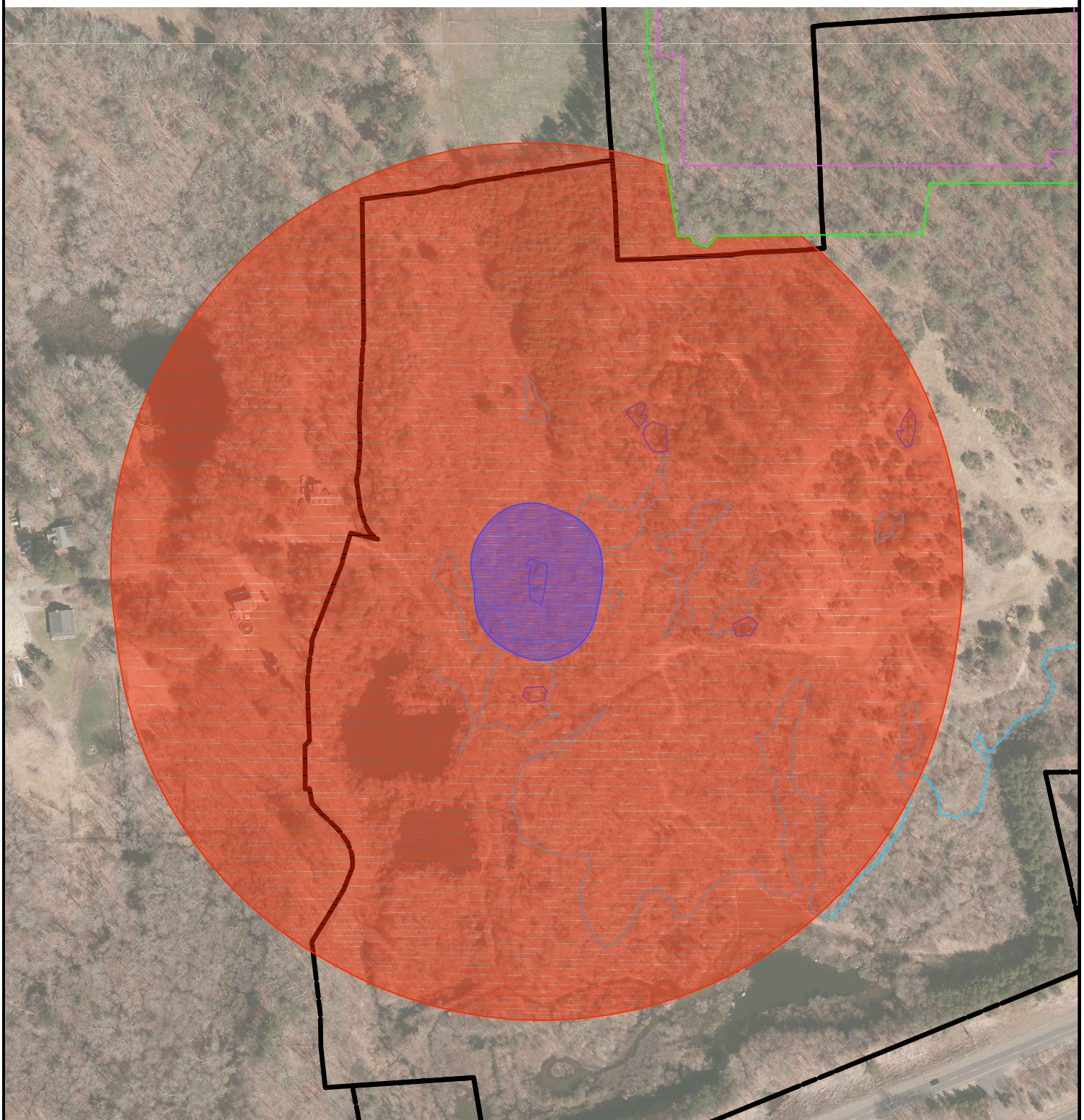


FIGURE 23:

VERNAL POOL 1H
EXISTING CONDITIONS
North Stonington Solar Facility

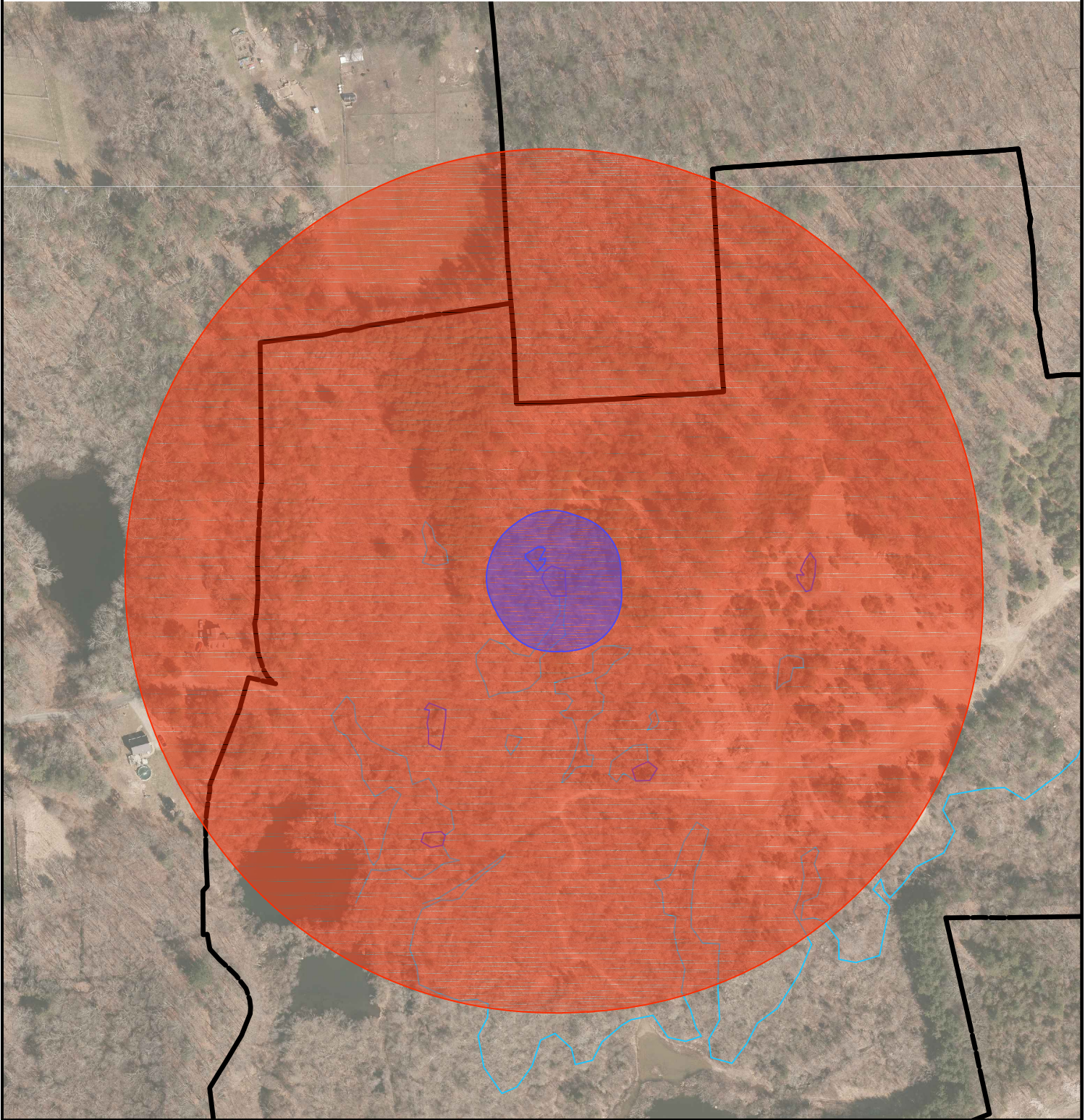
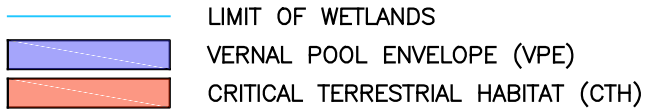
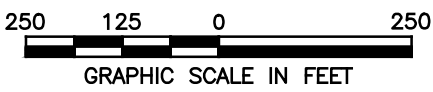
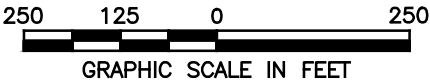


FIGURE 24:

VERNAL POOL 1H
PROPOSED CONDITIONS
North Stonington Solar Facility



- LIMIT OF WETLANDS
- VERNAL POOL ENVELOPE (VPE)
- CRITICAL TERRESTRIAL HABITAT (CTH)
- PROPOSED LIMIT OF DISTURBANCE
- LIMIT OF PROPOSED SOLAR ARRAY

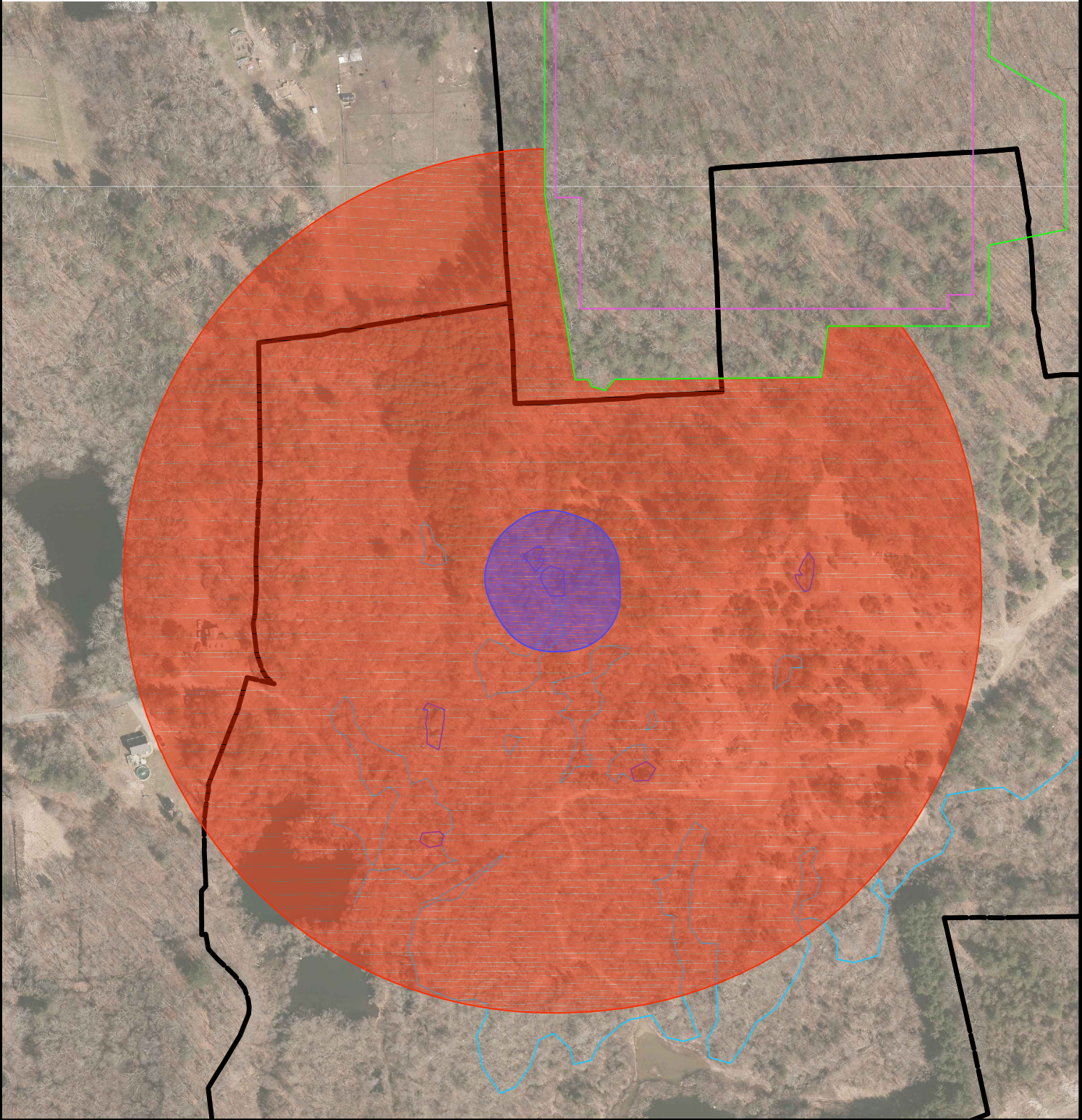
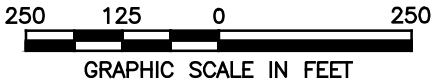


FIGURE 25:

VERNAL POOL 3E
EXISTING CONDITIONS
North Stonington Solar Facility



- LIMIT OF WETLANDS
- VERNAL POOL ENVELOPE (VPE)
- CRITICAL TERRESTRIAL HABITAT (CTH)

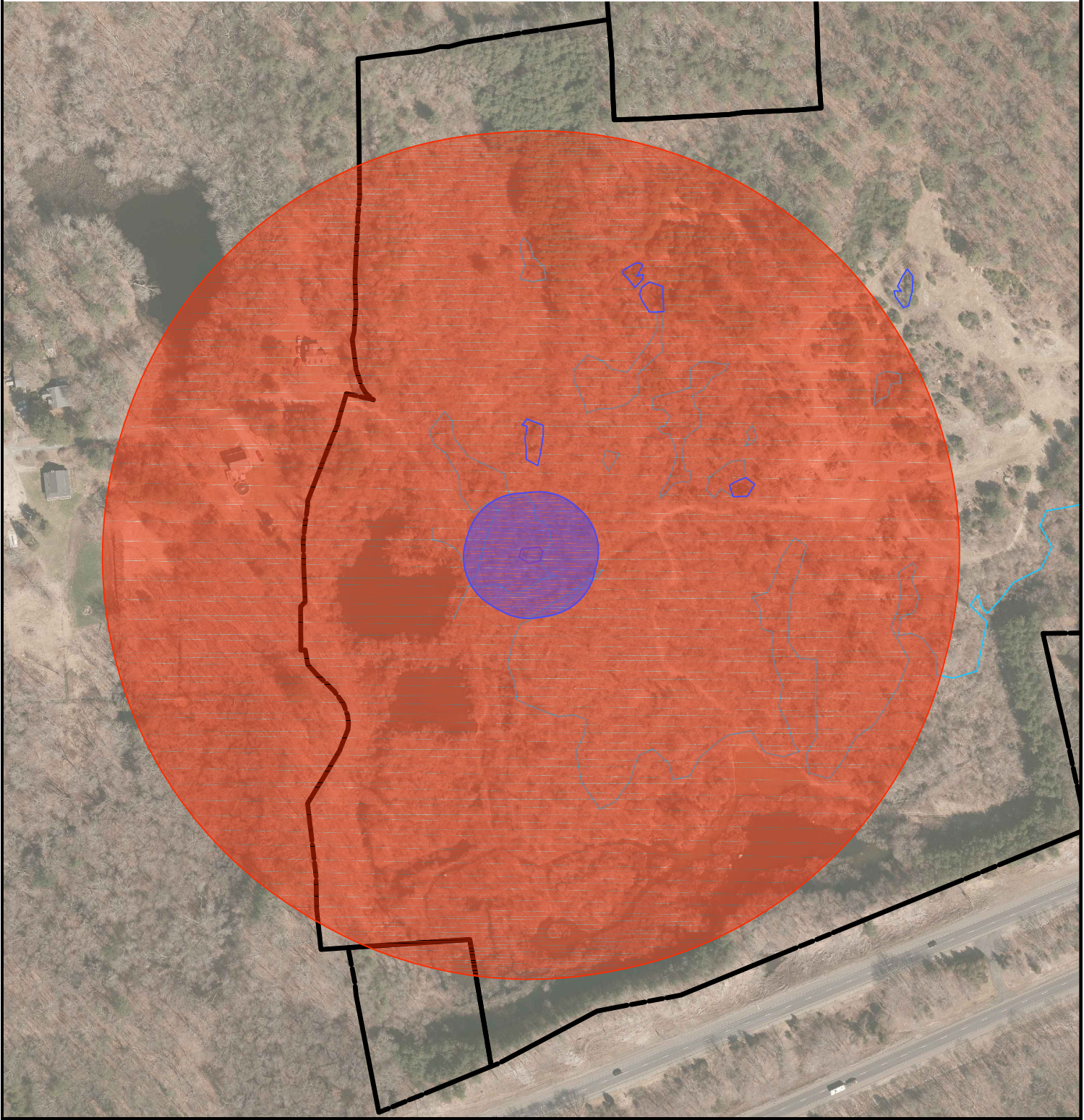
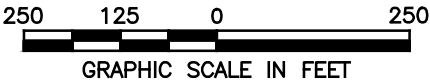


FIGURE 26:

VERNAL POOL 3E
PROPOSED CONDITIONS
North Stonington Solar Facility



- LIMIT OF WETLANDS
- VERNAL POOL ENVELOPE (VPE)
- CRITICAL TERRESTRIAL HABITAT (CTH)
- PROPOSED LIMIT OF DISTURBANCE
- LIMIT OF PROPOSED SOLAR ARRAY

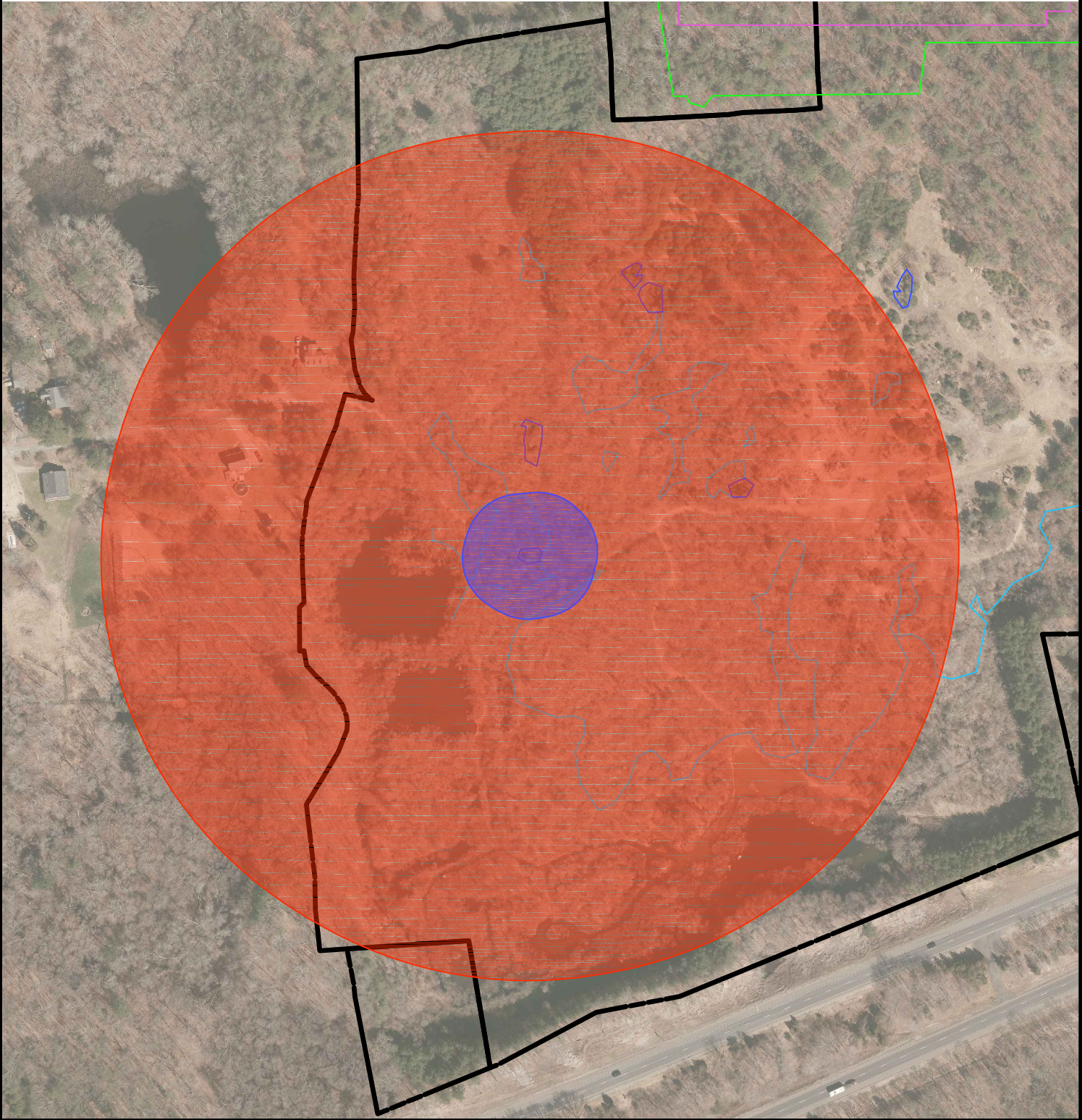




Photo 1: Vernal Pool 1H; facing westerly.



Photo 2: Spotted salamander egg mass, Vernal Pool 1H



Photo 3: Vernal Pool 3E; facing northwesterly.



Photo 4: Vernal Pool G; facing northerly.



Photo 5: Vernal Pool G, developing wood frog embryos.



Photo 6: Vernal Pool I; facing northeasterly.



Photo 7: Vernal Pool N; facing southerly.



Photo 8: Vernal Pool N; facing northerly.



Photo 9: Vernal Pool O; facing southerly.



Photo 10: Vernal Pool O; facing northerly.



Photo 11: Vernal Pool 1; September 2019; facing southerly.



Photo 12: Vernal Pool 1; December 2020; facing northerly



Photo 13: Vernal Pool 1H; April 2017; facing northeasterly.



Photo 14: Vernal Pool 1H; April 2017; spotted salamander egg mass



Photo 15: Vernal Pool H; April 2017; facing westerly.



Photo 16: Vernal Pool H; April 2017; spotted salamander egg mass



Photo 17: Vernal Pool 3E; shallow vegetated portion; April 2017; facing easterly



Photo 18: Vernal Pool C; April 2017; facing northeasterly



Photo 19: Vernal Pool E; shallow vegetated portion; November 2018; facing northerly



Photo 20: Vernal Pool E; March 2020; shallow portion; facing northeasterly



Photo 21: Vernal Pool E; northern portion; March 2020; facing northeasterly



Photo 22: Vernal Pool G; western section; April 2017; shallow portion; spotted salamander egg masses



Photo 23: Vernal Pool G; April 2017; eastern portion; spotted salamander egg masses



Photo 24: Vernal Pool G; eastern section; April 2017; facing easterly



Photo 25: Vernal Pool G; April 2017; eastern portion; spotted salamander egg masses



Photo 26: Vernal Pool G; open shallow area was found to be a prolific breeding area for eastern toad; tens of thousands of egg "strings" in view



Photo 27: Vernal Pool G; April 2017; western portion; facing southwesterly



Photo 28: Vernal Pool G; open shallow areas also supported breeding of wood frogs; egg masses with newly hatched larva



Photo 29: Vernal Pool I; April 2017; facing southwesterly



Photo 30: Vernal Pool I; large grouping of spotted salamander egg masses



Photo 31: Vernal Pool L; April 2017; facing northwesterly



Photo 32: Vernal Pool L during survey; April 2017; facing northerly



Photo 33: Vernal Pool N; April 2017; facing southeasterly



Photo 34: Vernal Pool N; April 2017; opaque spotted salamander egg mass



Photo 35: Vernal Pool O; April 2017; facing southerly



Photo 36: Vernal Pool O; April 2017; facing northerly



Photo 37: Vernal Pool O; April 2017; spotted salamander egg masses were hidden within algal mats



Photo 38: Vernal Pool O; April 2017; spotted salamander egg mass (attached to woody debris)



Photo 39: Old haul road within Wetland H-1 seasonally flooded; April 2017; no egg masses observed; facing northeasterly



Photo 40: Seasonally flooded haul road within Wetland H-1; April 2020; up to 10 wood frog egg masses observed for the first time; facing easterly)



Photo 41: Closeup of wood frog egg masses from previous photo



Photo 42: All of the seasonally flooded portion of the large southern Wetland 2E were searched for egg masses, amphibians and reptiles; April 2018; facing northeasterly



Photo 43: Occasional egg masses were observed in the vast southern Wetland 2E; spotted salamander



Photo 44: Seasonally flooded portion of Wetland 2E; 2 salamander egg masses found here, plus a spotted turtle, which escaped our net; facing westerly



Photo 45: Vernal Pool 1; April 2020; facing southwesterly (Route 184 in background)



Photo 46: Vernal Pool 1; April 2020; almost the entire picture frame is full of wood frog egg mass raft with over 120 egg masses



Photo 47: Vernal Pool G; April 2020; wood frog egg mass raft in shallow water in a mostly sunlight area, which will speed up metamorphosis and larval emergence

Attachment E

Annotated Photos of Wildlife including Listed Species



Photo F1: Eastern box turtle at edge of Wetland 2E; April 2017; facing southerly



Photo F2: Eastern Box Turtle (close-up)



Photo F3: Eastern box turtle at edge of Wetland 2E; April 2017



Photo F4: Ribbon snake within Wetland 3E; April 2017; facing southwesterly



Photo F5: Ribbon snake; Wetland 3E; April 2017



Photo F6: Ribbon snake within Wetland 3E; April 2017



Photo F7: Ribbon Snake; Wetland 3E; April 2017



Photo F8: Juvenile eastern racer snake in Upland Cover Type 17; April 2017



Photo F9: Eastern Racer Snake; U17; April 2017

Attachment F

DEEP NDDB Letter: May 16th, 2017



Connecticut Department of
**ENERGY &
ENVIRONMENTAL
PROTECTION**

May 16, 2017

Mr. George T. Logan
Rema Ecological Services, LLC
164 East Center Street, Suite 8
Manchester, CT 06040
Rema8@aol.com

Project: Preliminary Site Assessment of North Stonington Solar Park at Cranberry Bog and Boom Bridge Road in North Stonington, Connecticut
NDDDB Preliminary Assessment No.: 201703865

Dear George,

I have reviewed Natural Diversity Data Base maps and files regarding the area delineated on the map provided for a Preliminary Site Assessment of North Stonington Solar Park at Cranberry Bog and Boom Bridge Road in North Stonington, Connecticut.

According to our records there are known extant populations of State Listed Species known that occur within or close to the boundaries of this property. I have attached a list of these species to this letter. Please be advised that this is a preliminary review and not a final determination. A more detailed review will be necessary to move forward with any subsequent environmental permit applications submitted to DEEP for the proposed project. **This preliminary assessment letter cannot be used or submitted with your permit applications at DEEP.** This letter is valid for one year.

To prevent impacts to State-listed species, field surveys of the site should be performed by a qualified biologist when these target species are identifiable. A report summarizing the results of such surveys should include:

1. Survey date(s) and duration
2. Site descriptions and photographs
3. List of component vascular plant and animal species within the survey area (including scientific binomials)
4. Data regarding population numbers and/or area occupied by State-listed species

5. Detailed maps of the area surveyed including the survey route and locations of State-listed species
6. Statement/résumé indicating the biologist's qualifications

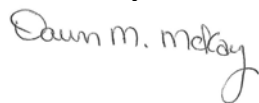
The site surveys report should be sent to our CT DEEP-NDDDB Program (deep.nddbrequest@ct.gov) for further review by our program biologists along with an updated request for another NDDDB review. Incomplete reports may not be accepted.

If you do not intend to do site surveys to determine the presence or absence of state-listed species, please let us know how you will protect the state-listed species from being impacted by this project. You may submit these best management practices or protection plans with your new request for an NDDDB review.

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 Natural History Survey and cooperating units of DEEP, private conservation groups and the scientific community. This information is not necessarily the result of comprehensive or site-specific field investigations. Consultations with the Data Base should not be substitutes 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 into the Data Base as it becomes available. The result of this review does not preclude the possibility that listed species may be encountered on site and that additional action may be necessary to remain in compliance with certain state permits.

Please contact me if you have further questions at (860) 424-3592, or dawn.mckay@ct.gov . Thank you for consulting the Natural Diversity Data Base.

Sincerely,



Dawn M. McKay
Environmental Analyst 3

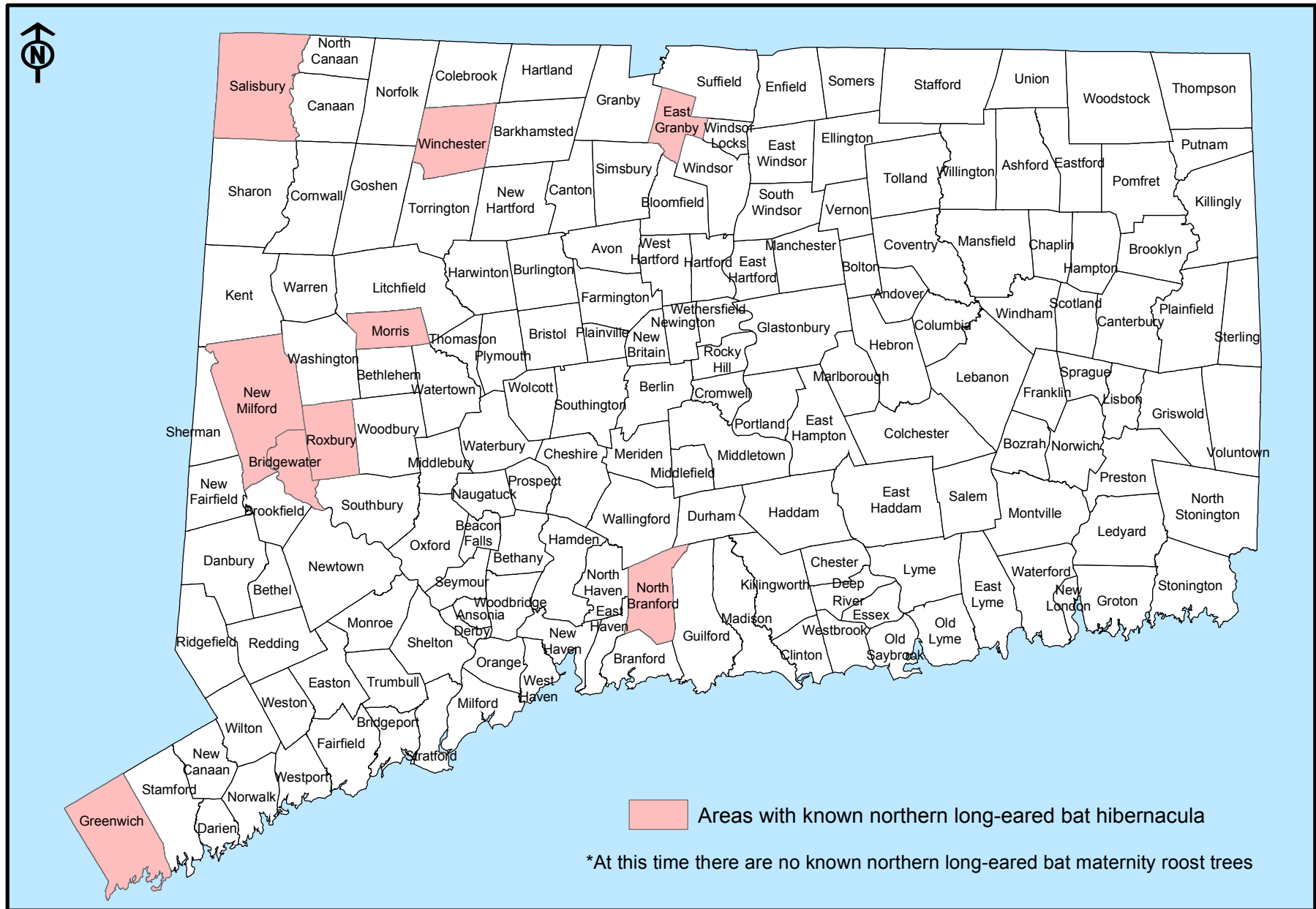
Species List for NDDB Request

Scientific Name	Common Name	State Status
Invertebrate Animal		
Calopteryx dimidiata	Sparkling jewelwing	T
Margaritifera margaritifera	Eastern pearlshell	SC
Vascular Plant		
Crocanthemum propinquum	Low frostweed	SC
Plantago virginica	Hoary plaintain	SC
Vertebrate Animal		
Lasiurus borealis	Red bat	SC
Scaphiopus holbrookii	Eastern spadefoot	E

Attachment G

Connecticut Towns
With confirmed Northern Long-Eared Bat Hibernacula

Northern long-eared bat areas of concern in Connecticut to assist with Federal Endangered Species Act Compliance



March 6, 2019

For information on federal requirements visit <http://www.fws.gov/midwest/endangered/mammals/nleib/>

Attachment H

Annotated Photos of Wetland/Watercourse Impact Areas
(IA-1 to IA-4)



Photo IA-1a: Impact Area 1 (Culvert C-1); man-made outlet ditch to Wetland A-2; facing westerly



Photo IA-2a: Impact Area 2 (Culvert C-2); intermittent watercourse; facing northeasterly



Photo IA-3a: Impact Area 3 (Culvert C-3); aligned with woods road with damaged culvert; facing easterly



Photo IA-3b: Impact Area 3 (Culvert C-3); intermittent watercourse associated with crossing; facing northerly (upstream)



Photo IA-4a: Impact Area 4 (Culvert C-4); aligned with woods road; culvert upgraded/improved with bottomless arch; facing westerly



Photo IA-4b: Impact Area 4 (Culvert C-4); facing easterly