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ATTORNEY-AT-LAW

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BROWNRUDNICK

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October 9, 2015

VIA HAND-DELIVERY

Mr. Robert Stein, Chairman
Connecticut Siting Council
Ten Franklin Square
New Britain, CT 06051

Re: Petition of SolarCity Corporation for a Declaratory Ruling for the Location and Construction of an Approximately 4.05 Megawatt Solar Electric Generating Facility at 1240 Poquonnock Road, Groton, Connecticut

Dear Chairman Stein:

On behalf of SolarCity Corporation ("SolarCity"), we are submitting an original and fifteen (15) copies of the above-captioned Petition of SolarCity Corporation for a Declaratory Ruling ("Petition"), together with a filing fee of $625.

In the Petition, SolarCity requests that the Connecticut Siting Council approve the location and construction of an approximately 4.05 megawatt solar electric generating facility to be located at 1240 Poquonnock Road in Groton, Connecticut. One copy of Exhibit 5 (the electrical plans) and one copy of Exhibit 7 (the Stormwater Management Plan) are being bulk filed with the original. We have also enclosed a disk with an electronic copy of the filing. Please contact me at 860-509-6575 with any questions or if you need additional information.

Very truly yours,

BROWN RUDNICK LLP

By: _____
Philip M. Small
Counsel for SolarCity Corporation

Enclosures

62198309 v1-WorksiteUS-031819/0001

STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

PETITION OF SOLARCITY CORPORATION FOR A DECLARATORY RULING FOR THE LOCATION AND CONSTRUCTION OF AN APPROXIMATELY 4.05 MEGAWATT SOLAR ELECTRIC GENERATING FACILITY AT 1240 POQUONNOCK ROAD, GROTON, CONNECTICUT	:	PETITION NO. ____
	:	OCTOBER 9, 2015

PETITION OF SOLARCITY CORPORATION
FOR A DECLARATORY RULING

Pursuant to Conn. Gen. Stat. §§ 4-176 and 16-50k(a) and Conn. Agencies Regs. § 16-50j-38 *et seq.*, SolarCity Corporation ("SolarCity") requests that the Connecticut Siting Council ("Council") approve by declaratory ruling SolarCity's location and construction of an approximately 4.05 megawatt ("MW") solar electric generating facility (the "Facility") on municipally-owned land at 1240 Poquonnock Road (State Route 1) in Groton, Connecticut (the "Site"). The City of Groton's Water Treatment Plant infrastructure, an electrical substation and transmission lines are currently located at the Site. The Site also contains the Groton Reservoir and Smith Lake.

Conn. Gen. Stat. § 16-50k(a) provides that:

> "Notwithstanding the provisions of this chapter or title 16a, the council shall, in the exercise of its jurisdiction over the siting of generating facilities, approve by declaratory ruling... (B) the construction or location ... of any customer-side distributed resources project or facility or grid-side distributed resources project or facility with a capacity of not more than sixty-five megawatts, as long as such project meets air and water quality standards of the Department of Energy and Environmental Protection...."

As discussed fully in this petition, the Facility will be a "grid-side distributed resources" facility, as defined in Conn. Gen. Stat. §16-1(a)(38) (revised to January 1, 2015),[1] under 65 MW that complies with the air and water quality standards of the Connecticut Department of Energy and Environmental Protection ("DEEP"). Additionally, the Facility will not have a substantial adverse environmental effect in the State of Connecticut.

I. COMMUNICATIONS

Correspondence and other communication regarding this petition should be directed to the following parties:

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Hartford, CT 06103
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Fax: (860) 509-6501
Email: psmall@brownrudnick.com

Elie Schecter
SolarCity Corporation
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Elmsford, NY 10523
Telephone: (914) 924-6450
Fax: (914) 592-2189
Email: eschecter@solarcity.com

[1] Formerly Conn. Gen. Stat. § 16-1(a)(43).

II. DISCUSSION

A. Background

SolarCity's solar arrays will consist of approximately 13,072, 310 Watt Canadian Solar panels with a total output of approximately 4.05 MW (*see* Site Plan attached as **Exhibit 1**). The solar arrays will occupy approximately 13.5 acres (the "Project Area") of the total 290.5 acre Site. The Project Area consists of three areas of solar arrays (referred to as Mounting Planes 1 through 3) and is outlined in red below.

Source: Environmental Assessment, p. 4 (**Exhibit 2**).

SolarCity, Groton Utilities ("GU"), the City and the Connecticut Municipal Electric Energy Cooperative ("CMEEC") have partnered together to develop this Facility. Once the Facility is completed, solar power will be available to every GU customer without any premium charge. An estimated 80 percent of GU customers cannot own or lease solar systems because their roofs are physically unsuitable due to shading or because they do not control them (e.g., renters and people living in large apartment buildings). The Facility will offer a way for every GU customer to have access to "green energy" without incurring a premium cost or having complex equipment installed on their roofs. Additionally, the Facility will benefit the community at large by improving electrical service for existing and future development in Groton through enhanced capacity.

Prior to filing this petition, SolarCity and Brightfields Development, LLC ("Brightfields") (collectively, the "Development Team") presented the Facility to the City of Groton Utilities Commission on September 24, 2014 and to the Groton City Council on October 27, 2014. A representative from the Development Team was present at the Groton City Council meeting on December 1, 2014 to discuss the terms of the proposed Site Lease Agreement between SolarCity and the City of Groton. On March 23, 2015, the Groton City Council voted to approve the Site Lease Agreement with SolarCity and on March 26, 2015 the Site Lease Agreement was signed. Additionally, representatives from Brightfields met with the Town Manager of the Town of Groton, Mark Oefinger, on November 5, 2014 to discuss the Facility.

Notice of the filing has been provided to the landowner, abutters and local and state officials (*see* **Exhibit 3**[2]). Included as **Exhibit 4** is a list of the abutters in Excel format and select City of Groton GIS maps for easy identification of the abutters' locations in relation to the Site.

B. Description of the Site and the Facility

1. The Site

The Facility is located on a 290.5 acre parcel at 1240 Poquonnock Road (State Route 1) in Groton, Connecticut (Parcel. ID 169919614106 E) owned by the City of Groton. The parcel contains the Groton Utilities Water Treatment Plant infrastructure, the Poquonnock Electrical Substation (and associated transmission lines), a mix of undeveloped woods and fields, the Groton Reservoir and Smith Lake.

Four wetland areas (*see* Environmental Assessment ("EA") attached as **Exhibit 2**) were identified at the Site with a fifth wetland area identified but not delineated as it is over 400 feet from the Project Area.

Wetland 1 runs along the banks of the Groton Reservoir down the western side of the Project Area. The majority of the area is mowed regularly resulting in mostly emergent and stunted scrub/shrub growth although areas to the north do maintain some forested buffer. This wetland generally drains south and is controlled by a concrete weir structure.

[2] The first row and column of the attachment to the Abutters Notice contains an error. The owner of Units B1 and B2 at 625 North Road is Exit 88 **Offices** LLC not Exit 88 Hotels LLC as indicated on the attachment. The notice was correctly sent to both Exit 88 Offices LLC and Exit 88 Hotels LLC. The error was corrected on the Excel chart provided in **Exhibit 4**.

Wetland 2 is on the east side of the Project Area and runs along the banks of Smith Lake. The southern banks of this wetland consist of steeply sloping, exposed sand and gravel shores with sparse scrub/shrub vegetation. The western banks of this wetland are very steeply sloping with upland edges dominated by mature red pine. The edges and bottom of this Wetland are generally devoid of vegetation with sparse submergents and emergent plants.

Wetland 3 is a small, isolated, depression located on the interior of the Site to the east of a utility transmission corridor and to the north of the transmission substation. The northern half of this wetland is forested while the southern half is scrub-shrub/emergent dominant. The core of this wetland is entirely open water, consisting of year round inundation.

Wetland 4 is associated with a large, open water body in the interior of the Site to the east, outside of the fence surrounding the Project Area. This wetland has steeply sloping banks and open water areas that are colonized intermittently by buttonbush "rafts". The banks of this wetland are dominated by scrub/shrub vegetation.

Wetland 5 is located to the north of Wetland 4 and is a large, open waterbody. The banks around this wetland are generally steep with forested edges. Edges of the flooded extents are colonized by buttonbush 'rafts' with areas of emergent and submergent vegetation similar to other inundated wetlands identified on the Site.

A vernal pool survey was conducted on May 5, 2015 and June 10, 2015 (**Exhibit 2**). The Site contains no classic vernal pools or seasonally flooded wooded swamps which most often provide cryptic vernal pool habitat. Generally speaking, the habitat quality for vernal pool species across the Site, both for breeding and terrestrial habitat, is poor. The Site contains

two lakes and three permanently flooded ponds, all of which have a scrub-shrub or emergent wetland component. No vernal pool habitat is present within the two lakes (Wetlands 1 and 2). The three permanent ponds (i.e., Wetlands 3, 4 and 5) were surveyed for vernal pool activity and two vernal pool indicator species, the wood frog and the spotted salamander, were observed. Spotted salamanders were observed breeding in all three wetlands while wood frogs were observed breeding in Wetland 5[3].

Overall, the abundance of vernal pool species is relatively low due to the fact that there are no classic vernal pools or typical cryptic vernal pools on the Site, the Site has limited forest cover and the wetlands present contain a number of species that eat the larvae and eggs of vernal pool indicator species. More information on the vernal pools is provided in the EA (**Exhibit 2**).

The musk turtle (a.k.a. stinkpot), historically known to occur within Groton Reservoir based on surveys conducted by Klemens (1993), was re-confirmed at the Site. While not a rare species in the State, the musk turtle is considered to be of conservation interest based on its limited bio-geographical distribution in Connecticut.

The majority of the Site is open field (in the center of the Site and extending to the north) but the Site does contain some forested areas in small patches in the northwest, east and southeast. There is also some open water on the Site, as previously mentioned, as well as

[3] Due to the fact that Wetlands 3 and 4 are relatively large and deeply ponded, it is possible that wood frogs were present in these wetlands (or could breed there in the future) and were overlooked during the survey.

associated scrub/shrub vegetation. Finally, the southcentral area of the Site is developed with gravel surfaces.

As the Site is adjacent to the Groton Reservoir, portions of the Project Area lie within Class I/II Watershed land. As a result, Groton Utilities will be submitting an application to the Connecticut Department of Public Health ("DPH") for the approvals necessary to allow the Facility to be constructed. The Groton Reservoir System is a source of public drinking water that is maintained and operated by Groton Utilities. Based on United States Federal Emergency Management Agency mapping, the Site is designated as Zone X, which is defined as an area of minimal flooding. Finally, the municipality of Groton is located within the Coastal Zone Management Area and the southernmost portion of the Site is located within the Coastal Boundary, as defined by the Coastal Management Act, CGS § 22a-94(a). The Project Area itself is located outside of the Coastal Boundary.

The most recent CTDEEP Natural Diversity Database ("NDDB") mapping (December 2014) was reviewed to determine if any endangered, threatened and special concern species or habitats occur within the vicinity of the Site. Based on the NDDB mapping, the Site is located within several overlapping shaded areas that encompass the Groton Reservoir, Smith Lake and the Poquonnock River (*see* Appendix C to the EA (**Exhibit 2**)); therefore, a review request was submitted to CTDEEP determine what, if any, threatened, endangered, or special concern species or critical habitats exist at the Site. The CTDEEP response will be forwarded to the Council as soon as it is received.

SolarCity's consultant, All-Points Technology Corporation, reviewed relevant historic and archaeological information to determine that no historical resources exist at, or in close proximity to, the Site, however there are numerous reported archaeological sites on the Site. The State Historic Preservation Office ("SHPO") was contacted for its comments on the Facility. SHPO responded on August 19, 2015 requesting a professional cultural resource assessment and reconnaissance survey be completed prior to construction (the SHPO letter is included as Appendix D to the EA (**Exhibit 2**)). SolarCity intends to complete the requested assessment prior to the start of construction.

2. The Facility

The solar arrays will consist of approximately 13,072 Canadian Solar, 310 Watt solar panels. Collectively, the solar panels will generate approximately 4.05 MW and will cover approximately 13.5 acres (the Project Area). The Facility will include three separate solar arrays, identified as Mounting Planes 1 through 3. An existing chain link fence with a locked gate already restricts access to the Site. Primary access to the Site originates off of North Road and the existing interior road systems will provide access to the Project Area.

The Facility will use a post-driven mounting system. The mounting assemblies holding the modules are built on I-beam foundations that are pounded into the ground with a pile driving machine and then the rack is constructed on the posts. After the rack is installed, the solar panels will be mounted to the rack and placed at a fixed 20° tilt to the south. Wiring within the Facility will be a mix of underground and aboveground.

The Facility will include five Solectria inverters. ((2) 500 KW and (3) 750 KW). The inverters convert the DC power supplied by the panels into AC power that can be connected to the electric grid. The inverters will be mounted on four, small concrete pads with transformers which are connected to the grid via switch gear. Details on the electrical equipment are provided on the Electrical Plans which are attached as **Exhibit 5**[4].

An anti-tracking pad will be installed at the entrance to the Site for access to a temporary staging area. A small concrete washout area and fuel pad will also be installed. The staging area will be limited to Class II land (as defined by the DPH).

SolarCity commissioned a Carbon Debt Analysis to determine whether the Facility will produce a net improvement in carbon reduction compared to the loss of approximately 4 acres of woodlands (clearing will require the removal of 101 trees). The analysis accounted for the loss of trees, the carbon associated with the manufacture of the solar panels, and the carbon associated with the installation activity. All of the tree stumps within the Project Area will be removed and the disturbed areas regraded and vegetated. The trees will be chipped for use as sediment and erosion control berms. The Carbon Debt Analysis determined that the Facility would begin to have a measurable net improvement in carbon reduction in less than three years. The Carbon Debt Analysis is attached as **Exhibit 6**.

The Facility will not consume any raw materials, will not produce any byproducts and will not be staffed during normal operating conditions. In addition, although this Facility is not subject to the City's land use application processes, SolarCity has designed the Facility to meet

[4] Due to its size, one copy of the Electrical Plan has been bulk filed..

the intent of the City's Zoning Ordinances. A construction schedule for the Facility is included as Appendix F to the EA (**Exhibit 2**). SolarCity plans to work 7 days a week, 7:00am – 7:00pm to complete installation of the Facility (Appendix F and Appendix G to the EA (**Exhibit 2**)). The work hours may be modified based on discussions with the City of Groton.

C. The Facility Complies with DEEP's Air and Water Quality Standards and Will Not Have a Substantial Adverse Environmental Effect

The construction and operation of the Facility will comply with DEEP's air and water quality standards and will not have a substantial adverse environmental effect. Furthermore, the Facility will not have any air emission sources and therefore, will not have any effect on air quality. There are no public water supply wells located in the vicinity of the Site and no liquid fuels are associated with the operations of the Facility. As stated above, as portions of the Project Area lie within Class I/II Watershed land, Groton Utilities will be submitting an application to the DPH for those activities.

The solar panels will be located across the Site in three areas, collectively comprising approximately 13.5 acres (the Project Area). The Project Area largely consists of the electrical transmission corridor that is maintained through routine mowing as an open field. This Project Area has moderate slopes and any area where regrading is necessary can be accomplished without significant cuts and/or fills. Approximately 75 percent of the Project Area is previously disturbed land, the remainder is woodlands.

No wetlands or watercourses at the Site will be directly impacted by the Facility. The closest construction activity to a wetland is 25 feet east of Wetland 1. Also, a small area of

development will occur within 100 feet to the west of Wetland 3, however the Project Area's footprint falls entirely within areas of existing disturbance. Finally, a 100-foot setback to Wetland 4 has been established to protect potential use of the vernal pool breeding habitat. Overall, the development will slightly decrease the Vernal Pool Envelope ("VPE") management zone and the Critical Terrestrial Habitat management zone on the Site. However, the Project Area is located largely within non-forested habitats which do not provide suitable terrestrial forest habitat for vernal pool amphibians. The loss of habitat within the VPE is entirely within non-forested meadow habitat that is mowed both seasonally and more frequently. In an effort to mitigate this impact to the maximum extent practicable, SolarCity proposes re-foresting areas adjacent to Wetland 3 which are currently regularly-mowed meadows (*see* EA page 30 (**Exhibit 2**) for further details).

There will be minor short term, temporary impacts associated with the construction activities at the Site due to the proximity to wetland and watercourse resources. A proposed Wetland Protection Plan, included as Appendix H to the EA (**Exhibit 2**), will provide additional measures to avoid temporary wetland impacts. Any long term secondary impacts to wetland resources possibly associated with operation of the Facility will be minimized by the fact that the Facility is unstaffed and generates minimal traffic. A Stormwater Management Report is included as **Exhibit 7**[5]. Stormwater will be handled in accordance with the 2004 *Connecticut Stormwater Quality Manual*. Due to implementation of these protective measures, the Facility will not result in an adverse impact to wetland resources.

[5] Due to its size, one copy of the Stormwater Management Report has been bulk filed.

A breeding bird assessment was conducted in June 2015 which focused on high conservation priority species (see Breeding Bird Inventory Table, Appendix B to the EA (**Exhibit 2**)). The inventory also includes two state-listed species as potentially present at the Site: the American kestrel (potential) and the great egret (observed). The majority of the Project Area is located within open field areas which do represent prime foraging habitat for the American kestrel, and similar adjacent habitat does occur outside the Project Area for foraging. More importantly, no prime nesting habitat will be impacted by the Facility. The great egret is a coastal species, breeding on offshore islands in Long Island Sound and foraging within shallow open water. This Site is not a breeding habitat for the great egret but the shallow waters of the Groton Reservoir are utilized as a feeding area where they feed on amphibians and small fish. The Facility will not directly affect their feeding habitat. Overall, the relatively small size of the existing meadow (approximately 10 acres) at the Site precludes the presence of rare, area-sensitive, early-successional bird species (e.g., grassland birds) which are the focus of significant conservation concern across the State.

There are two osprey nesting platforms at the Site. SolarCity plans to relocate both platforms out of the Project Area to avoid any potential conflicts with the Facility. SolarCity will remove the platforms during the inactive nesting period (between October and the end of January) and replace them prior to the 2016 nesting season. The construction and installation of the new nesting platforms will occur in accordance with the provisions of the Office of Long Island Sound's General Permit for Osprey Platforms and Perch Poles.

As the construction of the Facility will result in the clearing of trees and other vegetation which has the potential to support breeding birds, the vegetation clearing will be done prior to May 1st. If tree clearing has not been completed by May 1st, an avian survey may be conducted to determine if breeding birds would be disturbed. If the avian survey concludes that breeding birds would be disturbed, vegetation clearing activities may be restricted through the peak nesting period.

Traffic to the Facility after construction is complete will be minimal. Four times per year the Site will be mowed. Maintenance of the electrical equipment will occur annually. Any equipment that breaks down will be repaired on an as needed basis. Annual maintenance will typically be two technicians for a day.

SolarCity has developed a Decommissioning Plan to prepare for the eventual permanent closure of the Facility. The Decommissioning Plan describes the process for removal and disposal or recycling of the equipment and anticipated land-restoration activities. The Decommissioning Plan is attached as **Exhibit 8**.

III. NOTICE

SolarCity has provided notice of this petition to all persons and appropriate municipal officials and governmental agencies to whom notice is required to be given pursuant to Conn. Agencies Regs. § 16-50j-40(a).[6] A copy of the notice letter to the abutters and a copy of the notice letter to local/state officials are attached as **Exhibit 3**. In addition, **Exhibit 4** includes a

[6] Conn. Agencies Regs. § 16-50j-40(a) requires that "[p]rior to submitting a petition for a declaratory ruling to the Council, the petitioner shall, where applicable, provide notice to each person other than the petitioner appearing of record as an owner of property which abuts the proposed primary or alternative sites of the proposed facility, each person appearing of record as an owner of the property or properties on which the primary or alternative proposed facility is to be located, and the appropriate municipal officials and government agencies [listed in Section 16-50*l* of the Connecticut General Statutes]."

list of the abutters in Excel format and select City of Groton GIS maps for easy identification of the abutters' locations in relation to the Site.

IV. BASIS FOR GRANTING OF THE PETITION

Under Conn. Gen. Stat. § 16-50k(a), the Council is required to approve by declaratory ruling the construction or location of a grid-side distributed resources project or facility with a capacity of not more than 65 MW, as long as the facility meets DEEP air and water quality standards. This Facility meets both of those criteria. First, the Facility is a "grid-side distributed resources" project, as defined in Conn. Gen. Stat. § 16-1(a)(38), because the Facility is "a unit with a rating of not more than sixty-five megawatts that is connected to the transmission or distribution system...." Second, as demonstrated above and in the EA, the Facility will meet DEEP air and water quality standards and will not have an adverse environmental impact. Therefore, as demonstrated above, the construction and operation of the Facility will not have a substantial adverse environmental effect in the State of Connecticut.

V. CONCLUSION

For the reasons stated above, SolarCity respectfully requests that the Council approve the location and construction of the Facility by declaratory ruling.

Respectfully submitted,

SolarCity Corporation

By: _____

Philip M. Small, Esq.
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185 Asylum Street, 38th Floor
Hartford, CT 06103
Telephone: (860) 509-6500
Facsimile: (860) 509-6501
Electronic Mail: psmall@brownrudnick.com

EXHIBITS

Exhibit 1 – Site Plan

Exhibit 2 – Environmental Assessment

Exhibit 3 – Notice to Abutters & Local/State Officials

Exhibit 4 – Abutters List and Maps

Exhibit 5 – Electrical Plans (1 copy, bulk filed)

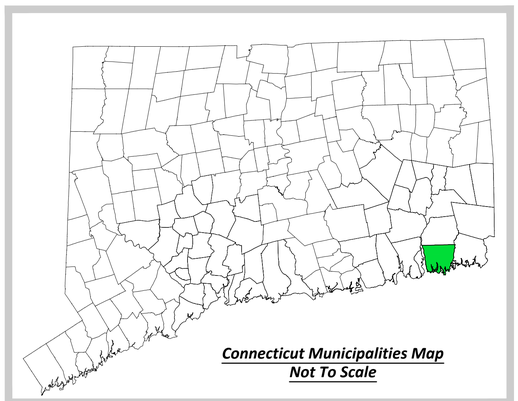
Exhibit 6 – Carbon Debt Analysis

Exhibit 7 – Stormwater Management Report (1 copy, bulk filed)

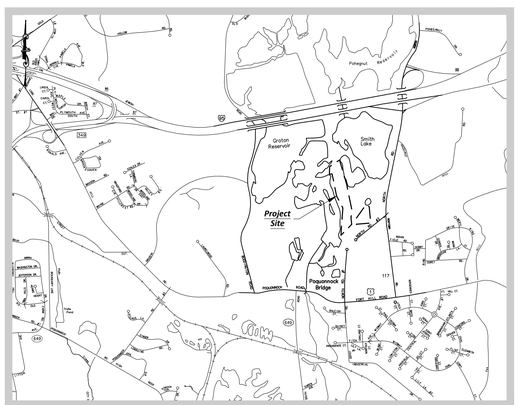
Exhibit 8 – Decommissioning Plan

62039190-WorkSiteUS

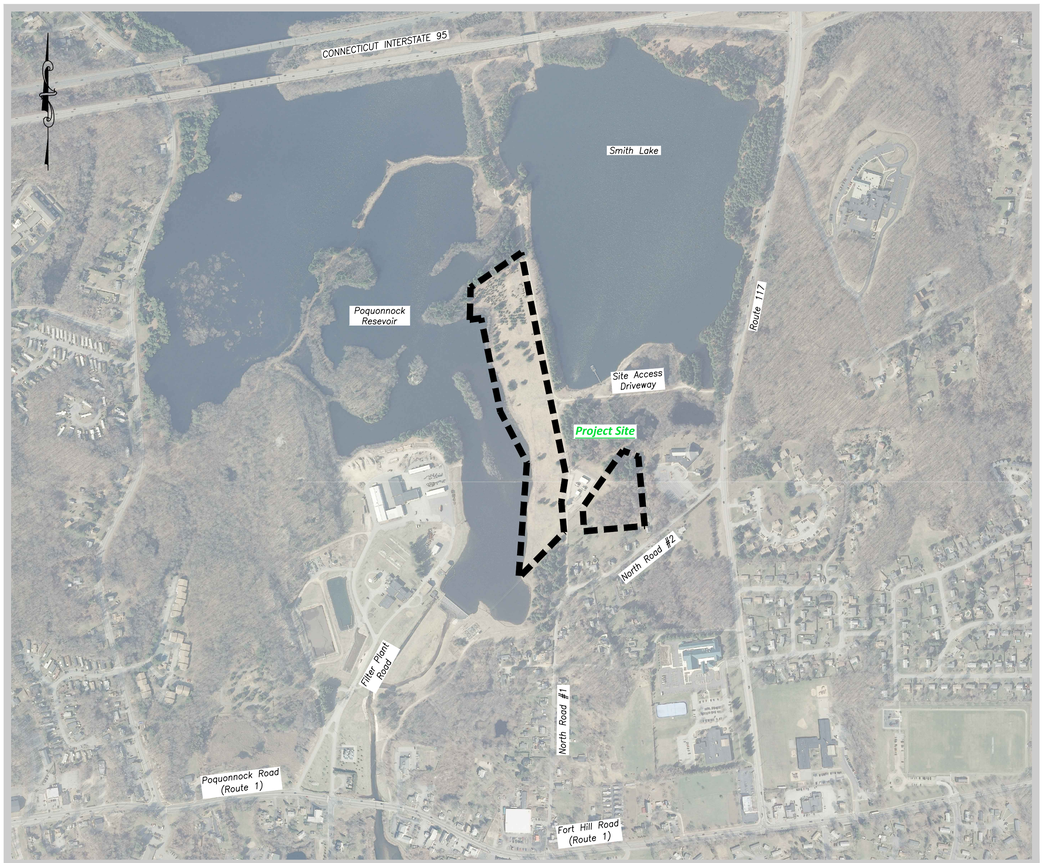
POQUONNOCK ROAD SOLAR PROJECT
DEVELOPMENT AND MANAGEMENT PLAN
SolarCity Corporation
1240 Poquonnock Road - Groton, Connecticut
October 2015



Connecticut Municipalities Map
Not To Scale



Site Location Map
Scale: 1"=2000'



Site Location Aerial View
Not To Scale

Project Information	
Developed By:	***Electrical Engineer:***
Brightfields Development, LLC *40 Walnut Street, Suite 301* *Wellesley, MA 02481*	*SolarCity Corporation* *714 Brook Street* *Rocky Hill, CT 06067*
SolarCity Corporation *714 Brook Street* *Rocky Hill, CT 06067*	***Host:*** *City of Groton* *295 Meridian Street* *Groton, CT 06340*
Civil Engineer: *Boundaries LLC* *179 Pachaug River Drive* *Griswold, CT 06351*	***Utility:*** *Groton Utilities* *295 Meridian Street* *Groton, CT 06340*

Index To Drawings	
Sheet	*Sheet Title*
1	*Cover Sheet*
2-3	*Topographic Survey-Existing Conditions*
4	*Site Logistics Plan*
5-6	*Site Preparation and Demolition Plan*
7-8	*Site Development Plan Solar Modules and Infrastructure*
9	*Erosion & Sediment and Spill Prevention & Control Plan*
10	*Site Details*

SURVEY NOTES

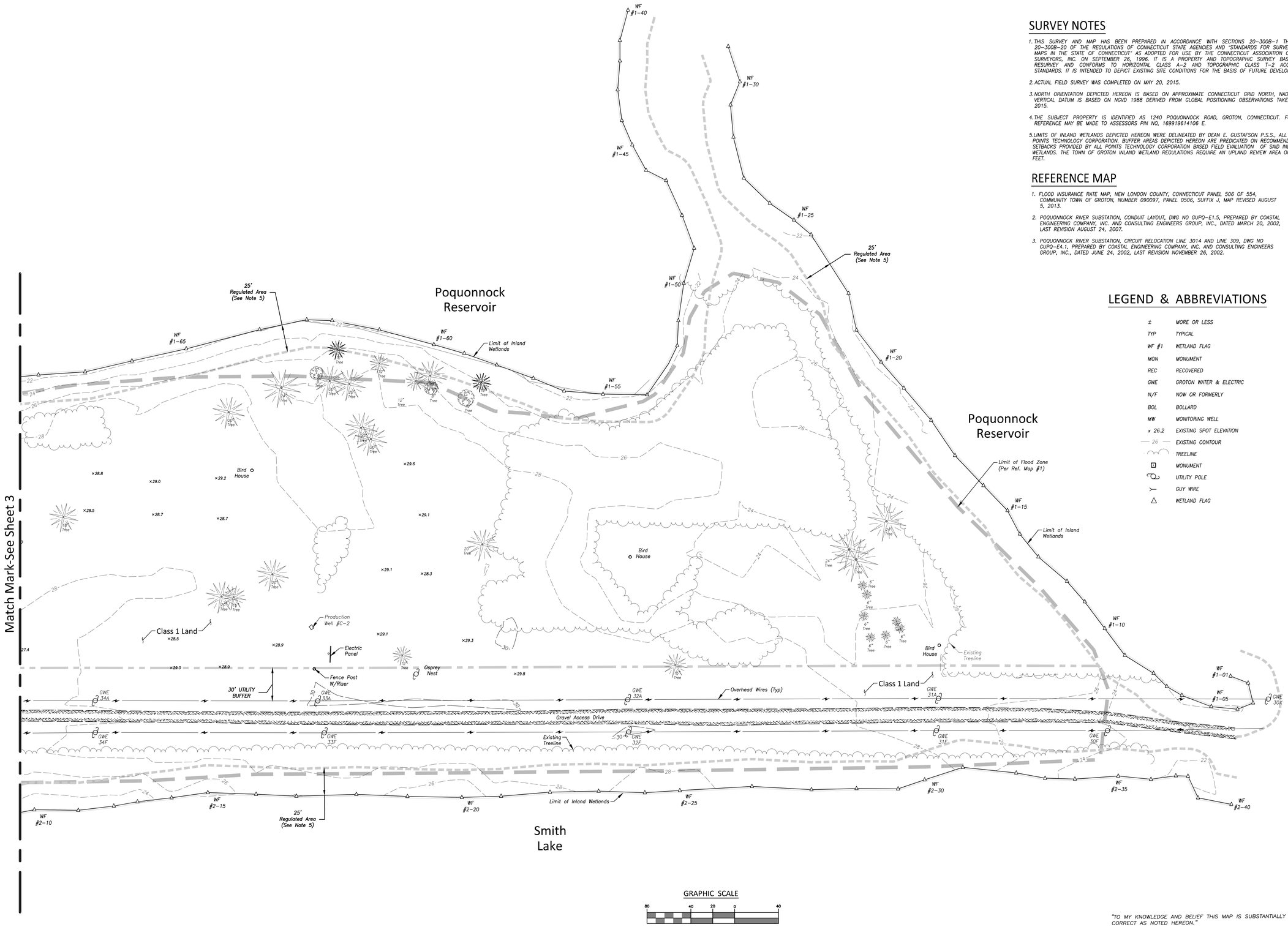
1. THIS SURVEY AND MAP HAS BEEN PREPARED IN ACCORDANCE WITH SECTIONS 20-300B-1 THROUGH 20-300B-20 OF THE REGULATIONS OF CONNECTICUT STATE AGENCIES AND "STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ADOPTED FOR USE BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON SEPTEMBER 26, 1996. IT IS A PROPERTY AND TOPOGRAPHIC SURVEY BASED ON RESURVEY AND CONFORMS TO HORIZONTAL CLASS A-2 AND TOPOGRAPHIC CLASS T-2 ACCURACY STANDARDS. IT IS INTENDED TO DEPICT EXISTING SITE CONDITIONS FOR THE BASIS OF FUTURE DEVELOPMENT.
2. ACTUAL FIELD SURVEY WAS COMPLETED ON MAY 20, 2015.
3. NORTH ORIENTATION DEPICTED HEREON IS BASED ON APPROXIMATE CONNECTICUT GRID NORTH, NAD 1983, VERTICAL DATUM IS BASED ON NGVD 1988 DERIVED FROM GLOBAL POSITIONING OBSERVATIONS TAKEN MAY 2015.
4. THE SUBJECT PROPERTY IS IDENTIFIED AS 1240 POQUONNOCK ROAD, GROTON, CONNECTICUT. FURTHER REFERENCE MAY BE MADE TO ASSESSORS PIN NO, 1699196141O6 E.
5. LIMITS OF INLAND WETLANDS DEPICTED HEREON WERE DELINEATED BY DEAN E. GUSTAFSON P.S.S., ALL POINTS TECHNOLOGY CORPORATION. BUFFER AREAS DEPICTED HEREON ARE PREDICATED ON RECOMMENDED SETBACKS PROVIDED BY ALL POINTS TECHNOLOGY CORPORATION BASED FIELD EVALUATION OF SAID INLAND WETLANDS. THE TOWN OF GROTON INLAND WETLAND REGULATIONS REQUIRE AN UPLAND REVIEW AREA OF 100 FEET.

REFERENCE MAP

1. FLOOD INSURANCE RATE MAP, NEW LONDON COUNTY, CONNECTICUT PANEL 506 OF 554, COMMUNITY TOWN OF GROTON, NUMBER 090097, PANEL 0506, SUFFIX J, MAP REVISED AUGUST 5, 2013.
2. POQUONNOCK RIVER SUBSTATION, CONDUIT LAYOUT, DWG NO GUPO-E1.5, PREPARED BY COASTAL ENGINEERING COMPANY, INC. AND CONSULTING ENGINEERS GROUP, INC., DATED MARCH 20, 2002, LAST REVISION AUGUST 24, 2007.
3. POQUONNOCK RIVER SUBSTATION, CIRCUIT RELOCATION LINE 3014 AND LINE 309, DWG NO GUPO-E4.1, PREPARED BY COASTAL ENGINEERING COMPANY, INC. AND CONSULTING ENGINEERS GROUP, INC., DATED JUNE 24, 2002, LAST REVISION NOVEMBER 26, 2002.

LEGEND & ABBREVIATIONS

±	MORE OR LESS
TYP	TYPICAL
WF #1	WETLAND FLAG
MON	MONUMENT
REC	RECOVERED
GWE	GROTON WATER & ELECTRIC
N/F	NOW OR FORMERLY
BOL	BOLLARD
MW	MONITORING WELL
× 26.2	EXISTING SPOT ELEVATION
26	EXISTING CONTOUR
	TREELINE
	MONUMENT
	UTILITY POLE
	GUY WIRE
	WETLAND FLAG



GRAPHIC SCALE

80 40 20 0 40

(IN FEET)
1 inch = 40 ft.

"TO MY KNOWLEDGE AND BELIEF THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON."

70016

JOHN U. FAULISE JR. L.S. — LICENSE NO. — DATE

CIVIL ENGINEERING · LAND SURVEYING · LAND DEVELOPMENT PLANNING · GIS SERVICES
BOUNDARIES
Boundaries LLC
179 Pachaug River Drive Gilmanville, CT 06351
T 860.376.2006 | www.boundariesllc.net

BRIGHTFIELDS DEVELOPMENT LLC
40 Walnut Street Suite 301
Wellesley, MA 02481
www.solarbrownfields.com

SolarCity
714 Brook Street
Rocky Hill, CT 06067
www.solarcity.com

SolarCity Corporation
Proposed Solar Photovoltaic System
1240 Poquonnock Road
Groton, Connecticut
Topographic Survey-Existing Conditions

SCALE: 1"=40'
DATE: October 2015
JOB I.D. NO. 15-2347
Revisions

SHEET NO.
2
10

Poquonnock Reservoir

Smith Lake

Subject Property
The City of Groton
Volume 210 Page 679

N/F
Todd W. Johnson
Volume 1103 Page 946
& Volume 625 Page 978

N/F
The City of Groton
Volume 210 Page 679 &
Volume 201 Page 524

N/F
Michelle Lucretia Messina
Volume 780 Page 854

N/F
Town of Groton
Volume 530 Page 110

N/F
Randi J. Crowe &
Norbert Carroca
Volume 902 Page 185

N/F
Laurel J. Rodgers
Volume 287 Page 250

Class 1 Land
Class 2 Land
Approximate Property Line
30' UTILITY BUFFER
25' Regulated Area (See Note 5)
100' Regulated Area (See Note 5)
Limit of Inland Wetlands
Limit of Flood Zone (See Note #5)
Limit of Flood Zone (Per Ref. Map #1)
Approximate Water Main (From Groton Public Utilities)
Approximate Buried Electrical Conduit (Typ) (From Groton Public Utilities)
Approximate Buried TeleComm Conduit (Typ) (From Groton Public Utilities)
Overhead Wires (Typ)
Chain-Link Fence
Edge of Crushed Stone
(2) Utility Access Covers
(3) Utility Access Covers
Transformer
Poquonnock Substation
LIMIT OF VERNAL POOL NON-DISTURBANCE AREA (SEE NOTE 5)
Existing Treeline
Gravel Access Drive
Water Meter
Vernal Pool #1
Vernal Pool #3
Osprey Nest
Osprey Nest Pole #27
Bird House
Mon Rec
BENCHMARK
Spike Set in GWE
Elev=28.36

WF #90, WF #85, WF #80, WF #75, WF #70
WF #3-01, WF #3-05, WF #3-10, WF #3-15, WF #3-20, WF #3-25
WF #4-5, WF #4-10, WF #4-15
WF #2-01, WF #2-05

GWE 38F, GWE 37F W/UG, GWE 37AW/UGC, GWE 0-381-5, GWE 0-381-6 W/UG, GWE 36A W/UG, GWE 35A, GWE 35F, GWE 34.5A, GWE 34.5F

Match Mark-See Sheet 2

GRAPHIC SCALE
80 40 20 0 40
(IN FEET)
1 inch = 40 ft.

"TO MY KNOWLEDGE AND BELIEF THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON."

JOHN U. FAULISE JR. L.S. | LICENSE NO. 70016 | DATE

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1240 Poquonnock Road
Groton, Connecticut
Topographic Survey-Existing Conditions

SCALE: 1"=40'
DATE: October 2015
JOB I.D. NO. 15-2347
Revisions

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GRAPHIC SCALE

200 100 50 0 100

(IN FEET)

1 inch = 100 ft.

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Groton, Connecticut
Site Logistics Plan

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DATE: October 2015

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SHEET NO.

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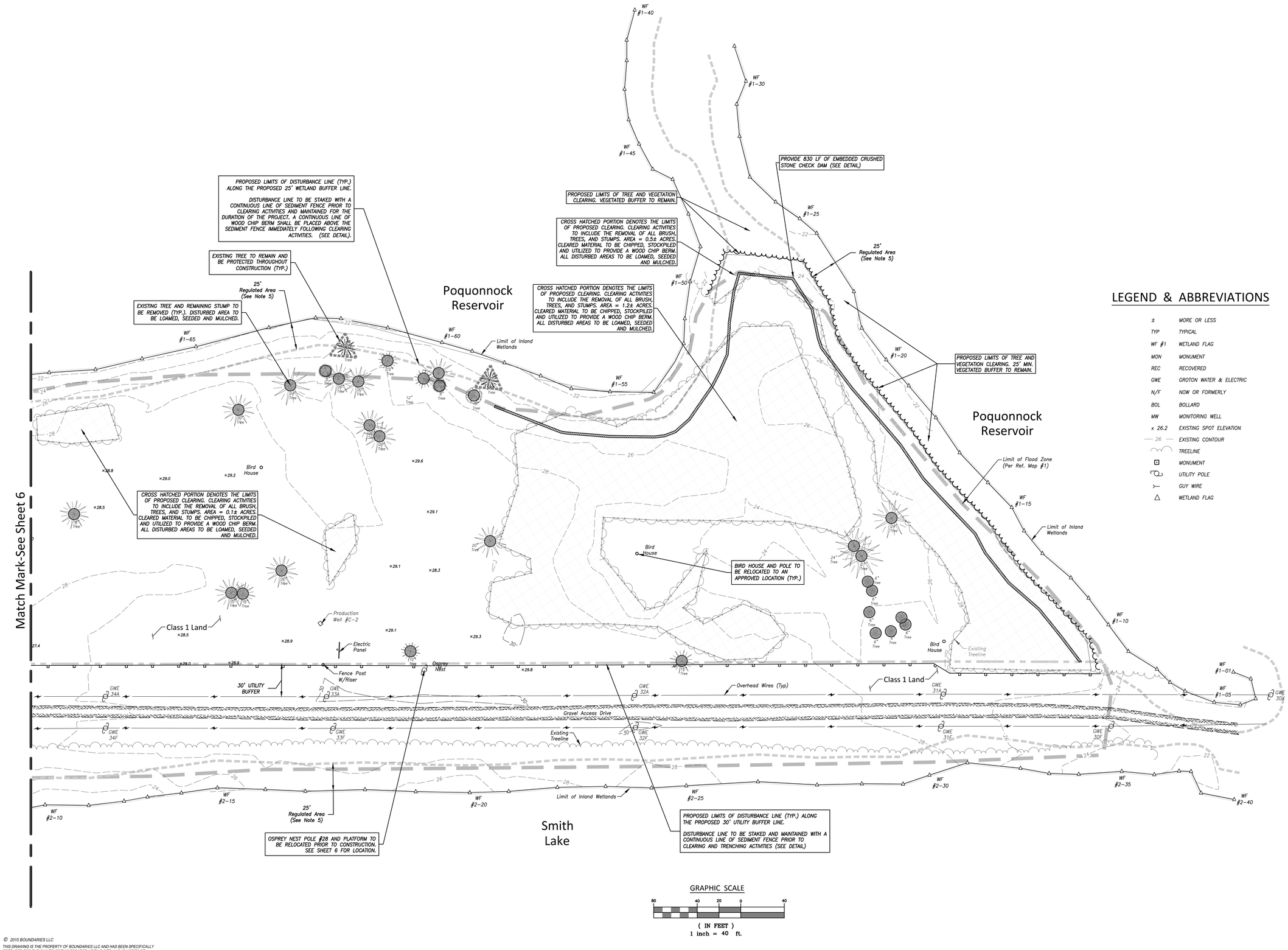

LEGEND & ABBREVIATIONS

±	MORE OR LESS
TYP	TYPICAL
WF #1	WETLAND FLAG
MON	MONUMENT
REC	RECOVERED
GWE	GROTON WATER & ELECTRIC
N/F	NOW OR FORMERLY
BOL	BOLLARD
MW	MONITORING WELL
× 26.2	EXISTING SPOT ELEVATION
— 26 —	EXISTING CONTOUR
	TREELINE
	MONUMENT
	UTILITY POLE
	GUY WIRE
	WETLAND FLAG

GRAPHIC SCALE

80 40 20 0 40

(IN FEET)

1 inch = 40 ft.

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Groton, Connecticut
Site Preparation and Demolition Plan

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OSPREY NEST PLATFORM TO BE PROTECTED FOR THE DURATION OF CONSTRUCTION.

BIRD HOUSE AND POLE TO BE RELOCATED TO AN APPROVED LOCATION (TYP.)

PROPOSED LIMITS OF DISTURBANCE LINE (TYP.) ALONG THE PROPOSED 25' WETLAND BUFFER LINE.

DISTURBANCE LINE TO BE STAKED WITH A CONTINUOUS LINE OF SEDIMENT FENCE PRIOR TO CLEARING ACTIVITIES AND MAINTAINED FOR THE DURATION OF THE PROJECT. A CONTINUOUS LINE OF WOOD CHIP BERM SHALL BE PLACED AT THE SEDIMENT FENCE IMMEDIATELY FOLLOWING CLEARING ACTIVITIES. (SEE DETAIL).

25' Regulated Area (See Note 5)

EXISTING TREE AND REMAINING STUMP TO BE REMOVED (TYP.). DISTURBED AREA TO BE LOAMED, SEEDED AND MULCHED.

OSPREY NEST POLE #27 AND PLATFORM TO BE RELOCATED PRIOR TO CONSTRUCTION. SEE THIS SHEET FOR LOCATION.

EXISTING TREE TO REMAIN AND BE PROTECTED THROUGHOUT CONSTRUCTION (TYP.)

PROPOSED LOCATION FOR OSPREY NEST POLE #27 AND PLATFORM. RELOCATION TO BE COORDINATED WITH ENVIRONMENTAL MONITOR.

PROPOSED LIMITS OF DISTURBANCE LINE (TYP.) ALONG THE PROPOSED 30' UTILITY BUFFER LINE.

DISTURBANCE LINE TO BE STAKED AND MAINTAINED WITH A CONTINUOUS LINE OF SEDIMENT FENCE IMMEDIATELY FOLLOWING CLEARING ACTIVITIES (SEE DETAIL)

30' UTILITY BUFFER

PROVIDE 375 LF OF EMBEDDED CRUSHED STONE CHECK DAM (SEE DETAIL)

PROPOSED LIMITS OF DISTURBANCE LINE. DISTURBANCE LINE TO BE STAKED AND MAINTAINED WITH A CONTINUOUS LINE OF SEDIMENT FENCE (1000'±) PRIOR TO CLEARING ACTIVITIES (SEE DETAIL)

CROSS HATCHED PORTION DENOTES THE LIMITS OF PROPOSED CLEARING. CLEARING ACTIVITIES TO INCLUDE THE REMOVAL OF ALL BRUSH, TREES, AND STUMPS. AREA = 1.4± ACRES. CLEARED MATERIAL TO BE CHIPPED, STOCKPILED AND UTILIZED TO PROVIDE A WOOD CHIP BERM. ALL DISTURBED AREAS TO BE LOAMED, SEEDED AND MULCHED.

PROVIDE CONTINUOUS LINE OF SEDIMENT FENCE (330'±) DOWNGRADIENT OF PROPOSED ELECTRICAL CONDUIT PRIOR TO TRENCH EXCAVATION (SEE DETAIL)

PROPOSED LIMITS OF DISTURBANCE LINE (TYP.) ALONG A PORTION OF THE PROPOSED VERNAL POOL NON-- DISTURBANCE AREA.

DISTURBANCE LINE TO BE STAKED WITH A CONTINUOUS LINE OF SEDIMENT FENCE PRIOR TO CLEARING ACTIVITIES AND MAINTAINED FOR THE DURATION OF THE PROJECT. A CONTINUOUS LINE OF WOOD CHIP BERM SHALL BE PLACED AT THE SEDIMENT FENCE IMMEDIATELY FOLLOWING CLEARING ACTIVITIES. (SEE DETAIL). END AT SUBSTATION FENCE.

PROPOSED LIMITS OF TREE AND VEGETATION CLEARING. VEGETATED BUFFER TO REMAIN.

CROSS HATCHED PORTION DENOTES THE LIMITS OF PROPOSED CLEARING. CLEARING ACTIVITIES TO INCLUDE THE REMOVAL OF ALL BRUSH, TREES, AND STUMPS. AREA = 0.7± ACRES. CLEARED MATERIAL TO BE CHIPPED, STOCKPILED AND UTILIZED TO PROVIDE A WOOD CHIP BERM. ALL DISTURBED AREAS TO BE LOAMED, SEEDED AND MULCHED.

LIMIT OF VERNAL POOL NON-DISTURBANCE AREA (SEE NOTE 5)

PROPOSED LIMITS OF DISTURBANCE LINE (TYP.) ALONG THE PROPOSED 30' UTILITY BUFFER LINE.

DISTURBANCE LINE TO BE STAKED AND MAINTAINED WITH A CONTINUOUS LINE OF SEDIMENT FENCE PRIOR TO CLEARING AND TRENCHING ACTIVITIES (SEE DETAIL)

LIMIT OF VERNAL POOL NON-DISTURBANCE AREA (SEE NOTE 5)

PROPOSED LOCATION FOR OSPREY NEST POLE #28 AND PLATFORM. RELOCATION TO BE COORDINATED WITH ENVIRONMENTAL MONITOR

BENCHMARK
Spike Set in GWE
Elev=28.38

Poquonnock Reservoir

Poquonnock Substation

Smith Lake

Class 1 Land

Class 2 Land

Approximate Water Main (From Groton Public Utilities)

Approximate Buried Electrical Conduit (Typ) (From Groton Public Utilities)

Approximate Buried TeleComm Conduit (Typ) (From Groton Public Utilities)

Limit of Inland Wetlands

Limit of Flood Zone (See Note #5)

Limit of Flood Zone (Per Ref. Map #1)

Vernal Pool #1

Vernal Pool #3

Existing Treeline

Overhead Wires (Typ)

Chain-Link Fence

Edge of Crushed Stone

(2) Utility Access Covers

(3) Utility Access Covers

Transformer

Gravel Access Drive

Water Meter

Approximate Property Line

Match Mark-See Sheet 5

GRAPHIC SCALE
80 40 20 0 40
(IN FEET)
1 inch = 40 ft.

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Site Preparation and Demolition Plan

SCALE:	1"=40'
DATE:	October 2015
JOB I.D. NO.	15-2347
Revisions	

SHEET NO.
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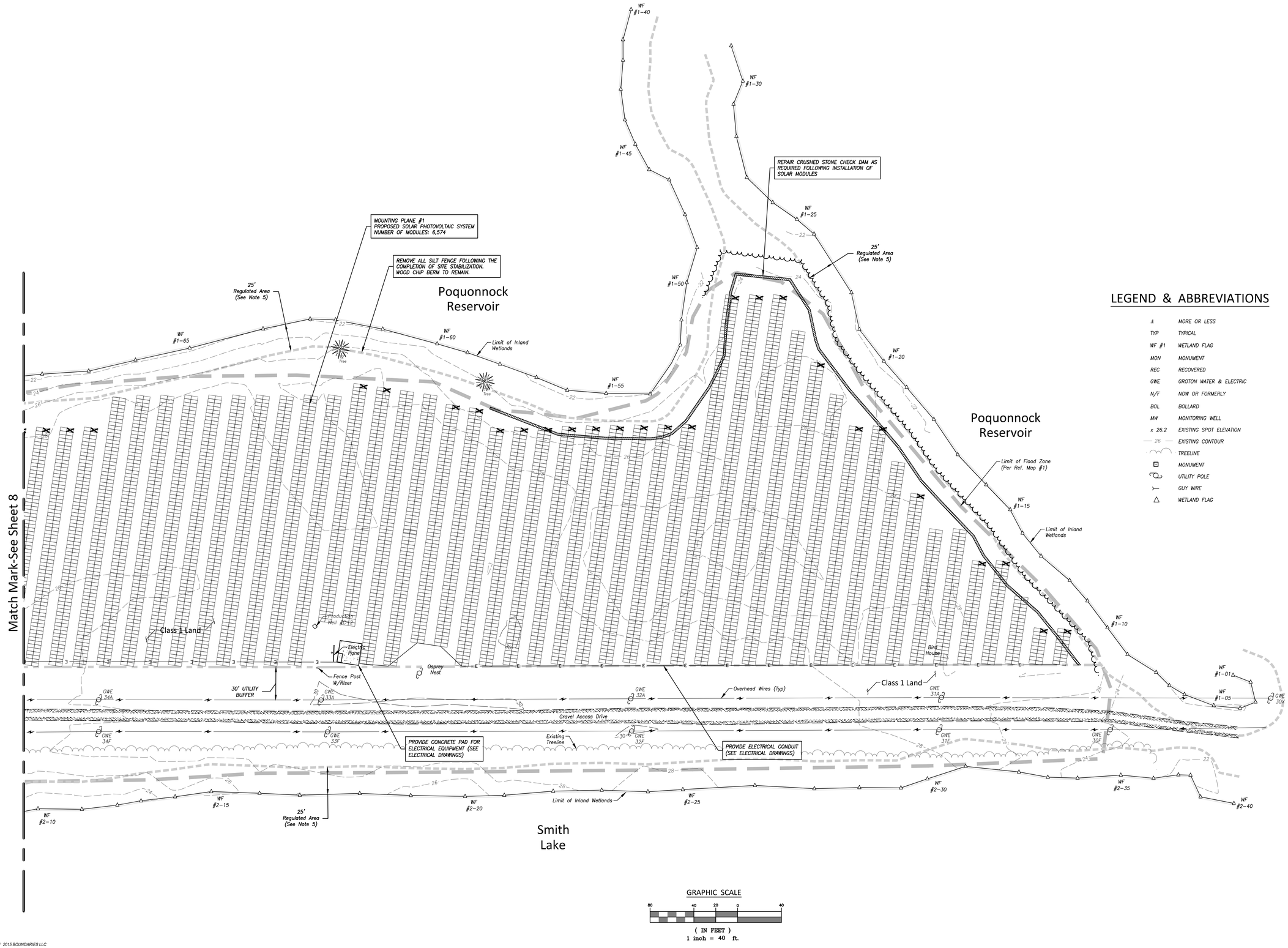

LEGEND & ABBREVIATIONS

±	MORE OR LESS
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WF #1	WETLAND FLAG
MON	MONUMENT
REC	RECOVERED
GWE	GROTON WATER & ELECTRIC
N/F	NOW OR FORMERLY
BOL	BOLLARD
MW	MONITORING WELL
x 26.2	EXISTING SPOT ELEVATION
26	EXISTING CONTOUR
	TREELINE
	MONUMENT
	UTILITY POLE
	GUY WIRE
	WETLAND FLAG

GRAPHIC SCALE

80 40 20 0 40

(IN FEET)
1 inch = 40 ft.

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Site Development Plan Solar Modules and Infrastructure

SCALE: 1"=40'
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Poquonnock Reservoir

Smith Lake

Match Mark-See Sheet 7

Osprey Nest

WF #90

25' Regulated Area (See Note 5)

Approximate Water Main Location (From Groton Public Utilities)

Limit of Inland Wetlands

Class 1 Land

WF #85

MOUNTING PLANE #2
PROPOSED SOLAR PHOTOVOLTAIC SYSTEM
NUMBER OF MODULES: 2,926

REMOVE ALL SILT FENCE FOLLOWING THE COMPLETION OF SITE STABILIZATION. WOOD CHIP BERM TO REMAIN.

RELOCATED OSPREY NEST POLE #27

Limit of Flood Zone (See Note #5)

WF #75

WF #70

Osprey Nest Pole #27

WF #80

Tree

GWE 38F

30' UTILITY BUFFER

Class 1 Land
Class 2 Land

Approximate Water Main (From Groton Public Utilities)

Approximate Buried Electrical Conduit (Typ) (From Groton Public Utilities)

Mon Rec

GWE 37F W/UG

GWE 37AW/UG

Gravel Access Drive

Chain-Link Fence

Bol

Transformer

GWE 0-381-5

GWE 0-381-6 W/UG

(2) Utility Access Covers

Approximate Buried TeleComm Conduit (Typ) (From Groton Public Utilities)

(3) Utility Access Covers

Edge of Crushed Stone

Approximate Property Line

Poquonnock Substation

PROVIDE CONCRETE PAD FOR ELECTRICAL EQUIPMENT (SEE ELECTRICAL DRAWINGS)

Overhead Wires (Typ)

GWE 36A W/UG

GWE 35A

GWE 35F

GWE 34.5A

GWE 34.5F

LIMIT OF VERNAL POOL NON-DISTURBANCE AREA (SEE NOTE 5)

PROVIDE CONCRETE PAD FOR ELECTRICAL EQUIPMENT (SEE ELECTRICAL DRAWINGS)

PROPOSED POINT OF INTERCONNECTION (SEE ELECTRICAL DRAWINGS)

RELOCATED OSPREY NEST POLE #28

BENCHMARK
Spike Set in GWE
Elev=28.36

WF #3-05

WF #3-10

WF #3-15

Limit of Inland Wetlands

WF #3-01

Vernal Pool #1

WF #3-25

WF #3-20

PROVIDE ELECTRICAL CONDUIT (SEE ELECTRICAL DRAWINGS)

Existing Treeline

LIMIT OF VERNAL POOL NON-DISTURBANCE AREA (SEE NOTE 5)

PROVIDE CONCRETE PAD FOR ELECTRICAL EQUIPMENT (SEE ELECTRICAL DRAWINGS)

REPAIR CRUSHED STONE CHECK DAM AS REQUIRED FOLLOWING INSTALLATION OF SOLAR MODULES

MOUNTING PLANE #3
PROPOSED SOLAR PHOTOVOLTAIC SYSTEM
NUMBER OF MODULES: 3,572

REMOVE ALL SILT FENCE FOLLOWING THE COMPLETION OF SITE STABILIZATION. WOOD CHIP BERM TO REMAIN.

100' Regulated Area (See Note 5)

WF #4-10

WF #4-5

WF #4-15

Vernal Pool #3

Water Meter

WF #2-05

Limit of Flood Zone (Per Ref. Map #1)

WF #2-01

GRAPHIC SCALE

80 40 20 0 40

(IN FEET)
1 inch = 40 ft.

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SCALE: 1"=40'

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Reference Is Made To:

1. Connecticut Guidelines For Soil Erosion and Sediment Control, MAY 2002.
2. Soil Survey Of New London County Connecticut, U.S.D.A. Soil Conservation Service.

Development Schedule:

Prior to the start of construction, the contractor is to schedule a mandatory preconstruction meeting on site to discuss issues as they relate to the proposed project. These issues will include but not be limited to:

1. Resource Protection.
2. Construction Vehicle Access and Parking.
3. Construction Methods and Scheduling.
4. Existing site utilities and mark-out coordination.
5. Material delivery and stockpiling.
6. Site Inspection procedures and As-Built drawings.

General Sequence of Construction:

1. Secure all necessary local, state, and federal permits. Register for all applicable state and federal permits as required.
2. Install anti-tracking pad at construction entrance and sediment fence in vicinity of proposed access drive.
3. Clear and remove all trees within the proposed clearing limits. Chip trees for use as sediment and erosion control berms (wood chip berms) for erosion control.
4. Install sediment and erosion control berms (wood chip berms) and sediment fence as shown down gradient of proposed development area prior to grubbing operations.
5. Grub stumps in cleared areas and restore disturbed areas by loaming, seeding and mulching. Stockpile excess topsoil for use in site restoration. Seed these stockpiles with ryegrass and surround with sediment fence or sediment and erosion control berm (wood chip berm). All stumps are to be ground or disposed of off-site at a location approved to accept stumps.
6. Install wetlands mitigation improvements and proposed solar array system. Install conduit, concrete utility pads and electrical equipment as required for harvesting power.
7. After all areas have been permanently stabilized, remove erosion control measures. Wood chip berms may be left in place.

Soil Disturbance Phasing:

The project results in an estimated total soil disturbance of approximately 4.04 acres as a result of the following activities:

1. Clearing, grubbing, and restoration of Mounting Planes 1 and 2 – 1.85 acres
2. Clearing, grubbing, and restoration of Mounting Plane 3 – 2.14 acres
3. Miscellaneous site improvements (landscaping, utilities, etc.) – 0.05 acres

Each of the soil disturbing activities referenced above will be completed and disturbed areas stabilized to insure that the total disturbed area on site does not exceed 5.0 acres at any given time.

Construction Notes:

1. The Contractor shall Call Before You Dig at 811 or 1-800-922-4455 at least 72 hours, Saturdays, Sundays, and holidays excluded, prior to excavation at any location. A copy of the Call Before You Dig project reference number(s) shall be given to the Owner prior to excavation.
2. Locations of existing pipes, conduits, utilities, foundations and other underground objects are not warranted to be correct and the Contractor shall have no claim on that account should they be other than that shown.
3. Stone walls, fences, curbs, etc. shall be removed and replaced as necessary to perform the work. Unless otherwise indicated, all such work shall be incidental to construction of the project.
4. All other areas disturbed by the Contractor beyond payment limits shall be restored at no additional cost to the Owner.
5. The wetland buffer line shall be staked out in the field prior to any clearing operations.
6. All work shall be done in accordance with OSHA requirements and the contractor is responsible for compliance with these requirements. In addition, it shall be the responsibility of the Contractor to provide any excavation safeguards, necessary barricades, flagmen, etc. for traffic control and site safety.
7. All erosion & sedimentation control measures shall be installed prior to the start of construction.
8. All fuel, oil, paint or other hazardous materials used during construction should be stored in a secondary container and removed to a locked indoor area with an impervious floor during non-work hours.

Erosion Control Operation & Maintenance:

The applicant shall be responsible for the installation and maintenance of erosion and sediment control measures throughout the project. No construction shall proceed until proper sedimentation and erosion control methods have been installed as the sequence of construction necessitates.

Every precaution shall be used during construction to prevent and minimize the degradation of the existing water quality from stormwater runoff during construction. All activities shall be in conformance to and consistent with all applicable water quality standards and management practices as set forth by local, state and federal agencies.

The applicant shall appoint an onsite agent who shall be personally responsible for implementing this erosion and sediment control plan and enforcing the prescribed safeguards during the excavation and operation period.

This responsibility includes the installation and maintenance of control measures throughout the project, informing all parties engaged on site of the requirements and objectives of the plan, notifying the proper agency and officials of any transfer of this responsibility.

All erosion and sediment control measures shall be repaired, cleaned and/or replaced as necessary throughout the project in order to maintain complete and integral erosion and sediment control protection. Once in place, all erosion and sediment control measures are to remain in place in proper condition and be continuously maintained until final site restoration has been completed. Following such permanent stabilization, the erosion and sediment control measures shall be dismantled, removed, and disposed of in an approved manner. Additional erosion and sediment control measures beyond those shown on the plans or prescribed herein shall be put in place, whenever necessary, to address field conditions and/or as ordered by the engineer.

Qualified personnel provided by the applicant shall inspect disturbed areas and the locations where vehicles enter and leave the site. These areas shall be inspected at least once every seven calendar days and within twenty-four hours of the end of a storm that is 0.5 inches or greater. Additional measures beyond those indicated and/or shown on this plan set or prescribed herein shall be put in place, whenever necessary, to address field conditions and/or as required by the engineer. Where sites have been temporarily or finally stabilized, such inspection shall be conducted at least once every month for three consecutive months.

No soil, fill or other materials shall be deposited in surrounding inland wetlands.

All temporary storage and/or stockpile areas shall be properly stabilized to prevent erosion and suitably contained to prevent turbid runoff.

Dumping of oil or other deleterious materials on the ground is forbidden. The applicant shall provide a means of catching, retaining and properly disposing of drained oil, removed oil filters, or other deleterious material from equipment used on site. Vehicle maintenance shall be completed off site. All oil spills shall be immediately reported to the department of energy and environmental protection/hazardous materials office. Failure to do so may result in the imposition of fines under the applicable Connecticut General Statutes.

During construction, the applicant shall be responsible for site inspection and maintenance to assure proper performance of erosion control measures. Inspection and maintenance shall include, at a minimum, the following:

- Inspect all sediment fence, wood chip berms and other erosion control measures. Repair or replace any damaged portion in order to insure its proper and effective operation. Remove accumulated sediment if required (greater than 4" depth).
- Inspect all stockpiles. Repair or replace any damaged portion of erosion control measures surrounding these areas in order to prevent sedimentation downgradient.
- Inspect grass restored areas. Revegetate any eroded or disturbed areas to provide permanent stabilization. Reseed and/or revegetate any areas that do not have a suitable stand of grass or any scoured areas to provide permanent stabilization.
- Inspect anti-tracking pad. Remove and dispose of pad and replace if pad is no longer functioning efficiently or accumulated sediment is to a depth of 2" below the stone surface.
- Inspect all wood chip berms. Remove accumulated sediment if required (blocking more than 3" depth of flow).
- Inspect downgradient areas of all solar arrays. Stabilize any eroded areas if found.

Erosion and Sediment Control Best Management Practices (BMP'S)

Minimize Disturbed Area and Protect Natural Features and Soil:

Topsoil:

Topsoil will be removed and stockpiled on site and utilized for final grading. Additional topsoil, if required will be supplied from an off-site source. Excess materials resulting from "cut slopes" in the areas of the proposed construction that are not intended for reuse will be immediately removed from the site. When soil is stockpiled, the slope of the stockpile will not exceed 2 horizontal to 1 vertical.

Installation Schedule: As noted, excavated topsoil will be stockpiled on site. Sediment fence will be placed around any stockpiles that are not immediately removed from the site to protect the existing drainage ditches and off site areas.

Maintenance and Inspection: The cut and fill areas will be inspected weekly for erosion. These areas will be stabilized immediately with erosion controls or graded to avoid possible disturbance to the existing drainage ditches or off site areas. See also maintenance and inspection procedures for silt fence.

Control Stormwater Flowing Onto and Through the Project:

Area for Silt to accumulate:

BMP/Installation Schedule: Before any grading operations begin, a wood chip filter berm or sediment fence will be installed adjacent to the areas under construction just outside the limits of disturbance. Other adjacent off site areas will always be protected by a sediment fence or another BMP until final stabilization is achieved.

Maintenance and Inspection: The graded areas and sediment fence will be inspected weekly to ensure that there are no structural failures and immediately after rain events.

Construction Specifications

Erosion and Sediment Control Berm (Wood Chip Filter Berm)

1. The material for wood chip filter berms will be acquired in conjunction with the removal and chipping of trees located within the project area.

Installation

Erect wood chip filter berm in a continuous fashion at the specified height and width.

Maintenance:

1. Sediment should be removed once it has accumulated to a depth of 4".
2. Berm should be repaired if it has been breached.
3. Berm can be left in place permanently and left to deteriorate.
4. All sediment accumulated at the berm should be removed and properly disposed of if the berm is to be removed.

Sediment Fence

1. The material for sediment fences should be a pervious sheet of synthetic fabric such as polypropylene, nylon, polyester, or polyethylene yarn.
2. The stakes used to anchor the filter fabric should be wood or metal. Wooden stakes should be at least 3 feet long and have a minimum diameter of 2 inches if a hardwood like oak is used. Stakes from soft woods like pine should be at least 4 inches in diameter.
3. Erect sediment fence in a continuous fashion from a single roll of fabric to eliminate gaps in the fence. If a continuous roll of fabric is not available, overlap the fabric from both directions only at stakes or posts. Overlap at least 6 inches. Excavate a trench to bury the bottom of the fabric fence at least 6 inches below the ground surface. This helps to prevent gaps from forming near the ground surface. Gaps would make the fencing useless as a sediment barrier.
4. The height of the fence posts should be 16 to 34 inches above the original ground surface. Space the posts no more than 10 feet apart.
5. The fence should be designed to withstand the runoff from a 10-year peak storm event. Once installed, it should remain in place until all areas upslope have been permanently stabilized by vegetation or other means.

Installation:

1. Dig a 6" deep trench on the uphill side of the proposed barrier location.
2. Position the posts on the downhill side of the fabric barrier and drive the post 1.5 feet into the ground.
3. Lay the bottom 6" of the fabric barrier in the trench to prevent undermining and backfill.

Maintenance:

1. Sediment should be removed once it has accumulated to 4" depth.
2. Filter fabric should be replaced whenever it has deteriorated to such an extent that the effectiveness of the fabric is reduced (approximately six months).
3. Sediment fence should remain in place until disturbed areas have been permanently stabilized.
4. All sediment accumulated at the fence should be removed and properly disposed of before the fence is removed.

Inspection:

1. Inspect sediment fence before anticipated storm events (or series of storm events such as intermittent showers over one or more days) and within 24 hours after the end of a storm event of 0.5 inches or greater, and at least once every seven calendar days, at least 72 hours apart.
2. Where sites have been finally or temporarily stabilized, such inspections may be conducted once per month.

Straw Bale Barrier

Installation

1. Excavate trench 4" and place material upslope of trench.
2. Place bales in a single row in the trench, lengthwise, with ends of adjacent bales tightly abutting one another and the bindings oriented around the sides rather than along the tops and bottoms of the bales (to avoid premature rotting of the bindings).
3. Anchor each bale with at least 2 stakes, driving the first stake in each bale toward the previously laid bale to force the bales together. Stakes must be driven a minimum of 18 inches into the ground. Fill any gaps between the bales with straw to prevent water from escaping between the bales.
4. Backfill the bales with the excavated trench material to a minimum depth of 4 inches on the uphill side of the bales. Tamp by hand or machine and compact the soil. Loose straw scattered over the disturbed area immediately uphill from the hay bale barrier tends to increase barrier efficiency.

Maintenance

1. Inspect the straw bale barrier at least once a week and within 24 hours of the end of a storm with a rainfall amount of 0.5 inch or greater to determine maintenance needs. For dewatering operations, inspect frequently before, during, and after pumping operations. Remove the sediment deposits when sediment deposits reach approximately one half the height of the barrier.
2. Replace or repair the barrier within 24 hours of observed failure. Failure of the barrier has occurred when sediment fails to be retained by the barrier because:
   (a) the barrier has been overtopped, undercut or bypassed by runoff water,
   (b) the barrier has been moved out of position, or
   (c) the straw bales have deteriorated or been damaged.
3. When repetitive failures occur at the same location, review conditions and limitations for use and determine if additional controls are needed to reduce failure rate or replace straw bale barrier.
4. Maintain the straw bale barrier until the contributing area is stabilized. After the upslope areas have been permanently stabilized, pull the stakes out of the hay bales. Remove sediment.

Dust Control:

Dust from the site will be controlled by using a mobile pressure-type distributor truck that will apply potable water at rate of 300 gallons per acre and minimized as needed to avoid ponding.

Installation Schedule: Dust control will be implemented as needed once site grading has been initiated, and during windy conditions exceeding 20mph, while site grading is occurring. Spraying of potable water will be performed once per day during the months of March through May and no more than three times per day from June to September or whenever dryness of soil warrants it.

Maintenance Schedule: At least one mobile unit will be available at all times during construction to apply potable water. Each mobile unit shall be equipped with a positive shutoff valve to prevent over watering of disturbed areas.

Soil Stabilization:

Temporary Stabilization:

BMP Description: Hydromulching will be used on slopes where construction will cease for more than 14 days and over the winter months to stabilize erodible materials. Straw mulch and wood fiber will be mixed with a tackifier and applied uniformly by machine with an application rate of 2 tons (100-200 bales) per acre. The contractor will use crimping equipment to bind the mulch to the soil if the tackifier is not effective. Netting will be used on small areas with steep slopes. In areas where hydromulching is inaccessible, straw mulch will be applied by hand at the same application rate.

Temporary Seeding will be used on any area where construction activity is suspended for more than twenty-one days to stabilize erodible materials. Refer to the Erosion Control Plan for guidance on seeding mixtures, rates, and acceptable planting dates for temporary seeding.

Installation Schedule: Portions of the site where construction activities will temporarily cease for more than 14 days will be stabilized with mulch. Where construction activities will temporarily cease for more than 21 days it will be temporarily seeded. Winter stabilization will be provided between December 25 and March 30.

Maintenance and Inspection: Mulched areas will be inspected weekly to ensure that adequate coverage is provided. Repairs will be conducted as needed.

Seed Mixture For Temporary Seeding

	LBS./ACRE	LBS./1000 S.F.
Annual Ryegrass	40	1.0

See Figure TS-2 in the 2002 Guidelines for additional temporary seed mixes.

Final Stabilization:

Permanent seeding should be applied immediately after the final design grades are achieved at the site but no later than 14 days after construction activities have permanently ceased. After the entire site is stabilized, any sediment that has accumulated will be removed and hauled off site to a licensed landfill facility. Construction debris, trash, and temporary BMP's will also be removed and any areas disturbed during removal will be seeded immediately.

Seedbed Preparation:

1. Topsoil will be spread over final graded areas at a minimum depth of four inches. Topsoil shall inclusively mean a soil meeting one of the following soil textural classes established by the United States Department of Agriculture soil classification system based on the proportion of sand, silt, and clay size particles after passing a 2 millimeter (mm) sieve and subjected to a particle size analysis:
   1.1. Loamy sand, including coarse, loamy fine, and loamy very fine sand, sandy loam, including coarse, fine and very fine sandy loam, loam, or silt loam with not more than 60% silt;
   1.2. Containing not less than 6% and not more than 20% organic matter as determined by loss-on-ignition of oven dried samples dried at 105 degrees centigrade;
   1.3. Possessing a ph range of 6.0-7.5, except if the vegetative practice being used specifically requires a lower ph, then ph may be adjusted accordingly;
   1.4. Having soluble salts not exceeding 500 ppm;
   1.5. And that is loose and friable and free from refuse, stumps, roots, brush, weeds, frozen particles, rocks, and stones over 1.25 inches in diameter, and any material that will prevent the formation of a suitable seedbed or prevent seed germination and plant growth.
2. Fertilizer will be applied to the seedbed as needed. Fertilizers will be commercial type of uniform composition, free-flowing and conforming to the applicable State and Federal laws. Choose native species that are adapted to local weather and soil conditions wherever possible to reduce water and fertilizer inputs and lower maintenance overall.
3. Topsoil will be loosened by raking, tilling or other suitable methods.

Final stabilization should be installed on portions of the site where construction activities have permanently ceased but no later than 14 days after construction ceases.

All seeded areas will be inspected weekly during construction activities for failure until a dense cover of vegetation has been established. If failure is noticed on the seeded area, the area will be reseeded, fertilized and mulched immediately. After construction is complete at the site permanent stabilization measures will be monitored until final stabilization is reached.

Seed Mixture For Upland Areas

	LBS./ACRE	LBS./1000 S.F.
Kentucky Bluegrass	20	0.45
Creeping Red Fescue	20	0.45
Perennial Ryegrass	5	0.10
	45	1.00

The recommended seeding dates are: April 1-June 15 and August 1-September 15

Spill Preventation and Control Plan:

1. Vehicle Maintenance: Vehicles and equipment will be maintained off-site. All vehicles and equipment including subcontractor vehicles will be checked for leaking oil and fluids upon entering the site. Vehicles leaking fluid will not be allowed on-site. Drip pans will be placed under all vehicles and equipment that are parked overnight. Parking shall be in the areas designated on the site logistics plan or as approved by the property owner.
2. Vehicle Fueling: Refueling of vehicles and equipment shall be conducted in the designated laydown area. The location within the laydown area shall be comprised of an impervious surface without access to any subsurface drainage structures.
3. Hazardous Material Storage: Hazardous materials including but not limited to fuel, oil and petroleum products and solvents will be stored in an approved covered storage unit and provided with secured secondary containment with an impervious floor in accordance with federal and municipal regulations.
4. Material safety data sheets, a material inventory, and emergency contact information will be maintained at the on-site project trailer.
5. Spill Kits: Spill kits will be stored within the material storage area,concrete washout areas, and designated fueling area.
6. Spills: All spills will be cleaned up immediately upon discovery. Spent absorbent materials and rags shall be placed in a sealed drum and will be hauled off-site immediately after the spill is cleaned up for disposal at the appropriate landfill. Spills or releases of hazardous chemicals or petroleum products shall be promptly reported to CTDEEP at 1-800-424-3338 and the National Response Center 1-800-424-8802.

In accordance with Connecticut General Statues the contractor shall within 24 hours of verbal notificationcomplete a written "Report of Petroleum or Chemical Product Discharge, Spillage or Release" and mail it to: CTDEEP, Bureau of Waste Management, 79 Elm Street, Hartford, Ct, 06106-5127.

Installation Schedule: The spill prevention and control procedures will be implemented once construction begins on-site.

Spill Prevention and Control Best Management Practices (BMP'S) Description:

1. Material Handling and Waste Management:

Waste Materials:

All waste materials will be collected and disposed of into metal waste dumpsters in designated areas. Dumpsters will have a secure tight lid, be placed away from storm water drains and structures, and will meet all federal, state, county, and local regulations. Only trash and construction debris will be placed in the dumpsters. Construction materials will not be buried on site.

Maintenance and Inspection: The dumpsters will be inspected weekly and immediately after storm events. The dumpster will be emptied weekly or more frequently if needed, and taken to the appropriate landfill.

Hazardous Waste Materials:

BMP Description: All hazardous waste materials including oil filters, petroleum products, paint, and equipment maintenance fluids will be stored in structurally sound and sealed shipping containers in a designated area. Hazardous waste materials will be stored in appropriate and clearly marked containers and segregated from other non-waste materials. Secondary containment will be provided for all waste materials in a designated area and will consist of commercially available spill pallets. Additionally, all hazardous waste materials will be disposed of in accordance with federal, state, county, and local regulations. Hazardous waste materials will not be disposed of into the on-site dumpsters.

Maintenance and Inspection: The hazardous waste materials area will be inspected weekly and after storm events. The storage area will be kept clean, well organized and equipped with ample cleanup supplies as appropriate for the materials being stored. Material safety data sheets, material inventory, and emergency contact numbers will be maintained in the office trailer.

Sanitary Waste:

BMP Description: Portable toilets, located in the staging area, will be provided at the site throughout the construction phase. The toilets will be located away from concentrated drainage flow paths and will have collection pans underneath as secondary containment.

Maintenance and Inspection: Sanitary waste will be collected a minimum of once a week and shall be inspected weekly for evidence of leaking holding tanks.

Recycling:

BMP Description: Wood pallets, cardboard boxes, and other recyclable construction scraps will be disposed of in a designated dumpster for recycling. The dumpster will have a secure watertight lid, be placed away from stormwater conveyances and drains and meet all local and state solid-waste management regulations. Only solid recyclable construction scraps from the site will be deposited in the dumpster.

Maintenance and Inspection: The recycling dumpster will be inspected weekly. The recycling dumpster will be emptied when full and taken to an approved recycling center by the contractor. If recyclable construction wastes are exceeding the dumpster's capacity, the dumpsters will be emptied more frequently.

2. Designate Washout Areas:

Concrete Washout

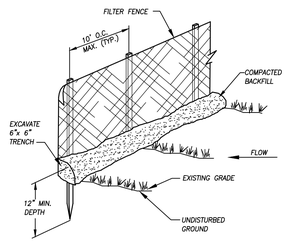
BMP Description: A designated temporary, above-grade concrete washout area will be constructed for concrete washout. The washout area will be lined with plastic sheeting at least 10 mils thick and free of holes or tears. Concrete pours will not be conducted during or before an anticipated storm event. Concrete mixer trucks and chutes will be washed in the designated washout area or concrete wastes will be properly disposed of off-site. When the temporary washout area is no longer needed for the construction project, the hardened concrete and materials used to construct the area will be removed and disposed of in accordance with all applicable local, State and Federal regulations, and the area will be stabilized.

Installation Schedule: The washout area will be constructed before concrete pours occur at the site.

3. Vehicle Fueling and Maintenance Practices:

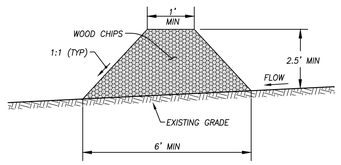
BMP Description: Several types of vehicles and equipment will be used on-site throughout the project, including graders, scrapers, excavators, loaders, rollers, trucks and trailers, backhoes, and forklifts. All major equipment/vehicle fueling will be performed in the staging area. This proposed activity is to be situated so that drainage facilities or water courses located in the area are not at risk from potential infiltration. Absorbent, spill-cleanup materials and spill kits will be available at the combined staging and materials storage area. Drip pans will be placed under all equipment parked overnight. Fuel will be delivered to the site on an as needed basis by a fuel delivery service. Fueling of equipment will only occur in designated fueling areas. Vehicle maintenance including washing is prohibited on site.

Installation Schedule: BMPs implemented for fueling activities will begin at the start of the project.



SEDIMENT FENCE DETAIL

NOT TO SCALE



SEDIMENT AND EROSION CONTROL BERM

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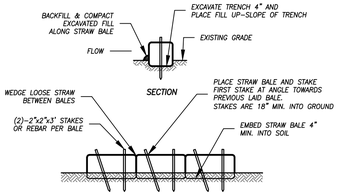

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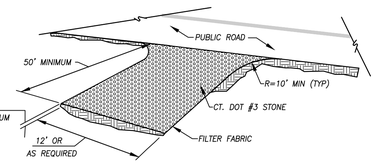

ANTI-TRACKING PAD

NOT TO SCALE

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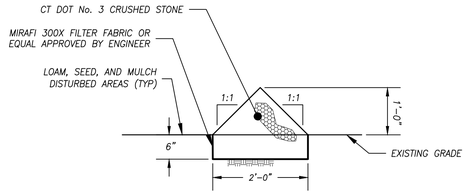
SolarCity Corporation
Proposed Solar Photovoltaic System
1240 Poquonnock Road
Groton, Connecticut
Erosion & Sediment and Spill Prevention & Control Plan

SCALE: As Noted
DATE: October 2015
JOB I.D. NO. 15-2347
Revisions

SHEET NO. 9 / 10



STONE CHECK DAM

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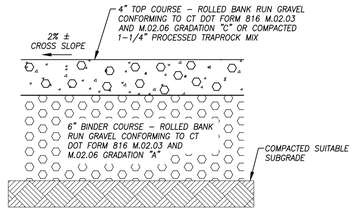

TRAFFIC BOUND GRAVEL SURFACE

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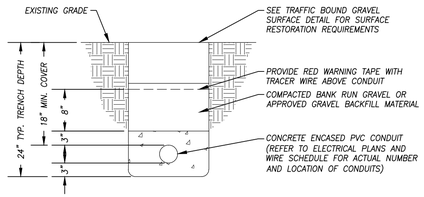

CONDUIT TRENCH THROUGH GRAVEL DRIVE DETAIL

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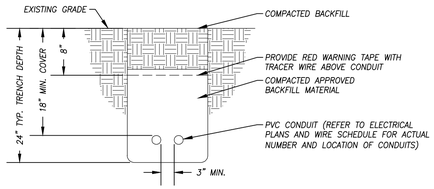


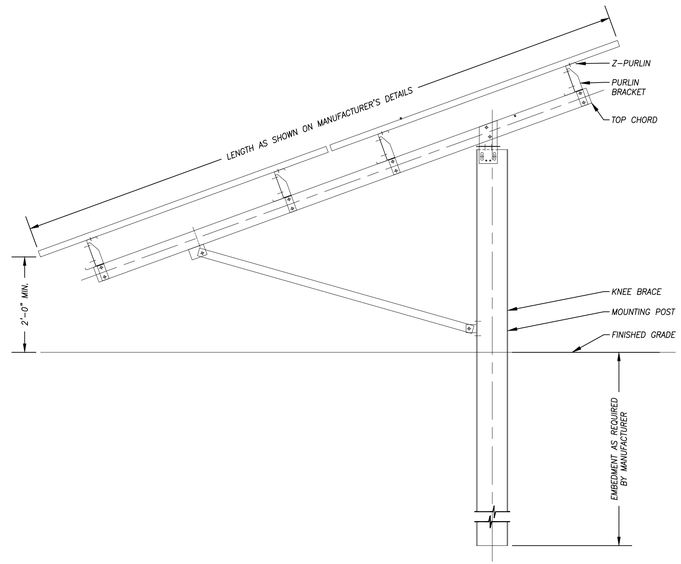
NON-TRAFFIC CONDUIT TRENCH DETAIL

NOT TO SCALE

NOTE:
1. SIGNS MOUNTED ON GATES AT ALL ENTRANCES.
2. SIGNS TO BE RATED FOR OUTDOOR ENVIRONMENTS.

IDENTIFICATION SIGNAGE

NOT TO SCALE



NOTES:
SEE MANUFACTURER'S DETAIL SHEETS FOR ADDITIONAL INFORMATION REGARDING RACKING SYSTEM REQUIREMENTS AND INSTALLATION PROCEDURES. RACKING SYSTEM TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS.

TYPICAL POST MOUNTED RACKING SYSTEM DETAIL

NOT TO SCALE

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SolarCity Corporation
Proposed Solar Photovoltaic System
1240 Poquonnock Road
Groton, Connecticut
Site Details

SCALE: As Noted
DATE: October 2015
JOB I.D. NO. 15-2347

Revisions

SHEET NO.
10
10

ENVIRONMENTAL ASSESSMENT

SOLAR FACILITY INSTALLATION

1240 POQUONNOCK ROAD

GROTON, CONNECTICUT

NEW LONDON COUNTY

Prepared for:

SolarCity Corporation
c/o Brightfields Development, LLC
40 Walnut Street, Suite 301
Wellesley, MA 02481

Prepared by:

All-Points Technology Corporation, P.C.
3 Saddlebrook Drive
Killingworth, CT 06419

October 2015

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Appendix Title

Project Introduction

All-Points Technology Corporation, P.C. ("APT") prepared this Environmental Assessment ("EA") on behalf of SolarCity Corporation ("SolarCity") c/o Brightfields Development, LLC for the proposed installation of an approximately 4.05 megawatt ("MW") solar-based electric generating facility in the Town of Groton, Connecticut (the "Project").

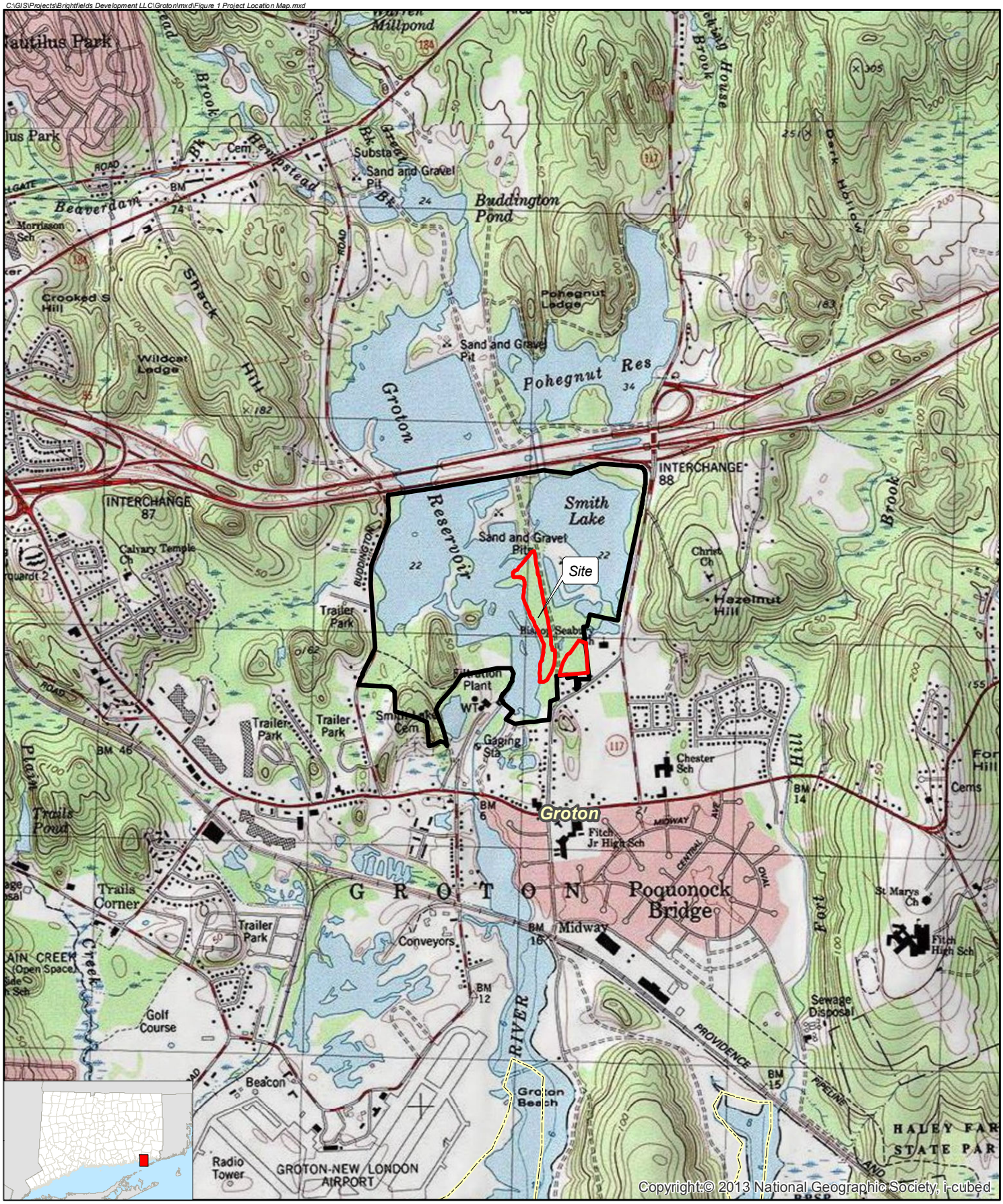
This EA has been completed to support SolarCity's submission of a petition for declaratory ruling that no Certificate of Environmental Compatibility and Public Need is required for the construction, maintenance, and operation of the Project.

The Project would be located at 1240 Poquonnock Road (State Route 1), Groton, Connecticut ("Site"). The municipally-owned Site consists of approximately 290.5 acres, a portion of which is developed with the City's Water Treatment Plant infrastructure, as well as the Poquonnock electrical substation and transmission lines. A large part of the Site contains the Groton Reservoir and Smith Lake. Figure 1, *Project Location Map*, depicts the location of the Site and surrounding area.

The Site is situated north of Poquonnock Road, south of Interstate 95, east of Buddington Road and west of North Road (State Route 117). The Site vicinity is characterized by surrounding forest and undeveloped land associated with the reservoir's watershed, the I-95 and Route 1 transportation corridors, and residential development to the east, south and west.

The Project would occupy approximately 13.5 acres of the Site ("Project Area"). The proposed solar array ("facility") would be comprised of approximately 13,072 Canadian Solar 310 watt modules, five (5) Solectria inverters, and four (4) Cooper transformers. The facility would use a post-driven mounting system. Individual panels would be placed at a 20° tilt to the south.

C:\GIS\Projects\Brightfields Development LLC\Groton\mxd\Figure 1 Project Location Map.mxd



Legend

- Project Area (+/-13.48 acres)
- Site Property Boundary

Figure 1
Project Location Map

Proposed Solar Facility
1240 Poquonnock Road
Groton, Connecticut

Map Notes:
Base Map Source: USGS 7.5 Minute Topographic Quadrangle Map, New London (1984), CT
Map Scale: 1:24,000
Map Date: July 2015

N W E S

1,000 500 0 1,000 Feet

BRIGHTFIELDS DEVELOPMENT LLC

ALL-POINTS TECHNOLOGY CORPORATION

Existing Conditions

The purpose of this section is to describe current conditions of the Site. A detailed discussion of the proposed Project's effects on the environment is provided in following sections of this document.

Project Location

The Site consists of a single, City-owned parcel located at 1240 Poquonnock Road and encompasses a total of approximately 290.5 acres.

Portions of the Site are developed with the Groton Utilities water treatment plant infrastructure, as well as the Poquonnock electrical substation and transmission lines. The remainder of the Site is a mix of undeveloped woods, fields and open water bodies associated with the Groton Reservoir system.

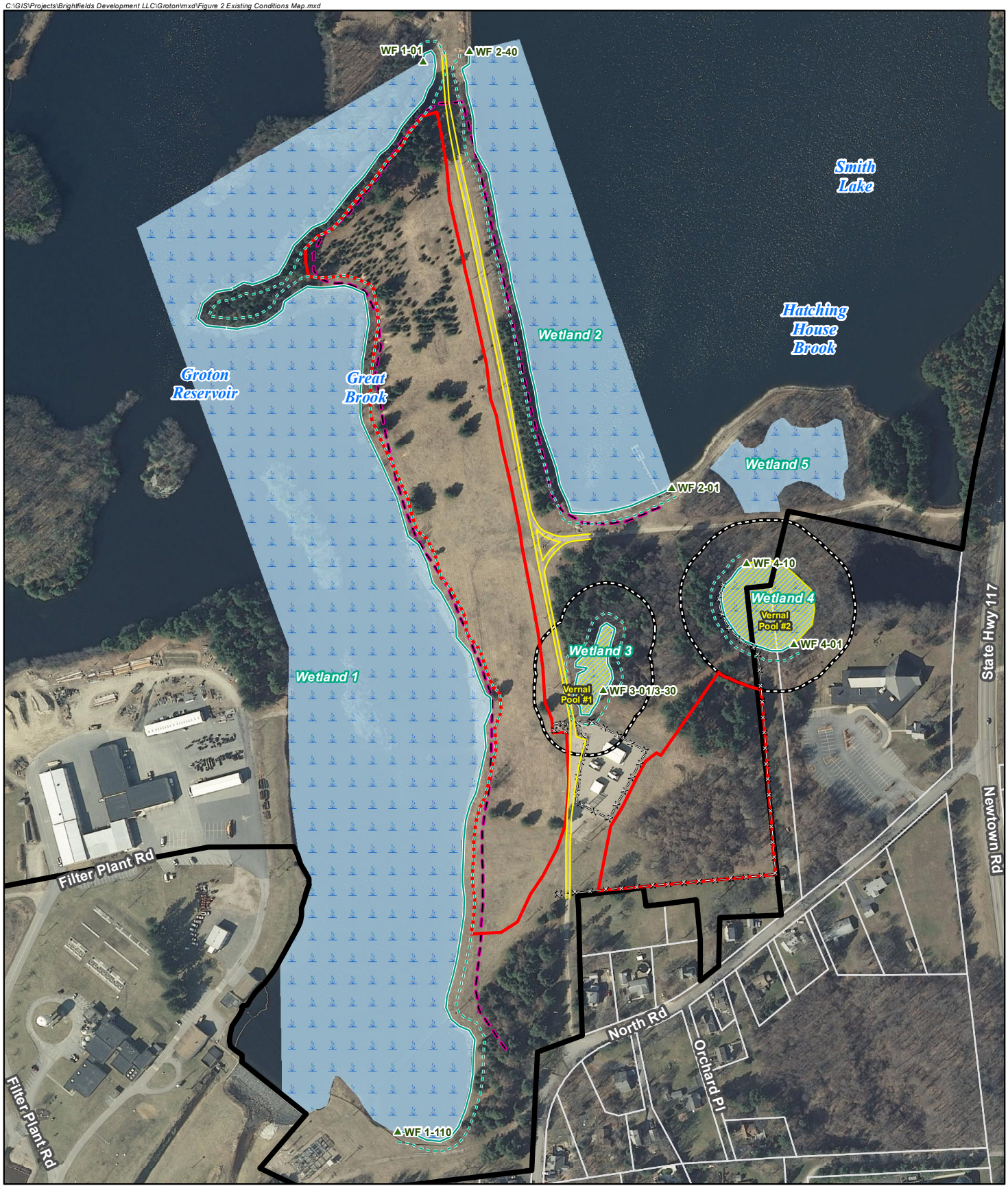
The majority of the 13.5± acre Project Area consists of open land (approximately 75%). The remainder is woodlands.

Site Access

Access to the Site is restricted but can be gained via existing drives off Poquonnock Road and North Road which connects to a system of interior access roads.

Figure 2, *Existing Conditions Map*, depicts current conditions on the Site, its access, abutting properties, and several key features discussed herein.

C:\GIS\Projects\Brightfields Development LLC\Groton\mxd\Figure 2 Existing Conditions Map.mxd



Legend

- Site Boundary
- Project Area (+/-13.48 acres)
- Approximate Assessor Parcel Boundary (CTDEEP)
- Existing Gravel Access Drive
- Existing Fence Line
- Start/End Wetland Flag
- Wetland Boundary
- 25' Wetland Buffer
- Limit of 500-Year Flood Zone
- Wetland Area
- Vernal Pool
- 100' Vernal Pool Envelope

Figure 2
Existing Conditions Map

Proposed Solar Facility
1240 Poquonnock Road
Groton, Connecticut

Map Notes:
Base Map Source: 2012 Aerial Photograph (CTECO)
Map Scale: 1 inch = 325 feet
Map Date: October 2015

325 162.5 0 325 Feet

N W E S

BRIGHTFIELDS DEVELOPMENT LLC

ALL-POINTS TECHNOLOGY CORPORATION

Wetlands and Watercourses

Matthew Gustafson, a Connecticut registered Soil Scientist with APT, conducted an inspection of the Subject Property on May 1st and 5th, 2015 to determine the presence and extents of wetland resources on the Site, proximate to the proposed Project Area. Four (4) wetland areas were delineated on the Site. A fifth wetland area was identified on the Site, but not field delineated because it is located over 400± feet from any of the proposed Project activities. A copy of the APT *Inland Wetland & Watercourse Report* prepared by Mr. Gustafson and *Photo-Documentation* of existing resources at the Site are included as Appendix A. The wetland resources are summarized below and depicted on Figure 2.

Wetland 1 consists of the delineated banks of a large open waterbody identified as part of the Groton Reservoir system. This portion of the Groton Reservoir is located west of a large upland peninsula where the main part of the Project Area is located. A majority of the banks of this wetland resource are regularly mowed resulting in mostly emergent and stunted scrub/shrub growth. Areas to the north maintain some forested buffer (primarily focused to a forested peninsula to the far north). Some emergent and scrub/shrub vegetation can be found colonizing the inundated bordering edges primarily consisting of buttonbush (*Cephalanthus occidentalis*) and various reed/cattail species. Submergent vegetation[1] is also present within these inundated bordering edges. This wetland resource generally drains south and is controlled by a concrete weir structure.

Wetland 2 consists of the delineated banks of Smith Lake, another large open waterbody that is part of the Groton Reservoir system. This resource is located east of the large upland peninsula identified above. The southern banks of this wetland consist of steeply sloping exposed sand and gravel shores with sparse scrub/shrub vegetation. Western banks of this resource are very steeply sloping with upland edges dominated by mature red pine (*Pinus resinosa*). The edges and bottom of this inundated resource are generally devoid of vegetation with sparse submergents and emergent[2] plants.

[1] Plants that are completely beneath the surface of water.
[2] Plants which grow in water but pierce the surface so that they are partially in air.

Wetland 3 is a small isolated depression located adjacent to a utility transmission corridor (west) and a transmission substation (south). This resource is generally half forested (north) and half scrub-shrub/emergent dominant (south). The core of this resource area is entirely open water, consisting of year round inundation. This dominant cover type composition is a result of management activities, consisting of yearly mowing, associated with the electrical transmission corridor. The vegetation management of this resource occurs up to the inundated boundary of the resource with primarily emergent vegetation dominant with sparse scrub/shrub vegetation present. Wetland 3 was found to provide sufficient hydrology and hydroperiod to support vernal pool breeding habitat. Maximum water depth was recorded at three (3) feet or more. As previously noted, this feature is isolated with no discernable hydrological inlet or outlet. Dominant vegetation in the tree stratum includes white pine (*Pinus strobus*) and red maple (*Acer rubrum*). Dominant vegetation in the emergent and scrub/shrub stratum include sensitive fern (*Onoclea sensibilis*), arrow arum (*Peltandra virginica*), sedge species, silky dogwood (*Cornus racemosa*), and speckled alder (*Alnus rugosa*).

Wetland 4 is associated with a large open waterbody extending off Site to the east (east of a chain link fence controlling access to the Site) with moderately to steeply sloping banks. The open water areas of this resource are colonized intermittently by buttonbush 'rafts'. Banks are dominated by scrub/shrub vegetation consisting of highbush blueberry (*Vaccinium corymbosum*), pepperbush (*Clethra alnifolia*), and winterberry (*Ilex verticillata*). Wetland 4 was also found to contain evidence of vernal pool breeding activity. This resource is hydrologically isolated from the adjacent open waterbody to the north by a narrow forested upland ridge dominated by red maple.

Wetland 5 is a large open waterbody located north of Wetland 4 separated from the Groton Reservoir by a sand and gravel embankment. Banks to this resource are generally steep with forested edges surrounding a majority of the resource. Edges of the flooded extents are colonized by buttonbush 'rafts' with areas of emergent and submergent vegetation similar to other inundated wetlands identified on the Site. Evidence of vernal pool breeding activity was observed within Wetland 5. Dominant vegetation includes red maple, buttonbush, highbush blueberry, and other aquatic emergent vegetation.

Vernal Pools

Vernal pool surveys were conducted on May 5th and June 10th by APT in cooperation with Davison Environmental, LLC. The vernal pool survey utilized visual surveys, wading/dip-netting and audial surveys to identify vernal pool dependent wildlife.

Calhoun and Klemens (2002) provides the following operational definition of vernal pools:

Vernal pools are seasonal bodies of water that attain maximum depths in the spring or fall, and lack permanent surface water connections with other wetlands or water bodies. Pools fill with snowmelt or runoff in the spring, although some may be fed primarily by groundwater sources. The duration of surface flooding, known as hydroperiod, caries depending upon the pool and the year; vernal pool hydroperiods range along a continuum from less than 30 days to more than one year. Pools are generally small in size (<2 acres), with the extent of vegetation varying widely. They lack established fish populations, usually as a result of periodic drying, and support communities dominated by animals adapted to living in temporary, fishless pools. In the region, they provide essential breeding habitat for one or more wildlife species including Ambystomid salamanders (Ambystoma spp., called "mole salamanders" because they live in burrows), wood frogs (Rana sylvatica), and fairy shrimp (Eubranchipus spp.).

Vernal pool physical characteristics can vary widely while still providing habitat for indicator species. "Classic" vernal pools are natural depressions in a wooded upland with no hydrologic connection to other wetland systems. Often, vernal pools are depressions or impoundments within larger wetland systems. These vernal pool habitats are commonly referred to as "cryptic" vernal pools.

Several species of amphibians depend on vernal pools for reproduction and development. These species are referred to as indicator vernal pool species, and their presence in a wetland during the breeding season helps to identify that area as a vernal pool.

The Site contains no classic vernal pools or seasonally flooded wooded swamps which most often provide cryptic vernal pool habitat. The Site contains two lakes and three permanently flooded ponds, all of which have a scrub-shrub or emergent wetland component. No vernal pool habitat is present within the two lakes (Wetlands 1 and 2). All three permanent ponds (i.e., Wetlands 3, 4 and 5) were surveyed for vernal pool activity. Two vernal pool indicator species, the wood frog (*Rana sylvatica*) and the spotted salamander (*Ambystoma maculatum*),

were observed within these wetlands. Spotted salamander were observed breeding in all three wetlands, while wood frog were observed breeding in Wetland 5. Due to the fact that Wetlands 3 and 4 are relatively large and deeply ponded, it is possible that wood frog were present in these wetlands (or could breed in the future) and were overlooked during dip-netting and visual surveys.

While vernal pool indicator species were observed within all three wetlands, Wetland 3 was identified as the most significant resource for spotted salamander. This is due to the fact that this pool had the highest observed number of spotted salamander egg masses (45 in total) and generally possesses the physical characteristics more typical of productive vernal pool habitat (when compared to Wetlands 4 and 5) including smaller size, more shallow water depths, a largely forested perimeter and a lack of fish or red-spotted newt. See Table 1.

Table 1: Egg mass and larval survey results for vernal pool indicator species

Wetland	Vernal Pool Indicator Species (egg masses numbers or larvae)
1 & 2	None observed
3	Spotted salamander (45 masses)
4	Spotted salamander (4 masses)
5	Spotted salamander (12 masses), wood frog (larvae)
**Due to the large size of these wetlands coupled with fact that we were unable to wade across them due to deep water and thick muck, total egg mass counts were not possible*	

Overall the abundance of vernal pool species was relatively low due to the fact that no classic vernal pools or typical cryptic vernal pools are present, the Site has limited forest cover, and the wetlands present contain a number of species that predate vernal pool indicator species larvae and egg masses including red-spotted newt, painted turtles, green frog, bullfrog and fish.

Due to the proximity of the proposed activity to Groton Reservoir and Smith Lake, we also conducted visual, wading and dip-netting surveys of the lake margins for other amphibians as well as reptiles, fish and birds (birds are discussed in the following sections) in order to better understand the overall species diversity present on the Site. All reptile and amphibian species collectively observed are listed in Table 2.

Table 2: Amphibians and reptiles observed during field surveys

Common Name	Scientific Name	Status
Amphibians		
Spotted salamander	*Ambystoma maculatum*	IM
Spring peeper	*Pseudacris crucifer*	
Green frog	*Rana clamitans*	
Bullfrog	*Lithobates catesbeiana*	
Wood frog	*Rana sylvatica*	IM
Red-spotted newt	*Notophthalmus viridescens*	
Grey treefrog	*Hyla versicolor*	IM
Reptiles		
Musk Turtle	*Sternotherus odoratus*	
Painted Turtle	*Chrysemys picta*	
Northern water snake	*Nerodia sipedon*	
Snapping turtle	*Chelydra serpentina*	
Status IS – vernal pool indicator species; FS – vernal pool facultative species Wildlife Action Plan Conservation Status (CS): VI – very important; MI – most important; IM – important		

Groton Reservoir and Smith Lake were found to support a number of wetland-dependent species common in permanently ponded aquatic habitats including northern water snake, bullfrog, green frog, snapping turtle, red-spotted newt and painted turtle. Fish species were readily observed and included smallmouth and largemouth bass, bluegill and minnows.

Musk turtle (a.k.a. stinkpot), historically known to occur within Groton Reservoir based on surveys conducted by Klemens (1993), was re-confirmed at the Site, with an individual found basking in the dense shrubby eastern margins of the lake on June 10th (see Appendix A, photo 10). While not a rare species in the State, the musk turtle is considered to be of conservation interest based on its limited bio-geographical distribution in Connecticut.

Vegetation and Wildlife

The Project Area is located primarily within a maintained electrical utility corridor, and therefore vegetative communities and habitats on the Site are fairly homogenous. These vegetative communities can be separated into five (5) distinct types with transitional ecotones separating the areas, as depicted on Figure 3, *Habitat Cover Map*.

C:\GIS\Projects\Brightfields Development LLC\Groton\mxd\Figure 3 Habitat Cover Map.mxd

Legend

- Site Boundary
- Project Area (+/-13.48 acres)
- Approximate Assessor Parcel Boundary (CTDEEP)
- Existing Gravel Access Drive
- Existing Fence Line

Habitat Cover Type
(totals noted are within project area)

- Developed
- Open Water
- Water/Scrub-Shrub
- Grassland/Open Field (+/-10.28 acres)
- Forested (+/-3.20 acres)

- Start/End Wetland Flag
- Wetland Boundary
- 25' Wetland Buffer
- Limit of 500-Year Flood Zone
- Wetland Area
- Vernal Pool
- 100' Vernal Pool Envelope

Figure 3
Habitat Cover Map

Proposed Solar Facility
1240 Poquonnock Road
Groton, Connecticut

Map Notes:
Base Map Source: 2012 Aerial Photograph (CTECO)
Map Scale: 1 inch = 325 feet
Map Date: October 2015

325 162.5 0 325 Feet

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These vegetative communities and the wildlife likely to utilize them are described below.

Forest: This habitat type comprises relatively small isolated patches in the northwest, east, and southeast portions of the Site. Forested areas to the northwest are dominated by red maple and white pine and are isolated to a peninsula that juts into the Groton Reservoir. This forested area is relatively even aged with a dense understory of highbush blueberry and is characterized by dense stocking and a closed canopy. Forested areas to the southeast are comprised of historically planted plantations dominated by European larch (*Larix decidua*) and white pine. This forested area is characterized by dense stocking and closed canopy typical of unmanaged plantations and a sparse understory. The duff layer in this southern plantation is minimal (<1") with little to no downed coarse woody debris. Forested areas to the east are composed of red pine on a narrow strip that borders Smith Lake. This forested area is generally dominated by stunted red pins, red maple, and white pine with large canopy gaps typical of nutrient deficient, free draining soils. The understory is dominated by a mix of green briar and high bush blueberry.

Since these small edge forest blocks have been fragmented (entirely consisting of 'edge' forest with no 'core' forest habitat present), larger species wildlife habitat is not ideal. Generalist wildlife species that are tolerant of human disturbance would be expected such as raccoon (*Procyon lotor*), striped skunk (*Mephitis mephitis*), grey squirrel (*Sciurus carolinensis*), Virginia opossum (*Didelphus virginiana*), and eastern chipmunk (*Tamias striatus*). Larger species such as coyote (*Canis latrans*), grey fox (*Urocyon cinereoargunteus*), white tailed deer (*Odocoileus virginianus*) and fisher (*Martes pennant*) also potentially take advantage of open field to forested habitat at the Site. It should be noted that the chain link fence that encompasses the Site likely restricts access for many of these larger types of mammalian species.

Open Field/Grassland: This habitat type comprises the largest area on the Site, located in its central portion and extending north off-site. This habitat type can be characterized by a mosaic patchwork of exposed sandy soils, warm season grasses, and forbs and wildflowers typical of open fields and meadows. The open field/grassland habitat type is located within an electrical utility transmission corridor which is maintained through routine mowing activities. Several individual and small patches of immature sapling and small tree eastern white pines are located throughout the habitat type.

Due to the size and composition of this Open Field/Grassland habitat, its connectivity to other similar habitats to the north and south, and the proximity of matrix habitats such as early edge forested habitats to the northwest and southeast, it possibly supports species such as small mammals and songbirds that would be typical of habitat blocks of this type. Species with small home ranges including various butterflies, dragonflies, small mammals, and some songbirds that are tolerant of variable habitat conditions may utilize this habitat patch for foraging and cover as they move to other suitable habitat. However, the lack of dense vegetate scrub/shrub or forested habitat in this cover type provides little protection to wildlife from predation.

Open Water: This habitat type comprises a large amount of the Site and is associated with the Groton Reservoir system. The Groton Reservoir's water levels are controlled by a concrete weir structure to the south. Edges of this open waterbody are mostly maintained as open field or exposed sand/gravel shorelines. Emergent banks are present for stretches of the resource, with minimal bordering forested areas. Dominant vegetation is consistent with the information provided in the Wetland 1 and Wetland 2 discussions.

Open Water/Scrub-Shrub: This habitat type is isolated to northern edges of Wetland 1 and Wetland 5. This habitat type consists of areas of scrub/shrub habitat within ponded water. Dominant vegetation consists of buttonbush in dense clusters. Ponded water typically ranges from six (6) inches to two (2) feet. Due to the connectivity and size of this habitat type in complex with the Open Water habitat type, numerous fish, avian, and reptile species including painted turtle, common musk turtle, bass species, bull frog, green frog, etc. are likely to utilize these areas.

Developed: This habitat type comprises a small area, located in the southcentral portion of the Site. The developed habitat type consists of gravel surfaces enclosed within a chain link fence associated with an electrical substation and access roads for the electrical utility corridors. Due to the land development associated with the electrical substation, it is unlikely to support most wildlife species, with some opportunities for supporting disturbance-tolerant urban-suburban species such as the house finch, house sparrow and eastern phoebe.

Rare Species

CTDEEP's Natural Diversity Data Base ("NDDB") program performs hundreds of environmental reviews each year to determine the impact of proposed development projects on state listed species and to help landowners conserve the state's biodiversity. State agencies are required to ensure that any activity authorized, funded or performed by a state agency does not threaten the continued existence of endangered or threatened species. Maps have been developed to serve as a pre-screening tool to help applicants determine if there is a potential impact to state listed species.

The NDDB maps represent approximate locations of endangered, threatened and special concern species and significant natural communities in Connecticut. The locations of species and natural communities depicted on the maps are based on data collected over the years by CTDEEP staff, scientists, conservation groups, and landowners. In some cases an occurrence represents a location derived from literature, museum records and/or specimens. These data are compiled and maintained in the NDDB. The general locations of species and communities are symbolized as shaded (or cross-hatched) areas on the maps. Exact locations have been masked to protect sensitive species from collection and disturbance and to protect landowner's rights whenever species occur on private property.

APT reviewed the most recent CTDEEP NDDB mapping (December 2014) to determine if any such species or habitats occur within the vicinity of the Site. Based on the NDDB mapping, the Site is located within several overlapping shaded areas that encompass the Groton Reservoir, Smith Lake and the Poquonnock River. See Appendix C, *CTDEEP NDDB Mapping.* On July 16, 2015, APT submitted a review request to the CTDEEP NDDB with respect to this Project to determine what, if any, Threatened, Endangered, or Special Concern species or critical habitats exist at the Site. The CTDEEP has not responded to date.

Breeding Bird Inventory

Davison Environmental, LLC conducted a breeding bird assessment of the Site, including visual surveys on June 10 and July 31, 2015. The assessment was focused on species considered to be of high conservation priority in Connecticut as designated in the 2015 Connecticut Wildlife

Action Plan[3] ("WAP"). The WAP was created to establish a framework for proactively conserving Connecticut's fish and wildlife, including their habitats. The WAP identifies Species of *Greatest Conservation Need* ("GCN species") that fall into three categories in descending order of significance from "most important" to "very important" and finally "important".

This assessment included two habitat types proximal to the proposed Site activities, the open meadow and immediately adjacent wetlands and waterbodies. The forest area in the southeast portion of the Site proposed for Project development (approximately 3.2 acres) is considered to possess a very low habitat value for GCN species due to its small size, its fragmented nature and adjacency to residential and commercial development. Although this area may be suitable for disturbance-tolerant bird species, it is unlikely to support GCN species, and therefore, we did not include it in the breeding bird inventory.

GCN species are considered of high conservation priority based on the consideration of such factors as: population trends and overall abundance; conservation threats associated with the species or its habitat; negative trends associated with the species' primary habitat; and the State's responsibility in the species overall conservation (i.e., the relative importance of Connecticut to the conservation of the species compared to other states in the species' range).

A total of 335 birds are found in Connecticut, over 170 of which nest in the State. There are a total of 95 GCN bird species in Connecticut, with 22 listed in the "most important" category, 38 are "very important" and 35 are "important".

The inventory is a list of birds that potentially breed on the site based on the presence of suitable habitat. This list was generated from a database that was developed by reviewing information on the habitat utilization of Connecticut's breeding birds. The primarily resource for habitat utilization data was Bevier (Ed., 1994), with A. Poole (1995) and DeGraaf and Yamasaki (2001) utilized as secondary resources. The initial inventory, generated solely based the presence of suitable habitat, was refined by considering such factors as bio-geographical distribution, the presence or absence of critical habitat features and minimum patch size requirements. The inventory is subdivided by habitat type. A species is listed under the

[3] The WAP, formerly CT's Comprehensive Wildlife Conservation Strategy (2005) is currently in draft form on the CTDEEP website at: http://www.ct.gov/deep/cwp/view.asp?a=2723&q=329520&deepNav_GID=1719#Review

habitat(s) which occupy the species typical home range. However, given that habitats are generally connected by transitional ecotones, a species should be considered to be potentially present within the ecotones associated with their primary habitat(s).

All birds seen or heard were noted as *observed* in the inventory table. While these bird observations do not constitute a detailed breeding bird survey, these species were observed within the typical breeding season for the majority of Connecticut's birds (i.e., April through August) and are therefore considered *possible* site breeders as defined by Bevier (1994) [4].

A total of 31 birds are identified in the inventory associated with Groton Reservoir and the open meadow habitat (see Appendix B). The inventory includes 21 confirmed species with another 10 listed as potential breeders based on the presence of suitable habitat.

The birds observed or potentially present on the Site represent species that utilize small meadows (e.g., tree swallow, yellow warbler), open water (e.g. ducks and wading birds) as well as several coastal species (e.g. great egret, gulls) present due to the presence of a large body of water proximate to Long Island Sound.

The inventory includes two state-listed (threatened) species observed or potentially present at the Site: the American kestrel (potential) and great egret (observed). Their observed/potential Site use and habitat requirements are noted in the following sections:

American kestrel (Falco sparverius): While no kestrel were observed on the Site, the contiguous open meadow east of the reservoir represents suitable nesting habitat for the species. A wide variety of open to semi-open habitats including meadows, grasslands, deserts, early old field successional communities, open parkland, agricultural fields, and both urban and suburban areas; regardless of dominant vegetation form present. The breeding territories are characterized by either large or small patches covered by short ground vegetation, with taller woody vegetation either sparsely distributed or lacking altogether. Suitable nest trees and perches required. Typical breeding habitat in the northeast or midwest is large (>25 ha) pasture or recently fallowed field, with one (1) or few isolated large dead trees for nesting and several potential perches. The majority of the Project will be located within open field areas

[4] A "possible" breeder as defined by Bevier (1994) includes observation of bird (male, female or singing male) within suitable habitat during the breeding season. The majority of observed birds were singing males.

potentially used by American kestrel for foraging (note that no kestrels were observed on the Site during the June and July Site surveys. While the complexes of open field and edge forest do represent prime foraging habitat for this species, similar adjacent habitat does occur outside the Project limits. More importantly, no prime nesting habitat will be impacted by the Project. The forested areas that would be impacted by the Project consist of softwood species unsuitable for cavity nesters such as the American kestrel.

Great Egret (Casmerodius albus): The great egret is a coastal species, breeding on offshore islands in Long Island Sound. This species forages within shallow open water both in tidal waters as well as inland waters near the coast, often a significant distance from their breeding grounds. At this Site, the shallow waters of Groton Reservoir are utilized as a feeding area where the birds feed on amphibians and small fish. This Site does not represent breeding habitat. The proposed activity will not directly affect feeding habitat for this species.

Water Supply Areas

The Groton Reservoir System is a source of public drinking water that is maintained and operated by the Groton Utilities. The reservoir system's watershed encompasses approximately 10,574 acres of land in Groton and Ledyard. Approximately 24.4% of this watershed is owned by Groton Utilities. Public drinking water sources in this system include Poquonnock and Smith Lake reservoirs, among others. State-wide satellite imagery developed by the University of Connecticut indicates that undeveloped land and residential properties presently account for approximately 83% percent of the land cover in the Groton Reservoir System. Commercial development (at 9.5%) and agricultural land uses (7.5%) account for the remainder of the land coverage in the source water area. Approximately 31.3% of the land in the watershed area is preserved including all watershed land owned by Groton Utilities, state forest and parklands, and municipally or privately held land designated as open space.

Portions of the Project Area lie within Class I/II Watershed land. As such, Groton Utilities will be submitting an application to the CT Department of Public Health for those activities.

Water Quality

Groundwater underlying the Site is classified by the CTDEEP as "GAA". The GAA classification indicates groundwater within the area is presumed to be suitable for human consumption

without prior treatment. Designated uses in GAA-classified areas include existing or potential public supply of water suitable for drinking without treatment and base flow for hydraulically-connected surface water bodies.

Based upon CTDEEP mapping, the Subject Property is located in Major Drainage Basin 2 (Southeast Coastal Basin), Regional Drainage Basin 21 (Southeast Eastern Complex), Subregional Drainage Basin 2107 (Great Brook [Poquonock River]), and Local Drainage Basin 2107-00.

The Groton Reservoir is classified by the CTDEEP as Class AA surface water body. Designated uses for Class AA surface water bodies include existing or proposed drinking water supplies; habitat for fish and other aquatic life and wildlife; recreation; and water supply for industry and agriculture.

Scenic Areas

No State or locally-designated scenic roads or other scenic areas are located proximate to the Site.

Historic and Archaeological Resources

APT reviewed relevant historic and archaeological information to determine whether the Site holds potential cultural resource significance. No reported historical resources sites exist at or in close proximity to the Site. There are numerous reported archaeological sites on the Site. APT submitted Project information to the State Historic Preservation Office ("SHPO") for agency review and comment. The SHPO responded in writing on August 19, 2015, requesting a professional cultural resource assessment and reconnaissance survey be completed prior to construction. SolarCity intends to complete this assessment as requested prior to the start of construction.

A copy of the *SHPO Letter* is included in Appendix D.

Geology and Soils

Soils encompassing the Site and surrounding area were field classified predominantly as upland soil units consisting of the following: Udorthents-Urban Land complex, Ninigret and Tisbury

soils, and Haven and Enfield soils and are generally consistent with digitally available soil survey information obtained from the Natural Resources Conservation Service ("NRCS")[5].

Bedrock geology beneath the northern portion of the Site an area identified as the Plainfield Formation of the Proterozoic Z. The Plainfield Formation is described as an interlayered light gray, thin-bedded quartzite, in places with feldspar, mica, graphite, or pyrite, light to medium gray gneiss composed of quartz, oligoclase, and biotite (rarely microcline), medium- to dark-gray schist composed of quartz, oligoclase, biotite, sillimanite, and garnet, dark-gray or green gneiss composed of plagioclase, quartz, biotite, and hornblende (commonly with diopside), amphibolite, diopsite-bearing quartzite, and calc-silicate rock. Bedrock geology beneath the central portion of the Site is identified as Hope Valley Alaskite Gneiss of the Proterozoic Z. Hope Valley Alaskite Gneiss is described as a light pink to gray, medium to coarse-grained, locally porphyritic, variably lineated and foliated alaskitic gneiss, composed of microcline, quartz, albite or oligoclase, and minor magnetite, and locally biotite and muscovite. Lineation formed by rods of quartz. Locally contains quartz-sillimanite nodules. Bedrock geology beneath the southern portion of the Site is identified as the Mamacoke Formation of the Proterozoic Z. The Mamacoke Formation is described as an interlayered (but layers locally indistinct) light to dark gray, medium grained gneiss, composed of plagioclase, quartz, and biotite; sillimanite, garnet, hornblende, or microcline in certain layers; in upper part locally contains quartz-sillimanite nodules or thin layers of quartzite, amphibolite, or calc-silicate rock.

Floodplain Areas

APT reviewed the United States Federal Emergency Management Agency ("FEMA") Flood Insurance Rate Map ("FIRM") for the Site. A FIRM is the official map of a community on which FEMA has delineated both the special hazard areas and risk premium zones applicable to the community. The area of the Site is mapped on FIRM PANEL #09011 C0506 J, dated August 5, 2013. Based upon the reviewed FIRM Map, the Site is designated as Zone X, which is defined as an area of minimal flooding.

[5] NRCS Web Soil Survey, http://websoilsurvey.nrcs.usda.gov/app/, accessed on September 9, 2013.

Recreational Areas

The nearest recreational areas to the Site are athletic fields associated with Grasso Gardens and Kiely Park, located approximately 0.17 and 0.09 mile to the east and southeast, respectively.

Noise

A Noise Evaluation Study was prepared for the Project by HMB Acoustics LLC of Avon, Connecticut[6]. Based on sound measurements obtained at the Site and adjacent locations, the average levels range from 50 to 55 dBA[7].

Lighting

Lighting exists at the water treatment plant today.

Coastal Zone Management Areas

The municipality of Groton is located within the Coastal Zone Management Area. Based on our review of available mapping, the southernmost portion of the Site is located within the Coastal Boundary, as defined by the Coastal Management Act, CGS § 22a-94(a). However, the Project Area itself is located outside of the Coastal Boundary. The Coastal Boundary map is provided in Appendix E.

Other Surrounding Features

The locations of non-residential development and other resources within two miles of the Site are listed in Table 3. Figure 4, *Surrounding Features Map*, depicts these locations relative to the Site.

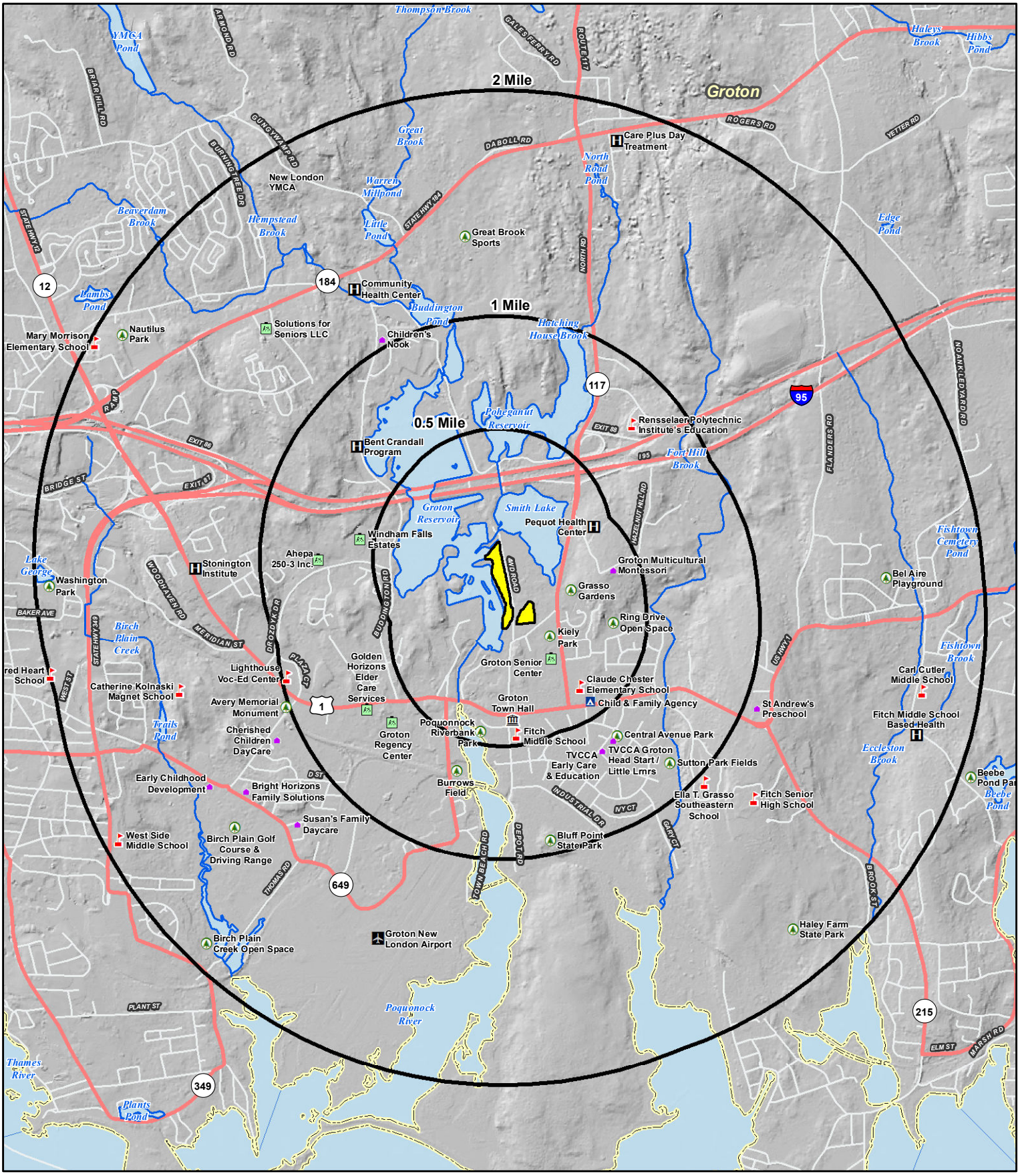
[6] The HMB report is provided in Appendix I. See also the Noise discussion in Effects on Environment section of this document.

[7] Sound measurements obtained on July 10, 2015 by HMB Acoustics LLC, of Avon, Connecticut.

Table 3: Non-Residential Features within Two Miles of the Site

Type	Name	Address	Town	Distance to Site
Recreational/Parks	Avery Memorial Monument	880 Poquonnock Rd	Groton	1.0 mile SW
	Beebe Pond Park	755 Noank Rd	Mystic	2 miles SE
	Bel Aire Playground		Groton	1.57 miles E
	Birch Plain Creek Open Space	High Rock Road	Groton	1.9 miles SW
	Birch Plain Golf Course & Driving Range	119 High Rock Rd	Groton	1.5 miles SW
	Bluff Point State Park	Depot Road	Groton	0.95 mile S
	Burrows Field	South Road	Groton	0.66 mile S
	Central Avenue Park	821 Gold Star Hwy	Groton	0.62 mile SE
	Great Brooks Sport Center	850 Gold Star Hwy	Groton	1.36 miles N
	Haley Farm State Park	Haley Farm Lane	Groton	1.77 miles SE
	Kiely Park		Groton	0.09 mile SE
	Nautilus Park		Groton	1.88 miles NW
	Poquonnock Riverbank Park	Entrance off of Poquonnock Rd	Groton	0.47 mile S
	Ring Drive Open Space		Groton	0.35 mile E
	Sutton Park	185 Fort Hill Rd	Groton	0.85 mile SE
	Washington Park	Meridian St	Groton	1.9 miles W
Youth Centers	Child & Family Agency	1 Harry Day Dr	Groton	0.42 mile SE
Hospitals	Bent Crandall Program	649 Buddington Rd	Groton	0.74 mile NW
	Care Plus Day Treatment	1353 Gold Star Hwy	Groton	1.84 miles NE
	Community Health Center	481 Gold Star Hwy, #101	Groton	1.28 miles NW
	Fitch Middle School Based Health	160 Fishtown Rd	Groton	1.75 miles SE
	Pequot Health Center	52 Hazelnut Hill Rd	Groton	0.41 mile NE
	Stonington Institute	428 Long Hill Rd	Groton	1.27 miles W
Child Day Cares	Bright Horizons Family Solutions	40 High Rock Rd	Groton	1.33 miles SW
	Cherished Children	801 Poquonnock Rd	Groton	1.10 miles SW
	Children's Nook	925 Old Buddington Rd	Groton	1.02 miles NW
	Early Childhood Development	591 Poquonnock Rd	Groton	1.46 miles SW
	Groton Multicultural Montessori	200 Hazelnut Hill Rd	Groton	0.37 mile E
	St Andrew's PreSchool	310 Fort Hill Rd	Groton	1.05 miles SE
	Susan's Family Daycare	20 Hyrock Terrace	Groton	1.25 miles SW
	TVCCA Early Care and Education	40 Central Ave	Groton	0.64 mile SE
	TVCCA Groton Head Start / Little Learners	36-38 Central Ave	Groton	0.63 mile SE
Community Centers	Groton Town Hall	45 Fort Hill Rd	Groton	0.40 mile S
Senior Facilities	Ahepa 250-3 Inc.	251 Drozdyk Dr	New London	0.73 mile W
	Golden Horizons Elder Care Services	1057 Poquonnock Rd	Groton	0.68 mile SW

Type	Name	Address	Town	Distance to Site
Senior Facilities Continued	Grasso Gardens	770 Poquonnock Rd	Groton	0.17 mile E
	Groton Regency Center	1145 Poquonnock Rd	Groton	0.62 mile SW
	Groton Senior Center	102 Newtown Rd	Groton	0.17 mile SE
	Solutions for Seniors LLC	495 Gold Star Hwy	Groton	1.37 miles NW
	Windham Falls Estates	425 Drozdyk Dr	Groton	0.55 mile NW
Schools	Carl C. Cutler Middle School	160 Fishtown Rd	Mystic	1.73 miles SE
	Catherine Kolnaski Magnet School	500 Poquonnock Rd	Groton	1.46 miles SW
	Claude Chester School	1 Harry Day Dr	Groton	0.34 mile SE
	Ella T Grasso Southeastern School	189 Fort Hill Rd	Groton	1 mile SE
	Fitch Middle School	61 Fort Hill Rd	Groton	0.47 mile S
	Fitch Senior High School	101 Groton Long Point Rd	Groton	1.25 miles SE
	Lighthouse Voc-Ed Center	46 Plaza Court	Groton	1 mile SW
	Mary Morrison Elementary School	154 Toll Gate Rd	Groton	2 miles NW
	Rensselaer Polytechnic Institute's Education	Mystic Executive Park, 115 Poheganut Dr	Mystic	0.78 mile NE
	Sacred Heart School	56 Sacred Heart Dr	Groton	2 miles W
	West Side Middle School	250 Brandegee Ave	Groton	1.92 miles SW
Airports	Groton New London Airport	155 Tower Ave	Groton	1.4 miles S



Legend

- Project Area
- 0.5-2-Mile Radii
- Open Water

Surrounding Features

- Airport
- Daycare
- School
- Hospital / Medical Care
- Recreation / Park
- Senior Center / Retirement Home
- Town Hall
- Youth Center

Figure 4
Surrounding Features Map

Proposed Solar Facility
1240 Poquonnock Road
Groton, Connecticut

BRIGHTFIELDS DEVELOPMENT LLC

Base Map Source: ESRI & CTECO Shaded Relief
Map Date: August 2015

3,000 1,500 0 3,000 Feet

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Effects on the Environment

The purpose of this section is to analyze and discuss the Project's potential effects on the environment and demonstrate that the proposed development will have no significant adverse effect on the surrounding environment.

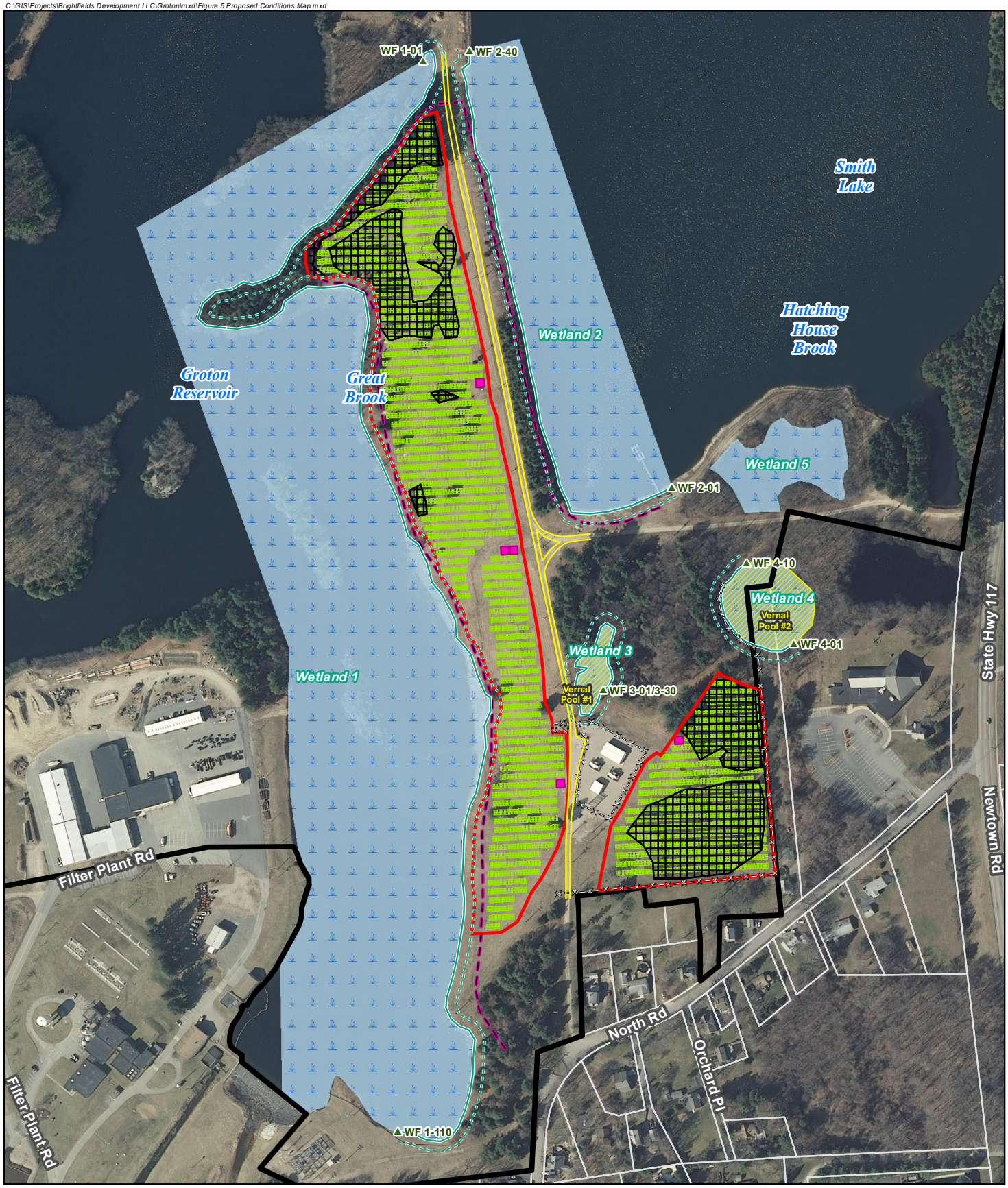
Proposed Project Development

The Project will include two (2) separate solar fields on the Site. The larger array will be developed on the peninsula between Groton Reservoir and Smith Lake, while a smaller component will occupy the southeast corner of the Site. The Project Area in totality includes approximately 13.5 acres of the 290.5-acre Site. New soil disturbances will be minimized to facilitate the installation of the solar arrays and associated equipment. The Project Area includes relatively moderate slopes and areas where regrading can be generally accomplished without significant cuts and/or fills.

The Project Area in totality includes approximately 13.5 acres of the Site, approximately 75% of which is comprised of previously disturbed land. A total of four (4)± acres of woodlands will be removed to accommodate the Project. The facility would be comprised of approximately 13,072 Canadian Solar 310 watt modules, five (5) Solectria inverters, and four (4) Cooper transformers. The facility would use a post-driven mounting system. Individual panels would be placed at a 20° tilt to the south.

Figure 5, *Proposed Conditions Map*, depicts the proposed Project layout.

C:\GIS\Projects\Brightfields Development LLC\Groton\mxd\Figure 5 Proposed Conditions Map.mxd



Legend

- Site Boundary
- Project Area (+/-13.48 acres)
- Proposed Equipment
- Proposed Solar Modules
- Proposed Clearing and Grubbing Area
- Proposed Site Improvement Area
- Approximate Assessor Parcel Boundary (CTDEEP)
- Existing Gravel Access Drive
- Existing Fence Line
- Start/End Wetland Flag
- Wetland Boundary
- 25' Wetland Buffer
- Limit of 500-Year Flood Zone
- Wetland Area
- Vernal Pool

Figure 5
Proposed Conditions Map

Proposed Solar Facility
1240 Poquonnock Road
Groton, Connecticut

Map Notes:
Base Map Source: 2012 Aerial Photograph (CTECO)
Map Scale: 1 inch = 325 feet
Map Date: October 2015

325 162.5 0 325 Feet

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Public Health and Safety

The Project would be designed to applicable industry, State, and local codes and standards and would not pose a safety concern or create undue hazard to the general public. The facility would not consume any raw materials, would not produce any by-products and would be unstaffed during normal operating conditions. The individual modules of the facility will be secured behind the existing fence enclosures that surround the Site.

Overall, the Project will meet or exceed all health and safety requirements applicable to electric power generation. Each employee working on Site will:

- Receive required general and Site specific health and safety training;
- Comply with all health and safety controls as directed by local and state requirements;
- Understand and employ the Site health and safety plan while on the Site;
- Know the location of local emergency care facilities, travel times, ingress and egress routes; and
- Report all unsafe conditions to the construction manager.

Construction equipment will be required to access the Site during normal working hours. Please refer to the *Construction Schedule* and *Construction Work Hours/Days Letter* provided in Appendix F and Appendix G, respectively. After construction is complete and the facility (unstaffed) is operable, traffic at the Site will be minimal. Four times per year the site will be mowed. Maintenance of the electrical equipment will occur once per year. Any equipment that breaks down will be repaired on an as needed basis. Annual maintenance will typically be two technicians for a day. The solar modules are designed to absorb incoming solar radiation and minimize reflectivity, such that only a small percentage of incidental light will be reflected off the panels. This incidental light is significantly less reflective than common building materials, such as steel, or the surface of smooth water. The panels will be tilted up toward the southern sky at a fixed angle of 20 degrees, further reducing reflectivity.

Local, State and Federal Land Use Plans

The Project is consistent with local, State, and Federal land use plans, including the Southeast Connecticut Council of Government's 2007 Regional Plan of Conservation and Development, which outlines the need for utility infrastructure to support the region's development. The

Project also supports the State's energy policy by developing a renewable energy resource while not having a substantial adverse environmental effect.

Existing and Future Development

SolarCity, Groton Utilities ("GU") and Connecticut Municipal Electric Energy Cooperative ("CMEEC") have partnered together to redevelop the Site into a 4.05 MW DC Community Shared Solar facility. Once the Project is completed, solar power will be available to every GU customer without any premium charge. The Community Shared Solar Project will provide power to the estimated 80 percent of GU customers who can neither own nor lease systems because their roofs are physically unsuitable for solar or because of shading or due to the fact that they do not control them — like renters and people living in large apartment buildings. The Project will offer a way for every customer to have access to "green energy" without incurring a premium cost or having complex equipment installed on their roofs. Additionally, the Project would benefit the community by improving electrical service for existing and future municipal development through enhanced capacity.

Roads

The existing interior road systems at the Site will provide access into the solar field locations. The Project's primary access will originate off North Road.

Wetlands

No wetlands or watercourses will be directly impacted by the Project. The Project's limits of disturbance come in close proximity to wetland resources, but will not encroach within these wetlands. The closest construction activity to a wetland or watercourse resource would occur within approximately 25 feet (east) of Wetland 1. The project limits in this area consist of the erosion and sedimentation perimeter controls. All clearing and grading limits for the facility's infrastructure (solar arrays and associated equipment) would be outside this 25-foot wetland setback.

All the Project-related activities are separated from Wetland 2 by the access roads that service the utility corridor.

While a small area of development will occur within 100 feet of Wetland 3 (to the west of this resource), the Project's footprint falls entirely within areas of existing disturbance. Existing disturbed and degraded areas are present to the south and west of Wetland 3, associated with the existing electrical transmission substation and maintained access road and overhead electrical lines, respectively. All areas to the west and south of Wetland 3 are maintained clearance zones with varying degrees of routine maintenance regimes. Potential impacts to the vernal pool resource (Vernal Pool 1) associated with Wetland 3 is discussed in the Vernal Pool section.

A 100-foot setback to Wetland 4 has been established to protect species potential using the vernal pool breeding habitat associated with this resource.

No Project activities are proposed in proximity to Wetland 5.

Potential short term temporary impacts associated with the Project's construction activities will be minimized by the proposed sedimentation and erosion controls, which would be designed, installed and maintained during construction activities in accordance with the 2002 *Connecticut Guidelines for Soil Erosion and Sediment Control*. SolarCity is committed to implementing a wetland protection plan during construction to provide additional measures to avoid potential temporary wetland impacts. A proposed *Wetland Protection Plan* is included in Appendix H. Potential long term secondary impacts to wetland resources possibly associated with the operation of this facility are minimized by the fact the development will be unmanned (generating negligible traffic) and minimizes the creation of impervious surfaces by using existing gravel access drives and treating the majority of the surface around the solar installation with native grass/vegetation. Based on a review of the Project plans, engineering documents, and the Stormwater Management Report (please see Exhibit 2 of the Petition), the stormwater generated by the proposed development will be properly handled and treated in accordance with the 2004 *Connecticut Stormwater Quality Manual*. Due to implementation of these protective measures, the proposed Project development will not result in an adverse impact to wetland resources.

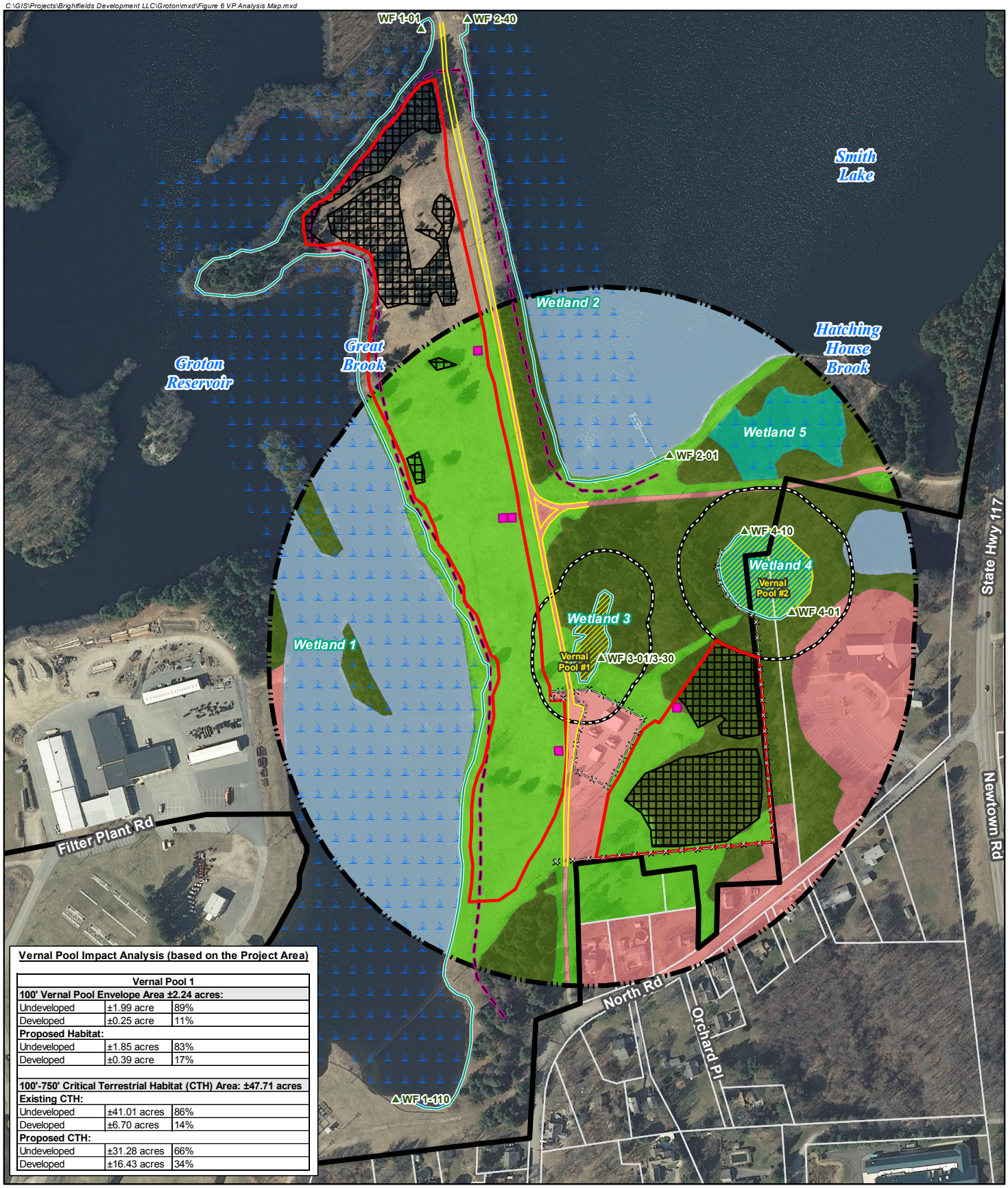
Vernal Pools

Generally speaking, the habitat quality for vernal pool species across the Site, both for breeding and terrestrial habitat, is poor. This is due generally to the lack of both terrestrial forest habitat and seasonally-flooded wetlands. While vernal pool indicator species were observed within Wetlands 3, 4, and 5, Wetland 3 (containing Vernal Pool 1) was identified as the most significant vernal pool habitat. This is due to the fact that this pool had the highest observed number of spotted salamander egg masses (45 in total). Also, Wetland 3 generally has physical characteristics more typical of vernal pool habitat when compared to the other wetlands including smaller size, more shallow water depths, a largely forested perimeter and a lack of fish. Additionally, Wetland 3 is located closest to the Project area. Therefore, the vernal pool analysis was limited to Wetland 3. While vernal pool indicator species do breed in Wetlands 4 and 5, these wetlands were not considered significant vernal pool habitats because they are open water areas with permanent year round inundation that contained fish, bullfrog, green frog and red-spotted newt, all of which predate the eggs and larvae of vernal pool species. Low densities of vernal pool indicator species were observed in these resources.

Given the moderate productivity of Vernal Pool 1 for spotted salamander, an analysis of the project impacts on vernal pool wildlife associated with this resource was conducted using the methodology described in Calhoun and Klemens (2002). This analysis is shown in Figure 6, *Vernal Pool Analysis Map*. The analysis demonstrates the existing (pre-construction) condition of 11% development within the Vernal Pool Envelope ("VPE") management zone (0 to 100 feet) and 14% development within the Critical Terrestrial Habitat ("CTH") management zone (100 to 750 feet). Based on this current landscape condition and the breeding productivity of spotted salamander in this pool, Vernal Pool 1 qualifies as a Tier 1 pool. Post-construction, the level of development within the VPE will increase from 11% to 17% and from 14% to 34% within the CTH. When comparing the Project with the BDP manual guidance, it would not be compliant due to development occurring within the VPE, as well as development in excess of 25% within the CTH.

However, the proposed Site activities are located largely within non-forested habitats which do not provide suitable terrestrial forest habitat for vernal pool amphibians. The loss of habitat within the VPE is entirely within non-forested meadow habitat that is mowed both seasonally

C:\GIS\Projects\Brightfields Development LLC\Groton\mxd\Figure 6 VP Analysis Map.mxd



Vernal Pool Impact Analysis (based on the Project Area)

Vernal Pool 1		
100' Vernal Pool Envelope Area ±2.24 acres:		
Undeveloped	±1.99 acre	89%
Developed	±0.25 acre	11%
Proposed Habitat:		
Undeveloped	±1.85 acres	83%
Developed	±0.39 acre	17%
100'-750' Critical Terrestrial Habitat (CTH) Area: ±47.71 acres		
Existing CTH:		
Undeveloped	±41.01 acres	86%
Developed	±6.70 acres	14%
Proposed CTH:		
Undeveloped	±31.28 acres	66%
Developed	±16.43 acres	34%

Legend

- Site Boundary
- Project Area (+/-13.48 acres)
- Proposed Clearing and Grubbing Area
- Proposed Site Improvement Area
- Existing Gravel Access Drive
- Existing Fence Line
- Approximate Assessor Parcel Boundary (CTDEEP)
- Start/End Wetland Flag
- Wetland Boundary
- Limit of 500-Year Flood Zone
- Wetland Area
- Vernal Pool
- 100' Vernal Pool Envelope
- 100'-750' Critical Terrestrial Habitat Area

Critical Terrestrial Habitat Type

- Developed

Undeveloped

- Open Water
- Water/Scrub-Shrub
- Grassland/Open Field
- Forested

Map Notes:
Base Map Source: 2012 Aerial Photograph (CTECO)
Map Scale: 1 inch = 325 feet
Map Date: October 2015

325 162.5 0 325 Feet

N W E S

Figure 6
Vernal Pool Analysis Map

Proposed Solar Facility
1240 Poquonnock Road
Groton, Connecticut

BRIGHTFIELDS DEVELOPMENT LLC

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and more frequently. Within the CTH, the 20% increase in development will result in only 2.13 acres of forest loss to the southeast, and is restricted to a remnant European Larch (*Larix decidua*) plantation. This larch plantation is considered to be of low value for amphibians due to limited duff, limited cover objects and a relatively open canopy (resulting in low soil moisture and dry surficial conditions; see Appendix A, photos 8 and 9). However, given the limited forest habitat presently available on the Site, additional forest removal will reduce the total available forest cover which has the potential to reduce the population of vernal pool indicator species present, despite the low value of this larch forest.

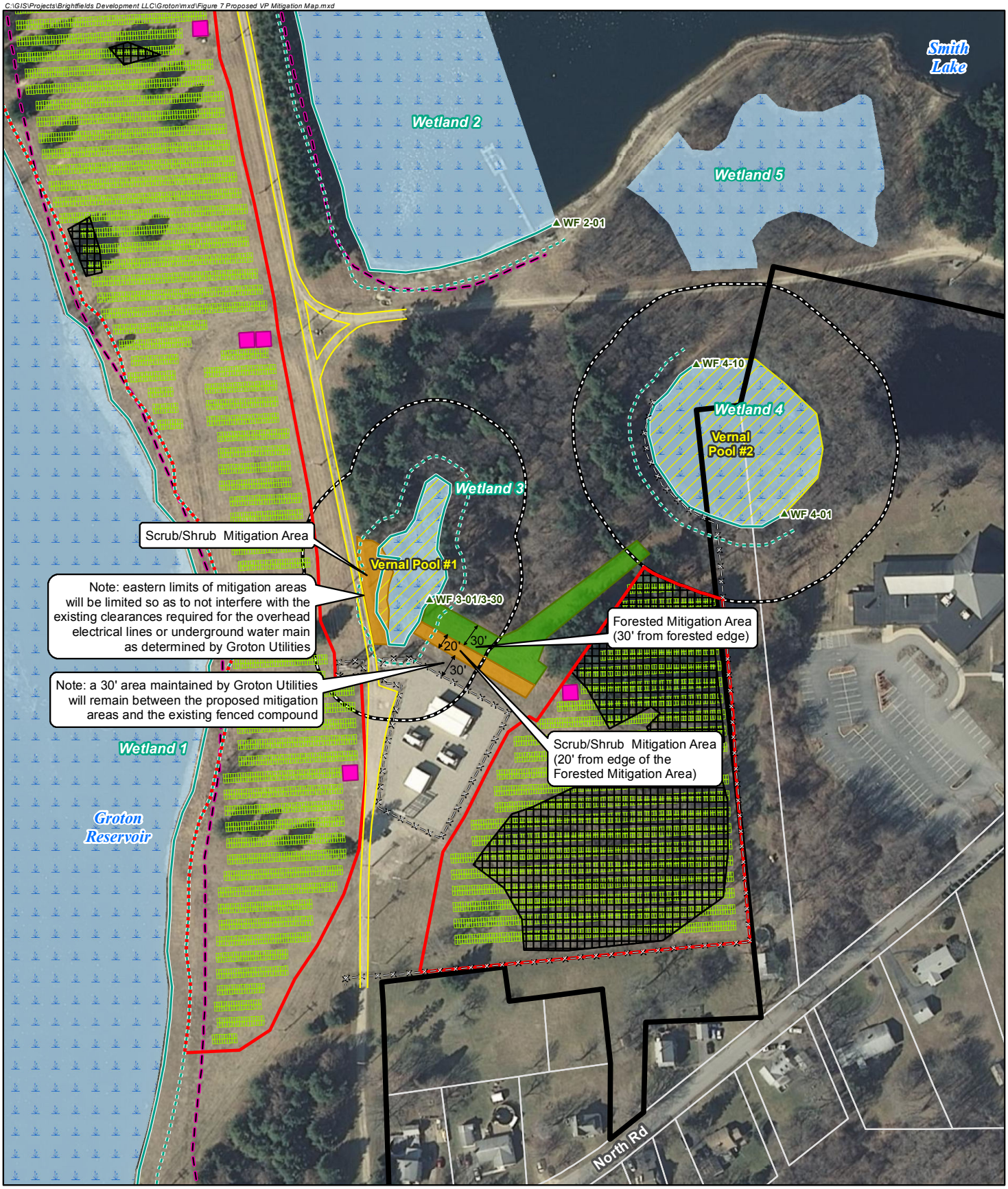
In an effort to mitigate this impact to the maximum extent practicable (based on routine Site maintenance constraints indicated by GU staff) SolarCity proposes re-foresting areas adjacent to Wetland 3 which are currently regularly-mowed meadows, as indicated on Figure 7, *Proposed Vernal Pool Mitigation Map* and described in the Wildlife Mitigation measures Section. The remainder of activity within the CTH of Vernal Pool 1 (7.3 acres) will occur entirely within the open meadow located immediately west of the existing utility corridor.

Vegetation and Wildlife

The proposed Project will consist of approximately 13.5 acres of development, the majority of which is located within an electrical transmission corridor that is maintained (through routine mowing) as open field/grassland. The only other habitat type affected by the Project will be two small areas of forested habitat located in the northern and southeast portions of the Site, totaling approximately four (4) acres. The solar arrays and gravel and grass surfaces associated with the construction of the Project will alter the habitat types present on the Site. Provided below is an analysis of impact to the Site habitats.

Open Field/Grassland Impact Analysis: Open Field/Grassland habitats exist throughout the Site associated with the electrical transmission corridor. Of this habitat type, approximately 10.28 acres will be removed as part of the proposed Project. Because this habitat type is associated with the electrical transmission corridor, similar habitat occurs to both the north and south of the Project Area. Therefore, loss of these habitat areas will not significantly affect wildlife populations utilizing the Site.

C:\GIS\Projects\Brightfields Development LLC\Groton\mxd\Figure 7 Proposed VP Mitigation Map.mxd



Legend

- Site Boundary
- Project Area (+/-13.48 acres)
- Proposed Equipment
- Proposed Solar Modules
- Proposed Clearing and Grubbing Area
- Proposed Site Improvement Area
- Approximate Assessor Parcel Boundary (CTDEEP)
- Existing Gravel Access Drive
- Existing Fence Line
- Start/End Wetland Flag
- Wetland Boundary
- 25' Wetland Buffer
- Limit of 500-Year Flood Zone
- Wetland Area
- Vernal Pool
- 100' Vernal Pool Envelope

Proposed Vernal Pool Mitigation Area

- Forested Mitigation Area (+/-0.28 acres)
- Scrub/Shrub Mitigation Area (+/-0.18 acres)

Figure 7
Proposed Vernal Pool Mitigation Map

Proposed Solar Facility
1240 Poquonnock Road
Groton, Connecticut

BRIGHTFIELDS DEVELOPMENT LLC

Map Notes:
Base Map Source: 2012 Aerial Photograph (CTECO)
Map Scale: 1 inch = 175 feet
Map Date: October 2015

175 87.5 0 175 Feet

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Forested Impact Analysis: Forested habitats impacted by the proposed Project exist in two patches located in the northern and southeast portions of the Site. Of this habitat type, approximately four (4) acres will be removed as part of the proposed Project. Because this habitat type occurs within a small block associated with 'edge' forested habitat and adjacent forested areas will remain intact, the loss of these habitat areas will not significantly affect wildlife populations utilizing the Site. Mitigation strategies are proposed that will reforest some areas in proximity to those forested areas lost.

Bird Habitat Impact Analysis

In an effort to minimize tree clearing, grading and other significant land disturbance adjacent to wetlands and waterbodies, the bulk of the Project has been sited within the existing seasonally mowed field along the eastern shore of Groton Reservoir. As a result, the open meadow habitat will effectively be eliminated. Therefore, the majority of birds included in the inventory that may be associated with this habitat will likely no longer find the Site suitable for breeding post-construction, with the exception of a few edge species; the northern oriole for example.

With respect to the two state-listed species identified, the American kestrel's foraging habitat within the Project Area will be effectively eliminated. However, as previously noted, no adequate nesting habitat exists in the forested areas on the Site. The habitat for the great egret is expected to be unaffected, as the birds are utilizing Groton Reservoir as a feeding Site, and this area will not be affected by the proposed Project.

Overall, the relatively small size of the existing meadow (ca. 10 acres) precludes the presence of rare area-sensitive early-successional bird species (e.g., grassland birds) which are the focus of significant conservation concern across the State and is more suitable for early-successional habitat generalists.

Wildlife Impact Mitigation Measures

Vernal Pool Buffer Habitat Enhancement Measures: Due to Project impacts within the 100 foot VPE of Vernal Pool 1 and impacts to the CTH buffer to Vernal Pool 1, certain vernal pool buffer habitat enhancement measures are being proposed. Being that Vernal Pool 1 is located in proximity to both an electrical substation (south) and an electrical transmission corridor, opportunities for buffer enhancement are limited while still maintaining certain

necessary maintenance regimes for these infrastructures. The following mitigation strategy is being proposed to enhance habitats buffering Vernal Pool 1.

Two distinct types of buffer enhancement are proposed consisting of a Forested Mitigation Area and a Scrub/Shrub Mitigation Area. The Forested Mitigation Area is proposed to occur east of Vernal Pool 1 bordering the existing forested sections extending east and north within areas that are currently maintained as open field. The Forested Mitigation Area will consist of a mixture of tree and shrub plantings of various species that will tolerate and thrive in the Site specific conditions. The Forested Mitigation Area will be allowed to naturally revegetate and will not be prescribed to any mowing or cutting regime in perpetuity. The intent of the Forested Mitigation Area will be to allow this area to naturally regenerate into a mature forested area.

Scrub/Shrub Mitigation Areas are proposed to occur along the western edge of Vernal Pool 1 that is currently maintained through regular mowing. Additionally, areas adjacent to and south of the Forested Mitigation Area are proposed as part of the Scrub/Shrub Mitigation Areas. The Scrub/Shrub Mitigation Areas will consist of a mixture shrub and herbaceous plantings of various species that will tolerate and thrive in the Site specific conditions. The prescribed management regime for the Scrub/Shrub Mitigation Area will include occasional mowing/cutting in order to maintain safety clearances to electrical utility infrastructure. These areas will be managed by restricting mowing on a rotation basis every four (4) to seven (7) years. This, in combination with the prescribed plantings will allow the area to revert to a scrub/shrub habitat and create a "soft" ecotone that will provide cover and habitat. Planting species and quantities will be identified in the Development and Management Plan, as determined by a qualified wetland scientist. The extents and locations of these mitigation areas are depicted on Figure 7.

Osprey Nesting Platform Relocation: Two nesting platforms are located within the Project Area consisting of wooden nesting platforms atop approximately 30-foot tall wooden poles. These two platforms are a part of a series of nesting platforms placed throughout the Groton Reservoir system. At the time of Site observations, both platforms had nests built on the platforms. During the May 5, 2015 inspection, at least one adult osprey was observed perched on each nest. However, during a follow up inspection on July 31, 2015 no ospreys were observed utilizing either nesting platform. The locations and use of these nesting platforms by osprey create potential conflicts with the ongoing maintenance of the Project once operative, including the dropping of nesting material and feces on solar arrays. In addition, routine

maintenance of the facility could also be compromised when the nests are active. As such, these two nesting platforms are proposed to be relocated to more suitable areas beyond the Project Area, while still maintaining sufficient distances to other nearby nesting platforms, as depicted on Figure 8, *Nesting Platform Relocation Map*. Removal of the existing nesting platforms will occur during the inactive nesting period between October and the end of January. Construction and placement of the new nesting platforms will occur prior to the 2016 nesting season. In addition, the construction and installation of the new nesting platforms will occur in accordance with the provisions of the Office of Long Island Sound General Permit for Osprey Platforms and Perch Poles.

General Breeding Bird Protection Measures: The proposed construction activities will result in the clearing of trees, shrubs and mature vegetation that has the potential to support breeding birds. To avoid potential disturbance during periods of high bird activity, SolarCity intends to complete vegetation clearing work prior to May 1st. If construction activities should occur during the peak nesting period of May 1st through August 15th or, if tree clearing has not been completed by May 1st, an avian survey may be conducted to determine if breeding birds would be disturbed. If the avian survey concludes that breeding birds would be disturbed, vegetation clearing activities may be restricted through the peak nesting period (or a modified time frame based on the specific findings of the survey).

Northern Long–Eared Bat: Although no hibernaculum or breeding/roosting habitat was identified at or in the vicinity of the Site, depending on the type and timing of forest management activities there is potential for mortality and temporary removal or degradation of roosting and foraging habitat. To avoid killing or injuring northern long-eared bat, the following conservation measures are to be adhered to under Interim 4(d) Rule (April 2, 2015) of the federal Endangered Species Act for this species:

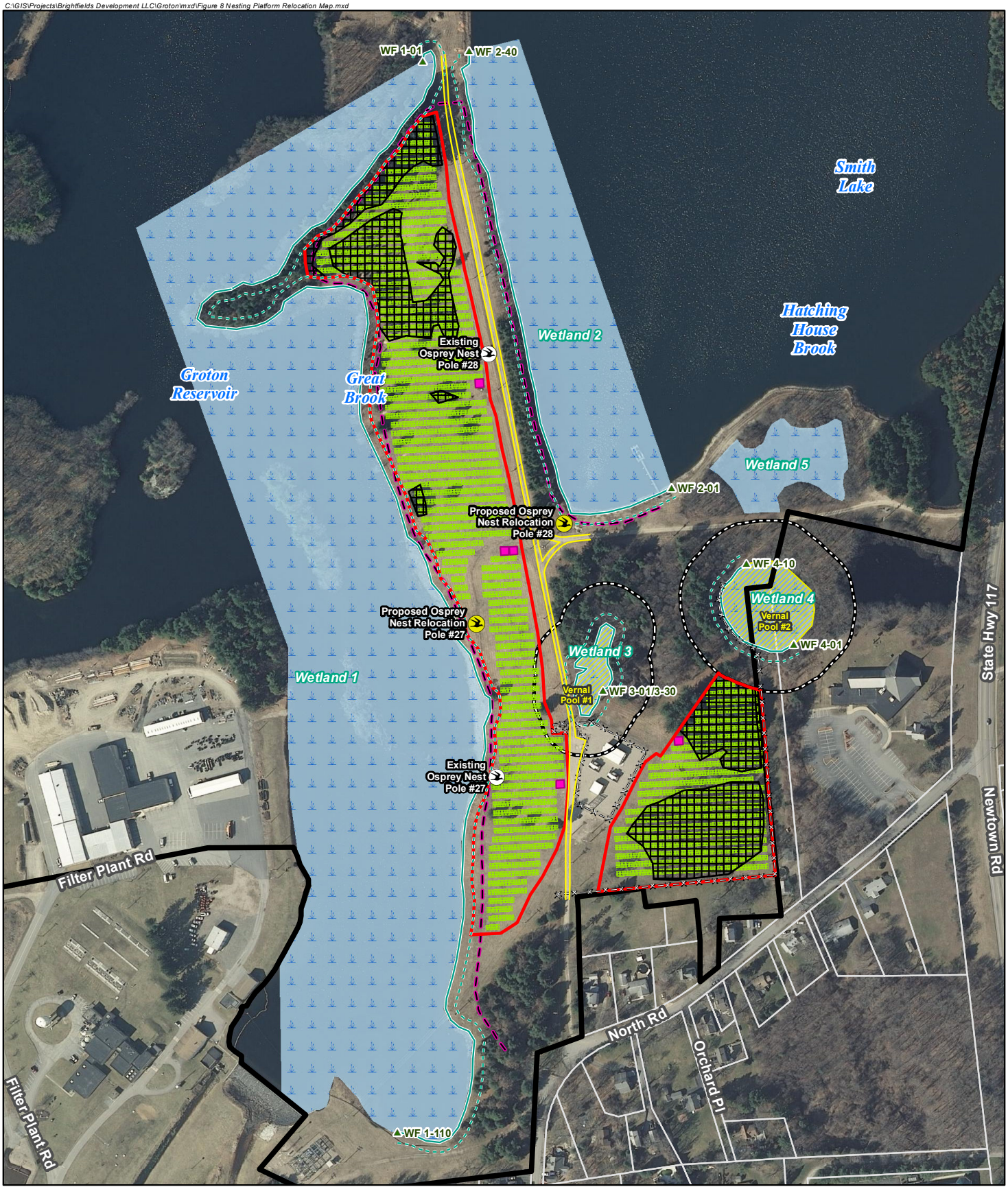
I. No activities are to occur within 0.25 mile of a known, occupied hibernacula[8]

II. Avoid cutting or destroying of known, occupied roost trees during the pup season of June 1st to July 31st

III. Avoid clear-cutting (or similar harvesting methods) within 0.25 mile of known, occupied roost trees during the pup season of June 1st to July 31st.

[8] Locations of hibernacula are identified by CTDEEP NDDB during the state rare species consultation process. No hibernacula were identified in the Site vicinity.

C:\GIS\Projects\Brightfields Development LLC\Groton\mxd\Figure 8 Nesting Platform Relocation Map.mxd



Legend

- Site Boundary
- Project Area (+/-13.48 acres)
- Proposed Equipment
- Proposed Solar Modules
- Proposed Clearing and Grubbing Area
- Proposed Site Improvement Area
- Approximate Assessor Parcel Boundary (CTDEEP)
- Existing Gravel Access Drive
- Existing Fence Line
- Start/End Wetland Flag
- Wetland Boundary
- 25' Wetland Buffer
- Limit of 500-Year Flood Zone
- Wetland Area
- Vernal Pool
- 100' Vernal Pool Envelope
- Existing Osprey Nest Pole
- Proposed Osprey Nest Relocation Pole

Figure 8
Nesting Platform Relocation Map

Proposed Solar Facility
1240 Poquonnock Road
Groton, Connecticut

Map Notes:
Base Map Source: 2012 Aerial Photograph (CTECO)
Map Scale: 1 inch = 325 feet
Map Date: October 2015

325 162.5 0 325 Feet

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Rare Species

Pending APT's review of CTDEEP's Site evaluation and potential impact on State-listed species, appropriate mitigation strategies will be put in place to prevent potential risk of harm to those populations, if necessary. A copy of the CTDEEP's response letter will be provided to the Council upon receipt.

Water Supply Areas

No liquid fuels are associated with the operations of the Project. Therefore, the Project would have no adverse environmental effect on water resources including the Groton water supply and treatment system.

Portions of the Project Area lie within Class I/II Watershed land. As such, Groton Utilities will be submitting an application to the CT Department of Public Health for those activities.

Water Quality

The facility will be unstaffed and no potable water uses or sanitary discharges are planned.

Prior to and throughout the duration of construction, sedimentation and erosion controls will be installed and maintained in accordance with the 2002 *Connecticut Guidelines for Soil Erosion and Sediment Control*. Once operative, the stormwater generated by the proposed development will be properly handled and treated in accordance with the 2004 *Connecticut Stormwater Quality Manual*. Therefore, the proposed Project development will not result in an adverse impact to wetlands or intermittent watercourse resources.

Air Quality

No emission sources are associated with the operations of the Project. Therefore, no impacts to air quality are anticipated as part of the proposed Project.

Scenic Areas

No state designated scenic areas would be physically or visually impacted by development of the solar Project.

Historic and Archaeological Resources

APT consulted with the State Historic Preservation Office (SHPO) for concurrence that no historic or archaeological resources would be affected by the Project. The SHPO responded in writing on August 19, 2015, requesting a professional cultural resource assessment and reconnaissance survey be completed prior to construction. SolarCity intends to complete this assessment as requested prior to the start of construction.

A copy of the *State Historic Preservation Office Letter* is included in Appendix D.

Geology and Soils

No adverse effects are anticipated on natural resources occurring at and/or nearby the Site. Once vegetative clearing activities are completed, minimal grading is required for construction of the Project.

Floodplain Areas

The Site is located entirely outside of the 100-year and 500-year floodplains. Therefore, no special design elements are necessary with respect to flooding concerns. In addition, no impacts to floodplains are associated with the proposed Project.

Recreational Areas

No recreational areas would be impacted by the Project.

Noise

The only equipment proposed for the Project that would generate noise consists of the fans associated with the inverters. The Noise Evaluation Study prepared by HMB Acoustics LLC of Avon, Connecticut, determined that after the Project is constructed and in service, the combined noise levels will comply with CTDEEP criteria for Commercial Emitters to both Commercial and Residential Receiver Zones.

After the Project is constructed and in service, the highest noise levels at adjacent properties are anticipated to be 40 dBA, which is well below the most conservative criteria of 45 dBA for nighttime and 55 dBA for daytime, as established by the State of Connecticut Noise Control

regulations (CGS *22a/22a-69-1 through 7*). The inverters are inactive at night. During those times the inverters are operative, noise levels at nearby property lines and/or residences would be well below applicable criteria.

Please refer to the *Noise Evaluation Report* provided in Appendix I.

Lighting

No additional lighting is planned for the facility.

Coastal Zone Management Areas

No Coastal Zone Management Areas would be affected by the Project.

Other Surrounding Features

No adverse effects are anticipated to the facilities identified in Figure 3, primarily because of their sufficient distances from the Project.

Visibility

Covering approximately 13.5 acres in total, the solar arrays will consist of approximately 13,072 solar panels, each measuring approximately 64.95 inches by 39.05 inches by 1.37 inches. The facility will include two (2) separate solar array areas. The large array that will occupy the western portion of the Site is set back sufficiently from abutting properties and public roads such that it will not be visible from locations off the Site. The southeast array will be located near the existing fence line along the southern property boundary, adjacent to five (5) neighboring residences along North Road, where views of existing infrastructure on the Site exist today. Portions of the southeastern array will be visible from some locations in this area.

Appendix J provides *Photo-Documentation and Simulations* of the Project Area.

Conclusion

As demonstrated in this EA, the Project will comply with CTDEEP air and water quality standards and will not have a substantial adverse effect on existing environment and ecology, nor would it affect the scenic, historic and recreational resources in the vicinity.

APPENDIX A

Inland Wetland & Watercourse Report

and

Photo-Documentation

WETLAND INSPECTION

October 7, 2015 **APT Project No.: CT443120**

Prepared For: Brightfields Development, LLC
40 Walnut Street, Suite 301
Wellesley, MA 02481
Attn: Michael Singer

Project Name: Poquonnock Road Solar Project

Site Address: 1240 Poquonnock Road
Groton, Connecticut

Date(s) of Investigation: 5/1/2015

Field Conditions: **Weather:** partly cloudy**,** low 50's
Soil Moisture: moist

Wetland/Watercourse Delineation Methodology*:

☒Connecticut Inland Wetlands and Watercourses
☐Connecticut Tidal Wetlands
☐U.S. Army Corps of Engineers

The wetlands inspection was performed by†:

Matthew Gustafson, Registered Soil Scientist

Enclosures: Wetland Delineation Field Form & Wetland Inspection Map

This report is provided as a brief summary of findings from APT's wetland investigation of the referenced Study Area that consists of proposed development activities and areas generally within 100 feet.‡ If applicable, APT is available to provide a more comprehensive wetland impact analysis upon receipt of site plans depicting the proposed development activities and surveyed location of identified wetland and watercourse resources.

* *Wetlands and watercourses were delineated in accordance with applicable local, state and federal statutes, regulations and guidance.*

† *All established wetlands boundary lines are subject to change until officially adopted by local, state, or federal regulatory agencies.*

‡ *APT has relied upon the accuracy of information provided by by Brightfields Development, LLC regarding the proposed subject property for defining the Study Area within which wetlands and/or watercourses are to be identified.*

Attachments

- Wetland Delineation Field Forms
- Wetland Inspection Map

Wetland Delineation Field Form

Wetland I.D.:	Wetland 1	
Flag #'s:	WF 1-01 to 1-110	
Flag Location Method:	Site Sketch ☒	GPS (sub-meter) located ☒

WETLAND HYDROLOGY:

NONTIDAL ☒

Intermittently Flooded ☐	Artificially Flooded ☐	Permanently Flooded ☒
Semipermanently Flooded ☐	Seasonally Flooded ☐	Temporarily Flooded ☐
Permanently Saturated ☐	Seasonally Saturated – seepage ☐	Seasonally Saturated - perched ☐
Comments: None		

TIDAL ☐

Subtidal ☐	Regularly Flooded ☐	Irregularly Flooded ☐
Irregularly Flooded ☐		
Comments: None		

WETLAND TYPE:

SYSTEM:

Estuarine ☐	Riverine ☐	Palustrine ☒
Lacustrine ☒	Marine ☐	
Comments: edge of a large reservoir with areas of bordering wetlands and shoreline		

CLASS:

Emergent ☒	Scrub-shrub ☒	Forested ☒
Open Water ☒	Disturbed ☐	Wet Meadow ☐
Comments: complex of emergent shoreline, scrub/shrub and forested habitats		

WATERCOURSE TYPE:

Perennial ☒	Intermittent ☐	Tidal ☐
Watercourse Name: Great Brook/Groton Reservoir		
Comments: water level controlled by dam and weir structure to the south		

Wetland Delineation Field Form (Cont.)

SPECIAL AQUATIC HABITAT:

Vernal Pool Yes ☐ No ☒ Potential ☐	Other ☐
Vernal Pool Habitat Type: None	
Comments: None	

SOILS:

Are field identified soils consistent with NRCS mapped soils?	Yes ☒	No ☐
If no, describe field identified soils		

DOMINANT PLANTS:

Buttonbush (Cephalanthus occidentalis)	Red Maple (Acer rubrum)
Highbush Blueberry (Vaccinium corymbosum)	Greenbrier (Smilax rotundifolia)
Black Birch (Betula lenta)	White Oak (Quercus alba)
Specked Alder (Alnus rugosa)	Narrow-Leaf Cattail (Typha augustifolia)
Black Willow (Salix nigra)	Multiflora Rose* (Rosa multiflora)
Soft Rush (Juncus effuses)	

* denotes Connecticut Invasive Species Council invasive plant species

GENERAL COMMENTS:

Wetland 1 is identified as the Groton Reservoir and Great Brook consisting of a large open water reservoir controlled by a dam and weir structure south of the Study Area. Large extents of the wetland boundary consist of lawn maintained by Groton Utilities along with emergent and scrub/shrub cover types. A large upland peninsula at the north end of the Study Area is dominated by eastern white pine (Pinus strobus) and red oak (Quercus rubra).

Wetland Delineation Field Form

Wetland I.D.:	Wetland 2	
Flag #'s:	WF 2-01 to 2-40	
Flag Location Method:	Site Sketch ☒	GPS (sub-meter) located ☒

WETLAND HYDROLOGY:

NONTIDAL ☒

Intermittently Flooded ☐	Artificially Flooded ☐	Permanently Flooded ☒
Semipermanently Flooded ☐	Seasonally Flooded ☐	Temporarily Flooded ☐
Permanently Saturated ☐	Seasonally Saturated – seepage ☐	Seasonally Saturated - perched ☐
Comments: None		

TIDAL ☐

Subtidal ☐	Regularly Flooded ☐	Irregularly Flooded ☐
Irregularly Flooded ☐		
Comments: None		

WETLAND TYPE:

SYSTEM:

Estuarine ☐	Riverine ☐	Palustrine ☐
Lacustrine ☒	Marine ☐	
Comments: edge of large reservoir lacking bordering wetlands		

CLASS:

Emergent ☐	Scrub-shrub ☐	Forested ☒
Open Water ☒	Disturbed ☐	Wet Meadow ☐
Comments: complex of steeply sloping sandy shoreline and forested habitats.		

WATERCOURSE TYPE:

Perennial ☒	Intermittent ☐	Tidal ☐
Watercourse Name: Hatching House Brook/Groton Reservoir		
Comments: water level controlled by dam and weir structure to the south		

Wetland Delineation Field Form (Cont.)

SPECIAL AQUATIC HABITAT:

Vernal Pool Yes ☐ No ☒ Potential ☐	Other ☐
Vernal Pool Habitat Type None	
Comments: None	

SOILS:

Are field identified soils consistent with NRCS mapped soils?	Yes ☒	No ☐
If no, describe field identified soils		

DOMINANT PLANTS:

Red Maple (Acer rubrum)	Eastern White Pine (Pinus strobus)
Red Pine (Pinus resinosa)	Highbush Blueberry (Vaccinium corymbosum)
Pussywillow (Salix discolor)	Greenbrier (Smilax rotundifolia)

* denotes Connecticut Invasive Species Council invasive plant species

GENERAL COMMENTS:

Wetland 2 is identified as Groton Reservoir and Hatching House Brook consisting of a large open water reservoir with a connection to Wetland 1 via an artificial channel. The southern wetland boundary is characterized by an exposed sandy/stony steeply sloping shoreline primarily devoid of vegetation (sparse pussywillow shrubs). The western wetland boundary consists of very steeply sloping shoreline and narrow bordering forested uplands (dominated by red pine).

Wetland Delineation Field Form

Wetland I.D.:	Wetland 3	
Flag #'s:	WF 3-01 to 3-30	
Flag Location Method:	Site Sketch ☒	GPS (sub-meter) located ☒

WETLAND HYDROLOGY:

NONTIDAL ☒

Intermittently Flooded ☐	Artificially Flooded ☐	Permanently Flooded ☒
Semipermanently Flooded ☐	Seasonally Flooded ☐	Temporarily Flooded ☐
Permanently Saturated ☐	Seasonally Saturated – seepage ☐	Seasonally Saturated - perched ☐
Comments: None		

TIDAL ☐

Subtidal ☐	Regularly Flooded ☐	Irregularly Flooded ☐
Irregularly Flooded ☐		
Comments: None		

WETLAND TYPE:

SYSTEM:

Estuarine ☐	Riverine ☐	Palustrine ☒
Lacustrine ☐	Marine ☐	
Comments: None		

CLASS:

Emergent ☐	Scrub-shrub ☐	Forested ☐
Open Water ☒	Disturbed ☐	Wet Meadow ☐
Comments: None		

WATERCOURSE TYPE:

Perennial ☐	Intermittent ☐	Tidal ☐
Watercourse Name: None		
Comments: None		

Wetland Delineation Field Form (Cont.)

SPECIAL AQUATIC HABITAT:

Vernal Pool Yes ☒ No ☐ Potential ☐	Other ☐
Vernal Pool Habitat Type: 'Classic'	
Comments: Identified as Vernal Pool 1. 45 spotted salamander (Ambystoma maculatum) egg masses observed within pool. Green frog adults and larva, bull frog larva, spring peeper larva, and tree frog larva also observed within pool. Southern edges have been cleared and maintained by Groton Utilities consisting of lawn and emergent vegetation. Bordering forested uplands to the north are dominated by eastern white pine (Pinus strobus) with shallow duff layers and minimal downed coarse woody debris.	

SOILS:

Are field identified soils consistent with NRCS mapped soils?	Yes ☒	No ☐
If no, describe field identified soils		

DOMINANT PLANTS:

Multiflora Rose* (Rosa multiflora)	Red Maple (Acer rubrum)
Sensitive Fern (Onoclea sensibilis)	Silky Dogwood (Cornus amomum)
Parrotfeather (Myriophyllum aquaticum)	Beggars-Ticks (Bidens spp.)
Arrow Arum (Peltandra virginica)	Sedge sp.

* denotes Connecticut Invasive Species Council invasive plant species

GENERAL COMMENTS:

Wetland 3 is an isolated depressional wetland appearing to be of historic artificial construction. Hydrology of the pool is characterized as permanent inundation with water depths in excess of six (6) feet. The wetland supports vernal pool breeding habitat with numerous species observed utilizing the pool. Southern extents of the pool are cleared and maintained and lack bordering scrub/shrub or forested upland (terrestrial) buffering. Slopes of the pool are generally steep, indicative of the pool's anthropogenic nature. A Groton Utilities electrical substation is located directly south of Wetland 3.

Wetland Delineation Field Form

Wetland I.D.:	Wetland 4	
Flag #'s:	WF 4-01 to 4-16	
Flag Location Method:	Site Sketch ☒	GPS (sub-meter) located ☒

WETLAND HYDROLOGY:

NONTIDAL ☒

Intermittently Flooded ☐	Artificially Flooded ☐	Permanently Flooded ☒
Semipermanently Flooded ☐	Seasonally Flooded ☐	Temporarily Flooded ☐
Permanently Saturated ☐	Seasonally Saturated – seepage ☐	Seasonally Saturated - perched ☐
Comments: None		

TIDAL ☐

Subtidal ☐	Regularly Flooded ☐	Irregularly Flooded ☐
Irregularly Flooded ☐		
Comments: None		

WETLAND TYPE:

SYSTEM:

Estuarine ☐	Riverine ☐	Palustrine ☒
Lacustrine ☐	Marine ☐	
Comments: None		

CLASS:

Emergent ☐	Scrub-shrub ☒	Forested ☒
Open Water ☒	Disturbed ☐	Wet Meadow ☐
Comments: None		

WATERCOURSE TYPE:

Perennial ☐	Intermittent ☐	Tidal ☐
Watercourse Name: None		
Comments: None		

Wetland Delineation Field Form (Cont.)

SPECIAL AQUATIC HABITAT:

Vernal Pool Yes ☒ No ☐ Potential ☐	Other ☐
Vernal Pool Habitat Type: 'Cryptic'	
Comments: The pool is identified as Vernal Pool 2. Four spotted salamander (Ambystoma maculatum) egg masses were observed. Western extents of the pool are comprised of narrow scrub/shrub habitat that provides herpetofauna breeding habitat. Hydrology of the pool is characterized as permanent inundation with water depths in excess of six (6) feet. Observations of vernal pool predatory species included painted turtle and green frog adults.	

SOILS:

Are field identified soils consistent with NRCS mapped soils?	Yes ☒	No ☐
If no, describe field identified soils		

DOMINANT PLANTS:

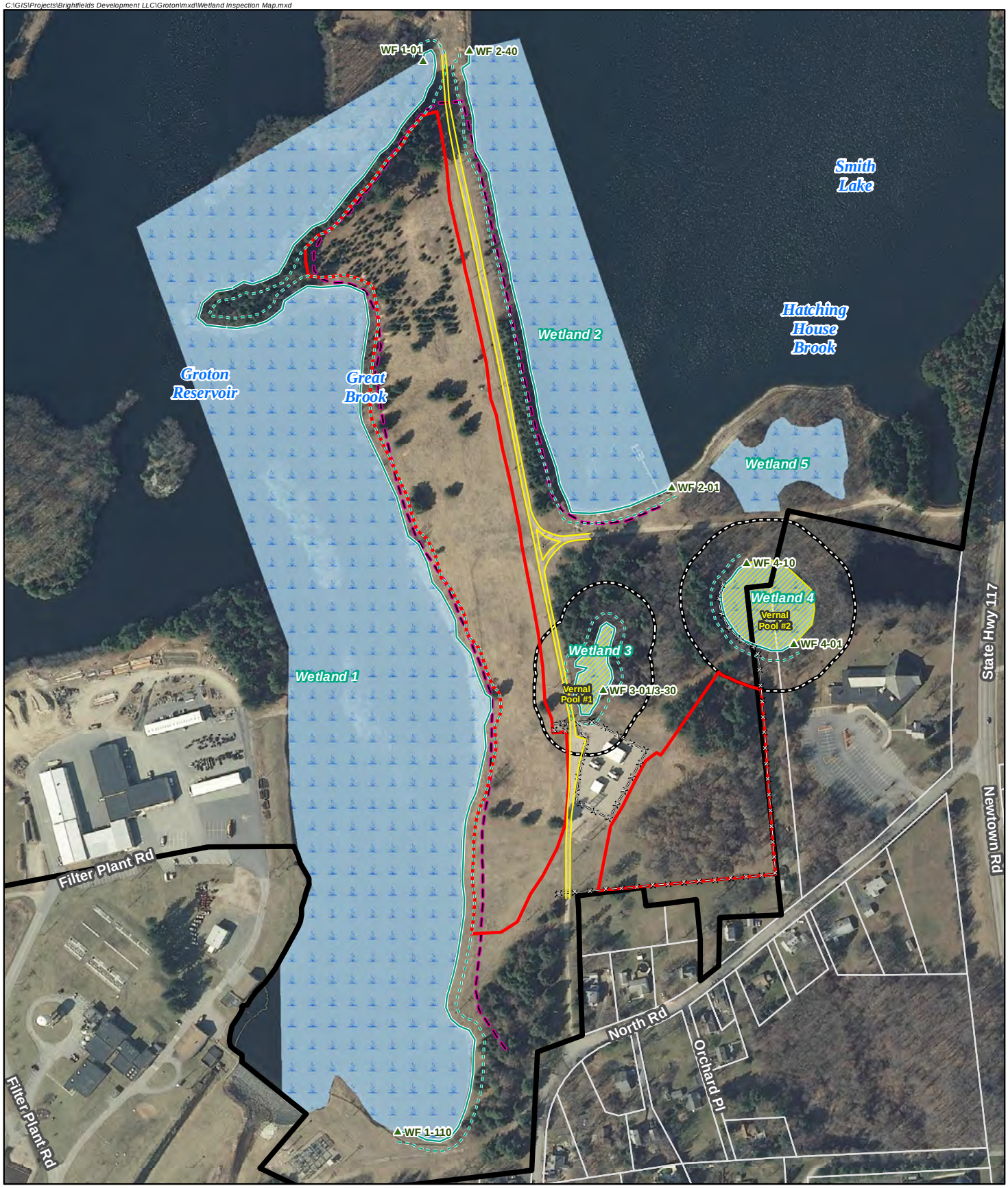
Red Maple (Acer rubrum)	Sweet Pepperbush (Clethera alnifolia)
Greenbrier (Smilax rotundifolia)	Fox Grape (Vitis labrusca)
Buttonbush (Cephalanthus occidentalis)	Winterberry (Ilex verticillata)

* denotes Connecticut Invasive Species Council invasive plant species

GENERAL COMMENTS:

Wetland 4 is a large deep open water area with a steep fill slope along the delineated western boundary. This wetland is located east of the Study Area with an interceding chain-link fence. The western boundary of this wetland feature consists of narrow scrub/shrub bordering vegetated uplands. Buttonbush 'rafts' occur along the western and northern borders, providing cover for vernal pool breeding habitat. Four painted turtles were observed using the pond.

C:\GIS\Projects\Brightfields Development LLC\Groton\mxd\Wetland Inspection Map.mxd



Legend

- Site Boundary
- Project Area (+/-13.48 acres)
- Approximate Assessor Parcel Boundary (CTDEEP)
- Existing Gravel Access Drive
- Existing Fence Line
- Start/End Wetland Flag
- Wetland Boundary
- 25' Wetland Buffer
- Limit of 500-Year Flood Zone
- Wetland Area
- Vernal Pool
- 100' Vernal Pool Envelope

Wetland Inspection Map

Proposed Solar Facility
1240 Poquonnock Road
Groton, Connecticut

Map Notes:
Base Map Source: 2012 Aerial Photograph (CTECO)
Map Scale: 1 inch = 325 feet
Map Date: October 2015

325 162.5 0 325 Feet

N W E S

BRIGHTFIELDS DEVELOPMENT LLC

ALL-POINTS TECHNOLOGY CORPORATION

Photo 1: View of Project Area looking north taken on 7/31/15.

Photo 2: View of edge of Wetland 1 looking south taken on 6/10/15

Photo 3: View of Wetland 2 looking north taken on 6/10/15.

Photo 4: View of Wetland 3 looking north taken on 6/10/15.

Photo 5: View of Wetland 4 looking north taken on 5/5/15.

Photo 6: View of Wetland 4 looking north taken on 5/5/15.

Photo 7: View of northern end of Project Area looking south taken on 5/11/15.

Photo 8: View of forest block within southeast portion of Project Area looking east taken on 5/5/15.

Photo 9: View of forest block duff layer within southeast portion of Project Area looking east taken on 5/5/15.

Photo 10: View musk turtle observed within Wetland 1 taken on 6/10/15.

APPENDIX B

Breeding Bird Inventory Table

Breeding Bird Inventory Table

Common Name	Scientific Name	Observed	Status	Habitat Type
American Goldfinch	*Carduelis tristis*	OB		CG, OF
American Redstart	*Setophaga ruticilla*			OF, MHF
American Robin	*Turdus migratorius*	OB		OF, MHF, DV
American Woodcock	*Scolopax minor*		MI	OF, ESS
Barred Owl	*Strix varia*			CG, MHF
Black-and-white Warbler	*Mniotilta varia*		IM	MHF
Black-billed Cuckoo	*Coccyzus erythropthalmus*		VI	OF, MHF
Black-capped Chickadee	*Parus atricapillus*	OB		MHF, OF
Blue Jay	*Cyanocitta cristata*	OB		MHF, DV
Blue-gray Gnatcatcher	*Polioptila caerulea*			MHF, OF
Blue-winged Warbler	*Vermivora pinus*		MI	OF
Broad-winged Hawk	*Buteo platypterus*		SC, VI	MHF, OF
Brown Creeper	*Certhia americana*		I	FW
Brown-headed Cowbird	*Molothrus ater*			MHF, OF
Brown Thrasher	*Toxostoma rufum*		SC, VI	OF
Carolina Wren	*Thryothorus ludovicianus*			OF, ESS
Cedar Waxwing	*Bombycilla cedrorum*			OF
Chimney Swift	*Chaetura pelagica*		VI	OF, CG
Chipping Sparrow	*Spizella passerina*			CG, OF, MHF
Common Yellowthroat	*Geothlypis trichas*	OB		OF
Downy Woodpecker	*Picoides pubescens*			MHF
Eastern Bluebird	*Sialia sialis*			OF, CG
Eastern Kingbird	*Tyrannus tyrannus*		IM	OF, CG
Eastern Phoebe	*Sayornis phoebe*			DV
Eastern Screech-Owl	*Otus asio*			MHF
Eastern Wood-Pewee	*Contopus virens*	OB	IM	MHF
European Starling	*Sturnus vulgaris*			DV, CG
Field Sparrow	*Spizella pusilla*		VI	OF
Gray Catbird	*Dumetella carolinensis*	OB		OF
Great Crested Flycatcher	*Myiarchus crinitus*			MHF, OF
Great Horned Owl	*Bubo virginianus*			MHF, CG
Hairy Woodpecker	*Picoides villosus*			MHF
Hermit Thrush	*Catharus guttatus*			MHF
Hooded Warbler	*Wilsonia citrina*			MHF
House Finch	*Carpodacus mexicanus*			DV, OF
House Sparrow	*Passer domesticus*			DV, OF
House Wren	*Troglodytes aedon*	OB		DV, OF
Indigo Bunting	*Passerina cyanea*	OB	VI	OF
Louisiana Waterthrush	*Seiurus motacilla*		VI	PS, MHF
Mourning Dove	*Zenaida macroura*	OB		DV, CG

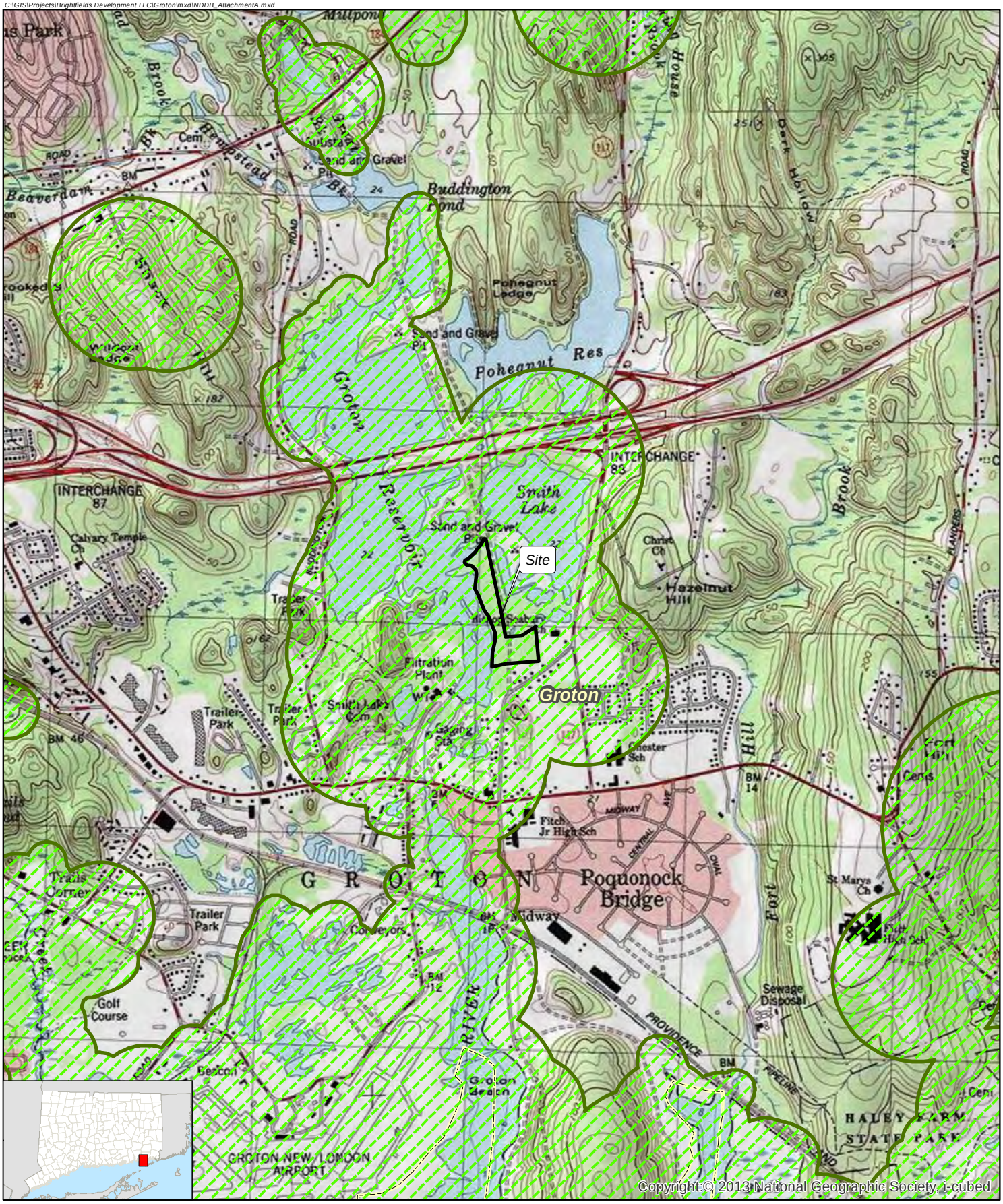
Common Name	Scientific Name	Observed	Status	Habitat Type
Northern Cardinal	*Cardinalis cardinalis*			MHF, DV
Northern Flicker	*Colaptes auratus*		VI	MHF, OF
Northern Mockingbird	*Mimus polyglottos*			OF
Northern Oriole	*Icterus galbula*		IM	MHF
Northern Waterthrush	*Seiurus noveboracensis*		IM	FW
Ovenbird	*Seiurus aurocapillus*		IM	MHF, FW
Pileated Woodpecker	*Dryocopus pileatus*			MHF
Red-bellied Woodpecker	*Melanerpes carolinus*			MHF
Red-eyed Vireo	*Vireo olivaceus*			MHF
Red-shouldered Hawk	*Buteo lineatus*	OB		MHF, FW, CG
Red-tailed Hawk	*Buteo jamaicensis*			MHF, CG, OF
Red-winged Blackbird	*Agelaius phoeniceus*	OB		CG
Rose-breasted Grosbeak	*Pheucticus ludovicianus*		IM	MHF, FW
Ruby-throated Hummingbird	*Archilochus colubris*			CG, OF, DV
Rufous-sided Towhee	*Pipilo erythrophthalmus*		VI	OF, MHF
Scarlet Tanager	*Piranga olivacea*		VI	MHF
Song Sparrow	*Melospiza melodia*	OB		OF
Tree Swallow	*Tachycineta bicolor*	OB		CG, OF
Tufted Titmouse	*Parus bicolor*	OB		MHF
Turkey Vulture	*Cathartes aura*	OB		DV, CG, MHF
Veery	*Catharus fuscescens*		IM	MHF, FW
White-breasted Nuthatch	*Sitta carolinensis*			MHF
Wild Turkey	*Meleagris gallopavo*			MHF, OF, CG
Wood Thrush	*Hylocichla mustelina*			MHF, FW
Yellow Warbler	*Dendroica petechia*	OB		OF, CG, MHF
Yellow-billed Cuckoo	*Coccyzus americanus*		VI	OF
Yellow-throated Vireo	*Vireo flavifrons*			MHF, OF

KEY
OB – species was observed on the site on 7-22-15
OH – species was observed soaring overhead
WAP Conservation Status: IM – Important; VI – Very Important; MI – Most Important
SC – State-listed species of special concern
Habitat Types (observed and potential use): CG – cool-season grassland; MHF – mixed hardwood forest; FW – forested wetland; OF – old field; ESS – emergent/scrub-shrub wetlands; PS – perennial stream; DV - developed

APPENDIX C

CTDEEP NDDB Mapping

C:\GIS\Projects\Brightfields Development LLC\Groton\mxd\NDDB_AttachmentA.mxd



Legend

- Site Area
- Natural Diversity Database (updated 12/2014)

Attachment A:
Overview Map

Proposed Solar Facility
1240 Poquonnock Road
Groton, Connecticut

Map Notes:
Base Map Source: USGS 7.5 Minute Topographic Quadrangle Map, New London (1984), CT
Map Scale: 1:24,000
Map Date: June 2015

1,000 500 0 1,000 Feet

BRIGHTFIELDS DEVELOPMENT LLC

ALL-POINTS TECHNOLOGY CORPORATION

APPENDIX D

State Historic Preservation Office Letter

Department of Economic and Community Development

Connecticut
still revolutionary

August 19, 2015

Ms. Nicole Castro
All-Points Technology Corporation, PC
3 Saddlebrook Drive
Killingworth, CT 06419

Subject: Brightfields Development, LLC – Solar City
1240 Poquonnock Road
Groton, Connecticut

Dear Ms. Castro:

The State Historic Preservation Office (SHPO) is in receipt of your request for our comments on the potential effects of the referenced project on historic properties. SHPO understands that Brightfields Development, LLC plans to construct a 5.02 MW photovoltaic renewable energy system comprised of approximately 15.81 acres of a 290.49 acre parcel. The proposed activities are under the jurisdiction of the Connecticut Siting Council.

SHPO notes that the project area previously was used for sand and gravel mining. Groton Reservoir to the west and Smith Lake to the east currently fill the depressions created by the mining activities. Historically, the area consisted of well-drained soils in close proximity to perennial sources of water and some of these remnant areas remain. This type of environmental setting is associated with pre-contact Native American settlement. A single previously recorded archeological site (59-14) is reported within the project parcel planned for the solar field development. In addition, a large number of archeological sites have been reported in the area surrounding the proposed development. It is SHPO's opinion that intact and relatively well-drained soils within the Area of Potential Effect have an elevated potential to contain significant archeological resources. We are therefore requesting that a professional cultural resources assessment and reconnaissance survey be completed prior to construction. The survey also should take into consideration potential indirect impacts on structures older than fifty years that may be eligible for listing on the National Register of Historic Places. This area contains one of Groton's earliest European settlements as represented by the nearby Jabez Smith House, a building listed on the National Register of Historic Places. Subsurface testing should assess all areas of anticipated ground disturbance that are considered to have a moderate/high sensitivity for containing significant archeological deposits, unless sufficient research or fieldwork documents that this level of effort is unwarranted. All work should be in compliance with our *Environmental Review Primer for Connecticut's Archaeological Resources* and no construction or other project-related ground disturbance should be initiated until SHPO has had an opportunity to review and comment upon the requested survey.

This office appreciates the opportunity to review and comment upon this project. These comments are provided in accordance with the Connecticut Environmental Policy Act. For additional information, please contact Catherine Labadia, Environmental Reviewer, at (860) 256-2764 or catherine.labadia@ct.gov.

Sincerely,

Mary B. Dunne
Deputy State Historic Preservation Officer

APPENDIX E

Coastal Boundary Map

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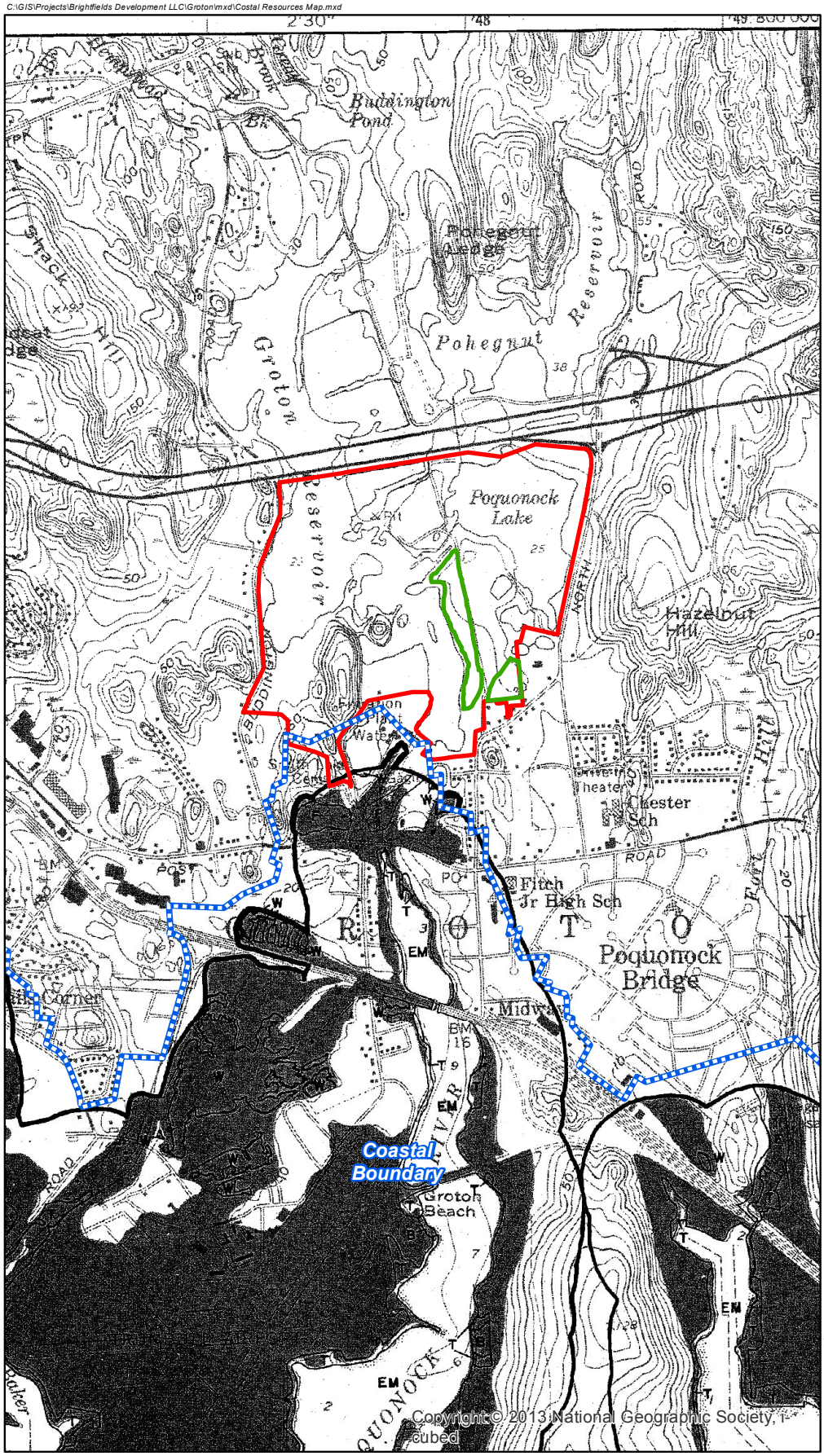

LEGEND

COASTAL LAND RESOURCES

E — COASTAL BLUFFS AND ESCARPMENTS: Steep, seaward sloping marine cliffs or escarpments composed of unconsolidated bouldery to stony or sandy to gravelly soils. The slopes are active and the shores retreating(eroding). The slopes may be mantled with a sparse shrub or herb cover of salt spray tolerant plants. (Sources: 1,2)

mE — modified BLUFFS AND ESCARPMENTS: Bluffs and escarpments which have been temporarily stabilized by erosion control structures (revetment, bulkhead or seawall) positioned seaward of the marine cliff or escarpment. (Source: 1)

B — BEACHES AND DUNES: Moderately sloping shores composed of water worked sand, gravel or cobble deposits(beach) and when present, wind deposited sands(dunes or sand flats). The beach (proper) is positioned between mean low water and coastal bluffs/escarpments or dunes or vegetation. The map designations include all areas of sandy beach fill. Dunes and sand flats positioned landward and elevated above the beach, support coastal grasslands dominated by beach grass (*Ammophila breviligulata*). (Sources: 1,2,3,4)

mB — modified BEACHES AND DUNES: Beach systems temporarily stabilized by an erosion control structure (revetment, seawall or bulkhead) positioned between the dune ridge and the beach. (Source: 1)

R — ROCKY SHOREFRONTS: Shorefront composed of bedrock or armored with a dense aggregate of boulder and stone. Includes rugged nearly vertical rock cliffs or gently seaward sloping rock and bouldery lands. (Source: 1)

COASTAL 'FLOOD' HAZARD AREA: 100 year coastal flood hazard area as identified by the Federal Emergency Management Agency (FEMA). On those coastal islands currently unmapped by FEMA, the flood hazard area is conservatively approximated by the 10' contour interval. (Sources: 2,5)

F — FRESHWATER WETLANDS AND UNDESIGNATED TIDAL WETLANDS: Areas defined in Section 22a-38 of the Connecticut General Statutes as "land, including submerged land, not regulated pursuant to sections 22a-28 to 22a-35('Tidal' Wetlands and Watercourses Act), inclusive, which consists of any of the soil types designated as poorly drained, very poorly drained, alluvial and floodplain...(Inland Wetlands and Watercourses Act)." Includes all freshwater wetland soils and any poorly to very poorly drained soils of the Pawcatuck and Westbrook series (tidal wetland soils) that are unmapped and unregulated by the state tidal wetland program. (Sources: 1,5)

I — ISLANDS: A land mass of bedrock or till encircled by coastal waters. (Note: All critical coastal resource components of the island such as bluffs and escarpments, beaches and dunes, rocky shorefront and wetlands should be managed accordingly whether or not these are displayed on this map) (Sources: 1,2)

SHORELANDS: Upland areas at elevations in excess of the 100 year still water flood level and located within the coastal boundary. (Sources: 2,5)

D — DEVELOPED SHOREFRONT: Port and harbor areas which have been highly engineered and developed resulting in the functional impairment or substantial alteration of their natural physiographic features or systems. (Sources: 1,3,4,7)

W — WATER: Open water bodies such as but not limited to lakes and ponds subject to regulation under Sections 22a-36 to 22a-45 of the Connecticut General Statutes. (Source: 2)

INTERTIDAL RESOURCES

T — REGULATED TIDAL WETLANDS: Official state designated and regulated tidal wetlands located within the coastal boundary. The areas depicted on this map shall in no way supersede the official state regulated tidal wetland maps at the scale of 1:2400. (Source: 6)

INTERTIDAL FLATS: Level to gently sloping areas subjected to alternating periods of tidal inundation and exposure. Sediment is variable ranging from mud to sand. (Source: 2)

COASTAL WATERS

EM — ESTUARINE EMBAYMENTS: Protected coastal water bodies with an open connection to the Sound including tidal rivers, bays, coves and lagoons. (Source: 2)

NW — NEARSHORE WATERS: Those waters and submerged lands between mean low water and a depth approximated by the 10 meter bathymetric contour. (Source: 2)

OW — OFFSHORE WATERS: Those waters and submerged lands seaward of a depth approximated by the 10 meter bathymetric contour. (Source: 2)

COASTAL BOUNDARY: As defined in Section 22a-94 of the Connecticut General Statutes as amended by Public Act 79-535. (Lands and waters seaward of the inside edge of this line are subject to the provisions of the Connecticut Coastal Management Act)

SOURCES:
1. False Color Infrared Aerial Photographs (1:12000), 1974
2. U.S.G.S. 7½ Minute Quadrangle
3. Surficial Geology Maps (U.S.G.S. or Connecticut Geological and Natural History Survey)
4. Soil Conservation Service, Coastal Soil Maps (1;24000), 1979
5. Flood Insurance Maps Prepared by the Federal Emergency Management Agency (hazard boundary maps, preliminary flood insurance rate maps or final flood insurance rate maps, whichever ones were most current at this printing)
6. State Regulated Tidal Wetland Maps (1:2400)
7. Coastal Area Management, Land Use Overlays (1:24000)

Legend

- Site
- Project Area
- CTDEEP Coastal Boundary

Map Notes:
Base Map Source: Coastal Resources Map; 1979.
Prepared by Coastal Area Management Program, CTDEEP.
Map Scale:1 inch = 2,000 feet
Map Date: September 2015

N W E S

1,000 500 0 1,000 Feet

Coastal Resources Map

Proposed Solar Facility
1240 Poquonnock Road
Groton, Connecticut

This map is intended as a guide to identify the approximate locations of coastal resources. Map designations conform to the resource definitions in Section 22a-93 of the Connecticut General Statutes as amended by Public Act 79-535. Boundary lines are as precise as this map and source information permit. This map shall not supersede any existing and more precise official tidal wetland map, state or municipal inland wetlands map or FEMA flood insurance map. Specific question or comments, relating to the map units or the application of this map, should be directed to the Co Management Program.

BRIGHTFIELDS DEVELOPMENT LLC

ALL-POINTS TECHNOLOGY CORPORATION

APPENDIX F

Construction Schedule

Construction Schedule for Groton Solar Array

Activity	Prerequisites to construction start	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Siting Council approval	x												
Groton Building Permit	x												
State Permits	x												
Tree and brush removal		x	x										
Install wood chip berms and erosion control			x	x									
Install racking and solar panels				x	x	x	x	x	x	x	x		
Install equipment pads									x	x			
Utility equipment installation										x	x	x	
Final landscaping											x	x	x

APPENDIX G

Construction Work Hours/Days Letter

9-25-2015

Connecticut Siting Council

10 Franklin Sq.

New Britain, CT 06051

RE: Solar Application, 1240 Poquonnock Ave, Groton, CT

To whom it may concern:

For the construction of the solar array at 1240 Poquonnock Ave, Groton, CT, we plan to us the following work schedule.

7am to 7pm

7 days per week.

Best regards,

Robert Miller

Project Manager

SolarCity

APPENDIX H

Wetland Protection Plan

ALL-POINTS TECHNOLOGY CORPORATION

WETLAND PROTECTION PROGRAM

Portions of the proposed Project are located in close proximity to wetlands. As a result, the following protective measures shall be followed to help avoid degradation of the nearby wetland system.

It is of the utmost importance that the Contractor complies with the requirement for the installation of protective measures and the education of its employees and subcontractors performing work on the project site. These measures will also provide protection to a nearby wetland system. This protection program shall be implemented regardless of time of year the construction activities occur. All-Points Technology Corporation, P.C. ("APT") will serve as the Environmental Monitor for this project to ensure that wetland protection measures are implemented properly. The Contractor shall contact Dean Gustafson, Senior Environmental Scientist at APT, at least 5 business days prior to the pre-construction meeting. Mr. Gustafson can be reached by telephone at (860) 663-1697 ext. 201 or via email at dgustafson@allpointstech.com.

The wetland protection program consists of several components: use of appropriate erosion control measures to control and contain erosion while avoiding/minimizing wildlife entanglement; periodic inspection and maintenance of isolation structures and erosion control measures; education of all contractors and sub-contractors prior to initiation of work on the site; protective measures; and, reporting.

1. **Erosion and Sedimentation Controls**

    a. Plastic netting used in a variety of erosion control products (i.e., erosion control blankets, fiber rolls [wattles], reinforced silt fence) has been found to entangle wildlife, including reptiles, amphibians, birds and small mammals. No permanent erosion control products or reinforced silt fence will be used on the project. Temporary Erosion control products will use either erosion control blankets and fiber rolls composed of processed fibers mechanically bound together to form a continuous matrix (net less) or netting composed of planar woven natural biodegradable fiber to avoid/minimize wildlife entanglement.

    b. Installation of erosion control measures shall be performed by the Contractor prior to any earthwork. The Environmental Monitor will inspect the work zone area prior to and following barrier installation to ensure erosion controls are properly installed.

    c. In addition to required daily inspection by the Contractor, the fencing will be inspected for tears or breeches in the fabric following installation periodically by the Environmental Monitor throughout the course of the construction project.

    d. The extent of the erosion controls will be as shown on the site plans. The Contractor shall have additional erosion control materials should field conditions warrant extending the fencing as directed by the Environmental Monitor.

    e. All silt fencing and other erosion control devices shall be removed within 30 days of completion of work and permanent stabilization of site soils. If fiber rolls/wattles, straw bales, or other natural material erosion control products are used, such devices will not be left in place to biodegrade and shall be promptly removed after soils are stable so as not to create a barrier to migrating wildlife. Seed from seeding of soils should not spread over fiber rolls/wattles as it makes them harder to remove once soils are stabilized by vegetation.

ALL-POINTS TECHNOLOGY CORPORATION, P.C.
☒ 3 SADDLEBROOK DRIVE · KILLINGWORTH, CT 06419 · PHONE 860-663-1697 · FAX 860-663-0935
☐ P.O. BOX 504 · 116 GRANDVIEW ROAD · CONWAY, NH 03818 · PHONE 603-496-5853 · FAX 603-447-2124

2. Contractor Education

a. Prior to work on site, the Contractor shall attend an educational session at the pre-construction meeting with the Environmental Monitor. This orientation and educational session will consist of an introductory meeting with the Environmental Monitor to understand the environmentally sensitive nature of the development site and the need to follow these protective measures.

3. Petroleum Materials Storage and Spill Prevention

a. Certain precautions are necessary to store petroleum materials, refuel and contain and properly clean up any inadvertent fuel or petroleum (i.e., oil, hydraulic fluid, etc.) spill due to the project's location in proximity to sensitive wetlands.

b. A spill containment kit consisting of a sufficient supply of absorbent pads and absorbent material will be maintained by the Contractor at the construction site throughout the duration of the project. In addition, a waste drum will be kept on site to contain any used absorbent pads/material for proper and timely disposal off site in accordance with applicable local, state and federal laws.

c. The following petroleum and hazardous materials storage and refueling restrictions and spill response procedures will be adhered to by the Contractor.

i. Petroleum and Hazardous Materials Storage and Refueling

1. Refueling of vehicles or machinery shall occur a minimum of 100 feet from wetlands or watercourses and shall take place on an impervious pad with secondary containment designed to contain fuels.

2. Any fuel or hazardous materials that must be kept on site shall be stored on an impervious surface utilizing secondary containment a minimum of 100 feet from wetlands or watercourses.

ii. Initial Spill Response Procedures

1. Stop operations and shut off equipment.

2. Remove any sources of spark or flame.

3. Contain the source of the spill.

4. Determine the approximate volume of the spill.

5. Identify the location of natural flow paths to prevent the release of the spill to sensitive nearby waterways or wetlands.

6. Ensure that fellow workers are notified of the spill.

iii. Spill Clean Up & Containment

1. Obtain spill response materials from the on-site spill response kit. Place absorbent materials directly on the release area.

2. Limit the spread of the spill by placing absorbent materials around the perimeter of the spill.

3. Isolate and eliminate the spill source.

4. Contact appropriate local, state and/or federal agencies, as necessary.

5. Contact a disposal company to properly dispose of contaminated materials.

iv. Reporting

1. Complete an incident report.

2. Submit a completed incident report to appropriate local, state and/or federal agencies, as necessary.

4. Herbicide and Pesticide Restrictions

a. In the event herbicides and/or pesticides are required at the proposed facility, their use will be used in accordance with Integrated Pest Management ("IPM") principles with particular attention to minimize applications within 100 feet of wetland or watercourse resources. No applications of herbicides or pesticides are allowed within actual wetland or watercourse resources.

5. Reporting

a. Any incidents of sediment release into the nearby wetland will be reported to the Connecticut Siting Council.

APPENDIX I

Noise Evaluation Report

HMB

HMB Acoustics LLC 3 Cherry Tree Lane, Avon, CT 06001 860-677-5955

Noise Evaluation Report

Proposed Solar Farm Facility
Connecticut Municipal Electric Energy Cooperative
1240 Poquonnock Road
Groton, CT

July 24, 2015

Prepared For:
All-Points Technology Corporation
3 Saddlebrook Drive
Killingworth, CT 06419

Prepared By:
Allan Smardin
HMB Acoustics LLC
3 Cherry Tree Lane
Avon, CT 06001

Introduction

I have reviewed site plans and specifications regarding the Inverters that are being proposed for the Solar Farm. The Solar Farm is to be located at 1240 Poquonnock Road, Groton, CT. The site location is commercial in nature. On July 10, 2015, existing background noise measurements were taken near the proposed site and in adjacent areas (average noise levels were 50-55 dBA).

The purpose of the noise evaluation is to determine whether the proposed Inverters will comply with the State of CT Noise Regulations. This report and the noise regulations utilize a dBA scale. This scale is used because it closely approximates the response characteristic of the human ear to loudness, and is the scale most commonly used in the measurement of community noise.

Noise Regulations

The State of CT has enacted regulations which limit the amount of noise which may be transferred from one property to another. In pertinent part, the Regulations provide as follows:

Daytime hours - The hours between 7 a.m. and 10 p.m. local time.
Nighttime hours - The hours between 10 p.m. and 7 a.m. local time.
(Sec. 22a-69-1.1 (h) & (n)).

The allowable noise level from a Class “B” Commercial Zone Emitter to a Class “B” Commercial Zone Receptor’s property line is 62 dBA (Sec.22a-69-3.5 (b)). Using the most conservative (Residential Zone Receptor) values, the allowable noise level would be 45 dBA at night and 55 dBA during the daytime, when the inverters would be running.

Noise Evaluation

The noise levels listed in TABLE 1 take into account the effect of acoustical shielding provided by other structures on the property. The noise levels have been projected to the nearest property lines in the directions listed.

TABLE 1

The combined acoustical effect of 5 Inverters projected to the nearest property lines.

Direction	Property Line dBA Level
North	35
South	33
East	36
West	22

Noise Evaluation Results

The noise level data shown in TABLE 1 demonstrates that the noise levels meet the conditions for compliance as set forth in the State of CT Regulations at or near adjacent property lines using the most conservative values for residential receptors.

APPENDIX J

Photo-Documentation and Simulations

EXISTING CONDITIONS

ALL-POINTS TECHNOLOGY CORPORATION

BRIGHTFIELDS DEVELOPMENT LLC

FINAL CONFIGURATION

ALL-POINTS TECHNOLOGY CORPORATION

BRIGHTFIELDS DEVELOPMENT LLC

EXISTING CONDITIONS

ALL-POINTS TECHNOLOGY CORPORATION

BRIGHTFIELDS DEVELOPMENT LLC

FINAL CONFIGURATION

ALL-POINTS TECHNOLOGY CORPORATION

BRIGHTFIELDS DEVELOPMENT LLC

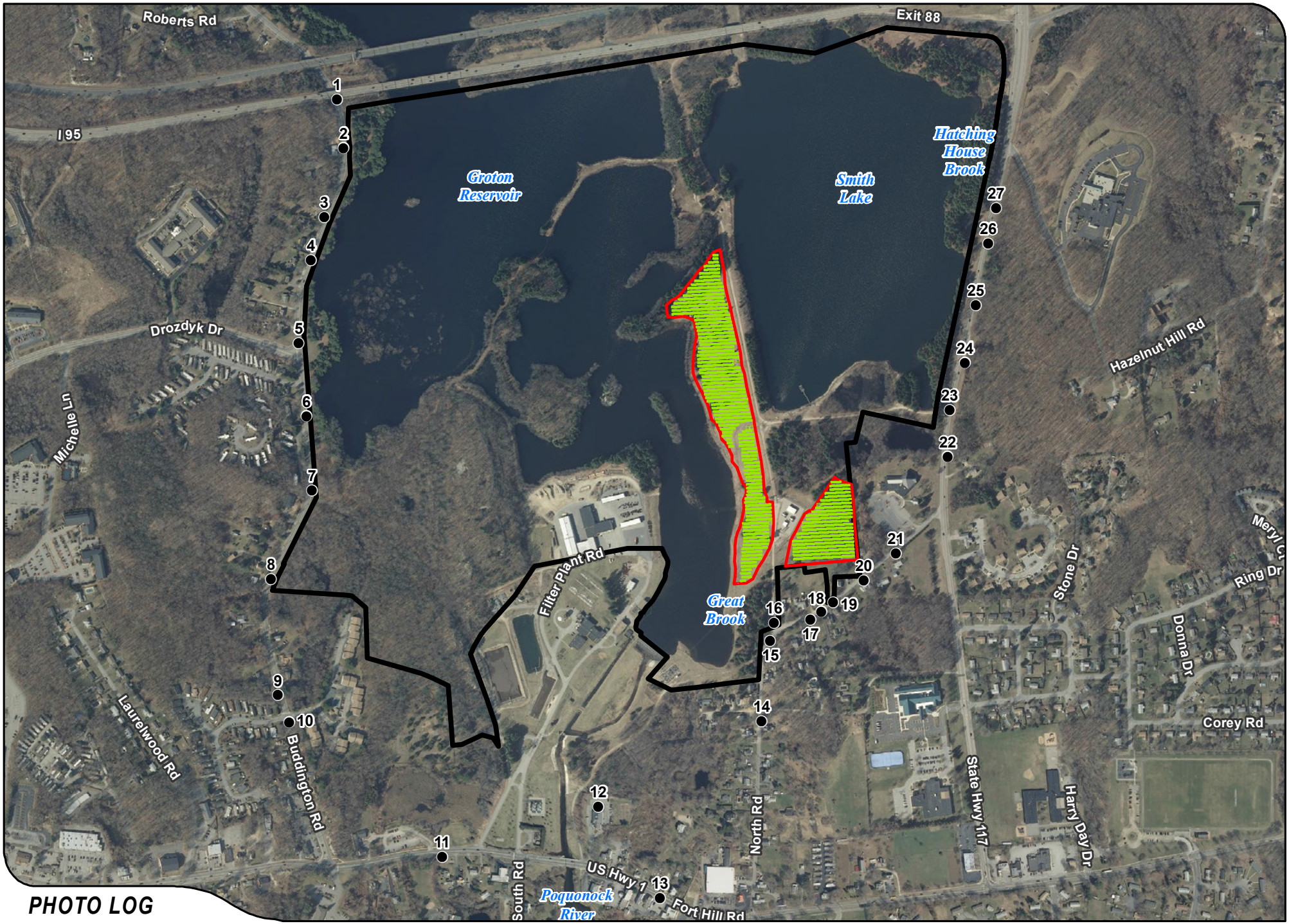

PHOTO LOG

Legend

- ● Photo Location
- Proposed Equipment
- Site Boundary
- Project Area (+/-13.48 acres)

N W E S

750 375 0 750 Feet

ALL-POINTS TECHNOLOGY CORPORATION

BRIGHTFIELDS DEVELOPMENT LLC

DOCUMENTATION

PHOTO	LOCATION	ORIENTATION
1	**BUDDINGTON ROAD**	**SOUTHEAST**

DOCUMENTATION

PHOTO	LOCATION	ORIENTATION
2	**BUDDINGTON ROAD**	**SOUTHEAST**

DOCUMENTATION

PHOTO	LOCATION	ORIENTATION
3	**BUDDINGTON ROAD**	**SOUTHEAST**

DOCUMENTATION

PHOTO	LOCATION	ORIENTATION
4	**BUDDINGTON ROAD**	**SOUTHEAST**

DOCUMENTATION

PHOTO	LOCATION	ORIENTATION
5	**BUDDINGTON ROAD**	**EAST**

DOCUMENTATION

PHOTO	LOCATION	ORIENTATION
6	**BUDDINGTON ROAD**	**EAST**

DOCUMENTATION

PHOTO	LOCATION	ORIENTATION
7	**BUDDINGTON ROAD**	**EAST**

DOCUMENTATION

PHOTO	LOCATION	ORIENTATION
8	**BUDDINGTON ROAD**	**EAST**

DOCUMENTATION

PHOTO	LOCATION	ORIENTATION
9	**BUDDINGTON ROAD**	**NORTHEAST**

DOCUMENTATION

PHOTO	LOCATION	ORIENTATION
10	**BUDDINGTON ROAD**	**NORTHEAST**

DOCUMENTATION

PHOTO	LOCATION	ORIENTATION
11	**POQUONNOCK ROAD**	**NORTHEAST**

DOCUMENTATION

PHOTO	LOCATION	ORIENTATION
12	**GROTON HUMAN SERVICES PARKING LOT**	**NORTHEAST**

DOCUMENTATION

PHOTO	LOCATION	ORIENTATION
13	**POQUONNOCK ROAD**	**NORTHEAST**

DOCUMENTATION

PHOTO	LOCATION	ORIENTATION
14	**NORTH ROAD**	**NORTH**

DOCUMENTATION

PHOTO	LOCATION	ORIENTATION
15	**NORTH ROAD**	**NORTH**

DOCUMENTATION

PHOTO	LOCATION	ORIENTATION
16	**NORTH ROAD**	**NORTH**

ALL-POINTS TECHNOLOGY CORPORATION

BRIGHTFIELDS DEVELOPMENT LLC

DOCUMENTATION

PHOTO	LOCATION	ORIENTATION
17	**NORTH ROAD**	**NORTH**

DOCUMENTATION

PHOTO	LOCATION	ORIENTATION
18	**NORTH ROAD**	**NORTH**

DOCUMENTATION

PHOTO	LOCATION	ORIENTATION
18	**NORTH ROAD**	**NORTH**

DOCUMENTATION

PHOTO	LOCATION	ORIENTATION
19	**NORTH ROAD**	**NORTHWEST**

DOCUMENTATION

PHOTO	LOCATION	ORIENTATION
19	**NORTH ROAD**	**NORTHWEST**

DOCUMENTATION

PHOTO	LOCATION	ORIENTATION
20	**NORTH ROAD**	**NORTHWEST**

DOCUMENTATION

PHOTO	LOCATION	ORIENTATION
20	**NORTH ROAD**	**NORTHWEST**

DOCUMENTATION

PHOTO	LOCATION	ORIENTATION
21	**NORTH ROAD**	**NORTHWEST**

DOCUMENTATION

PHOTO	LOCATION	ORIENTATION
22	**NEWTOWN ROAD**	**WEST**

DOCUMENTATION

PHOTO	LOCATION	ORIENTATION
23	**NEWTOWN ROAD**	**WEST**

DOCUMENTATION

PHOTO	LOCATION	ORIENTATION
24	**NEWTOWN ROAD**	**WEST**

DOCUMENTATION

PHOTO	LOCATION	ORIENTATION
25	**NEWTOWN ROAD**	**SOUTHWEST**

DOCUMENTATION

PHOTO	LOCATION	ORIENTATION
26	**NEWTOWN ROAD**	**SOUTHWEST**

EXHIBIT 3

PROOF OF NOTICE

This is to certify that on the 7th day of October, 2015 the attached notice of the filing of this Petition was mailed, via first class mail, to the abutters of 1240 Poquonnock Road, Groton (the "Abutters Notice"), and on the 8th day of October, 2015 the attached notice of the filing of this Petition was mailed, via first class mail, to all local and state officials required to receive notice[1] (the "Local/State Officials Notice").

Philip M. Small

[1] The City of Groton is the owner of the property and they are their own abutter, consequently the owner of the Site has received notice of the filing of the Petition.

ABUTTERS NOTICE

PHILIP M. SMALL
direct dial: (860) 509-6575
psmall@brownrudnick.com

185 Asylum
Street
Hartford
Connecticut
06103
tel 860.509.6500
fax 860.509.6501

October 7, 2015

VIA FIRST CLASS MAIL

Notice List Recipients

RE: SolarCity Corp.'s Petition to the Connecticut Siting Council for Declaratory Ruling

Dear Sir/Madam:

Pursuant to Section 16-50j-40 of the Connecticut Siting Council's (the "Council") regulations, we are notifying you that SolarCity Corporation intends to file on or shortly after October 8, 2015, a Petition for Declaratory Ruling with the Council. The petition will request the Council's approval of the location and construction of an approximately 4.05 megawatt ("MW") solar-based electric generating facility (the "Facility"). The Facility will be located on municipally-owned land at 1240 Poquonnock Road, Groton, Connecticut (the "Site"). Groton's water treatment plant infrastructure, an electrical substation and transmission lines are currently located at the Site. The Facility will be a "grid-side distributed resources" facility (as defined in Connecticut General Statute Section 16-1(a)(37)), under 65 megawatts ("MW") that complies with the air and water quality standards of the Connecticut Department of Energy and Environmental Protection ("DEEP") and will have no adverse environmental effect in the State of Connecticut. Electricity generated by the Facility will be exported to the electric grid.

If you have any questions regarding the proposed Facility, please contact any of the following:

Elie Schecter
SolarCity Corporation
203 Ridgewood Drive
Elmsford, NY 10523
Telephone: (914) 924-6450
Fax: (914) 592-2189
Email: eschecter@solarcity.com

Philip M. Small, Esq.
Brown Rudnick LLP
185 Asylum Street, 38th Floor
Hartford, CT 06103
Tel: (860) 509-6575
Fax: (860) 509-6501
E-mail:psmall@brownrudnick.com

Connecticut Siting Council
Ten Franklin Square
New Britain, CT 06051
Tel: (860) 827-2935
Fax: (860) 827-2950
E-mail: siting.council@ct.gov

Sincerely,

BROWN RUDNICK LLP

Philip M. Small

62042682

NOTICE LIST RECIPIENTS

Owner of Record	Owner's Mailing Address	Property Location	Property ID
EXIT 88 HOTEL LLC	914 HARTFORD TURNPIKE, WATERFORD, CT 06385	Prop.: 625 North Road; Unit A1 Prop.: 625 North Road; Unit A2 Prop.: 625 North Road; Unit B1 Prop.: 625 North Road; Unit B2	169916940668 00A1 169916940668 00A2 169916940668 00B1 169916940668 00B2
115 POHEGANUT DRIVE LLC	P.O. BOX 1637, WESTERLY, RI 02891	Prop.: 115 Poheganut Drive	169916945378
CITY OF GROTON	P.O. Box 820, Groton, CT 06340	Prop.: 0 Hazelnut Hill Road	169916828795 E
CITY OF GROTON	P.O. Box 820, Groton, CT 06340	Prop.: 0 North Road	169920812360 E
TOWN OF GROTON	45 Fort Hill Road, Groton, CT 06340	Prop.: 0 North Road	169920801654 E
STEDFAST BAPTIST CHURCH, INC.	256 North Road, Groton, CT 06340	Prop.: 256 North Road	169920705230 E
RODGERS, LAUREL J.	196 North Road, Groton, CT 06430	Prop.: 196 North Road	169807792958
BEAMAN, ROBERT F.	187 North Road, Groton, CT 06430	Prop.: 187 North Road	169807793511
CROWE, RANDI J. & CARROCA, NORBERT	180 North Road, Groton, CT 06430	Prop.: 180 North Road	169807791566
TOWN OF GROTON	45 Fort Hill Road, Groton, CT 06340	Prop.: 0 North Road	169807794225 E
TADROS, ASHRAF	17 Wayne Road, Groton, CT 06340	Prop.: 173 North Road	169807791328
CARON, BRUCE R. & BARBARA S.	169 North Road, Groton, CT 06430	Prop.: 169 North Road	169807791310
MESSINA, LUCRETIA MICHELLE	168 North Road, Groton, CT 06430	Prop.: 168 North Road	169807790417
TOWN OF GROTON	45 Fort Hill Road, Groton, CT 06340	Prop.: 0 North Road	169807790529 E
CITY OF GROTON	P.O. Box 820, Groton, CT 06340	Prop.: 130 North Road	169807698578 E
JOHNSON, TODD	144 North Road, Groton, CT 06340	Prop.: 144 North Road	169807698411
JENSEN, LESLIE	149 North Road, Groton, CT 06430	Prop.: 149 North Road	169807698271
MADDEN, DANIEL	40 Pearl Street, Mystic, CT 06355	Prop.: 141 North Road	169807698008
GREGORY, LEON L.	115 North Road, Groton, CT 06430	Prop.: 115 North Road	169807697023
GRAY, BEVERLY	110 North Road, Groton, CT 06430	Prop.: 110 North Road	169807685983
SHANK, PATRICK L. & DONNA M.	16 Trent Lane, Groton, CT 06430	Prop.: 16 Trent Lane	169807684886
MAULTSBY, ELSIE C.	22 Trent Lane, Groton, CT 06430	Prop.: 22 Trent Lane	169807684816
PRAY, HERBERT R., JR.	71 Midway Oval, Groton, CT 06340	Prop.: 30 Trent Lane	169807683835
CITY OF GROTON	P.O. Box 820, Groton, CT 06340	Prop.: 0 North Road	169807681783 E
CITY OF GROTON FILTRATION PLANT	P.O. Box 820, Groton, CT 06340	Prop.: 1268 Poquonnock Road	169807584778 E
1154 POQUONNOCK ROAD, LLC	c/o Steve Kitts, 3 Beckwith Road, Haddam, CT 06438	Prop.: 1154 Poquonnock Road	169806485202
SMITH LAKE CEMETERY ASSOC.	c/o Greg Johnson, 71 North Road, Groton, CT 06430	Prop.: 1220 Poquonnock Road	169806485743 E
PALMER, LEWIS V.	68-1 BUDDINGTON RD, Groton, CT 06340	Prop.: 68 Buddington Road	169806480857 68-1
GRANT, KIMBERLY	68-2 BUDDINGTON RD, Groton, CT 06340	Prop.: 68 Buddington Road	169806480857 68-2
LYNCH, LOUISE P.	68-3 BUDDINGTON RD, Groton, CT 06340	Prop.: 68 Buddington Road	169806480857 68-3
JOHN, PAPPAN & DAISY & JOHNSON, JOHN	68-4 BUDDINGTON RD, Groton, CT 06340	Prop.: 68 Buddington Road	169806480857 68-4
HARPSTREIT, JESSICA A.	68-5 BUDDINGTON RD, Groton, CT 06340	Prop.: 68 Buddington Road	169806480857 68-5
METSIOS, PAUL	68-6 BUDDINGTON RD, Groton, CT 06340	Prop.: 68 Buddington Road	169806480857 68-6
RIVADENEIRA, CRISTINA	1 HARTFORD CT, Groton, CT 06340	Prop.: 68 Buddington Road	169806480857 68-7
SMITH, ALEXIS S.	68-8 BUDDINGTON RD, Groton, CT 06340	Prop.: 68 Buddington Road	169806480857 68-8
BLAKE, JOANNA A.	70-1 BUDDINGTON RD, Groton, CT 06340	Prop.: 70 Buddington Road	169806480857 70-1
BASILE, FRANK & CATHERINE L.	14 DOGWOOD LA, Succasunna, NJ 07876	Prop.: 70 Buddington Road	169806480857 70-2
MYSTIC BUILDING COMPANY, LLC	133 HIGH MEADOW LA, Mystic, CT 06355	Prop.: 70 Buddington Road	169806480857 70-3
JAMON, RICARDO	70-4 BUDDINGTON RD, Groton, CT 06340	Prop.: 70 Buddington Road	169806480857 70-4
HOBSON, PETER N. & ROSANNE S.	70-5 BUDDINGTON RD, Groton, CT 06340	Prop.: 70 Buddington Road	169806480857 70-5
GOUETTE, CHRISTOPHER A.	234 CLAY HILL RD, Cape Neddick, ME 03902	Prop.: 70 Buddington Road	169806480857 70-6
BONNASSIEUX, ALEXANDRE P.	70-7 BUDDINGTON RD, Groton, CT 06340	Prop.: 70 Buddington Road	169806480857 70-7
GREGORY, SCOTT E.	70-8 BUDDINGTON RD, Groton, CT 06340	Prop.: 70 Buddington Road	169806480857 70-8
ZITO, AMANDA M.	72-1 BUDDINGTON RD, Groton, CT 06340	Prop.: 72 Buddington Road	169806480857 72-1
BECHT, RUSSELL H., II & CHRISTINE M.	72-2 BUDDINGTON RD, Groton, CT 06340	Prop.: 72 Buddington Road	169806480857 72-2
MAIN, MARK E. & FILIPIAK, KATHY BERTHA	72-3 BUDDINGTON RD, Groton, CT 06340	Prop.: 72 Buddington Road	169806480857 72-3
RUSH, HELEN D.	72-4 BUDDINGTON RD, Groton, CT 06340	Prop.: 72 Buddington Road	169806480857 72-4
DELAIN, BRENDA	72-5 BUDDINGTON RD, Groton, CT 06340	Prop.: 72 Buddington Road	169806480857 72-5

NOTICE LIST RECIPIENTS

Owner of Record	Owner's Mailing Address	Property Location	Property ID
BRUNO, VINCENT J.	72-6 BUDDINGTON RD, Groton, CT 06340	Prop.: 72 Buddington Road	169806480857 72-6
HAYES, SHEILA L. & DAUPHIN, RYAN M.	72-7 BUDDINGTON RD, Groton, CT 06340	Prop.: 72 Buddington Road	169806480857 72-7
SHI, FENGYING & GE, XIAOZHONG	72-8 BUDDINGTON RD, Groton, CT 06340	Prop.: 72 Buddington Road	169806480857 72-8
CURLEY, NITA R.	74-1 BUDDINGTON RD, Groton, CT 06340	Prop.: 74 Buddington Road	169806480857 74-1
STAMATIEN, JASON A.	74-2 BUDDINGTON RD, Groton, CT 06340	Prop.: 74 Buddington Road	169806480857 74-2
CASTRO, FRANK	74-3 BUDDINGTON RD, Groton, CT 06340	Prop.: 74 Buddington Road	169806480857 74-3
BURNBAUM, MARIAN C & THOMAS, RON	74-4 BUDDINGTON RD, Groton, CT 06340	Prop.: 74 Buddington Road	169806480857 74-4
AU, RICKY W.	65 ENSIGN DR, Mystic, CT 06355	Prop.: 74 Buddington Road	169806480857 74-5
KAISER, EVELYN M., TRUSTEE	4280 GALT OCEAN DR APT 14L, Fort Lauderdale, FL 33308	Prop.: 74 Buddington Road	169806480857 74-6
CHESTER, SANDRA L.	74-7 BUDDINGTON RD, Groton, CT 06340	Prop.: 74 Buddington Road	169806480857 74-7
HUGHES, RONALD E., JR.	74-8 BUDDINGTON RD, Groton, CT 06340	Prop.: 74 Buddington Road	169806480857 74-8
STANLEY, RYAN M.	21 JAMES AVE, Quaker Hill, CT 06375	Prop.: 76 Buddington Road	169806480857 76-1
ALBIN, THOMAS J.	211 GREENHAVEN RD, Pawcatuck, CT 06379	Prop.: 76 Buddington Road	169806480857 76-2
PERETZ, LEON L.	76-3 BUDDINGTON RD, Groton, CT 06340	Prop.: 76 Buddington Road	169806480857 76-3
DUHAIME, NANCY A. & LAROSE, ROGER JR.	76-4 BUDDINGTON RD, Groton, CT 06340	Prop.: 76 Buddington Road	169806480857 76-4
GIACOMAZZO, CHRISTOPHER	76-5 BUDDINGTON RD, Groton, CT 06340	Prop.: 76 Buddington Road	169806480857 76-5
SCHLOEMER, JUNE I. & HOWARD H. TRUSTEES	12 LAUREL HILL DR S, Niantic, CT 06357	Prop.: 76 Buddington Road	169806480857 76-6
DEUTSCHE BANK NATIONAL TRUST COMP. TRUSTEE c/o OCWEN LOAN SERVICING, LLC	1661 WORTHINGTON RD STE 100, West Palm Beach, FL 33409	Prop.: 76 Buddington Road	169806480857 76-7
GREANEY, CHRIS M. & SCHALLER, BRITTANY J.	76-8 BUDDINGTON RD, Groton, CT 06340	Prop.: 76 Buddington Road	169806480857 76-8
WALKER, JEFFREY A.	16 SHANTOK HEIGHTS, Uncasville, CT 06382	Prop.: 78 Buddington Road	169806480857 78-1
ROY, DEBORAH A.	78-2 BUDDINGTON RD, Groton, CT 06340	Prop.: 78 Buddington Road	169806480857 78-2
GOODRICH, PAULA	595 BUDDINGTON RD, Groton, CT 06340	Prop.: 78 Buddington Road	169806480857 78-3
AGUIAR, STEVEN P.	78-4 BUDDINGTON RD, Groton, CT 06340	Prop.: 78 Buddington Road	169806480857 78-4
RODRIGUEZ, YSIDRA A.	78-5 BUDDINGTON RD, Groton, CT 06340	Prop.: 78 Buddington Road	169806480857 78-5
JASTREMSKI, SUSAN L.	8 BEVERLY RD, Niantic, CT 06357	Prop.: 78 Buddington Road	169806480857 78-6
BROWN, KENNETH R. & MAUREEN B.	1691 NORWICH NEW LONDON TPKE C8, Uncasville, CT 06382	Prop.: 78 Buddington Road	169806480857 78-7
OSSWALD, ELIZABETH A.	78-8 BUDDINGTON RD, Groton, CT 06340	Prop.: 78 Buddington Road	169806480857 78-8
KOLLWITZ, JENNIFER L.	80-1 BUDDINGTON RD, Groton, CT 06340	Prop.: 80 Buddington Road	169806480857 80-1
KIELY, MARY C., TRUSTEE	3 CARLISLE LA, Niantic, CT 06357	Prop.: 80 Buddington Road	169806480857 80-2
TUMICKI, STEVEN B.	80-3 BUDDINGTON RD, Groton, CT 06340	Prop.: 80 Buddington Road	169806480857 80-3
BURNS, ANDE P.	80-4 BUDDINGTON RD, Groton, CT 06340	Prop.: 80 Buddington Road	169806480857 80-4
LINDER, GLENN S.	80-5 BUDDINGTON RD, Groton, CT 06340	Prop.: 80 Buddington Road	169806480857 80-5
SU, CHIH-WU & CHAING-PIN	329 CHESTERFIELD RD, East Lyme, CT 06333	Prop.: 80 Buddington Road	169806480857 80-6
GONTCHAROVA, NATALIA V.	80-7 BUDDINGTON RD, Groton, CT 06340	Prop.: 80 Buddington Road	169806480857 80-7
OLATUBOSUN, BRIAN K.	80-8 BUDDINGTON RD, Groton, CT 06340	Prop.: 80 Buddington Road	169806480857 80-8
CHAMPLIN, JAMES D.	82-1 BUDDINGTON RD, Groton, CT 06340	Prop.: 82 Buddington Road	169806480857 82-1
LAMB, STEPHEN R. & JOHANNA C.	82-2 BUDDINGTON RD, Groton, CT 06340	Prop.: 82 Buddington Road	169806480857 82-2
DURKEE, ANGELA M.	82-3 BUDDINGTON RD, Groton, CT 06340	Prop.: 82 Buddington Road	169806480857 82-3
MALLETT, LOUIS C., JR. & JAIME	82-4 BUDDINGTON RD, Groton, CT 06340	Prop.: 82 Buddington Road	169806480857 82-4
EINHORN, ADAM	82-5 BUDDINGTON RD, Groton, CT 06340	Prop.: 82 Buddington Road	169806480857 82-5
CONNOLLY, MARY	PO BOX 384, Groton, CT 06340	Prop.: 82 Buddington Road	169806480857 82-6
COOPER, WENDELYN D.	82 BUDDINGTON RD UNIT 7, Groton, CT 06340	Prop.: 82 Buddington Road	169806480857 82-7
CALIGIURI, CHRISTINE	163 IRON ST, Ledyard, CT 06339	Prop.: 82 Buddington Road	169806480857 82-8
WATERMAN, CAROL F. & HOLDEN T.	2919 QUAIL RUN DR, Humble, TX 77396	Prop.: 84 Buddington Road	169806480857 84-1
HIGGS, JOHN J. & CHERYL A.	970 PLAINS RD, West Kingston, RI 02892	Prop.: 84 Buddington Road	169806480857 84-2
FOLLETT, BARBARA J.	428 BOSTON POST RD, Waterford, CT 06385	Prop.: 84 Buddington Road	169806480857 84-3
HALL, ROBERT C.	662 GROTON LONG POINT RD, Groton, CT 06340	Prop.: 84 Buddington Road	169806480857 84-4
BERNAL, JOHN & JAN	84-5 BUDDINGTON RD, Groton, CT 06340	Prop.: 84 Buddington Road	169806480857 84-5
BIRCHALL, PATRICK F.	84-6 BUDDINGTON RD, Groton, CT 06430	Prop.: 84 Buddington Road	169806480857 84-6

NOTICE LIST RECIPIENTS

Owner of Record	Owner's Mailing Address	Property Location	Property ID
HOYT, TARA M. & SARA M.	26 ENSIGN DR, Mystic, CT 06355	Prop.: 84 Buddington Road	169806480857 84-7
HARNISH, NANCY J.	84-8 BUDDINGTON RD, Groton, CT 06340	Prop.: 84 Buddington Road	169806480857 84-8
BLANK, ROBERT G.	86-1 BUDDINGTON RD, Groton, CT 06340	Prop.: 86 Buddington Road	169806480857 86-1
WOLLMAN, PHYLLIS & MIRLES, NANCY	86-2 BUDDINGTON RD, Groton, CT 06340	Prop.: 86 Buddington Road	169806480857 86-2
LARRIVEE, LISA	86-3 BUDDINGTON RD, Groton, CT 06340	Prop.: 86 Buddington Road	169806480857 86-3
THOMAS, LARRY W. & ELAINE L.	86-4 BUDDINGTON RD, Groton, CT 06340	Prop.: 86 Buddington Road	169806480857 86-4
CASSIDY, PATRICK J.	86-5 BUDDINGTON RD, Groton, CT 06340	Prop.: 86 Buddington Road	169806480857 86-5
EVERED, JUNE I.	86-6 BUDDINGTON RD, Groton, CT 06340	Prop.: 86 Buddington Road	169806480857 86-6
DOLLAR, KATHERINE & CHRISTOPHER	340 WINTHROP DR, Fishers Island, CT 06390	Prop.: 86 Buddington Road	169806480857 86-7
CHEN, YUN & JI, CHANGHUA	86-8 BUDDINGTON RD, Groton, CT 06340	Prop.: 86 Buddington Road	169806480857 86-8
L & G GROUP, LLC	15203 Peach Orchard Road, Silver Spring, MD 20905	Prop.: 140 Buddington Road	169806398354
PARKWOOD HOMES, LLC	P.O. Box 151 West Mystic, CT 06388	Prop.: 0 Buddington Road	169806299877
MOREAU, DANIEL A. & ARCHAMBEAULT, CHERYL A.	173 Buddington Road, Groton, CT 06340	Prop.: 173 Buddington Road	169806395558
LEWIS, DAVID N. & KATHLEEN M.	179 Buddington Road, Groton, CT 06340	Prop.: 179 Buddington Road	169806395697
PERUZZOTTI, DEBORAH LYNN	193 Buddington Road, Groton, CT 06340	Prop.: 193 Buddington Road	169806395823
STUART, BETTE J.	P.O. Box 9232, Groton, CT 06340	Prop.: 203 Buddington Road	169806397910
BURNS, GERARD MICHAEL	225 Buddington Road, Groton, CT 06340	Prop.: 225 Buddington Road	169918307066
EASTWOOD, LLC	c/o Nicholas Furlott, P.O. Box 151 West Mystic, CT 06388	Prop.: 0 Buddington Road	169918305481
ZIMMERMAN, GAIL & TINA	301 BUDDINGTON RD LOT 55, Groton, CT 06340	Prop.: 301 Buddington Road	169918301735 M055
CHAPMAN, LEE W.	301 BUDDINGTON RD LOT 56, Groton, CT 06340	Prop.: 301 Buddington Road	169918301735 M056
VACANT	VACANT	Prop.: 301 Buddington Road	169918301735 M057
LEWIS, LARRY L.	301 BUDDINGTON RD LOT 58, Groton, CT 06340	Prop.: 301 Buddington Road	169918301735 M058
FOLEY, SHERRYL E.	301 BUDDINGTON RD LOT 59, Groton, CT 06340	Prop.: 301 Buddington Road	169918301735 M059
NUNES, PHILLIP J. (DECD)	301 BUDDINGTON RD LOT 60, Groton, CT 06340	Prop.: 301 Buddington Road	169918305481 M060
LANDRY, STEPHEN A.	301 BUDDINGTON RD LOT 61, Groton, CT 06340	Prop.: 301 Buddington Road	169918305481 M061
VACANT	VACANT	Prop.: 301 Buddington Road	169918305481 M062
HEUBERGER, PAUL	301 BUDDINGTON RD LOT 63, Groton, CT 06340	Prop.: 301 Buddington Road	169918305481 M063
JOYNER, LAURA	301 BUDDINGTON RD LOT 64, Groton, CT 06340	Prop.: 301 Buddington Road	169918305481 M064
PANCIERA, TAMMY J.	301 BUDDINGTON RD LOT 65, Groton, CT 06340	Prop.: 301 Buddington Road	169918305481 M065
VASKO, ELIZABETH A.	301 BUDDINGTON RD LOT 66, Groton, CT 06340	Prop.: 301 Buddington Road	169918305481 M066
PARKWOOD HOMES, LLC	c/o Nicholas Furlott, P.O. Box 151 West Mystic, CT 06388	Prop.: 301 Buddington Road	169918305481 M067
POST, WILLIAM H. (DECD) & LILLIAN A.	301 BUDDINGTON RD LOT 68, Groton, CT 06340	Prop.: 301 Buddington Road	169918305481 M068
DONOVAN, KATHLEEN T.	301 BUDDINGTON RD LOT 69, Groton, CT 06340	Prop.: 301 Buddington Road	169918305481 M069
SHORTMAN, HEATHER O.	301 BUDDINGTON RD LOT 70, Groton, CT 06340	Prop.: 301 Buddington Road	169918305481 M070
PICKETT, CLINT OR MARIANNE L.	301 BUDDINGTON RD LOT 71, Groton, CT 06340	Prop.: 301 Buddington Road	169918305481 M071
ROY, ROGER A. & LINDA J.	301 BUDDINGTON RD LOT 72, Groton, CT 06340	Prop.: 301 Buddington Road	169918305481 M072
BRONSON, DOROTHY L.	301 BUDDINGTON RD LOT 73, Groton, CT 06340	Prop.: 301 Buddington Road	169918305481 M073
BEENEY, KIM S.	301 BUDDINGTON RD LOT 74, Groton, CT 06340	Prop.: 301 Buddington Road	169918305481 M074
ALAPA, MARY M.	301 BUDDINGTON RD LOT 75, Groton, CT 06340	Prop.: 301 Buddington Road	169918305481 M075
LEWIS, THOMAS M.	301 BUDDINGTON RD LOT 76, Groton, CT 06340	Prop.: 301 Buddington Road	169918305481 M076
DENOBREGA, ANTHONY A. & MARYANN	285 Buddington Road, Groton, CT 06340	Prop.: 285 Buddington Road	169918307680 / labeled as 285 on map
EASTWOOD, LLC	P.O. Box 151, West Mystic, CT 06388	Prop.: 0 Buddington Road	169918305698 / labeled as 295 on map
HURD, LAURA	PO BOX 1188, Groton, CT 06340	Prop.: 301 Buddington Road	169918301735 M031
PACHECO, DAWN M. & STEPHEN J.	301 BUDDINGTON RD LOT 1, Groton, CT 06340	Prop.: 301 Buddington Road	169918301735 M001
ROLAN, REBEKAH	312 WAKEFIELD RD, Hagerstown, MD 21740	Prop.: 301 Buddington Road	169918301735 M002
LEE, WAYNE	301 BUDDINGTON RD LOT 3, Groton, CT 06340	Prop.: 301 Buddington Road	169918301735 M003
PARKWOOD HOMES, LLC	PO BOX 151, West Mystic, CT 06388	Prop.: 301 Buddington Road	169918301735 M004
ALBOT,KAREN S.	301 BUDDINGTON RD LOT 5, Groton, CT 06340	Prop.: 301 Buddington Road	169918301735 M005
MATHEWS, KYLE	301 BUDDINGTON RD LOT 6, Groton, CT 06340	Prop.: 301 Buddington Road	169918301735 M006

NOTICE LIST RECIPIENTS

Owner of Record	Owner's Mailing Address	Property Location	Property ID
PEPAS, STEPHANIE	301 BUDDINGTON RD LOT 6A, Groton, CT 06340	Prop.: 301 Buddington Road	169918301735 M601
PARKWOOD HOMES, LLC	PO BOX 151, West Mystic, CT 06388	Prop.: 301 Buddington Road	169918301735 M007
RATHBUN, TERRY R., SR.	301 BUDDINGTON RD LOT 8, Groton, CT 06340	Prop.: 301 Buddington Road	169918301735 M008
STILLWELL, DAVID	301 BUDDINGTON RD LOT 9, Groton, CT 06340	Prop.: 301 Buddington Road	169918301735 M009
REAGAN, KEVIN & GRASMICK GEER, DONNA	301 BUDDINGTON RD LOT 45, Groton, CT 06340	Prop.: 301 Buddington Road	169918301735 M045
FINNEGAN, GARRY & JUDY	301 BUDDINGTON RD LOT 46, Groton, CT 06340	Prop.: 301 Buddington Road	169918301735 M046
TRAYLOR, ROBERT L.	301 BUDDINGTON RD LOT 47, Groton, CT 06340	Prop.: 301 Buddington Road	169918301735 M047
PARKWOOD HOMES, LLC	PO BOX 151, West Mystic, CT 06388	Prop.: 301 Buddington Road	169918301735 M048
COFFEY, DOROTHY (DECD)	PO BOX 624, New York, NY 10150	Prop.: 301 Buddington Road	169918301735 M049
LESSARD, DONNA A.	301 BUDDINGTON RD LOT 50, Groton, CT 06340	Prop.: 301 Buddington Road	169918301735 M050
MARTELL, ROBERT L	301 BUDDINGTON RD LOT 51, Groton, CT 06340	Prop.: 301 Buddington Road	169918301735 M051
KENYON, DANIEL WILLIAM	301 BUDDINGTON RD LOT 52, Groton, CT 06340	Prop.: 301 Buddington Road	169918301735 M052
NICHOLS, EDWARD G.	301 BUDDINGTON RD LOT 53, Groton, CT 06340	Prop.: 301 Buddington Road	169918301735 M053
BLACKBURN, GORDON W.	PO BOX 367, Groton, CT 06340	Prop.: 301 Buddington Road	169918301735 M054
MITCHELL, PATRICIA A.	301 BUDDINGTON RD LOT 44, Groton, CT 06340	Prop.: 301 Buddington Road	169918301735 M044
BARNUM, GRACE L.	301 BUDDINGTON RD LOT 43, Groton, CT 06340	Prop.: 301 Buddington Road	169918301735 M043
CHAPMAN, MARY	301 BUDDINGTON RD LOT 42, Groton, CT 06340	Prop.: 301 Buddington Road	169918301735 M042
CONNOLLY, WILLIAM	301 BUDDINGTON RD LOT 41, Groton, CT 06340	Prop.: 301 Buddington Road	169918301735 M041
BRISTOL, BRIAN & MARILYN & SHAWN	24 PHEASANT DR, Middletown, CT 06457	Prop.: 301 Buddington Road	169918301735 M040
KENNAUGH, DONALD	301 BUDDINGTON RD LOT 39, Groton, CT 06340	Prop.: 301 Buddington Road	169918301735 M039
DUPONT, CATHERINE E.	301 BUDDINGTON RD LOT 38, Groton, CT 06340	Prop.: 301 Buddington Road	169918301735 M038
ANTHONY, VICKIE M.	334 HOLYOKE LN, Chesapeake, VA 23320	Prop.: 301 Buddington Road	169918301735 M037
VAILL, NANCY M.	301 BUDDINGTON RD LOT 36, Groton, CT 06340	Prop.: 301 Buddington Road	169918301735 M036
WHITE, MARY E.	301 BUDDINGTON RD LOT 13, Groton, CT 06340	Prop.: 301 Buddington Road	169918301735 M013
CAMPOS, FAUSTO	301 BUDDINGTON RD LOT 14, Groton, CT 06340	Prop.: 301 Buddington Road	169918301735 M014
BATON, LEWIS R., SR. & SHIRLEY M.	301 BUDDINGTON RD LOT 15, Groton, CT 06340	Prop.: 301 Buddington Road	169918301735 M015
CHAPMAN, SHELLEY A.	301 BUDDINGTON RD LOT 15A, Groton, CT 06340	Prop.: 301 Buddington Road	169918301735 M151 / labeled as #151 on map
IRVING, ALFRED	301 BUDDINGTON RD LOT 35, Groton, CT 06340	Prop.: 301 Buddington Road	169918301735 M035
HOPKINS, ANDREW W.	301 BUDDINGTON RD LOT 34, Groton, CT 06340	Prop.: 301 Buddington Road	169918301735 M034
JOHNSON, DEXTER A.	301 BUDDINGTON RD LOT 33, Groton, CT 06340	Prop.: 301 Buddington Road	169918301735 M033
ELLIS, JEAN	301 BUDDINGTON RD LOT 32, Groton, CT 06340	Prop.: 301 Buddington Road	169918301735 M032
KRUEGER, KATHRYN A.	301 BUDDINGTON RD LOT 16A, Groton, CT 06340	Prop.: 301 Buddington Road	169918301735 M161 / labeled as #32 on map
PERRY, MICHAEL & SUSAN	301 BUDDINGTON RD LOT 16, Groton, CT 06340	Prop.: 301 Buddington Road	169918301735 M016
GO, JACOB R. & JAMES W. & KNOWLES, HANNAH M.	101 CONNECTICUT BLVD, Oakdale, CT 06370	Prop.: 301 Buddington Road	169918301735 M017
MORSE, MICHAEL J.	301 BUDDINGTON RD LOT 18, Groton, CT 06340	Prop.: 301 Buddington Road	169918301735 M018
PARKWOOD HOMES, LLC	PO BOX 151, West Mystic, CT 06388	Prop.: 301 Buddington Road	169918301735 M019
SKINNER, SCOTT	301 BUDDINGTON RD LOT 20, Groton, CT 06340	Prop.: 301 Buddington Road	169918301735 M020
CHACE, JUDITH A.	301 BUDDINGTON RD LOT 21, Groton, CT 06340	Prop.: 301 Buddington Road	169918301735 M021
STANOWICZ, GARY N.	301 BUDDINGTON RD LOT 22, Groton, CT 06340	Prop.: 301 Buddington Road	169918301735 M022
SCHOENWETTER, JAMES C. & HOPE A.	301 BUDDINGTON RD LOT 23, Groton, CT 06340	Prop.: 301 Buddington Road	169918301735 M023
CUNNINGHAM, PATRICIA, ET AL.	21 BERKELEY AVE, New London, CT 06320	Prop.: 301 Buddington Road	169918301735 M024
PARWOOD HOMES, LLC	153 NEPTUNE DR, Groton, CT 06340	Prop.: 301 Buddington Road	169918301735 M025
GRUDZINSKI, RICHARD	301 BUDDINGTON RD LOT 26, Groton, CT 06340	Prop.: 301 Buddington Road	169918301735 M026
KITCHENS, JOHN T.	301 BUDDINGTON RD LOT 27, Groton, CT 06340	Prop.: 301 Buddington Road	169918301735 M027
ARICO, JAMES A.	301 BUDDINGTON RD LOT 28, Groton, CT 06340	Prop.: 301 Buddington Road	169918301735 M028
BROMLEY, SINA A.	PO BOX 680, Groton, CT 06340	Prop.: 301 Buddington Road	169918301735 M029
FRANK, MARIANNA	301 BUDDINGTON RD LOT 30, Groton, CT 06340	Prop.: 301 Buddington Road	169918301735 M030
EASTWOOD, LLC	PO BOX 151, West Mystic, CT 06388	Prop.: 301 Buddington Road	169918301735 / labeled as 295 on map

NOTICE LIST RECIPIENTS

Owner of Record	Owner's Mailing Address	Property Location	Property ID
Winterfell Windham Falls (CT) Owner, LLC	399 Park Avenue, 18th Floor, New York, NY 10022	Prop.: 425 Drozdyk Drive	169918312741
HODGES, FRANKLIN E. & LYNN S.	327 Buddington Road, Groton, CT 06340	Prop.: 333 Buddington Road	169918317110
RICKARD, CLARENCE D. & MARYJANE	341 Buddington Road, Groton, CT 06340	Prop.: 341 Buddington Road	169918317210
AMIN, JITENDRA K. & JYOTI J.	351 Buddington Road, Groton, CT 06340	Prop.: 351 Buddington Road	169918317331
WRIGHT, DAVID T.	359 Buddington Road, Groton, CT 06340	Prop.: 359 Buddington Road	169918316463
BATCHELDER, DAVID & LYNNE	373 Buddington Road, Groton, CT 06340	Prop.: 373 Buddington Road	169918317504
RAVENELLE, RICHARD H. & NORMA S.	395 Buddington Road, Groton, CT 06340	Prop.: 395 Buddington Road	169918317754
BEERS, ROBERT N. JR. & YOLANDA D.	385 Buddington Road, Groton, CT 06340	Prop.: 385 Buddington Road	169918318634
SNELL, PAUL A. III & AMY K.	409 Buddington Road, Groton, CT 06340	Prop.: 409 Buddington Road	169918318863
GEER, RICHARD A. & SAVANAH C.	429 Buddington Road, Groton, CT 06340	Prop.: 429 Buddington Road	169918328091
COLLINS, JAMES M.	449 Buddington Road, Groton, CT 06340	Prop.: 449 Buddington Road	169918329256
STATE OF CONNECTICUT	I-95 (DOT?)	Prop.: 0 Buddington Road	169918420319 E
PORTILLO, GLORIA D.	543 Buddington Road, Groton, CT 06340	Prop.: 543 Buddington Road	1699143525897
CITY OF GROTON	P.O. Box 820, Groton, CT 06340	Prop.: 18 North Road	169911558390 E

LOCAL/STATE OFFICIALS NOTICE

PHILIP M. SMALL
direct dial: (860) 509-6575
psmall@brownrudnick.com

185 Asylum
Street
Hartford
Connecticut
06103
tel 860.509.6500
fax 860.509.6501

October 8, 2015

VIA FIRST CLASS MAIL

Service List Recipients

RE: SolarCity Corp.'s Petition to the Connecticut Siting Council for Declaratory Ruling

Dear Sir/Madam:

Pursuant to Section 16-50j-40 of the Connecticut Siting Council's (the "Council") regulations, we are notifying you that SolarCity Corporation intends to file on or shortly after October 8, 2015, a Petition for Declaratory Ruling with the Council. The petition will request the Council's approval of the location and construction of an approximately 4.05 megawatt ("MW") solar-based electric generating facility (the "Facility"). The Facility will be located on municipally-owned land at 1240 Poquonnock Road, Groton, Connecticut (the "Site"). Groton's water treatment plant infrastructure, an electrical substation and transmission lines are currently located at the Site. The Facility will be a "grid-side distributed resources" facility (as defined in Connecticut General Statute Section 16-1(a)(37)), under 65 megawatts ("MW") that complies with the air and water quality standards of the Connecticut Department of Energy and Environmental Protection ("DEEP") and will have no adverse environmental effect in the State of Connecticut. Electricity generated by the Facility will be exported to the electric grid.

If you have any questions regarding the proposed Facility, please contact any of the following:

Elie Schecter
SolarCity Corporation
203 Ridgewood Drive
Elmsford, NY 10523
Telephone: (914) 924-6450
Fax: (914) 592-2189
Email: eschecter@solarcity.com

Philip M. Small, Esq.
Brown Rudnick LLP
185 Asylum Street, 38th Floor
Hartford, CT 06103
Tel: (860) 509-6575
Fax: (860) 509-6501
E-mail:psmall@brownrudnick.com

Connecticut Siting Council
Ten Franklin Square
New Britain, CT 06051
Tel: (860) 827-2935
Fax: (860) 827-2950
E-mail: siting.council@ct.gov

Sincerely,

BROWN RUDNICK LLP

Philip M. Small

62042682

SERVICE LIST

MUNICIPAL OFFICIAL/AGENCY	*NAME/ADDRESS*
Town of Groton Chief Elected Officer Energy Efficiency & Conservation Commission (Chairman)	Rita M. Schmidt, Mayor Town of Groton 45 Fort Hill Road Groton, CT 06340
Town of Groton Planning Commission Regional Planning Commission	Jeffrey C. Pritchard, Acting Chairman Planning Commission Town of Groton 134 Groton Long Point Road Groton, CT 06340 [also Member of Regional Planning Commission, (Southeast CT Council of Governments]
Town of Groton Conservation Commission	Brae Rafferty, Chairman Conservation Commission Town of Groton 134 Groton Long Point Road Groton, CT 06340
Town of Groton Inland Wetlands Agency	David Scott, Chairman Inland Wetlands Agency Town of Groton 134 Groton Long Point Road Groton, CT 06340
Town of Groton Zoning Commission	Susan K. Sutherland, Chairman Zoning Commission Town of Groton 134 Groton Long Point Road Groton, CT 06340
Town of Groton Director of Planning	Jonathan J. Reiner, Director of Planning Town of Groton 134 Groton Long Point Road Groton, CT 06340

MUNICIPAL OFFICIAL/AGENCY	*NAME/ADDRESS*
Town of Groton Regional Planning Agency	James Sherrard, Member Regional Planning Commission Southeastern CT Council of Governments 66 Algonquin Drive Mystic, CT 06355
City of Groton Chief Elected Official	Marian K. Galbraith, Mayor City of Groton 295 Meridian Street Groton, CT 06340
City of Groton Conservation Commission	Richard Palmieri, Chairman City of Groton 295 Meridian Street Groton, CT 06340
City of Groton Planning & Zoning Commission	David Rose, Chairman City of Groton 295 Meridian Street Groton, CT 06340
City of Groton City Planner	Barbara Goodrich, City Planner City of Groton 295 Meridian Street Groton, CT 06340
City of Groton Regional Planning Authority	David Rose, Member Regional Planning Commission Southeastern CT Council of Governments 75 Baker Avenue Groton, CT 06340
State Senator – 18th District	Andrew Maynard, State Senator Legislative Office Building, Room 3000 300 Capitol Avenue Hartford, CT 06106
State Representative – 40th District	John F. Scott, IV, State Representative Legislative Office Building, Room 4200 300 Capitol Avenue Hartford, CT 06106

MUNICIPAL OFFICIAL/AGENCY	*NAME/ADDRESS*
State Representative – 41st District	Aundre Bumgardner, State Representative Legislative Office Building, Room 4200 300 Capitol Avenue Hartford, CT 06106
Connecticut Attorney General	George Jepsen, Attorney General Office of the Attorney General 55 Elm Street Hartford, CT 06106
State Department of Energy and Environmental Protection	Rob Klee, Commissioner Department of Energy and Environmental Protection 79 Elm Street Hartford, CT 06106-5127
State Public Utilities Regulatory Authority	Arthur House, Chairman Public Utilities Regulatory Authority Department of Energy and Environmental Protection 10 Franklin Square New Britain, CT 06051
State Department of Public Health	Dr. Jewel Mullen, Commissioner Department of Public Health 410 Capitol Avenue P.O. Box 340308 Hartford, CT 06134
State Council on Environmental Quality	Susan D. Merrow, Chair Council on Environmental Quality 79 Elm Street Hartford, CT 06106
State Department of Agriculture	Steven K. Reviczky, Commissioner Department of Agriculture 165 Capitol Avenue Hartford, CT 06106
Office of Policy & Management	Benjamin Barnes, Secretary Office of Policy and Management 450 Capitol Avenue Hartford, CT 06106

MUNICIPAL OFFICIAL/AGENCY	*NAME/ADDRESS*
State Department of Economic & Community Development	Catherine Smith, Commissioner Department of Economic and Community Development 505 Hudson Street Hartford, CT 06106
State Department of Transportation	James P. Redeker, Commissioner Department of Transportation 2800 Berlin Turnpike Newington, CT 06111
Any Federal Agencies with Jurisdiction Over the Site	None