

Photo WB-1Be: Wetland B/1B; outlet stream near property boundary; facing southeasterly



Photo WB-1Bf. Wetland B/1B; man-made pond; southern section; facing northeasterly



Photo WB-1Bg: Wetland B/1B; southern section; infestation of multiflora rose and Japanese barberry; facing northeasterly



Photo WB2a: Wetland B-2; southern section and intermittent watercourse; facing northeasterly



Photo WB2b: Wetland B-2; at northeastern corner of northern portion of project area; facing westerly



Photo WCa: Wetland C; wetland boundary; proposed solar array field behind viewer; facing southerly



Photo WEb: Wetland E; April 2017; eastern edge; facing northwesterly



Photo WEc: Wetland E; old quarry haul road; culverted crossing of wetland corridor; facing westerly



Photo WC2a: Wetland C-2; within old roadway bed of Providence-New London Turnpike; facing northwesterly



Photo WEa: Wetland E; southern portion just northerly of old quarry limits; facing southeasterly



Photo WEd: Wetland E; April 2017; wetland corridor below (downstream) of wetland crossing seen in previous photo; facing southerly



Photo WEe: Wetland E; central portion as seen from hillside to east; facing northwesterly



Photo WEf: Wetland E; April 2020; intermittent stream through wetland



Photo WEg: Wetland E; intermittent stream near eastern property boundary; facing southwesterly



Photo WFa: Wetland F; April 2017; straddles an old access roadway; receives seepage from hillside to east (left); facing southerly



Photo WFb: Wetland F; scrub shrub cover type; adjacent to Upland Cover Type 16 dominated by autumn olive; facing southwesterly



Photo WGa: Wetland G; April 2017; also see photos for Vernal Pool G; facing southwesterly



Photo WH1a: Wetland H-1; wetland located at the upper (northern) edge of old quarry operation; wetland crosses haul road; facing northerly



Photo WH1b: Wetland H-1; April 2017; facing easterly



Photo Wla: Wetland I; lower portion south of Vernal Pool I; facing northerly

North Stonington Solar, North Stonington, CT Photos taken April 2017 through December 2020, by REMA Ecological Services, LLC



Photo WKa: Wetland K; April 2017; scrub shrub wetland (sapling); facing northwesterly



Photo WKb: Wetland K; upper seasonally flooded section; facing northerly



Photo WMa: Wetland M; April 2017; scrub shrub wetland (sapling); facing southwesterly



Photo WMb: Wetland M; upper seasonally flooded section; facing easterly

Attachment C

Soil Investigations/Mapping (Upland – Solar Array Fields)

MEMORANDUM

To: George T. Logan, Rema Ecological Services, LLC

From: Bill Jackson

Date: August 15, 2020 [February 15, 2021 – Revised]

Subject: Spade & Auger Test Holes to Determine Soil Drainage Class

North Stonington, CT Solar Project

Introduction

The project area for proposed ground-mounted solar arrays is predominately underlain by soils derived from glacial till parent materials. The Web Soil Survey¹ shows the glacial till uplands having well-drained and moderately-well-drained soils identified by the following soil map units: Canton and Charlton fine sandy loams, 0 to 8 percent slopes, very stony (61B); Canton and Charlton fine sandy loams, 8 to 15 percent slopes, very stony (61C); Paxton and Montauk fine sandy loams, 3 to 8 percent slopes, very stony (85B); Paxton and Montauk fine sandy loams, 3 to 15 percent slopes, extremely stony (86C); and, Sutton fine sandy loam, 0 to 8 percent slopes, very stony (51B). The Canton, Charlton and Sutton series are derived from ablation till. The Paxton and Montauk soil series are derived from glacial lodgment till and commonly exhibit a dense substratum. Spade & auger test holes were performed on the subject properties on July 6, 7, 8 and 13, 2020 to describe soil profiles and assign soil drainage classifications. The purpose of the investigation was to distinguish between well-drained and moderately-well-drained soils on the landscape. The test holes were identified in the field by pink flagging and the approximate locations shown on the project drawings. Soil profile descriptions for the test holes are included within a set of typed Soil Investigation Field Notes.

The following definition of moderately-well-drained soil was referenced:

Moderately-well-drained soils have a udic moisture regime and, between a depth of 16 to 40 inches below the soil surface, have one of the following: redoximorphic features:

- 1. redoximorphic features: that are common to many, distinct or prominent, and that are chroma 3 or less.
- 2. a matrix chroma of 3 or less and mottles that are common to many, distinct or prominent, regardless of their chroma.²

The glacial till uplands within the subject parcels were identified as ablation till; the soil profiles did not exhibit shallow depths to dense lodgment till and/or bedrock.

1. Southwestern Section of Project Area

This section is located south of the Providence-New London Tpk. (Route 184) and west-southwest of the dog kennel property (Creature Comforts Inn, LLC). Six test holes (TH-1 through TH-6) were conducted in areas identified by the Web Soil Survey as well-drained Canton and Charlton fine sandy loam. The soil profile for Test Hole TH-3 was classified as well-drained. The soil profiles for Test Holes TH-1, TH-2, TH-4 and TH-6 were classified as moderately-well-drained Sutton fine sandy loam. Test Hole TH-5 did not extend beyond 25-

¹ The Web Soil Survey, USDA, Natural Resources Conservation Service. http://websoilsurvey.nrcs.usda.gov

² Guidelines for Soil Drainage Class Determination in New England http://nesoil.com/properties/drainageclasses.htm

inches below surface grade. The land is described as mixed evergreen-deciduous woodlands. The following dominant vegetation was recorded:

TH-1 Woodlands ground cover: White pine, Low-bush blueberry. Sapling: White pine, White oak. Trees: White oak, Red oak, White pine, Grey birch.

TH-2/TH-3 Woodlands ground cover, 0-24": White pine, Low-bush blueberry Saplings & Trees: Pin oak, Sweet birch.

TH-4 Woodlands ground cover: Canada mayflower, vines, White pine. Trees: White pine (12-20"), Red maple (4-8")

TH-5 Woodlands ground cover: Low-bush blueberry, White pine, Marginal woodfern, Sassafras, unknown grass. Trees: White pine, White oak

TH-6 Woodlands ground cover: Low-bush blueberry, Sweet birch. Shrubs: White pine. Saplings: American beech, Red maple. Trees: Sweet birch (6-8"), White pine (6-12"), Red oak (12")

2. Central Section of Project Area

This section is located south of the Providence-New London Tpk. (Route 184) and immediately east of the dog kennel property. Two test holes (TH-7 and TH-8) were conducted in areas mapped as Canton and Charlton fine sandy loam, very stony. Test hole TH-7 was completed to 35-inches below surface grade. The soil boring exhibited well-drained soil conditions. The soil drainage class within TH-8 was not determined; however, its position on the landscape suggests moderately-well-drained conditions. The following dominant vegetation was recorded:

TH-7 Woodlands ground cover: Canada mayflower, Maple-leaf viburnum. Shrubs: White pine, Sweet birch, American bittersweet.

TH-8 Woodlands ground cover: unknown grass, Low-bush blueberry, Marginal fern, Maple-leaf viburnum. Shrubs: Burning bush. Trees: Sweet birch (6-8"), Pin oak (20"), Red oak (20").

3. Southeastern Section of Project Area

This section is located south of the Providence-New London Tpk. (Route 184) and was accessed via Boom Bridge Road. Five test holes (TH-9 through TH-13) were conducted in areas mapped as Paxton and Montauk fine sandy loam; however, dense lodgement till parent materials were not encountered in the test holes. The soil parent material was apparently very-stony ablation till. Well-drained Soil conditions were encountered in Test Holes Test Holes TH-9, TH-11 and TH-12. Soil drainage classes within Test Holes TH-10 and TH-13 were not determined. The following dominant vegetation was recorded:

TH-9 Woodlands ground cover: Lady fern, Maple-leaf viburnum, Spotted wintergreen. Shrubs: American beech, Buckthorn. Trees: Sweet birch, White pine, Red oak.

TH-10 Woodlands ground cover: pine needles. Trees: Sweet birch (4-8"), White oak (8"), Eastern hemlock (20").

TH-11 Woodlands ground cover: Canada mayflower, Low-bush blueberry. Shrubs: American beech, Sassafras, Buckthorn. Trees: Red maple (4"), Black oak.

TH-12 Woodlands ground cover: Maple-leaf viburnum, Canada mayflower, Sassafras, Scrub oak. Shrubs: American elm, American beech, White pine. Saplings: Red maple, Shagbark hickory. Trees: Red maple.

TH-13 Woodlands ground cover: Canada mayflower, Lady fern. Shrubs: American beech, Red maple. Sapling: Red Maple. Trees: American beech (12").

4. Northwestern Section of Project Area

This section is located north of the Providence-New London Tpk. (Route 184) and in the northwestern extent of the project area. Three test holes (TH-14 through TH-16) were conducted in areas identified by the Web Soil Survey as Canton and Charlton fine sandy loam, very stony. The soil profiles within the test holes were classified as moderately-well-drained Sutton fine sandy loam. The following dominant vegetation was recorded:

TH-14 Woodlands ground cover: Canada mayflower, Low-bush blueberry, Maple-leaf viburnum, NewYork fern, Spotted wintergreen. Sapling: Ironwood, White pine, Sweet birch.

TH-15 Woodlands ground cover: Canada mayflower, Low-bush blueberry, Lady fern, White pine. Saplings: Ironwood, Hickory, Red maple. Trees: Shagbark hickory, White oak, Sweet birch.

TH-16 Woodlands ground cover: Canada mayflower, White pine. Sapling: Hickory. Trees: Shagbark hickory, Red oak, Sweet birch, White pine.

5. Northeastern Section of Project Area

This section is located north of the Providence-New London Tpk. (Route 184) and within the northeastern extent of the project area. Two test holes (TH-17 and TH-18) were conducted in areas mapped as Canton and Charlton fine sandy loam, very stony. The soil profile within test hole TH-17 was classified as well-drained. Test hole TH-18 was located within a historical east-west orientated roadway that was cut into the landscape. The soil profile within Test Hole TH-18 was classified as moderately-well-drained. The following dominant vegetation was recorded:

TH-17 Woodlands ground cover: Canada mayflower. Shrubs: Burning bush. Sapling: Hickory. Trees: White oak (24"), Sweet birch (6"), White pine (4").

TH-18 Woodlands ground cover: Canada mayflower, Christmas fern. Shrub: Spicebush. Sapling: Hickory. Tree: Sweet birch.

REMA ECOLOGICAL SERVICES

SPADE & AUGER TEST HOLE#: TH-1

Field Investigation performed by W. A. Jackson

JOB NO.	CLIENT:
16-1958-NST3	Silicon Ranch Corporation
SITE LOCATION: N	lorth Stonington Solar Project
	SW Project Area, approx. 220-feet ease of SW PC along stone wall, offset 20-feet north

DATE: July 6, 2020	TIME: 14:00	WEATHER: Clear, Sunny, 80s F		
LAND USE: Forested Land	LANDFORM: Glacial Till Uplands	SLOPE: 0 to 8%		
SOIL MAP UNIT: Sutton fine sandy loam		DEPTH TO GRNDWTR: N/A		
SOIL DRAINAGE CLASS: Moderately Well Drained	DEPTH TO BEDROCK: N/A			
PARENT MATERIAL: Glacial Till (Ablation Till)		DEPTH TO COMPACT SOIL: N/A		

				SOIL PROFILE DESCRIPTION								
				MATRIX	SOIL REDOX							
SOIL	DEPTH			COLOR,	COLORS,		CONSISTENCY					
HORIZON	(IN.)	BOUNDARY	SOIL TEXTURE	MOIST	MOIST	STRUCTURE	DRY/MOIST/WET	% STONE	NOTES			
Oi	2 - 0	abrupt	organic, fibric	5YR 3/5			friable	0%	many roots			
A/E	0 - 2	abrupt	sandy loam	7.5YR 3/1			friable	0%	zone of eluviation			
Α	2 - 5	gradual	fine sandy loam	7.5YR 3/4			friable	10%	common to many roots			
Bw1	5 - 12	gradual	fine sandy loam	10YR 4/4		m. subang blky	friable	10%	few roots			
Bw2	12 - 32	gradual	fine sandy loam	10YR 5/4		m. subang blky	friable	10 - 20%	no roots			
Bw3	32 - 36	gradual	loamy sand	10YR 6/4	10YR 6/1		friable	20% +	Redox: c,c,d. no roots			
С	36 - 37	N/A	sand	10YR 6/1	!0YR 6/6		friable	N/R	Redox: f,f,p.			

Hand Auger Refusal: 37-inches

NOTE: N/A = Not Applicable

N/R = Not Recorded

"- -" = Not Observed

REMA ECOLOGICAL SERVICES

Field Investigation performed by W. A. Jackson

SPADE & AUGER TEST HOLE#: TH-2

JOB NO.

CLIENT:

Silicon Ranch Corporation

16-1958-NST3 SITE LOCATION: North

SITE LOCATION: North Stonington Solar Project

SW Project Area, swale, approx. 100-feet N of Proposed Stormwater Basin

DATE: July 6, 2020	TIME: 15:30	WEATHER: Clear, Sunny, 80s F						
LAND USE: Forested Land	LANDFORM: Glacial Till Uplands	SLOPE: 0 to 8%						
SOIL MAP UNIT: Sutton fine sandy loam	DEPTH TO GRNDWTR: N/A							
SOIL DRAINAGE CLASS: Moderately Well Draine	d	DEPTH TO BEDROCK: N/A						
PARENT MATERIAL: Glacial Till (Ablation Till)		DEPTH TO COMPACT SOIL: N/A						
	SOIL PROFILE DESCRIPTION							
DEDTU	MATRIX SOIL REDOX							

				SOIL PROFILE DESCRIPTION								
SOIL HORIZON	DEPTH (IN.)	BOUNDARY	SOIL TEXTURE	MATRIX COLOR, MOIST	SOIL REDOX COLORS, MOIST	STRUCTURE	CONSISTENCY DRY/ <u>MOIST</u> /WET	% STONE	NOTES			
Oi	2 - 0	abrupt	organic, fibric				friable	0%	many roots			
А	0 - 4	abrupt	fine sandy loam	7.5YR 3/2			friable	0%	many roots			
Bw1	4 - 16	gradual	fine sandy loam	7.5YR 4/3		m. subang blky	friable	10%	common to few roots			
Bw2	16 - 27	gradual	fine sandy loam	10YR 5/4		m. subang blky	friable	10 - 20%	no roots			
Bw3	27 - 30		fine sandy loam	10YR 5/4	10YR 6/2		friable	20% +	Redox: f,m,d. No roots			
					10YR 4/3				Redox: f,m,d.			
Bw4	30 - 35		fine sandy loam	10YR 5/3	10YR 6/1		friable	20% +	Redox: c,m,d.			
					7.5YR 5/8				Redox: c,f,p.			

NOTE: N/A = Not Applicable

REMA ECOLOGICAL SERVICES

SPADE & AUGER

TEST HOLE#: TH-3

JOB NO. CLIENT:

Field Investigation performed by W. A. Jackson

JOB NO. CLIENT:
16-1958-NST3 Silicon Ranch Corporation
SITE LOCATION: North Stonington Solar Project

SW Project Area, swale, approx. 60-feet N of TH-2

DATE: July 6, 2020	TIME: 16:15	WEATHER: Clear, Sunny, 80s F
LAND USE: Forested Land	LANDFORM: Glacial Till Uplands	SLOPE: 0 to 8%
SOIL MAP UNIT: Canton and Charlton fine sandy loa	m	DEPTH TO GRNDWTR: N/A
SOIL DRAINAGE CLASS: Well Drained		DEPTH TO BEDROCK: N/A
PARENT MATERIAL: Glacial Till (Ablation Till)		DEPTH TO COMPACT SOIL: N/A

				SOIL PROFILE DESCRIPTION								
SOIL HORIZON	DEPTH (IN.)	BOUNDARY	SOIL TEXTURE	MATRIX COLOR, MOIST	SOIL REDOX COLORS, MOIST	STRUCTURE	CONSISTENCY DRY/ <u>MOIST</u> /WET	% STONE	NOTES			
Oi	2 - 0	abrupt	organic, fibric				friable	0%	many roots			
Α	0 - 3	gradual	fine sandy loam	7.5YR 3/3			friable	0%	many roots			
Bw1	3 - 18	gradual	fine sandy loam	7.5YR 4/4		m. subang blky	friable	10%	common to few roots			
Bw2	18 - 33	gradual	fine sandy loam	10YR 5/4		m. subang blky	friable	10 - 20%	no roots			
Bw3	33 - 36	clear	fine sandy loam	10YR 5/3	10YR 6/2		friable	20% +	Redox: f,m,f. No roots			
					10YR 4/3				Redox: f,m,f.			

NOTE: N/A = Not Applicable

REMA ECOLOGICAL SERVICES

SPADE & AUGER
TEST HOLE#: TH-4

2 - 12

12 - 16

16 - 27

Bw1

Bw2

Bw3

Field Investigation performed by W. A. Jackson

JOB NO.	OB NO. CLIENT:										
16-1958	16-1958-NST3 Silicon Ranch Corporation										
SITE LOCA	SITE LOCATION: North Stonington Solar Project										
	Western Project Area, approx. 240-feet west of property line with Kennel (Creature Comforts Inn, LLC)										
DATE: July	7, 2020			TIME: 10:00					WEATHER: Clear, Sunny, 80s F		
LAND USE:	Forested I	₋and		LANDFORM: C	Blacial Till Uplands				SLOPE: 0 to 8%		
SOIL MAP U	JNIT: Sutto	on fine sand	y loam						DEPTH TO GRNDWTR: N/A		
SOIL DRAIN	NAGE CLA	SS: Modera	ately Well Drained						DEPTH TO BEDROCK: N/A		
PARENT MA	ATERIAL:	Glacial Till	(Ablation Till)						DEPTH TO COMPACT SOIL: N/A		
						SOIL PROFIL	LE DESCRIPTIO	N			
SOIL HORIZON	DEPTH (IN.)	BOUNDARY	SOIL TEXTURE	MATRIX COLOR, MOIST	SOIL REDOX COLORS, MOIST	STRUCTURE	CONSISTENCY DRY/MOIST/WET	% STONE	NOTES		
Oi	1.5 - 0	abrupt	organic, fibric				friable		many roots		
Α	0 - 2	abrupt	fine sandy loam	10YR 3/2		-	friable	0%	common roots		

m. subang blky

m. subang blky

friable

friable

friable

10%

10 - 20%

20% +

few roots

Redox: f,m,p.

Redox: m,c,d. No roots

no roots

NOTE: N/A = Not ApplicableN/R = Not Recorded

"- -" = Not Observed

gradual fine sandy loam

fine sandy loam

fine sandy loam

10YR 4/3

2.5Y 6/4

2.5Y 6/3

- -

- -

5Y 6/1

10YR 6/6

REMA ECOLOGICAL SERVICES

Field Investigation performed by W. A. Jackson

TEST HOLE#: TH-5

JOB NO. CLIENT:
16-1958-NST3 Silicon Ranch Corporation

SITE LOCATION: North Stonington Solar Project

Western Project Area, near topographic high, W-SW of SW PC for Kennel (Creature Comforts Inn, LLC)

DATE: July 7, 2020	TIME: 11:00	WEATHER: Clear, Sunny, 80s F
LAND USE: Forested Land	LANDFORM: Glacial Till Uplands	SLOPE: 0 to 8%
SOIL MAP UNIT: Not Determined	DEPTH TO GRNDWTR: N/A	
SOIL DRAINAGE CLASS: Not Determined	DEPTH TO BEDROCK: N/A	
PARENT MATERIAL: Glacial Till (Ablation	DEPTH TO COMPACT SOIL: N/A	

				SOIL PROFILE DESCRIPTION								
SOIL HORIZON	DEPTH (IN.)	BOUNDARY	SOIL TEXTURE	MATRIX COLOR, MOIST	SOIL REDOX COLORS, MOIST	STRUCTURE	CONSISTENCY DRY/ <u>MOIST</u> /WET	% STONE	NOTES			
Oi	2 - 0	abrupt	organic, fibric					0%	many roots			
А	0 - 3	abrupt	fine sandy loam	10YR 3/2			friable	0%	common roots			
Bw1	3 - 22	gradual	fine sandy loam	10YR 5/6		m. subang blky	friable	5%	few roots			
Bw2	22 - 25		loamy sand	10YR 6/4		m. subang blky	friable	5 - 10%	no roots, gravelly loamy sand			

Hand Auger Refusal: 25-inches

NOTE: N/A = Not Applicable

REMA ECOLOGICAL SERVICES

SPADE & AUGER TEST HOLE#: TH-6

OI ADE WA	ADE & AGOEK											
TEST HOLE	EST HOLE#: TH-6 Field Investigation performed by W. A. Jackson											
JOB NO.		CLIENT:						_				
16-1958	3-NST3		Silicon Ranch C	Corporation								
SITE LOCA	SITE LOCATION: North Stonington Solar Project											
	Western Project Area, approx. 200-feet south of SW PC for Kennel (Creature Comforts Inn, LLC)											
	vvesterri roject Area, approx. 200 reet south or ever orion terminal (oreature comments min, elec)											
DATE: July	7, 2020			TIME: 12:00					WEATHER: Clear, Sunny, 80s F			
LAND USE:	Forested L	_and		LANDFORM: G	lacial Till Uplands	}			SLOPE: 0 to 8%			
SOIL MAP U	JNIT: Sutto	n fine sand	ly loam		·				DEPTH TO GRNDWTR: N/A			
			ately Well Drained						DEPTH TO BEDROCK: N/A			
PARENT MA	ATERIAL:	Glacial Till	(Ablation Till)						DEPTH TO COMPACT SOIL: N/A			
						SOIL PROFIL	LE DESCRIPTIO	N				
				MATRIX	SOIL REDOX							
SOIL	DEPTH			COLOR,	COLORS,		CONSISTENCY					
HORIZON	(IN.)	BOUNDARY	SOIL TEXTURE	MOIST	MOIST	STRUCTURE	DRY/MOIST/WET	% STONE	NOTES			
Oi	2 - 0	abrupt	organic, fibric	5YR 3/2				0%	many roots			
Λ	0 2	'					friable					
Α	0 - 3	abrupt	fine sandy loam	10YR 3/2			friable	0%	common roots			
Bw1	3 - 29	gradual	fine sandy loam	10YR 5/6		m. subang blky	friable	5%	few roots			
Bw2	29 - 32		fine sandy loam	10YR 5/6	5y 6/1	m. subang blky	friable	5 - 10%	Redox: m,c,d. No roots			
					10YR 6/6				Redox: f,m,d.			

NOTE: N/A = Not Applicable N/R = Not Recorded

REMA ECOLOGICAL SERVICES

SPADE & AUGER

TEST HOLE#: TH-7 Field Investigation performed by W. A. Jackson

JOB NO.	IOB NO. CLIENT:											
16-1958-1	16-1958-NST3 Silicon Ranch Corporation											
SITE LOCA	SITE LOCATION: North Stonington Solar Project											
	Central Project Area, approx. 140-feet north of SE PC for Kennel (Creature Comforts Inn, LLC), offset 100-feet east											
DATE: July	7, 2020		WEATHER: Clear, Sunny, 80s F									
LAND USE:	Forested L	_and		LANDFORM: G	Blacial Till Uplands	1			SLOPE: 0 to 8%			
SOIL MAP U	JNIT: Not [Determined							DEPTH TO GRNDWTR: N/A			
SOIL DRAIN	NAGE CLA	SS: Not De	etermined						DEPTH TO BEDROCK: N/A			
PARENT MA	ATERIAL:	Glacial Till	(Ablation Till)						DEPTH TO COMPACT SOIL: N/A			
						SOIL PROFIL	E DESCRIPTIO	N				
SOIL HORIZON	DEPTH (IN.)	BOUNDARY	SOIL TEXTURE	MATRIX COLOR, MOIST	SOIL REDOX COLORS, MOIST	STRUCTURE	CONSISTENCY DRY/ <u>MOIST</u> /WET	% STONE	NOTES			
Α	0 - 11	abrupt	fine sandy loam	10YR 3/3			loose	0%	common roots			
Bw1	11 - 20	gradual	fine sandy loam	10YR 4/4		m. subang blky	friable	10 -20%	few roots, very stony			
Bw2	20 - 35		sandy loam	10YR 5/4		m. subang blky	loose	10 -20%	moist, very stony, no roots			

Hand Auger Refusal: 35-inches NOTE: N/A = Not Applicable

REMA ECOLOGICAL SERVICES

0.7.22 0.7.	OCLI												
TEST HOLE	#: TH-8							Field Investig	gation performed by W. A. Jackson				
JOB NO.		CLIENT:	ENT:										
16-195	16-1958-NST3 Silicon Ranch Corporation												
SITE LOCA	ATION: N	FION: North Stonington Solar Project											
	Central Project Area, approx. 60-feet north of SE PC for Kennel (Creature Comforts Inn, LLC), offset 20-feet east												
	23												
DATE: July	7, 2020			TIME: 14:00					WEATHER: Clear, Sunny, 80s F				
LAND USE:	Forested L	and		LANDFORM: G	Blacial Till Uplands	3			SLOPE: 0 to 8%				
SOIL MAP U	JNIT: Not [Determined			•				DEPTH TO GRNDWTR: N/A				
SOIL DRAIN	NAGE CLA	SS: Not De	termined						DEPTH TO BEDROCK: N/A				
PARENT MA	ATERIAL:	Glacial Till	lacial Till (Ablation Till) DEPTH TO COMPACT SOIL: N/A										
						SOIL PROFII	LE DESCRIPTIO	N					
				MATRIX	SOIL REDOX								
SOIL	DEPTH			COLOR,	COLORS,		CONSISTENCY						
HORIZON	(IN.)	BOUNDARY	SOIL TEXTURE	MOIST	MOIST	STRUCTURE	DRY/MOIST/WET	% STONE	NOTES				
Oi	3 - 0	abrupt	organic, fibric					0%	many roots				
Α	0 - 11	abrupt	fine sandy loam	ne sandy loam 10YR 3/3 loose 0% common roots									
Bw1	11 - 24	gradual	fine sandy loam	e sandy loam 10YR 4/4 m. subang blky friable 10 -20% few roots, very stony									
Bw2	24 - 26		sandy loam	10YR 5/4	5y 6/1	m. subang blky	loose	10 -20%	moist, very stony, no roots				
									Redox: f,m,d.				

Hand Auger Refusal: 26-inches
NOTE: N/A = Not Applicable
N/R = Not Recorded
"- -" = Not Observed

16-1958-NST3

REMA ECOLOGICAL SERVICES

Field Investigation performed by W. A. Jackson

TEST HOLE#: TH-9

JOB NO. | CLIENT:

Silicon Ranch Corporation

SITE LOCATION: North Stonington Solar Project

SE Project Area, approx. 130-feet south of N property line (stone wall), down-slope from horse barn on neighboring property

DATE: July 8, 2020	TIME: 12:00	WEATHER: Clear, Sunny, 80s F
LAND USE: Forested Land	LANDFORM: Glacial Till Uplands	SLOPE: 3 to 8%
SOIL MAP UNIT: Paxton and Montauk fir	ne sandy loams	DEPTH TO GRNDWTR: N/A
SOIL DRAINAGE CLASS: Well Drained		DEPTH TO BEDROCK: N/A
PARENT MATERIAL: Glacial Till (Ablat	ion Till)	DEPTH TO COMPACT SOIL: N/A

				SOIL PROFILE DESCRIPTION							
				MATRIX	SOIL REDOX						
SOIL	DEPTH			COLOR,	COLORS,		CONSISTENCY				
HORIZON	(IN.)	BOUNDARY	SOIL TEXTURE	MOIST	MOIST	STRUCTURE	DRY/MOIST/WET	% STONE	NOTES		
А	0 - 5	abrupt	fine sandy loam	10YR 3/3			friable	0%	common roots		
Bw1	5 - 9	gradual	fine sandy loam	10YR 4/4		m. subang blky	friable	10 - 20%	few roots		
Bw2	9 - 24	gradual	fine sandy loam	10YR 5/6		m. subang blky	friable	10 - 20%	few roots		
Bw3	24 - 28	abrupt	fine sandy loam	2.5Y 6/2	10YR 5/6	m. subang blky	friable	20%	Redox: f,m,p. No roots		
С	28 - 34		fine sandy loam	2.5Y 6/1	10YR 6/6			20%	Redox: f,m,p.		

NOTE: N/A = Not Applicable

REMA ECOLOGICAL SERVICES

TEST HOLE#: TH-10

Field Investigation performed by W. A. Jackson

IL31 HOLL	. . 111-10							i icia ilivestig	gation penomied by W. A. Jackson			
JOB NO.		CLIENT:										
16-1958	16-1958-NST3 Silicon Ranch Corporation											
SITE LOCA	SITE LOCATION: North Stonington Solar Project											
	SE Project Area, approx. 280-feet south of N property line (stone wall), 450-feet east of W. Project Area boundary, adjacent to stone wall											
DATE: July 8, 2020 TIME: 13:30 WEATHER: Clear, Sunny, 80s F												
LAND USE:	Forested L	_and	LANDFORM: Glacial Till Uplands SLOPE: 3 to 8%									
SOIL MAP U	JNIT: Not [Determined	-						DEPTH TO GRNDWTR: N/A			
	DRAINAGE CLASS: Not Determined DEPTH TO BEDROCK: N/A											
PARENT MA	ATERIAL:	Glacial Till	Slacial Till (Ablation Till) DEPTH TO COMPACT SOIL: N/A									
						SOIL PROFIL	LE DESCRIPTIO	N				
				MATRIX	SOIL REDOX							
SOIL	DEPTH			COLOR,	COLORS,		CONSISTENCY					
HORIZON	(IN.)	BOUNDARY	SOIL TEXTURE	MOIST	MOIST	STRUCTURE	DRY/MOIST/WET	% STONE	NOTES			
Oi	1 - 0	abrupt	organic, fibric					0%	many roots			
Α	0 - 3	gradual	fine sandy loam	ne sandy loam 10YR 3/2 friable 0% common roots								
Bw1	3 - 9	abrupt	fine sandy loam	10YR 4/4		m. subang blky	friable	10 - 20%	few roots			
Bw2	9 - 21		loamy sand	10YR 5/6			loose	20 - 50%	very stony			

Hand Auger Refusal: 21-inches NOTE: N/A = Not ApplicableN/R = Not Recorded "- -" = Not Observed

REMA ECOLOGICAL SERVICES

TEST HOLE#: TH-11

Field Investigation performed by W. A. Jackson

ILSI HOLL	_#. !!!-!!							i leiu ilivesiit	gation perionned by W. A. Jackson				
JOB NO.		CLIENT:											
16-195	8-NST3		Silicon Ranch Corporation										
SITE LOCA	CATION: North Stonington Solar Project												
	SE Project Area, stone wall enclosure, NW Interior Corner												
DATE: July	8, 2020			TIME: 14:00					WEATHER: Clear, Sunny, 80s F				
LAND USE:	Forested I	₋and		LANDFORM: G	Blacial Till Uplands	5			SLOPE: 3 to 8%				
SOIL MAP U	JNIT: Paxte	on and Mon	tauk fine sandy loar	ns	<u> </u>				DEPTH TO GRNDWTR: N/A				
SOIL DRAIN									DEPTH TO BEDROCK: N/A				
PARENT M.	ATERIAL:	Glacial Till	(Ablation Till)						DEPTH TO COMPACT SOIL: N/A				
						SOIL PROFIL	LE DESCRIPTIO	N					
				MATRIX	SOIL REDOX								
SOIL	DEPTH			COLOR,	COLORS,		CONSISTENCY						
HORIZON	(IN.)	BOUNDARY	SOIL TEXTURE	MOIST	MOIST	STRUCTURE	DRY/MOIST/WET	% STONE	NOTES				
А	0 - 8	gradual	fine sandy loam	10YR 4/3			friable	0%	common roots				
Bw1	8 - 35	abrupt	fine sandy loam	10YR 5/4		m. subang blky	friable	10 - 20%	few roots				
С	35 - 41		sand	10YR 6/3	10YR 5/2		loose	20%	Redox: f,m,f. gravelly fine to med. sand				
					10YR 5/6				Redox: f,m,d. no roots				

Hand Auger Refusal: 41-inches

NOTE: N/A = Not ApplicableN/R = Not Recorded

"- -" = Not Observed

REMA ECOLOGICAL SERVICES

TEST HOLE#: TH-12

Field Investigation performed by W. A. Jackson

IEST HOLL	_77. - 2							i leiu ilivestig	jation penomied by W. A. Jackson				
JOB NO.		CLIENT:	y ,										
16-195	8-NST3		Silicon Ranch Corporation										
SITE LOCA	LOCATION: North Stonington Solar Project												
SE Project Area, approx. 140-feet N of Proposed Stormwater Basin, North of stone wall													
DATE: July 8, 2020 TIME: 14:45 WEATHER: Clear, Sunny, 80s F													
LAND USE:	Forested L	₋and		LANDFORM: G	Blacial Till Uplands	3			SLOPE: 3 to 8%				
SOIL MAP U	UNIT: Paxto	on and Mon	tauk fine sandy loar	ns					DEPTH TO GRNDWTR: N/A				
SOIL DRAIN									DEPTH TO BEDROCK: N/A				
PARENT M.	ATERIAL:	Glacial Till	(Ablation Till)						DEPTH TO COMPACT SOIL: N/A				
						SOIL PROFIL	LE DESCRIPTIO	N					
SOIL HORIZON	DEPTH (IN.)	BOUNDARY	SOIL TEXTURE	MATRIX COLOR, MOIST	SOIL REDOX COLORS, MOIST	STRUCTURE	CONSISTENCY DRY/ <u>MOIST</u> /WET	% STONE	NOTES				
Oi	2 - 0	abrupt	organic, fibric					0%	many roots				
Α	0 - 6	gradual	fine sandy loam	10YR 3/2			friable	0%	common roots				
Bw1	6 - 16	gradual	fine sandy loam	10YR 4/4		m. subang blky	friable	10 - 20%	few roots				
Bw2	16 - 41		fine sandy loam	10YR 5/4			friable	20%	no roots, very stony				

NOTE: N/A = Not ApplicableN/R = Not Recorded

"- -" = Not Observed

REMA ECOLOGICAL SERVICES

TEST HOLE#: TH-13

Field Investigation performed by W. A. Jackson

IEST HOLE	=#: IH-13							Field investig	gation performed by W. A. Jackson		
JOB NO.		CLIENT:		_				•			
16-195	6-1958-NST3 Silicon Ranch Corporation										
SITE LOCA	TE LOCATION: North Stonington Solar Project										
	SE Project Area, approx. 70-feet N of Proposed Stormwater Basin, South of stone wall										
				-							
DATE: July	8, 2020			TIME: 15:20					WEATHER: Clear, Sunny, 80s F		
LAND USE:	Forested L	₋and		LANDFORM: G	Blacial Till Uplands	3			SLOPE: 3 to 8%		
SOIL MAP I	UNIT: Not [Determined							DEPTH TO GRNDWTR: N/A		
SOIL DRAIN									DEPTH TO BEDROCK: N/A		
PARENT M	ATERIAL:	Glacial Till	(Ablation Till)						DEPTH TO COMPACT SOIL: N/A		
						SOIL PROFIL	LE DESCRIPTIO	N			
				MATRIX	SOIL REDOX						
SOIL	DEPTH			COLOR,	COLORS,		CONSISTENCY				
HORIZON	(IN.)	BOUNDARY	SOIL TEXTURE	MOIST	MOIST	STRUCTURE	DRY/MOIST/WET	% STONE	NOTES		
Oi	2 - 0	abrupt	organic, fibric	5YR 3/2				0%	many roots		
А	0 - 3	gradual	fine sandy loam	10YR 3/2			friable	0%	common roots		
Bw1	3 - 9	gradual	fine sandy loam	10YR 4/4		m. subang blky	friable	10 - 20%	few roots		
Bw2	9 - 20		fine sandy loam	10YR 5/4			friable	20%	no roots, very stony		

Hand Auger Refusal: 20-inches

NOTE: N/A = Not Applicable

REMA ECOLOGICAL SERVICES

SPADE & AUGER TEST HOLE#: TH-14

Field Investigation performed by W. A. Jackson CLIENT: JOB NO. 16-1958-NST3 Silicon Ranch Corporation SITE LOCATION: North Stonington Solar Project NW Project Area, historical stone-lined road, approx. 120-feet W of wetland boundary DATE: July 13, 2020 TIME: 12:00 WEATHER: Clear, Sunny, 80s F LAND USE: Forested Land LANDFORM: Glacial Till Uplands SLOPE: 0 to 8% SOIL MAP UNIT: Sutton fine sandy loam DEPTH TO GRNDWTR: N/A SOIL DRAINAGE CLASS: Moderately Well Drained DEPTH TO BEDROCK: N/A PARENT MATERIAL: Glacial Till (Ablation Till) DEPTH TO COMPACT SOIL: N/A SOIL PROFILE DESCRIPTION MATRIX SOIL REDOX DEPTH COLOR. SOIL COLORS. CONSISTENCY **HORIZON** BOUNDARY SOIL TEXTURE MOIST MOIST STRUCTURE DRY/MOIST/WET % STONE NOTES (IN.) Oi 3 - 0 abrupt organic, fibric 0% many roots Α 0 - 6 gradual | fine sandy loam 10YR 4/2 - -- friable 0% common roots 6 - 10 fine sandy loam 10YR 4/3 friable 10 - 20% common to few roots Bw1 abrupt m. subang blky - -10 - 22 gradual | fine sandy loam Bw2 2.5Y 5/4 - m. subang blky friable 20% few roots Bw3 22 - 26 v. f. sandy loam 2.5Y 5/4 2.5Y 6/1 friable 20% Redox: c,c,d. - -10YR 5/8 Redox: c,m,p.

NOTE: N/A = Not ApplicableN/R = Not Recorded

"- -" = Not Observed

REMA ECOLOGICAL SERVICES

OI ADL WA	OCLI													
TEST HOLE	#: TH-15							Field Investig	ation performed by W. A. Jackson					
JOB NO.		CLIENT:												
16-1958	3-NST3		Silicon Ranch C	orporation										
SITE LOCA	ATION: N	lorth Stonin	gton Solar Project	•										
	NW Project Area, historical stone-lined road, south of residence to north													
			,,	,										
DATE: July	13, 2020			TIME: 13:00					WEATHER: Clear, Sunny, 80s F					
LAND USE:	Forested L	_and		LANDFORM: G	Slacial Till Uplands	3			SLOPE: 0 to 8%					
SOIL MAP L	JNIT: Sutto	n fine sand	y loam						DEPTH TO GRNDWTR: N/A					
			ately Well Drained						DEPTH TO BEDROCK: N/A					
PARENT MA	ATERIAL:	Glacial Till	(Ablation Till)	DEPTH TO COMPACT SOIL: N/A										
						SOIL PROFIL	LE DESCRIPTIO	N						
				MATRIX	SOIL REDOX									
SOIL	DEPTH			COLOR,	COLORS,		CONSISTENCY							
HORIZON	(IN.)	BOUNDARY	SOIL TEXTURE	MOIST	MOIST	STRUCTURE	DRY/MOIST/WET	% STONE	NOTES					
Oi	2 - 0	abrupt	organic, fibric					0%	many roots					
Α	0 - 2	gradual	fine sandy loam	10YR 4/2 friable 0% common roots										
Bw1	2 - 18	abrupt	fine sandy loam											
Bw2	18 - 24	abrupt	v. f. sandy loam	2.5Y 5/4	5Y 5/1		friable	20%	Redox: c,m,d. no roots					
					7.5YR 4/4				Redox: f,f,d.					

NOTE: N/A = Not Applicable N/R = Not Recorded

REMA ECOLOGICAL SERVICES

SPADE & AUGER TEST HOLE#: TH-16

Field Investigation performed by W. A. Jackson

JOB NO.		CLIENT:	ENT:										
16-195	8-NST3												
SITE LOC	ATION: N	Iorth Stonin	gton Solar Project										
	NW Project Area, up-slope, approx. 160-feet NE of TH-15 near N Property line												
	DATE: July 13, 2020 TIME: 14:00 WEATHER: Clear, Sunny, 80s F												
LAND USE: Forested Land LANDFORM: Glacial Till Uplands SLOPE: 0 to 8%													
SOIL MAP I									DEPTH TO GRNDWTR: N/A				
			ately Well Drained						DEPTH TO BEDROCK: N/A				
PARENT M	ATERIAL:	Giacial IIII	(Ablation Till)						DEPTH TO COMPACT SOIL: N/A				
				MATRIX	0011 05001/	SOIL PROFIL	E DESCRIPTIO	N	<u> </u>				
SOIL	DEPTH			MATRIX COLOR,	SOIL REDOX COLORS,								
HORIZON		BOUNDARY	SOIL TEXTURE	MOIST	MOIST	STRUCTURE	CONSISTENCY DRY/ <u>MOIST</u> /WET	% STONE	NOTES				
Oi	4 - 0	abrupt	organic, fibric					0%	many roots				
Α	0 - 9	gradual	fine sandy loam	10YR 3/2			friable	0%	common roots				
A/B	9 - 12	gradual	fine sandy loam	10YR 3/3				10 - 20%	common roots				
Bw1	12 - 20	abrupt	fine sandy loam	10YR 5/4		m. subang blky	friable	10 - 20%	few roots				
Bw2	20 - 26	gradual	v. f. sandy loam	10YR 6/4	7.5YR 5/8		friable	20%	Redox: f,f,p. no roots				
Bw3	26 - 29		v. f. sandy loam	10YR 6/4	10YR 4/2		friable	20%	Redox: c,m,d.				
					7.5YR 4/6				Redox: c,m,d.				

NOTE: N/A = Not ApplicableN/R = Not Recorded

"--" = Not Observed

REMA ECOLOGICAL SERVICES

SPADE & AUGER TEST HOLE#: TH-17

Field Investigation performed by W. A. Jackson

IESI HOLE	=#. I∏-I <i>I</i>							riela ilivestig	jation penomied by W. A. Jackson			
JOB NO.		CLIENT:										
16-1958	16-1958-NST3 Silicon Ranch Corporation											
SITE LOCA	TE LOCATION: North Stonington Solar Project											
	NE Project Area, approx. 55-feet E of N-S Stone Wall, approx. 70-feet from Flag IWC-10											
	, , , , , , , , , , , , , , , , , , , ,											
DATE: July	13, 2020			TIME: 15:00					WEATHER: Clear, Sunny, 80s F			
LAND USE:	Forested L	₋and		LANDFORM: G	Blacial Till Uplands	}			SLOPE: 0 to 8%			
SOIL MAP U	UNIT: Cant	on and Cha	rlton fine sandy loar	n					DEPTH TO GRNDWTR: N/A			
SOIL DRAIN									DEPTH TO BEDROCK: N/A			
PARENT MA	ATERIAL:	Glacial Till	(Ablation Till)						DEPTH TO COMPACT SOIL: N/A			
						SOIL PROFIL	E DESCRIPTIO	N				
				MATRIX	SOIL REDOX							
SOIL	DEPTH			COLOR,	COLORS,		CONSISTENCY					
HORIZON	(IN.)	BOUNDARY	SOIL TEXTURE	MOIST	MOIST	STRUCTURE	DRY/MOIST/WET	% STONE	NOTES			
Α	0 - 6	gradual	fine sandy loam	10YR 3/3			loose	10%	common roots			
A/B	6 - 13	gradual	fine sandy loam	fine sandy loam 10YR 4/3 friable 20 - 30% common roots, stony								
Bw1	13 - 28	gradual	sandy loam	sandy loam 10YR 5/4 m. subang blky friable 20 - 30% common roots, very stony								
Bw2	28 - 32		sandy loam	10YR 5/4		m. subang blky	friable	20 - 30%	few roots, very stony			

Hand Auger Refusal: 32-inches

NOTE: N/A = Not ApplicableN/R = Not Recorded

"- -" = Not Observed

REMA ECOLOGICAL SERVICES

SPADE & AUGER

TEST HOLE#: TH-18 Field Investigation performed by W. A. Jackson JOB NO. CLIENT: 16-1958-NST3 Silicon Ranch Corporation SITE LOCATION: North Stonington Solar Project NE Project Area, cut within historical stone-lined road DATE: July 13, 2020 TIME: 16:00 WEATHER: Clear, Sunny, 80s F LAND USE: Forested Land LANDFORM: Glacial Till Uplands SLOPE: 3 to 8% SOIL MAP UNIT: Sutton fine sandy loam DEPTH TO GRNDWTR: N/A DEPTH TO BEDROCK: N/A SOIL DRAINAGE CLASS: Moderately Well Drained PARENT MATERIAL: Glacial Till (Ablation Till) DEPTH TO COMPACT SOIL: N/A SOIL PROFILE DESCRIPTION MATRIX SOIL REDOX DEPTH COLOR. COLORS. SOIL CONSISTENCY **HORIZON** BOUNDARY SOIL TEXTURE MOIST MOIST STRUCTURE DRY/MOIST/WET % STONE NOTES (IN.) Α 0 - 3 abrupt sandy loam 2.5Y 3/3 friable 0% common roots Bw1 3 - 8 abrupt sandy loam 2.5Y 6/4 - m. subang blky friable 10 - 20% few roots Bw2 8 - 18 loamy sand 2.5Y 6/4 2.5Y 6/2 friable 20% Redox: f,m,f. no roots gradual 2.5Y 4/3 Redox: f,f,d. Bw3 18 - 20 gradual loamy sand 2.5Y 6/3 2.5Y 6/1 friable 20% Redox: c,m,d. no roots - -10YR 6/8 Redox: f,f,p.

NOTE: N/A = Not ApplicableN/R = Not Recorded

"- -" = Not Observed

Attachment D

Table A: Vernal Pool Surveys (2017 to 2020); Figures 4 to 26; Annotated Photographs (1-47)

Table A: Vernal Pool Monitoring, North Stonington Solar Facility, North Stonington, CT - 2017 -2020

Pool ID	2017	2018	2019	2020	SUBTOTALS	Facultative Species & Notes
С	17SS, 6WF	not surveyed	5SS, 2WF	0SS, 0WF	22SS, 8WF	6" to 8" deep (average)
3E	17SS, 16WF	5SS, 8WF	15SS, 2WF	8SS, 0WF	45SS, 26WF	18-24" deep, maximum 36' deep; spring peeper; <i>ribbon snake</i> (<i>Species of Special Concern</i>); gray tree frog in pool and overall wetland; spring peeper
G	84SS, 22WF	74SS, 34WF	24SS, 22WF	10SS, 49WF	192SS, 127WF	18" deep (maximum); average 6-8"; fowler's toad, eastern toad
Н	7SS, 10WF	7SS, 9WF	5SS, 18WF	1SS, 8WF	20SS, 45WF	8" deep (average); 12" to 14" max.; woods road passes through it; <i>marbled salamander larva</i>
1H	1SS, 2WF	1SS, 4WF	7WF	5WF	2SS, 21WF	8-10" deep (average)
I	42SS	22SS	22SS	11SS	97SS	15" (average) deep; maximum depth: 24"
L	6SS, 4WF	3SS, 21WF	14SS, 17WF	16SS, 2WF	39SS, 44WF	4'+ deep (max.)
N	2SS	10SS	10SS, 11WF	5SS, 4WF	37SS, 15WF	18" to 24" average; max: '+ deep; high woody debris
0	18SS, 6WF	9SS, 31WF	28SS, 7WF	4SS, 23WF	59SS, 67WF	3' deep; average 18" to 24"; alga covered (80%); gray tree frog
E			22SS, 32WF	10SS, 50WF	32SS, 82WF	Added in 2019, contains <i>marbled salamander larva</i> ; "cryptic" vernal pool; embedded in wetland with intermittent stream; average depth 18'; maximum depth: 24"
1		13SS, 7WF	61SS, 120WF	6SS, 220WF	80SS, 347WF	up to 24" deep, much leaf litter/branches; open canopy; spring peepers; pickerel frog; green frog; pool embedded in forested wetland; partially excavated for agricultural purposes in early 1900s
SUBTOTALS	194SS; 64WF	144SS; 114WF	206SS; 238WF	70SS; 353WF	625SS; 782WF	

Notes: SS = Spotted Salamander Egg Mass

WF = Wood Frog Egg Mass

Tier 1 VP = consistently more than 25 egg masses of either wood frogs or spotted salamanders

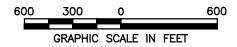
WF = most productive for wood frog

so = most productive for spotted salamander

Rema Ecological Services, LLC 2/13/2021

FIGURE 4:

VERNAL POOL LOCATION MAP North Stonington Solar Facility



LIMIT OF WETLANDS
VERNAL POOL ENVELOPE (VPE)



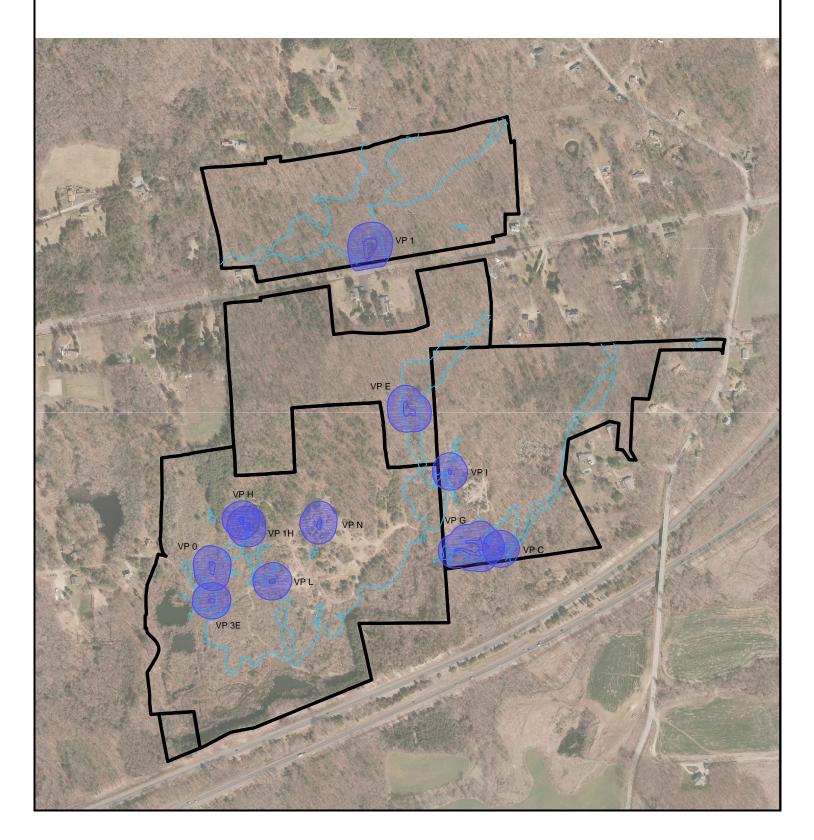


FIGURE 5:

VERNAL POOL 1 EXISTING CONDITIONS North Stonington Solar Facility





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

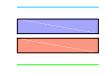




FIGURE 6:

VERNAL POOL 1
PROPOSED CONDITIONS
North Stonington Solar Facility







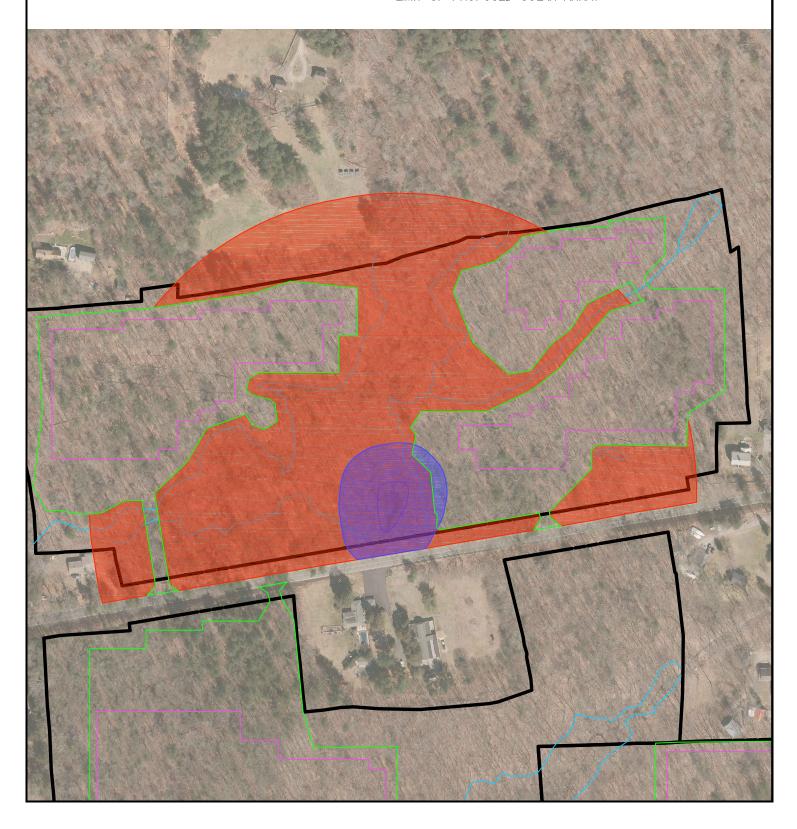
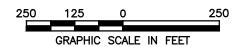
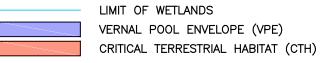


FIGURE 7:

VERNAL POOL C EXISTING CONDITIONS North Stonington Solar Facility







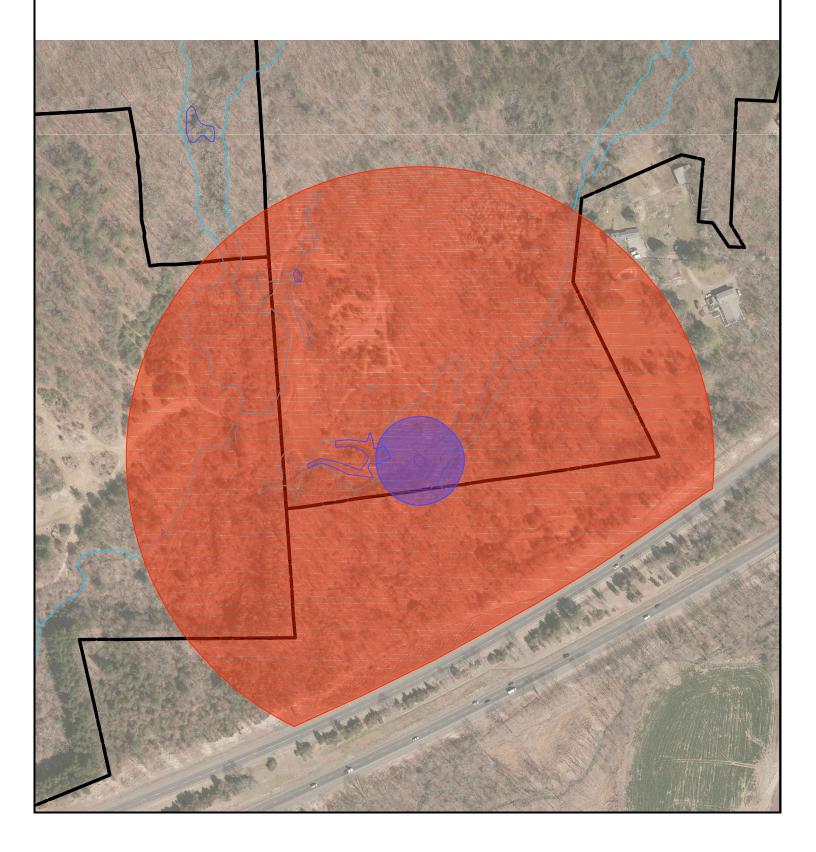
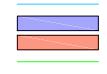


FIGURE 8:

VERNAL POOL C
PROPOSED CONDITIONS
North Stonington Solar Facility







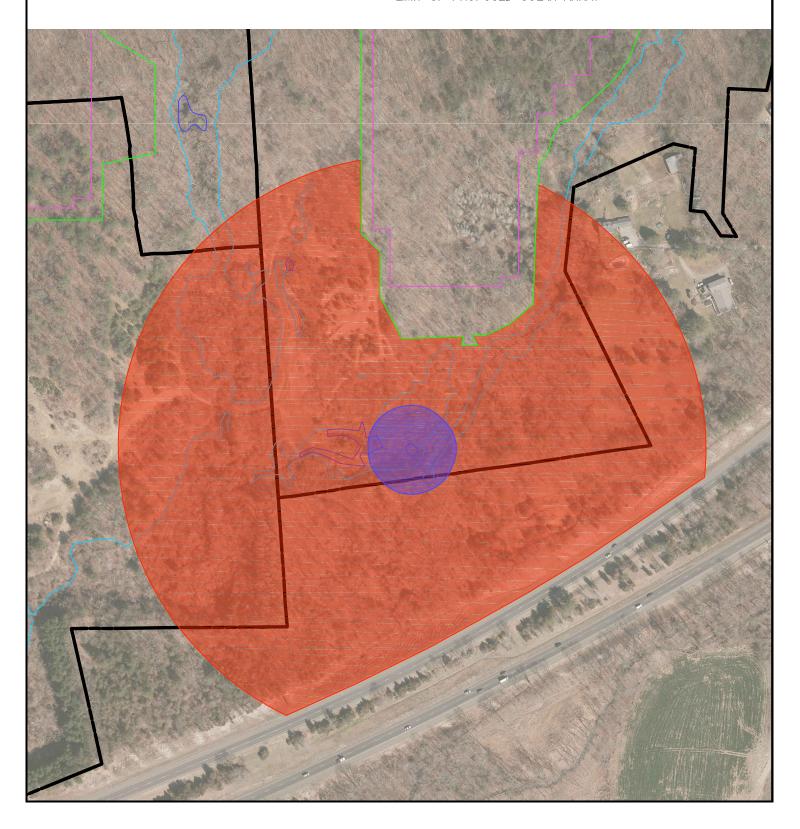
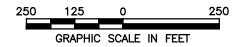
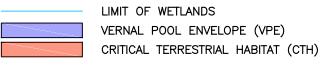


FIGURE 9:

VERNAL POOL E EXISTING CONDITIONS North Stonington Solar Facility







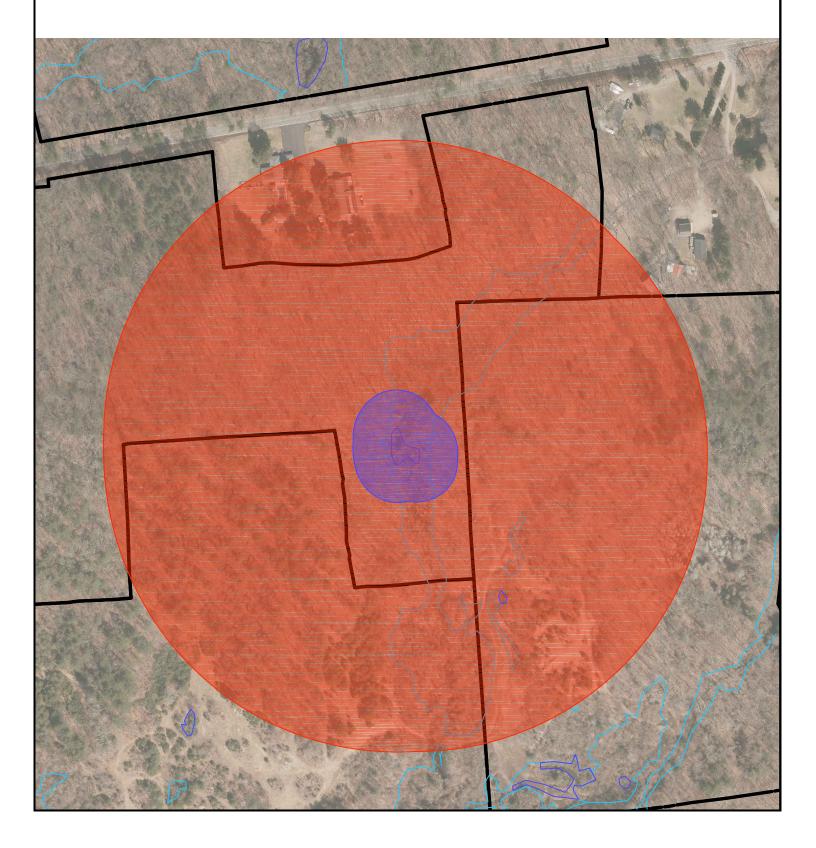
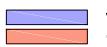


FIGURE 10: VERNAL POOL E PROPOSED CONDITIONS North Stonington Solar Facility LIMIT OF WETLANDS VERNAL POOL ENVELOPE (VPE) 125 250 250 0 CRITICAL TERRESTRIAL HABITAT (CTH) PROPOSED LIMIT OF DISTURBANCE GRAPHIC SCALE IN FEET LIMIT OF PROPOSED SOLAR ARRAY

FIGURE 11:

VERNAL POOL G EXISTING CONDITIONS North Stonington Solar Facility





LIMIT OF WETLANDS

VERNAL POOL ENVELOPE (VPE)

CRITICAL TERRESTRIAL HABITAT (CTH)



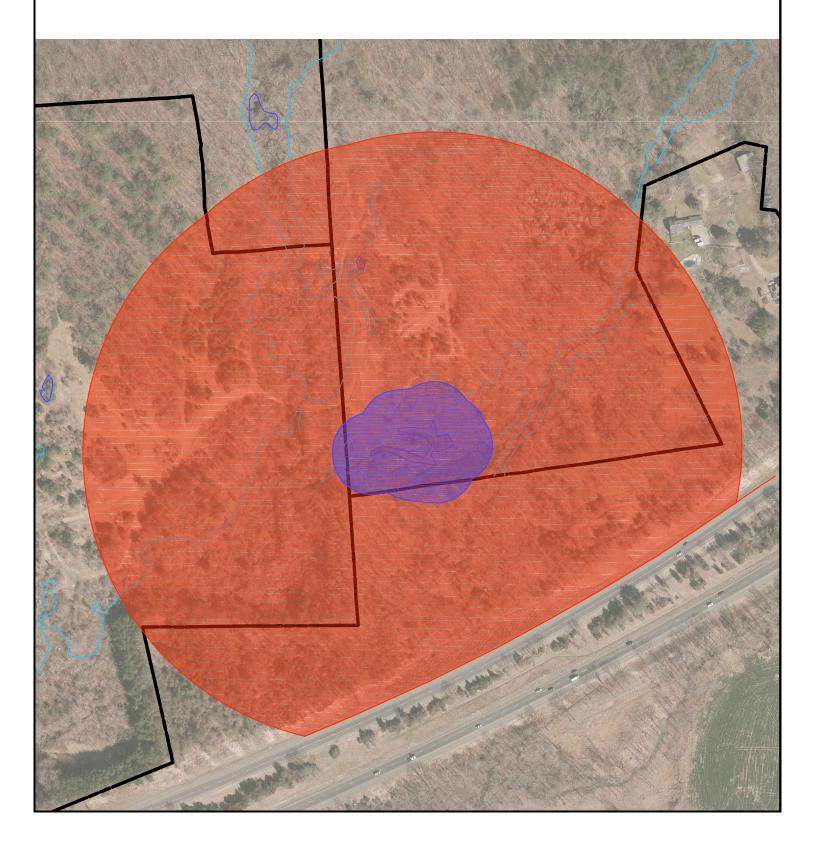
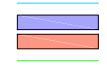


FIGURE 12:

VERNAL POOL G PROPOSED CONDITIONS North Stonington Solar Facility







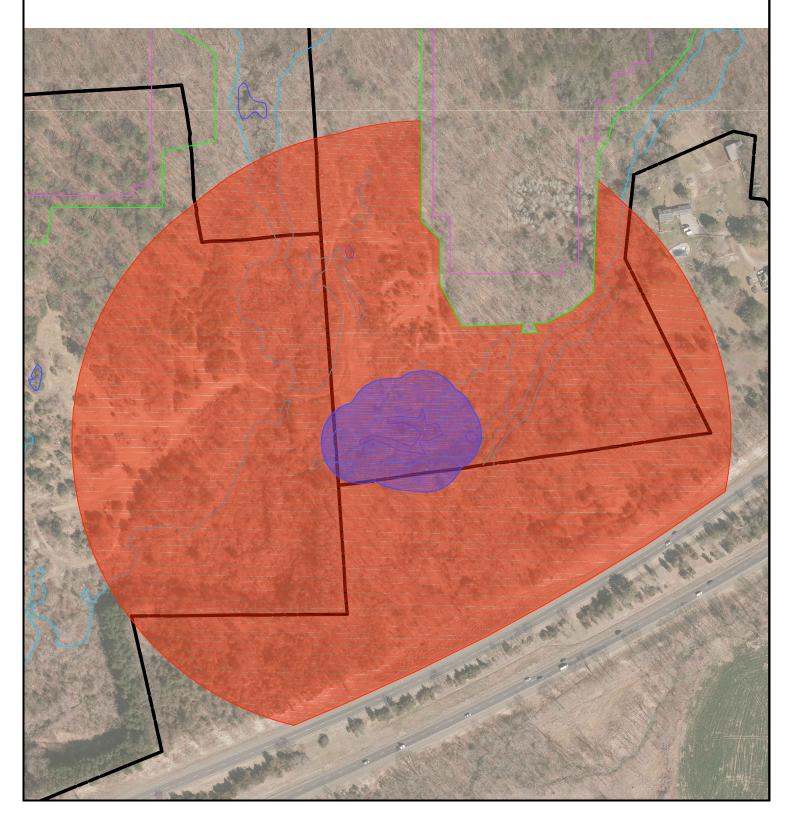
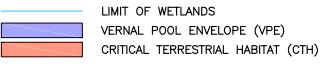


FIGURE 13:

VERNAL POOL H
EXISTING CONDITIONS
North Stonington Solar Facility







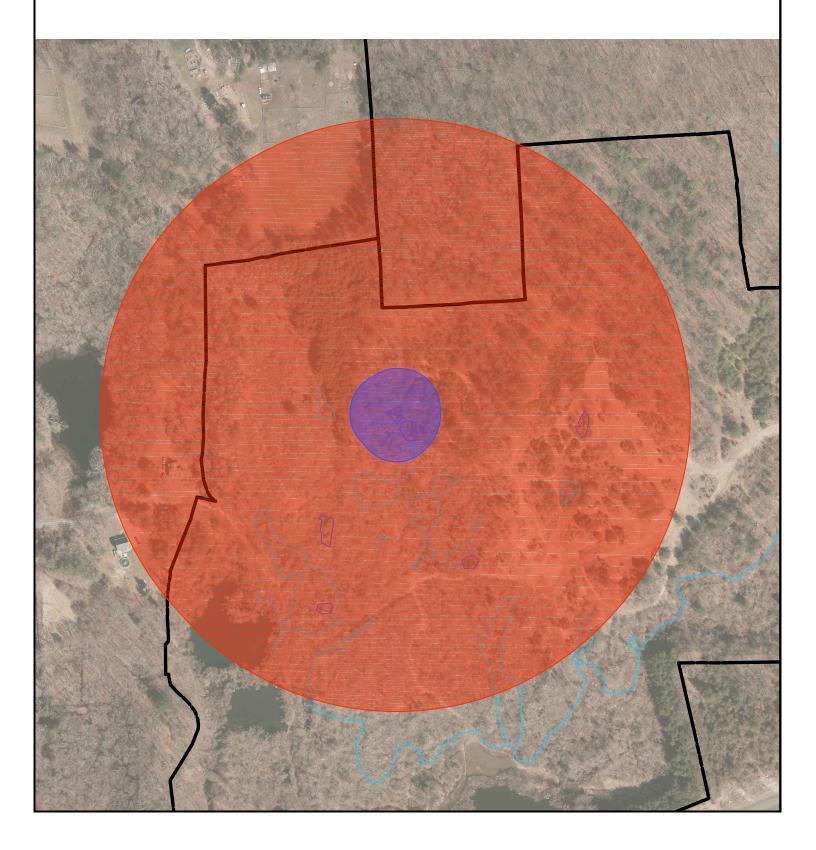
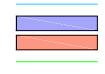


FIGURE 14:

VERNAL POOL H
PROPOSED CONDITIONS
North Stonington Solar Facility







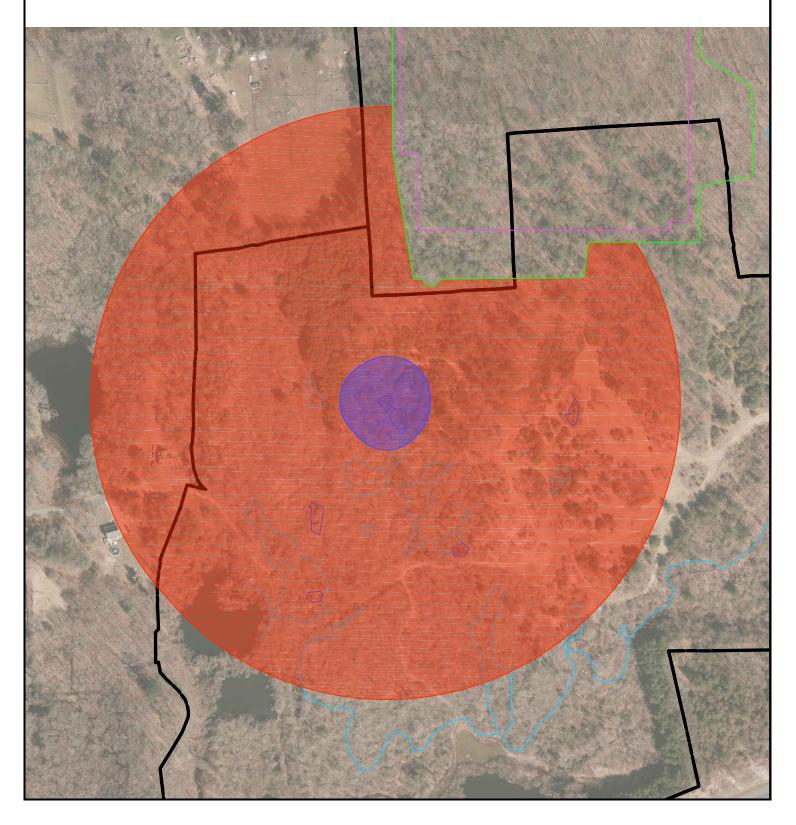


FIGURE 15: VERNAL POOL I **EXISTING CONDITIONS** North Stonington Solar Facility LIMIT OF WETLANDS VERNAL POOL ENVELOPE (VPE) 250 125 0 250 CRITICAL TERRESTRIAL HABITAT (CTH) GRAPHIC SCALE IN FEET

FIGURE 16: VERNAL POOL I PROPOSED CONDITIONS LIMIT OF WETLANDS North Stonington Solar Facility VERNAL POOL ENVELOPE (VPE) 125 250 250 0 CRITICAL TERRESTRIAL HABITAT (CTH) PROPOSED LIMIT OF DISTURBANCE GRAPHIC SCALE IN FEET LIMIT OF PROPOSED SOLAR ARRAY

FIGURE 17: VERNAL POOL L **EXISTING CONDITIONS** North Stonington Solar Facility LIMIT OF WETLANDS VERNAL POOL ENVELOPE (VPE) 250 125 0 250 CRITICAL TERRESTRIAL HABITAT (CTH) GRAPHIC SCALE IN FEET