

KENNETH C. BALDWIN

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Also admitted in Massachusetts
and New York

August 4, 2020

Melanie A. Bachman, Esq.
Executive Director/Staff Attorney
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

**Re: Notice of Exempt Modification – Somers Solar Center, LLC
Access Road Resurfacing**

Dear Attorney Bachman:

As you are aware, Somers Solar Center, LLC (“SSC”) owns and operates a 5.0-megawatt AC solar photovoltaic electric generating facility (the “SSC Facility”) on property at 458 and 488 South Road in Somers, Connecticut (“Property”). The Council approved the Somers Solar project on March 21, 2013 in Petition No. 1042. A copy of the Council’s Decision and Order (corrected on April 24, 2013) is included in Attachment 1. The Property is owned by Pleasant View Farms Realty Company, which has authorized SSC to make this filing. (See Attachment 2).

In an effort to reduce long term maintenance issues at the Property, SSC proposes to make certain improvements to the main access driveway serving the SSC Facility. These improvements will involve the removal of approximately six inches of the existing road surface, the compaction of exposed subgrade soil to a depth of six inches and the installation of a new six-inch compacted gravel road base. Once completed, the new gravel road surface will be flush with the adjacent ground surface. A set of Construction Drawings for the Somers Solar driveway improvements are included in Attachment 3.

Please accept this letter as notification pursuant to R.C.S.A. § 16-50j-58, for construction that constitutes an exempt modification pursuant to R.C.S.A. § 16-50j-57(b)(2). In accordance with R.C.S.A. § 16-50j-58, a copy of this letter is being sent to the Town of Somers (“Town”)

Melanie A. Bachman, Esq.
August 4, 2020
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First Selectman, C.G. 'Bud' Knorr, Jr., Jennifer Roy, the Town's Land Use Technician/Zoning Enforcement Officer; and Pleasant View Farms Realty Company, the owner of the Property.

The proposed improvements to the SSC main access driveway described above fall squarely with those activities explicitly provided in R.C.S.A. § 26-50J-57(b)(2).

1. The access driveway improvements will remain within the limits of the existing site boundaries.
2. The access driveway improvements will not result in an increase in the height of any equipment, buildings or structures associated with the SSC Facility.
3. The access driveway improvements will not result in an increase in the noise at the SSC Facility boundary by 6 decibels or more, or to levels that exceed State and Local criteria.
4. The access driveway improvements will not cause an increase in the electric or magnetic field levels at the SSC Facility boundary.
5. The access driveway improvements will not cause any significant or adverse change or alteration in the physical or environmental characteristics of the SSC Facility or the Property. As shown on the Construction Drawings (Attachment 3) all of the proposed road resurfacing improvements will remain within the same 14-foot wide horizontal limits of the existing access driveway. SSC will install sufficient soil erosion and sedimentation control (SESC) measures along the access driveway proximate to the existing wetland and watercourse crossing. If these SESC measures are properly installed and maintained SSC does not anticipate that the resurfacing activity will have any adverse effect on the existing watercourse and its associated wetland areas. (*See Wetlands and Watercourse Delineation Report included in Attachment 4*). The proposed driveway improvements will not require any modifications to the existing 60" culvert.
6. The access driveway improvements will not result in any impact to the structural integrity of any buildings or structures associated with the SSC Facility.

Robinson+Cole

Melanie A. Bachman, Esq.
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A Certificate of Mailing verifying that this filing was sent to municipal officials and the owner of the Property is included in Attachment 5.

For the foregoing reasons, SSC respectfully submits that the proposed modifications described above to the SSC site constitute an exempt modification under R.C.S.A. § 16-50j-57(b)(2).

Sincerely,



Kenneth C. Baldwin

Enclosures

Copy to: Anthony Armagno
Amelia Boschen
Todd Preuninger

ATTACHMENT 1

PETITION NO. 1042 – Somers Solar Center, LLC Petition for a } Connecticut
Declaratory Ruling that no Certificate of Environmental }
Compatibility and Public Need is required for the construction } Siting
and operation of a 5.0 MW AC Solar Photovoltaic Project located }
at 458 & 488 South Road, Somers, Connecticut. } Council

March 21, 2013

Decision and Order

Pursuant to the foregoing Findings of Fact and Opinion, the Connecticut Siting Council (Council) finds that the effects associated with the construction and operation of a 5.0 MW AC Solar Photovoltaic Project located at 458 & 488 South Road in Somers, Connecticut would not have a substantial adverse environmental effect, would meet all applicable U.S. Environmental Protection Agency and Connecticut Department of Energy and Environmental Protection (DEEP) Ambient Air Quality Standards and Water Quality Standards, would be in accordance with stated goals of Public Act No. 11-80: *An Act Concerning the Establishment of the Department of Energy and Environmental Protection and Planning for Connecticut's Energy Future*; and therefore, would not require a Certificate of Environmental Compatibility and Public Need.

The facility shall be constructed, operated, and maintained substantially as specified in the Council's record in this matter, and is subject to the following conditions:

1. The Petitioner shall prepare a Development and Management (D&M) Plan for this site in compliance with Sections 16-50j-75 through 16-50j-77 of the Regulations of Connecticut State Agencies. The D&M Plan shall be served on the Town of Somers for comment, and all parties and intervenors as listed in the service list, and submitted to and approved by the Council prior to the commencement of facility construction and shall include:
 - a) a final plan(s) of site development to include specifications for the solar panels, supporting infrastructure, electrical equipment, equipment compound, access and maintenance roads, utility connections, and landscaping;
 - b) and construction plans for site clearing, grading, landscaping, water drainage, and erosion and sedimentation controls consistent with the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control, as amended.
2. The Petitioner shall provide the Council with written notice of commencement of site clearing, foundation construction, and commencement of site operation.
3. The Petitioner shall submit a first year operating report within three months after the conclusion of the first year of operation that includes a discussion of the number of hours of operation and the amount of energy generated by the facility.
4. Unless otherwise approved by the Council, this Decision and Order shall be void if all construction authorized herein is not completed within four years of the effective date of this Decision and Order or within four years after all appeals of this Decision and Order have been resolved.

5. The Petitioner shall provide the Council with not less than 30 days written notice that the facility plans to cease operation.
6. The Petitioner, or its successor, shall cause all equipment and appurtenances of the project to be dismantled and removed from the host property within one year after the cessation of project operations.
7. Any request for extension of the time period referred to in Condition 6 shall be filed with the Council not later than 60 days prior to the expiration date of said time period and shall be served on all parties and intervenors, as listed in the service list, and the Town of Somers. Any such request for extension shall state the reason(s) for which an extension is being sought.
8. This Declaratory Ruling may be transferred, provided both the facility owner/operator/transferor and the transferee are current with payments to the Council for their respective annual assessments and invoices under Conn. Gen. Stat. §16-50v. In addition, both the facility owner/operator/transferor and the transferee shall provide the Council with a written agreement as to the entity responsible for any quarterly assessment charges under Conn. Gen. Stat. §16-50v(b)(2) that may be associated with this facility.

By this Decision, the Council disposes of the legal rights, duties, and privileges of each party named or admitted to the proceeding in accordance with Section 16-50j-17 of the Regulations of Connecticut State Agencies.

The parties and intervenors to this proceeding are:

Petitioner	Somers Solar Center, LLC	<p>Nelson Teague Somers Solar Center, LLC c/o HelioSage LLC 117 4th Street, SE, Ste. B Charlottesville, VA 22902 434-293-7589</p> <p>Craig Wetmore Somers Solar Center, LLC c/o Clean Path Ventures 3 Embarcadero Center, Ste. 1420 San Francisco, CA 94111 415-529-3063</p> <p>Joey Lee Miranda, Esq. Robinson & Cole LLP 280 Trumbull Street Hartford, Connecticut 06103-3597 860-275-8200</p>
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Petition 1042: Somers
Decision and Order
Page 3



STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051

Phone: (860) 827-2935 Fax: (860) 827-2950

E-Mail: siting.council@ct.gov

www.ct.gov/csc

April 24, 2013

TO: Parties & Intervenors

FROM: Linda Roberts, Executive Director *LRoberts*

RE: **PETITION NO. 1042** – Somers Solar Center, LLC Declaratory Ruling that no Certificate of Environmental Compatibility and Public Need is required for the construction and operation of a 5.0 MW AC Solar Photovoltaic Project located at 458 & 488 South Road, Somers, Connecticut.

In accordance with Conn. Gen. Stat. § 4-181a (c), which provides that an agency “may, without further proceedings, modify a final decision to correct any clerical error...,” the Connecticut Siting Council hereby corrects a clerical error in the reference in the Regulations of Connecticut State Agencies in the final Somers Solar Project Decision & Order page 1. Please see the enclosed errata sheet in connection with the above-referenced proceeding.

Please remove the old page and insert the corrected one.

LR/CDM

PETITION NO. 1042 – Somers Solar Center, LLC Petition for a Declaratory Ruling that no Certificate of Environmental Compatibility and Public Need is required for the construction and operation of a 5.0 MW AC Solar Photovoltaic Project located at 458 & 488 South Road, Somers, Connecticut.	} } } }	Connecticut Siting Council
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March 21, 2013

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The facility shall be constructed, operated, and maintained substantially as specified in the Council's record in this matter, and is subject to the following conditions:

1. The Petitioner shall prepare a Development and Management (D&M) Plan for this site in compliance with Sections 16-50j-60 to 16-50j-62 of the Regulations of Connecticut State Agencies. The D&M Plan shall be served on the Town of Somers for comment, and all parties and intervenors as listed in the service list, and submitted to and approved by the Council prior to the commencement of facility construction and shall include:
 - a) a final plan(s) of site development to include specifications for the solar panels, supporting infrastructure, electrical equipment, equipment compound, access and maintenance roads, utility connections, and landscaping;
 - b) and construction plans for site clearing, grading, landscaping, water drainage, and erosion and sedimentation controls consistent with the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control, as amended.
2. The Petitioner shall provide the Council with written notice of commencement of site clearing, foundation construction, and commencement of site operation.
3. The Petitioner shall submit a first year operating report within three months after the conclusion of the first year of operation that includes a discussion of the number of hours of operation and the amount of energy generated by the facility.
4. Unless otherwise approved by the Council, this Decision and Order shall be void if all construction authorized herein is not completed within four years of the effective date of this Decision and Order or within four years after all appeals of this Decision and Order have been resolved.

ATTACHMENT 2

November ~~22~~ 2019

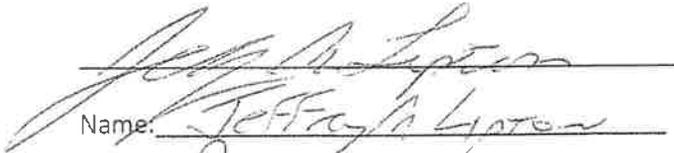
Melanie A. Bachman, Esq.
Executive Director/Staff Attorney
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

Re: **Letter of Authorization – Somers Solar Center, LLC Electric Generating Facility – 458 and 488 South Road, Somers, Connecticut – Access Road Improvements**

Dear Attorney Bachman:

Pleasant View Farms Realty Company, the owner of the above-referenced property, hereby authorizes Somers Solar Center, LLC and/or its authorized agents, to file all necessary permit applications for proposed improvements to the Somers Solar Center's access road.

Duly Authorized,


Name: Jeffrey A. Linton
Title: President

Pleasant View Farms Realty Company
458 and 488 South Road
Somers, Connecticut

ATTACHMENT 3



HOR
 HORENGINEERING, INC.
 1 INTERNATIONAL BOULEVARD
 SUITE 1000
 MAHWAH, NJ 07485-0027
 (201) 335-9300

CONSTRUCTION DRAWINGS FOR
SOMERS SOLAR SITE
 ROADWAY IMPROVEMENTS
 STORM WATER POLLUTION CONTROL PLAN
 ISSUED FOR CONSTRUCTION
 JUNE 2020

PROJECT NO. 10192893

SOMERS, CONNECTICUT



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 000-02 PROPOSED GRADING AND EROSION CONTROL PLAN - SHEET B
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 000-05 PROPOSED GRADING AND EROSION CONTROL PLAN - SHEET E
 000-06 CONSTRUCTION DETAILS

PROFESSIONAL CERTIFICATION

"I HEREBY CERTIFY THAT I AM A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF CONNECTICUT. I AM MAKING THIS CERTIFICATION IN CONNECTION WITH A REGISTRATION UNDER SUCH GENERAL PERMIT SUBMITTED TO THE SOUTH ROAD, SOMERS, CT, 06071. I CERTIFY THAT I HAVE THOROUGHLY AND CAREFULLY REVIEWED THE INFORMATION SUBMITTED TO ME FOR THE PROJECT AND THAT THE INFORMATION HAS BEEN PREPARED IN ACCORDANCE WITH THE STANDARDS OF CARE FOR PROFESSIONAL ENGINEERS IN THE STATE OF CONNECTICUT. I AM RESPONSIBLE FOR OBTAINING SUCH INFORMATION, THAT THE INFORMATION HAS BEEN PREPARED IN ACCORDANCE WITH THE STANDARDS OF CARE FOR PROFESSIONAL ENGINEERS IN THE STATE OF CONNECTICUT, AND THAT THE CONTROLS REQUIRED FOR SUCH PLAN ARE APPROPRIATE TO THE PROJECT AND THAT THE INFORMATION IS COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF. I ALSO UNDERSTAND THAT KNOWLEDGE MAKING ANY FALSE STATEMENT IN THIS CERTIFICATION IS A CRIMINAL OFFENSE, INCLUDING THE VIOLATION OF THE ANTI-TRUST ACT, UNDER SECTION 36-51B OF THE CONN. GEN. STAT. AND ANY OTHER APPLICABLE LAW."



CT PEN 0027676

EROSION & SEDIMENT CONTROL NOTES:

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH ALL APPLICABLE PERMITS, AS WELL AS THE CONNECTICUT GUIDELINES FOR SEDIMENT AND EROSION CONTROL DATED MAY 2002 OR LATEST VERSION. SIMILARLY ALL WORK SHALL BE CONDUCTED PER THE TERMS AND CONDITIONS OF THE GENERAL PERMIT FOR THE DISCHARGE OF STORMWATER AND DEWATERING WASTEWATERS FROM CONSTRUCTION ACTIVITIES, AS APPLICABLE.
- ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES INCLUDING COMPOST FILTER SOCKS (CFS) AND SILT FENCE SHALL BE INSTALLED PRIOR TO ANY MAJOR SOIL DISTURBANCE, AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED. AREAS OUTSIDE OF THE PERIMETER SEDIMENT CONTROL SYSTEM SHALL NOT BE DISTURBED. SOIL EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSPECTED AND MAINTAINED ON A REGULAR BASIS IN ACCORDANCE WITH THE CONNECTICUT STANDARDS, INCLUDING AFTER EVERY MAJOR STORM EVENT (I.E. 0.5 INCH OR GREATER PER 24-HOUR PERIOD).
- ANY DISTURBED AREA AND STOCKPILED MATERIALS THAT WILL BE LEFT EXPOSED FOR MORE THAN FOURTEEN (14) DAYS AND NOT SUBJECT TO CONSTRUCTION TRAFFIC SHALL RECEIVE A TEMPORARY SEEDING AND MULCHING. SOIL STABILIZATION SHALL BE COMPLETED WITHIN SEVEN (7) DAYS. IF THE SEASON PROHIBITS TEMPORARY SEEDING, THE DISTURBED AREA SHALL BE MULCHED WITH HAY MULCH/CLEAN STRAW OR EQUIVALENT AND BOUND IN ACCORDANCE WITH THE CONNECTICUT STANDARDS. (I.E. PEG AND TWINE, MULCH NETTING, OR LIQUID MULCH BINDER). IF SOIL EROSION CONTINUES, THE AREA SHALL BE STABILIZED WITH EROSION CONTROL MATTING IN ACCORDANCE WITH THE CONNECTICUT STANDARDS.
- THE SITE SHALL AT ALL TIMES BE GRADED AND MAINTAINED SUCH THAT ALL STORMWATER RUNOFF IS DIVERTED TO SOIL EROSION AND SEDIMENT CONTROL FACILITIES PRIOR TO DISCHARGING OFF SITE OR INTO ANY NEARBY RECEIVING INLETS, CHANNELS OR WATER BODIES.
- MAXIMUM SIDE SLOPES SHALL NOT EXCEED (H:V) 2:1 FOR EARTH SURFACES OR FOR ROCK SURFACES, UNLESS OTHERWISE SHOWN/NOTED ON DRAWINGS OR SPECIFIED IN CONTRACT DOCUMENTS. ANY SIDE SLOPE REVISION MUST BE APPROVED BY THE ENGINEER.
- STORM DRAINAGE OUTLETS, IF ENCOUNTERED, WILL BE PROTECTED, AS REQUIRED, BEFORE THE DISCHARGE POINTS BECOME OPERATIONAL.
- DUST SHALL BE CONTROLLED VIA THE APPLICATION OF UNCONTAMINATED WATER OR OTHER APPROVED METHOD IN ACCORDANCE WITH THE CONNECTICUT STANDARDS.
- A STABILIZED CONSTRUCTION ENTRANCE SHALL BE INSTALLED AT ALL POINTS OF ACCESS WHERE A DISTURBED AREA MEETS AN IMPERVIOUS SURFACE.
- THE LOCATION AND EXTENT OF EROSION AND SEDIMENT CONTROL MEASURES SHALL BE DETERMINED BY THE ENGINEER. THE SEVERITY OF EROSION AND SEDIMENT CONTROL SHALL BE BASED ON THE QUANTITY OR DIRECTION OF SURFACE RUNOFF FROM THE CONSTRUCTION AREAS.
- CLEARING SHALL BE LIMITED TO AREAS REQUIRED FOR IMMEDIATE CONSTRUCTION ACTIVITIES. MASS CLEARING AND GRADING OF SITES SHALL BE AVOIDED.
- REMOVED SEDIMENT SHALL BE DISPOSED OF IN SUCH MANNER AS TO ENSURE FURTHER SEDIMENT TRANSPORT DOES NOT OCCUR.
- THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ANY MATERIAL BROUGHT ON SITE IS CLEAN FILL.
- FINAL STABILIZATION SHALL BE DETERMINED BY A QUALIFIED INSPECTOR.
- SEDIMENT SHALL BE REMOVED WHEN ACCUMULATION REACHES HALF THE ABOVE GROUND HEIGHT OF THE SOCK AND SEDIMENT SHALL BE DISPOSED OF IN LANDSCAPED AREAS OUTSIDE OF THE STEEP SLOPES OR PLACED IN CONICAL STORAGE BINS. CONICAL STORAGE BINS SHALL BE REPAIRED IN THE MANNER REQUIRED BY THE MANUFACTURER OR REPLACED WITHIN 24 HOURS OF INSPECTION.
- ALL EXCAVATED MATERIAL SHALL BE DISPOSED OF ON AN UPLAND SITE AND BE SUITABLY STABILIZED SO THAT IT CANNOT REASONABLY ENTER ANY WATER BODY OR WETLAND AREA.

SEQUENCE OF CONSTRUCTION:

- MAKE AN 811 UTILITY MARK OUT CALL AT LEAST THREE DAYS PRIOR TO CONSTRUCTION ACTIVITIES BEGINNING.
- INSTALL PERIMETER SEDIMENT CONTROLS.
- INSTALL STABILIZED CONSTRUCTION ENTRANCE.
- CLEAR AND ESTABLISH THE SITE OF THE STAGING AREA AS REQUIRED.
- INITIATE ROUTINE EROSION AND SEDIMENT CONTROL INSPECTIONS.
- INSTALL ADDITIONAL EROSION AND SEDIMENT CONTROLS ACCORDING TO PLAN.
- STRIP AND STOCKPILE SOIL AND GRAVEL FROM EXISTING ACCESS ROAD AS NEEDED.
- PERFORM COMPACTION OF SUBGRADE AS REQUIRED AND STABILIZE WITH INSTALLATION OF FILTER FABRIC.
- PERFORM INSTALLATION OF THE 4-INCH STONE BASE LAYER. REFER TO RELATED DETAILS IN THE ESC PLAN SET.
- PERFORM INSTALLATION OF THE 6-INCH AGGREGATE (GRAVEL) LAYER. REFER TO RELATED DETAILS IN THE ESC PLAN SET.
- ONCE ALL ROAD REPAIR WORK IS COMPLETE, REMOVE ANY REMAINING STOCKPILES WITHIN THE STAGING AREA.
- RE-APPLY TOPSOIL AND INSTALL PERMANENT SEEDING, FERTILIZER, AND MULCH IN THE STAGING AREA OR WHERE NEEDED ALONG THE FRINGE OF THE ACCESS ROAD.
- REMOVE ALL SEDIMENT CONTROL PRODUCTS ONLY AFTER SOILS ARE STABILIZED WITH VEGETATION TO A MINIMUM OF 85% COVERAGE.

Item No.	Description	Quantity	Unit	Remarks
1	Gravel	15	cu yd	
2	Gravel	15	cu yd	
3	Gravel	15	cu yd	
4	Gravel	15	cu yd	
5	Gravel	15	cu yd	
6	Gravel	15	cu yd	
7	Gravel	15	cu yd	
8	Gravel	15	cu yd	
9	Gravel	15	cu yd	
10	Gravel	15	cu yd	
11	Gravel	15	cu yd	
12	Gravel	15	cu yd	
13	Gravel	15	cu yd	
14	Gravel	15	cu yd	
15	Gravel	15	cu yd	



HDR ENGINEERING, INC.
 1 INTERNATIONAL BOULEVARD
 SUITE 1000
 NAWAHO, NJ 07465-0027
 (201) 335-5300

NO.	ISSUE DATE	DESCRIPTION

PROJECT MANAGER: C. HARRIS
 DESIGNED BY: J. DENNIS
 CHECKED BY: M. FROST
 DRAWN BY: M. FROST
 PROJECT NUMBER: 150003

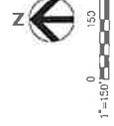


Dominion Energy
 DOMINION ENERGY
 SOMERS SOLAR SITE
 ROADWAY IMPROVEMENTS

GENERAL NOTES AND SEQUENCE OF CONSTRUCTION
 SCALE: AS SHOWN
 SHEET 00G-01

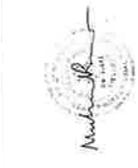


NOTES:
 1. SURVEY PROVIDED BY MESSERMAN SURVEYING INC
 BASED ON A FIELD UPDATE THAT OCCURRED ON
 11/15/11. ALL HORIZONTAL AND VERTICAL DIMENSIONS
 TO CONNECTICUT STATE PLANE WAD 83 FEET.
 VERTICAL DATUM REFERS TO NAVD83 FEET.



**EXISTING CONDITIONS
 OVERALL SITE PLAN**

DOMINION ENERGY
 SOMERS SOLAR SITE
 ROADWAY IMPROVEMENTS



PROJECT MANAGER: C. GARBER
DESIGNED BY: J. SENESE
CHECKED BY: M. PALCO
DRAWN BY: N. RAJASOJA
PROJECT NUMBER: 101233

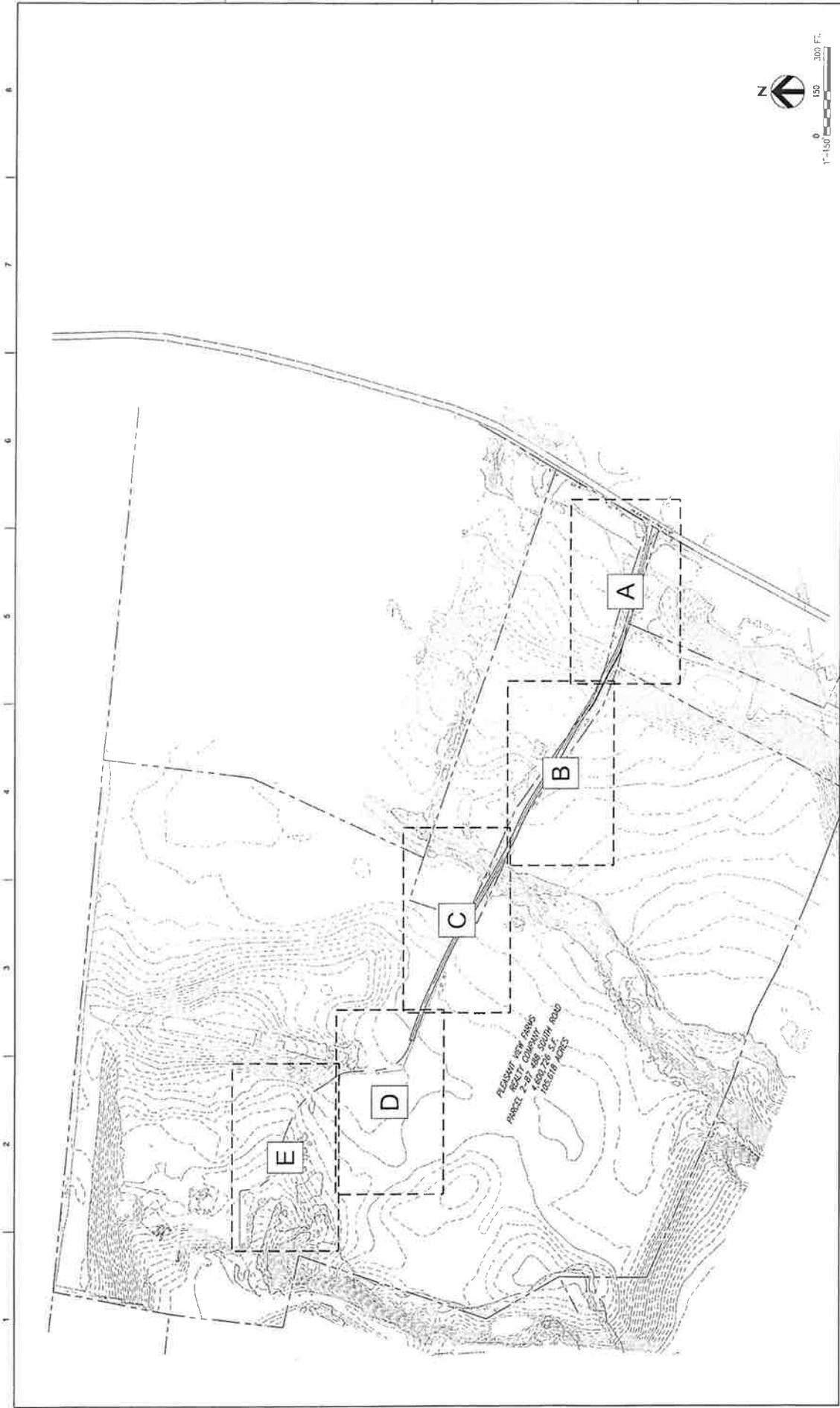
ISSUE	DATE	DESCRIPTION
0	06/20/11	ISSUED FOR CONSTRUCTION

HDR ENGINEERING, INC.
 1 INTERNATIONAL BOULEVARD
 SUITE 1000
 MAHWAH, NJ 07485-0027
 (201) 335-9300



SHEET
00V-01

FILENAME: 00V-01.dwg
 SCALE: 1" = 150'



FLECKWIT NEW FRINGS
 ROAD, COMPANY
 PARCEL 2, 407 580 SOUTH ROAD
 1400 7th ST.
 1000018 APRES



**PROPOSED CONDITIONS
 OVERALL SITE PLAN
 AND KEY MAP**

SHEET
 00C-01

PLANSHEET
 SCALE 1" = 150'



**DOMINION ENERGY
 SOMERS SOLAR SITE
 ROADWAY IMPROVEMENTS**

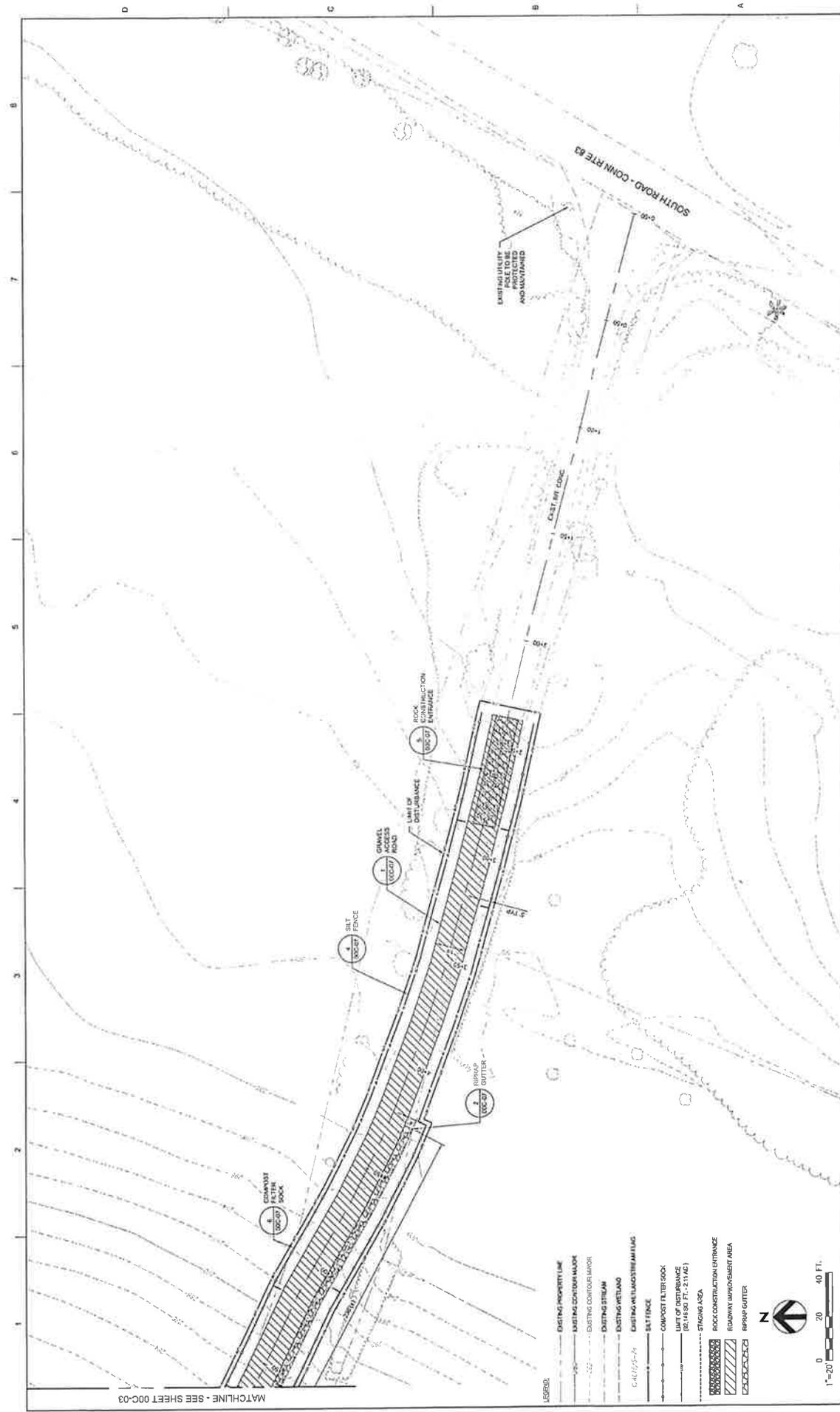


PROJECT MANAGER: C. HANCO
DESIGNED BY: J. EVANS
CHECKED BY: M. POCOCK
DRAWN BY: N. HUGALESSA
PROJECT NUMBER: 17010181

ISSUE	DATE	DESCRIPTION
0	06/27/23	ISSUED FOR CONSTRUCTION

HDR ENGINEERING, INC.
 1 INTERNATIONAL BOULEVARD
 SUITE 1000
 MAPPAHAN, VA 07685-0027
 (201) 335-6300





MATCHLINE - SEE SHEET 00C-03

- LEGEND**
- EXISTING PROPERTY LINE
 - EXISTING CONTOUR MARKER
 - EXISTING CONTOUR MARKER
 - EXISTING STREAM
 - EXISTING UTILITY
 - EXISTING UTILITY WITH PROTECTIVE FLAG
 - COMPOSITE TIER ROCK
 - GRANULATED ASPHALT PAVEMENT
 - GRAVEL ACCESS ROAD
 - STAGING AREA
 - ROCK CONSTRUCTION ENTRANCE
 - ROADWAY IMPROVEMENT AREA
 - ROADWAY GUTTER



PROPOSED GRADING AND EROSION CONTROL PLAN SHEET A

FILENAME: 00C-03-05.dwg
SCALE: 1" = 20'
SHEET: 00C-02

DOMINION ENERGY

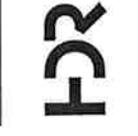
SOMERS SOLAR SITE ROADWAY IMPROVEMENTS

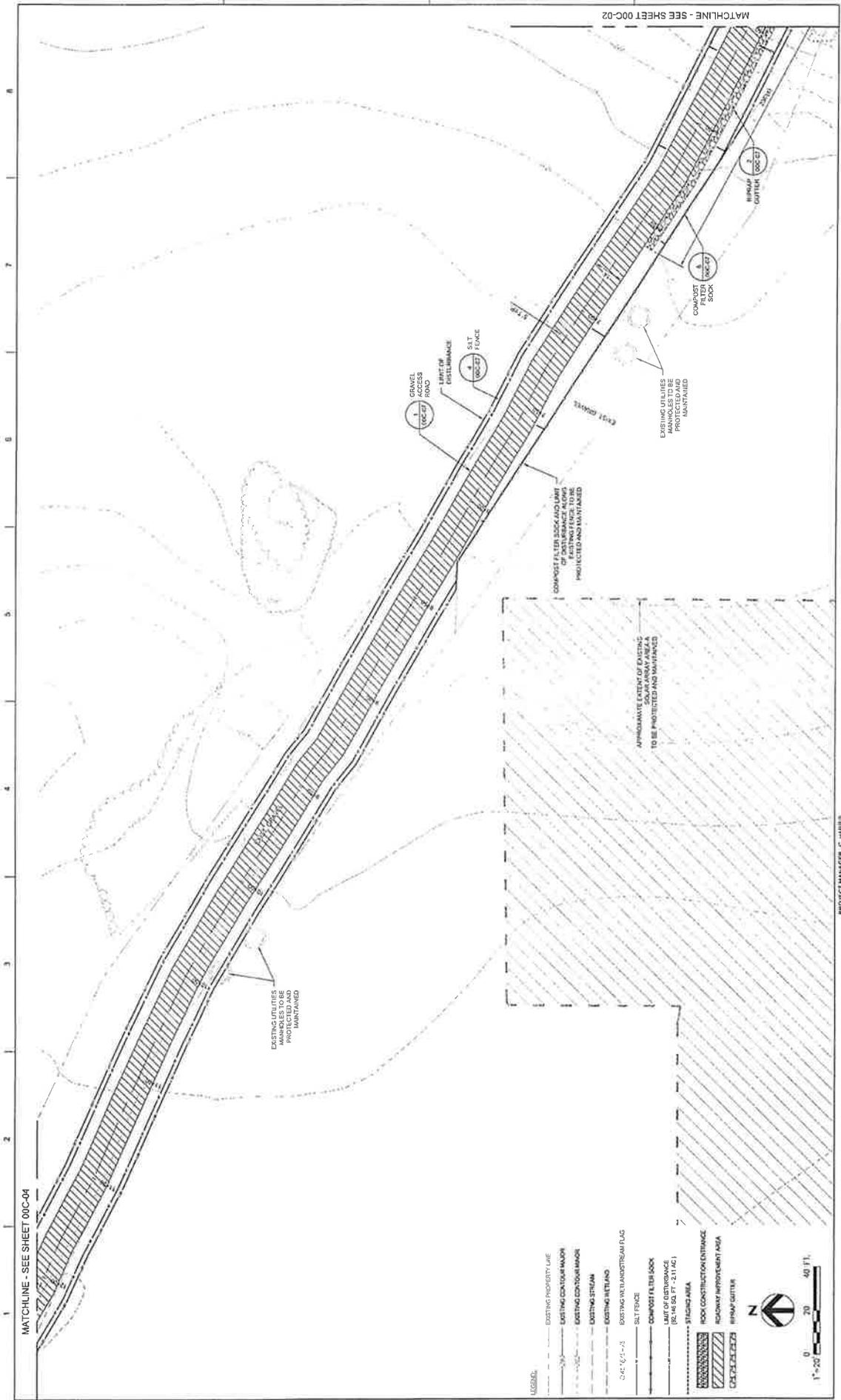
PROJECT MANAGER: C. HARRIS
DESIGNED BY: J. DENNIS
CHECKED BY: M. PUCCI
DRAWN BY: H. INGRAMMA

ISSUE	DATE	DESCRIPTION
1	05/20/20	ISSUED FOR CONSTRUCTION

PROJECT NUMBER	DATE
1012531	05/20/20

HDR ENGINEERING, INC.
1 INTERNATIONAL BOULEVARD
SUITE 1000
MORRISTOWN, NJ 07960-0027
(201) 355-9300





MATCHLINE - SEE SHEET 00C-04

MATCHLINE - SEE SHEET 00C-02

- LEGEND:**
- EXISTING PROPERTY LINE
 - - - EXISTING CONTROL MARK
 - - - EXISTING CONTROL MARK
 - - - EXISTING STREAM
 - - - EXISTING RETIUNG
 - 5/4" x 1/2" EXISTING W/ TRANSFER FLAG
 - SALT FENCE
 - COMPOSITE FILTER SOCK (82.14 SQ. FT. - 2.11 AC.)
 - SALT FORCE (82.14 SQ. FT. - 2.11 AC.)
 - STENO AREA
 - ROAD CONSTRUCTION ENTRANCE
 - ROADWAY IMPROVEMENT AREA
 - W/PAV. OUTLET



HDR
 HDR ENGINEERING, INC.
 1 INTERNATIONAL BOULEVARD
 SUITE 1000
 MAHWAH, NJ 07485-0027
 (201) 335-9300

ISSUE	DATE	DESCRIPTION
0	06/20/23	ISSUED FOR CONSTRUCTION

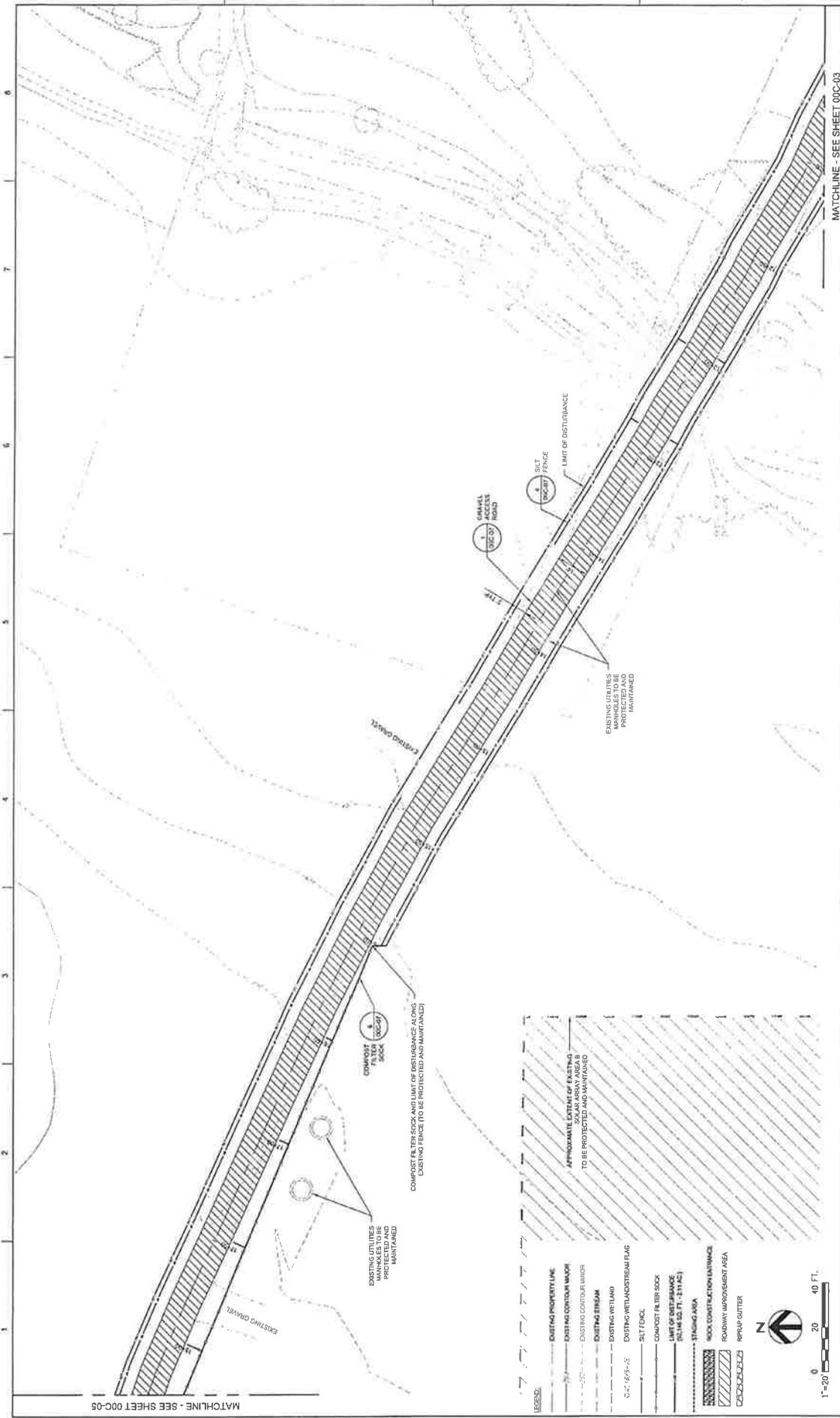
PROJECT MANAGER	C. HAMBS
DESIGNED BY	J. DENNIS
CHECKED BY	M. PUGGI
DRAWN BY	H. INGALEGA

M. PUGGI
 PROJECT NUMBER: 1810243

Dominion Energy
 DOMINION ENERGY
 SOMERS SOLAR SITE
 ROADWAY IMPROVEMENTS

PROPOSED GRADING AND
 EROSION CONTROL PLAN
 SHEET B

FILENAME: 00C-02-06.dwg
 SCALE: 1" = 20'
 SHEET: 00C-03



MATCHLINE - SEE SHEET 00C-05

MATCHLINE - SEE SHEET 00C-03

**PROPOSED GRADING AND
EROSION CONTROL PLAN
SHEET C**

**DOMINION ENERGY
SOMERS SOLAR SITE
ROADWAY IMPROVEMENTS**



PROJECT MANAGER: C. MORRIS

DESIGNED BY: J. DEANS

CHECKED BY: M. PUCCI

DRAWN BY: N. INKALOVA

PROJECT NUMBER: 101010

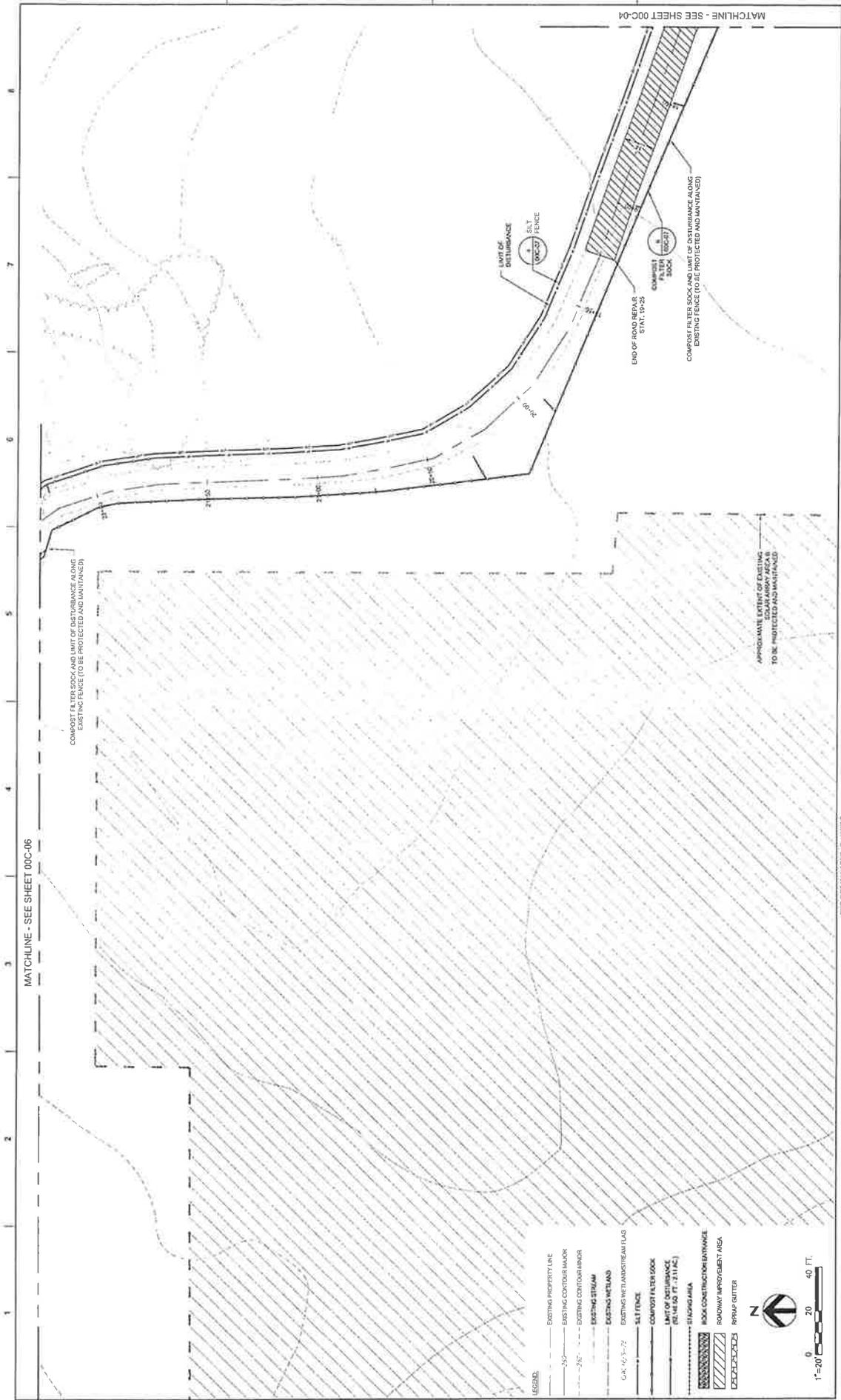
ISSUE	DATE	DESCRIPTION
0	06/05/20	ISSUED FOR CONSTRUCTION

HDR ENGINEERING, INC.
1 INTERNATIONAL BOULEVARD
SUITE 1000
FAIRFAX, VA 22031
(703) 335-5500



SHEET
00C-04

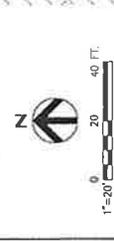
FILENAME: 00C-04-01.dwg
SCALE: 1" = 20'



MATCHLINE - SEE SHEET 00C-06

MATCHLINE - SEE SHEET 00C-04

- LEGEND:**
- EXISTING PROPERTY LINE
 - - - EXISTING CONTOUR MAJOR
 - - - EXISTING CONTOUR MINOR
 - EXISTING STREAM
 - EXISTING WETLAND
 - EXISTING WETLAND/STREAM LEAD
 - SILT FENCE
 - COMPOSITE FILTER SOCK
 - ROADWAY IMPROVEMENT AREA
 - RAMP GUTTER
 - ROADWAY IMPROVEMENT AREA
 - RAMP GUTTER



PROJECT MANAGER	DATE
DESIGNED BY	DATE
CHECKED BY	DATE
DRAWN BY	DATE
PROJECT NUMBER	131223

ISSUE	DATE	DESCRIPTION
0	06/20/20	ISSUED FOR CONSTRUCTION

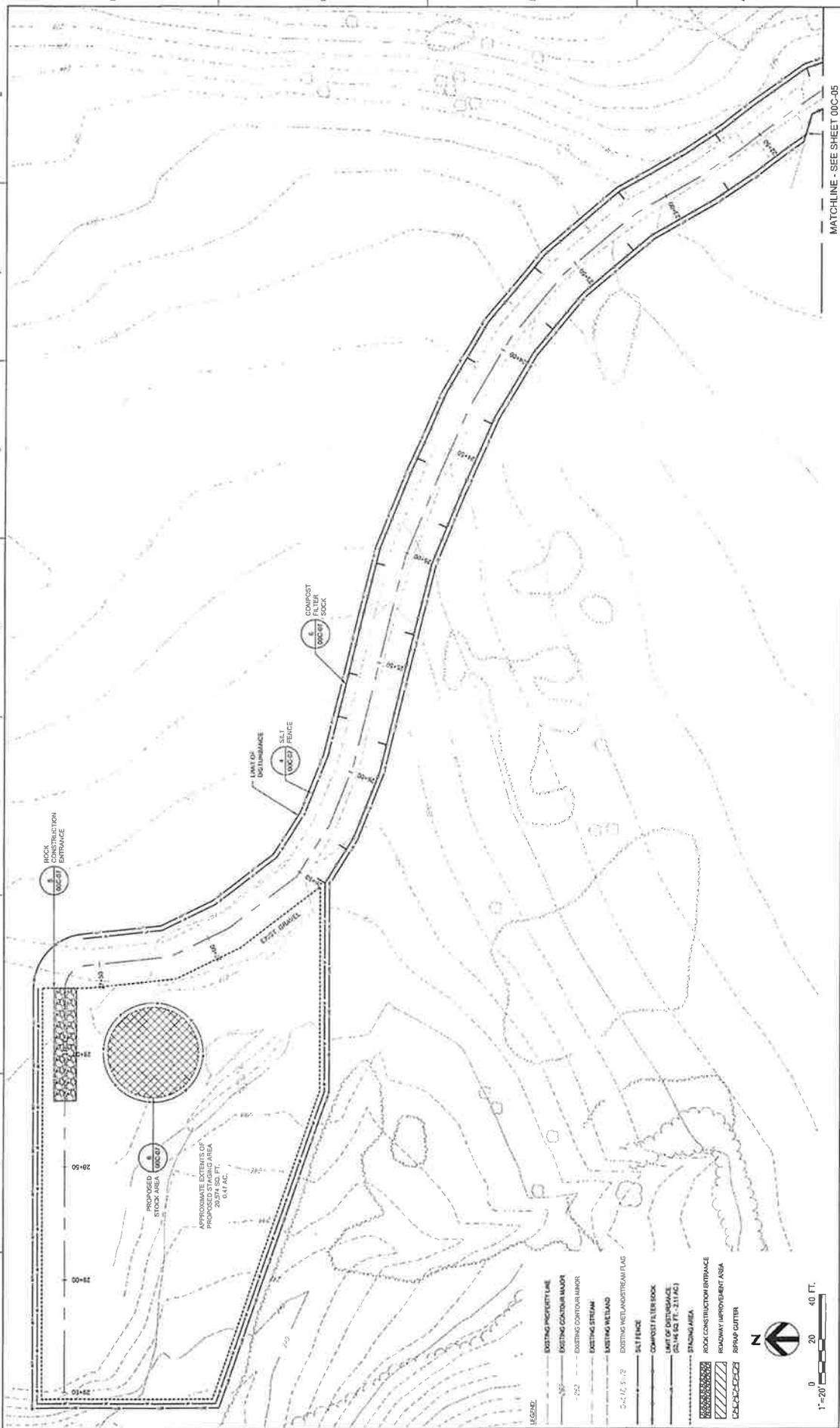
HOR ENGINEERING, INC.
 1 INTERNATIONAL BOULEVARD
 SUITE 1000
 MAHAHA, NJ 07485-0027
 (201) 355-9300



**DOMINION ENERGY
 SOMERS SOLAR SITE
 ROADWAY IMPROVEMENTS**

**PROPOSED GRADING AND
 EROSION CONTROL PLAN
 SHEET D**

FILENAME: 131223.dwg
 SCALE: 1" = 20'
 SHEET: 00C-05



MATCHLINE - SEE SHEET 00C-05

PROPOSED GRADING AND EROSION CONTROL PLAN SHEET E

FILENAME: 00C05-06.dwg
SCALE: 1" = 20'

SHEET: 00C-06

DOMINION ENERGY
DOMINION ENERGY
SOMERS SOLAR SITE
ROADWAY IMPROVEMENTS

PROJECT MANAGER: C. JAMES
DESIGNED BY: J. DENNIS
CHECKED BY: H. TUCKER
DRAWN BY: H. AGUIAR
PROJECT NUMBER: 10121240

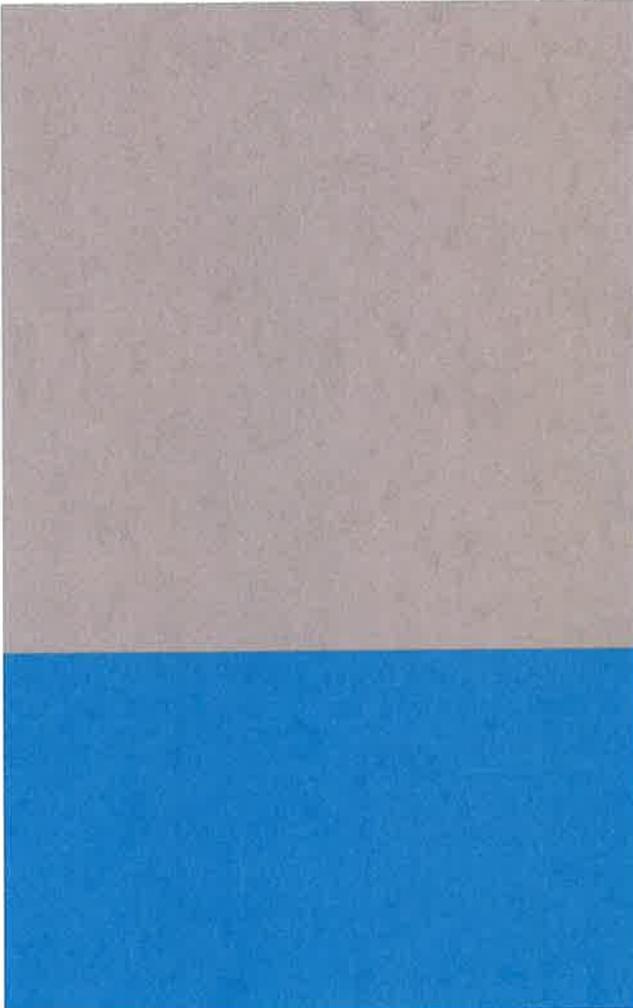
ISSUE DATE DESCRIPTION

0	02/20/20	ISSUE FOR CONSTRUCTION
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HDR ENGINEERING, INC.
1 INTERNATIONAL BOULEVARD
SUITE 1000
MAHWAH, NJ 07485-0027
(201) 335-8300

HDR

ATTACHMENT 4



Wetlands and Watercourse Delineation Report

Somers Solar Center LLC
(a subsidiary of Dominion Energy)

Somers, Connecticut

July 2020





Contents

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1.2	Wetlands.....	2
1.3	Soil Pits.....	3
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1.3.2	Soil Pit East (Wetland).....	3
1.3.3	Soil Pit West (Upland)	3
1.3.4	Soil Pit West (Wetland).....	4
2	Conclusions.....	4

Attachments

Attachment 1	USDA Soil Survey Map Section
Attachment 2	NWI Map Section
Attachment 3	Wetland Delineation Data Sheets
Attachment 4	Site Photographs
Attachment 5	Wetland and Watercourse Delineation Plan Sheet

1 Introduction

Wetlands and watercourses on a portion of the Dominion Energy Environmental Services site in Somers, Tolland County, Connecticut were delineated on 30 March 2020 by two HDR wetlands scientists, Mr. Stephen Seymour, PWS, and Mr. James Eberhardt. The wetlands were delineated using the three-parameter approach as described in the January 2012 United States Army Corps of Engineers (USACE) Wetlands Delineation Manual (Environmental Laboratory; 1987) and the Regional Supplement to the USACE Northcentral and Northeast Region (Version 2.0, USACE, 2012).

With the proper installation and maintenance of soil erosion and sedimentation controls as shown on the project construction drawings (titled “Construction Drawings for Somers Solar Site – Roadway improvements – Storm Water Pollution Control Plans – Issued for Construction June 2020”), we do not anticipate that the road resurfacing activity will have an adverse effect on the stream and associated wetlands described in this report.

At the time of the survey there was no snow on the ground nor frost in the ground and wetland and upland vegetation were readily identifiable. The wetland and watercourse boundaries were marked with consecutively numbered fluorescent flags; the flag points were recorded by GPS (XPro) by HDR and formally surveyed by Aeschliman Land Surveying, PC of East Hartford, CT. There had been a one-inch rainfall (as measured in Dominion Energy’s on-site rain gauge) on the day prior (3/29/20) to the delineation survey; thus field conditions were noted as “not normal” on the delineation data sheets due to the potential for an elevated water table.

Prior to the field survey, the United State Fish and Wildlife Service’s National Wetlands Inventory (NWI) was consulted for mapped resources on the site. The main watercourse (an unnamed, perennial tributary of Abbey Brook) is mapped as a “PFO1E” (Palustrine forested, broad-leaved deciduous vegetation, seasonally flooded/saturated) wetland from the downstream limit to a point about fifty feet above the existing culvert crossing, and as a “PEM1E” (Palustrine emergent, persistent vegetation, seasonally flooded/saturated) wetland from that point upstream, including a westward flowing tributary to the stream. Abbey Brook is a tributary to the Scantic River, which is a tributary to the Connecticut River. The wetlands bordering the principal watercourse are not mapped by NWI. Based on records obtained from CTDEEP, the Abbey Brook in Somers is considered an impaired water body as a result of E. Coli pollution and is scheduled to receive designation as a TMDL watercourse in 2021.



The following supporting documents are attached:

- A USDA Soil Survey map section,
- A National Wetland Inventory Map Section,
- Completed wetland delineation data sheets,
- A photograph log of the soil pits and study area, and
- A plan sheet detailing the wetland and watercourse delineation results.

The wetland and watercourse boundaries are to be considered as provisional until verified by the local, state and/or federal agencies.

1.1 Watercourses

The principal watercourse on the site flows south through the study area and has been channelized north of the existing culvert crossing. The watercourse has a moderate gradient downstream of the crossing with an average depth of less than one foot. The substrate is sand and cobbles; some bank undercutting and scouring was observed. Upstream of the crossing the stream has been channelized and features a straight flowpath with a fringe of reed canary grass-dominated wetlands along both banks. A westward-flowing tributary stream which enters the main watercourse near the north limit of the study area was also flagged for about 200 feet to the east. The main watercourse appears to be perennial and the westward-flowing tributary appears to be an ephemeral watercourse.

The streambanks were flagged at the apparent Ordinary High Water Mark, based on scouring, drift lines, and accumulated waterborne plant debris. The downstream/south side of the culvert is a 60-inch diameter corrugated steel pipe; the upstream/north side is a cast concrete pipe. The culvert was not blocked and flowing freely at the time of the delineation. The culvert is at-grade and does not present an impediment to aquatic life passage. The linear footage of watercourse mapped in the work zone is 484 feet; the area is 5,771 square feet.

1.2 Wetlands

The wetlands south/downstream of the culvert crossing consist of discontinuous patches of palustrine forested wetlands adjacent to the perennial stream. Dominant vegetation in the downstream wetlands consisted of red maple, skunk cabbage, and cinnamon fern; multiple trunks and surface roots (both indicators of a high water table) were note on the red maples. Other vegetation observed in the wetlands consisted of moneywort (FACW), sensitive fern (FACW), Japanese barberry (FACU), and multiflora rose (FACU). The area of forested wetland in the work zone is 336 square feet. Upstream of the culvert crossing there is herbaceous wetland consisting of a fringe of

reed canary grass-dominated wetlands along both banks. The area of herbaceous wetland in the work zone is 1,870 square feet.

1.3 Soil Pits

One pair (wetland/upland) of soil pits were constructed east of the watercourse and one pair to the west downstream of the culvert crossing. The soil pits were constructed using a narrow-bladed shovel to a depth of 20 inches below ground surface with a narrow-bladed shovel; the soil characteristics were noted using a Munsell chart, and depth to saturation and groundwater noted and photodocumented. The soil pits were backfilled after all information was collected. A description of each soil pit and conclusions on wetland/upland status is as follows:

1.3.1 Soil Pit East (Upland)

Surface soils (0 – 9" BGS) consisted of a 3/2 7.5YR organic loam with tree roots and a subsoil (9 – 20" BGS) consisting of a 4/6 7.5YR silty loam with 10% rock fragments. No evidence of hydrology was observed. Dominant vegetation consisted of red maple (FAC) and ironwood (FAC) in the tree stratum and ironwood in the sapling/shrub stratum. The dominance test for wetland-indicative vegetation was 75% though the prevalence index was 3.28 thus the vegetation was considered non-wetland. No morphological plant adaptations to a high water table were observed. The area was deemed to be upland.

1.3.2 Soil Pit East (Wetland)

Surface soils (0 – 4" BGS) consisted of a 3/3 10YR sandy organic loam and a subsoil (4 – 20" BGS) consisting of a 4/2 10YR matrix (80%) with a 5/4 10YR mottle (20%). Soils were saturated at a depth of seven inches BGS and the water table was encountered at 13" BGS. Dominant vegetation consisted of red maple (FAC), Japanese barberry (FACU), multiflora rose (FACU), skunk cabbage (OBL), cinnamon fern (FACW), jewelweed (FACW), moneywort (FACW), and summer grape (FACU). The dominance test for wetland-indicative vegetation was 63% and the prevalence index was 2.7 thus the vegetation was considered wetland-indicative. Surface roots on the red maples and oxidized rhizospheres on living plant roots were observed. The stream channel is slightly incised by the wetland and the source of hydrology for the wetland appears to be groundwater seepage. The area was deemed to be wetland.

1.3.3 Soil Pit West (Upland)

Surface soils (0 – 3" BGS) consisted of a 3/2 7.5YR organic loam with tree roots, a shallow subsoil (3 – 16" BGS) consisting of a 4/6 7.5YR silty loam, and a deeper (16 – 20" BGS) subsoil consisting of a 4/3 7.5YR silty loam with clay. No evidence of hydrology was observed. Dominant vegetation consisted of red maple (FAC),



American elm (FACW), multiflora rose (FACU), greater celandine (UPL), Asian bittersweet (UPL), and summer grape (FACU). The dominance test for wetland-indicative vegetation was 33% and the prevalence index was 3.6 thus the vegetation was considered non-wetland. No morphological plant adaptations to a high water table were observed. The area was deemed to be upland.

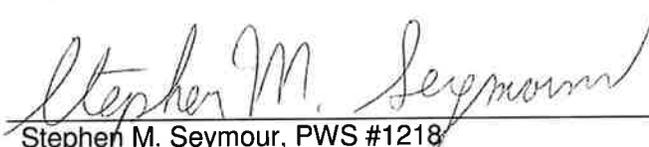
1.3.4 Soil Pit West (Wetland)

Surface soils (0 – 8” BGS) consisted of a 3/1 7.5YR clay and organic loam and a subsoil (8 – 20” BGS) consisting of a 3/1 7.5YR sandy clay with fine gravel. Soils were saturated at a depth of nine inches BGS and the water table was encountered at a depth of 14” BGS. Other hydrologic indicators observed were water-stained fallen leaves and oxidized rhizospheres on living plant roots. Dominant vegetation consisted of red maple (FAC), black cherry (FACU), spicebush (FACW), skunk cabbage (OBL), cinnamon fern (FACW), and summer grape (FACU). The dominance test for wetland-indicative vegetation was 66% and the prevalence index was 2.26 thus the vegetation was considered wetland-indicative. The source of hydrology for the wetland appears to be groundwater seepage. The area was deemed to be wetland.

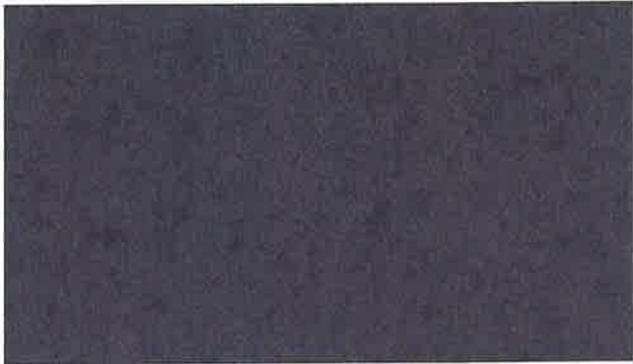
2 Conclusions

The study area contains jurisdictional wetlands and watercourses. The principal wetland function appears to be wildlife habitat.

Signed:

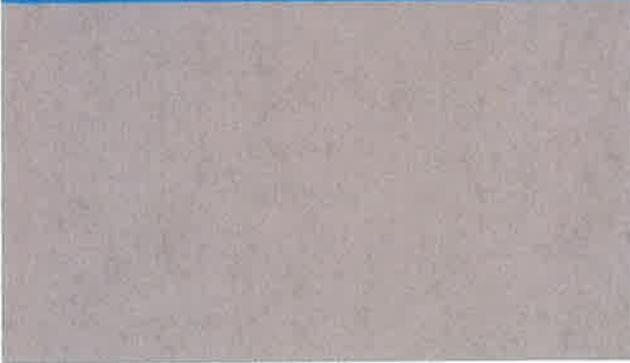
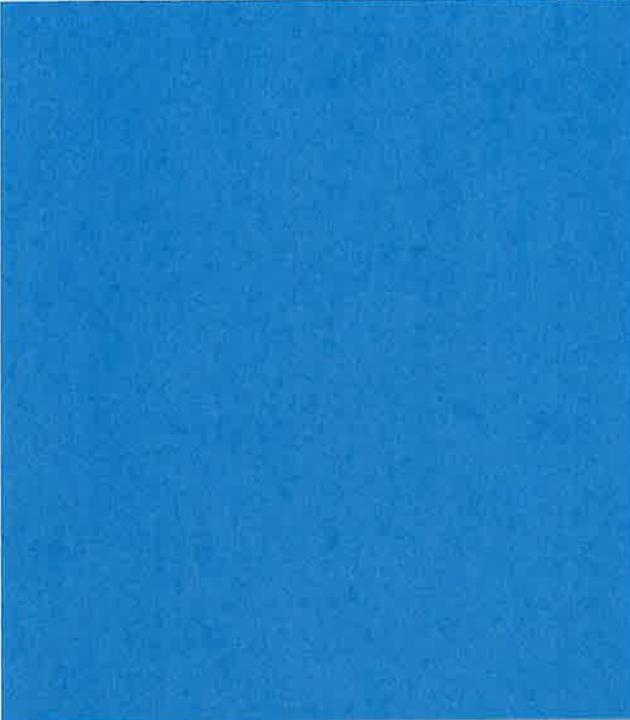


Stephen M. Seymour, PWS #1218

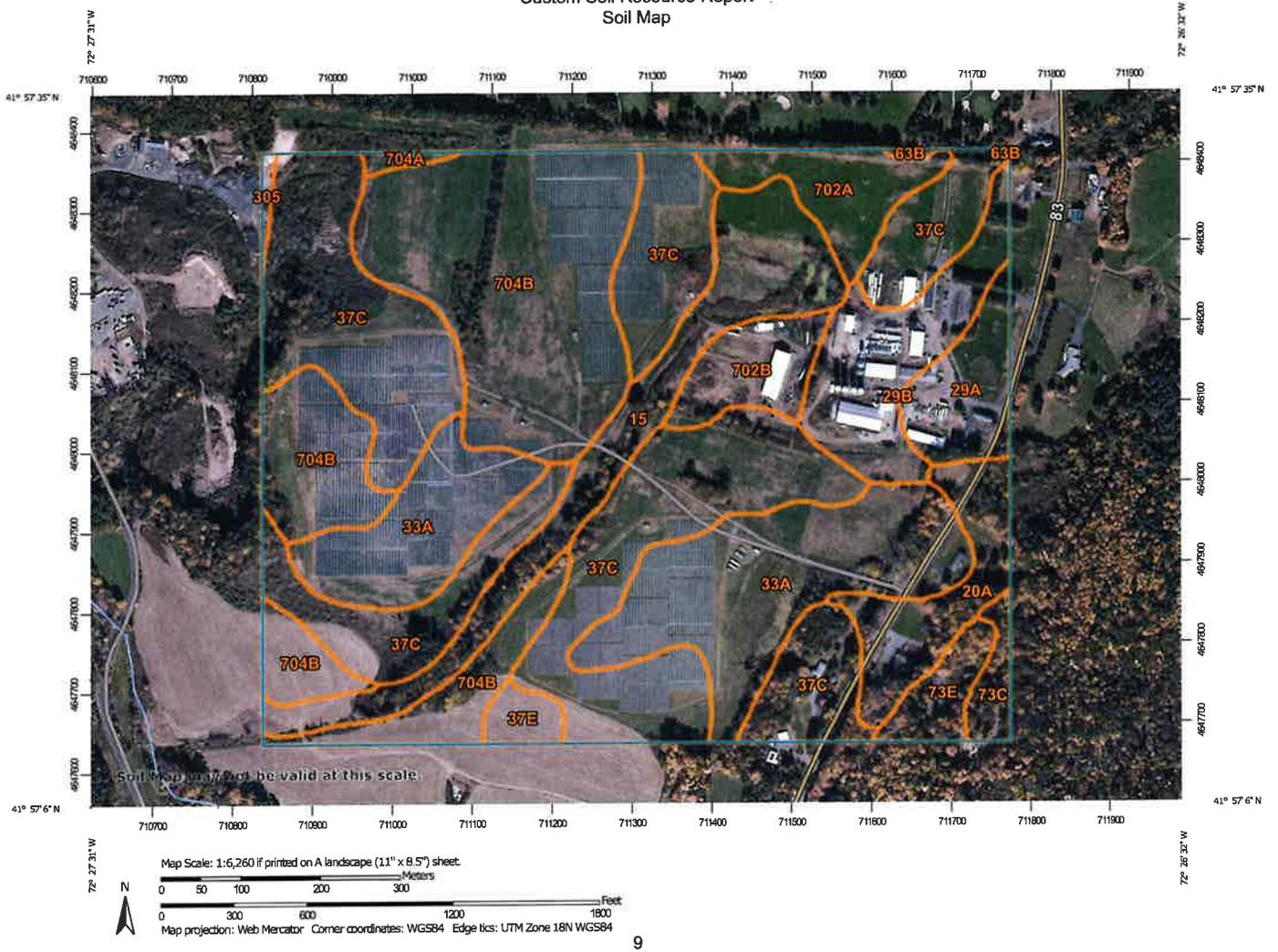


Attachment 1

USDA Soil Survey Map
Section



Custom Soil Resource Report
Soil Map



MAP LEGEND

Area of Interest (AOI)	 Area of Interest (AOI)	 Spoil Area
Soils	 Soil Map Unit Polygons	 Stony Spot
	 Soil Map Unit Lines	 Very Stony Spot
	 Soil Map Unit Points	 Wet Spot
Special Point Features		 Other
 Blowout		 Special Line Features
 Borrow Pit	Water Features	
 Clay Spot	 Streams and Canals	
 Closed Depression	Transportation	
 Gravel Pit	 Rails	
 Gravelly Spot	 Interstate Highways	
 Landfill	 US Routes	
 Lava Flow	 Major Roads	
 Marsh or swamp	 Local Roads	
 Mine or Quarry	Background	
 Miscellaneous Water	 Aerial Photography	
 Perennial Water		
 Rock Outcrop		
 Saline Spot		
 Sandy Spot		
 Severely Eroded Spot		
 Sinkhole		
 Slide or Slip		
 Sodic Spot		

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:12,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
 Web Soil Survey URL:
 Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: State of Connecticut
 Survey Area Data: Version 19, Sep 13, 2019

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Sep 3, 2019—Oct 22, 2019

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

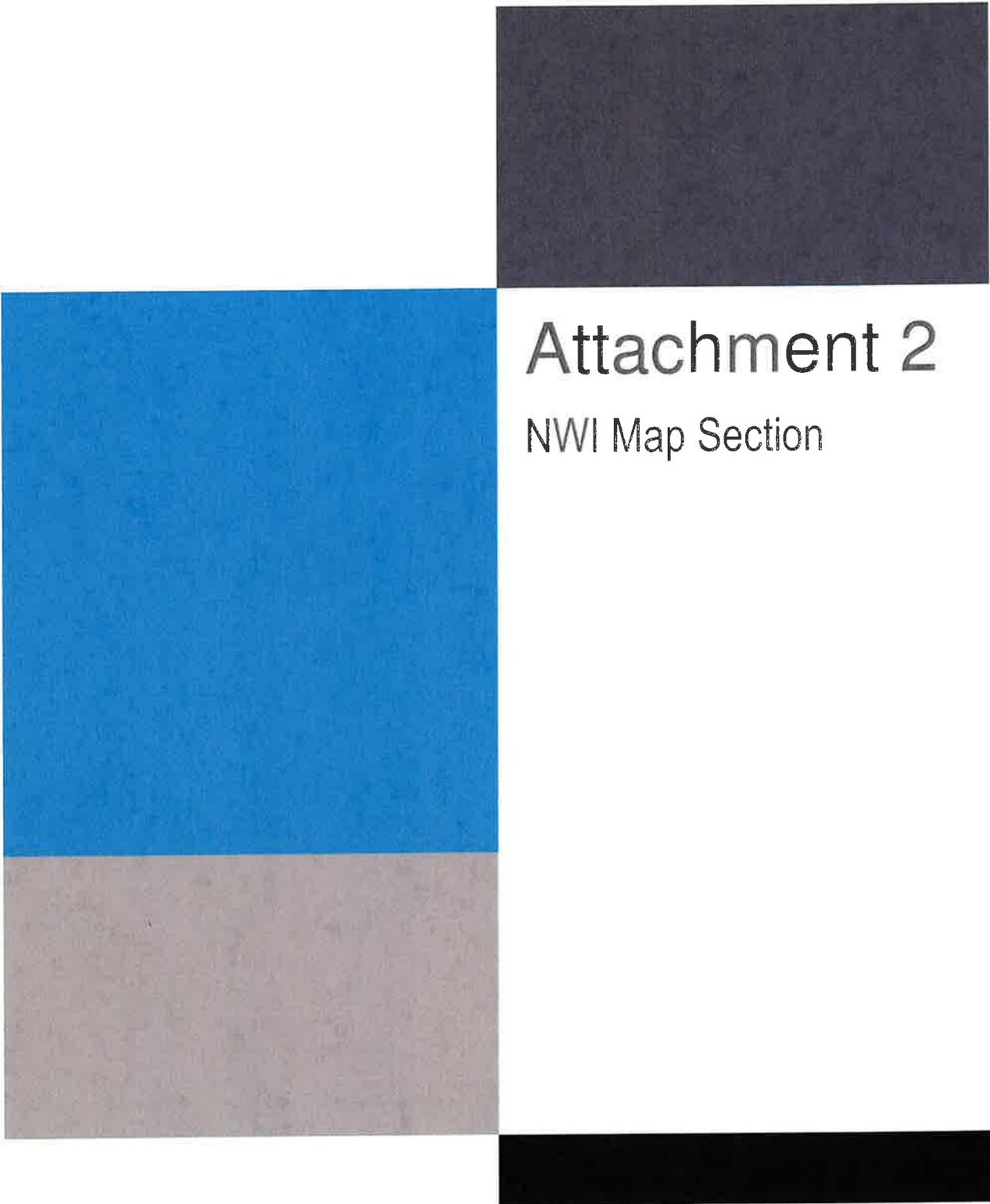
Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
15	Scarboro muck, 0 to 3 percent slopes	14.3	8.3%
20A	Ellington silt loam, 0 to 5 percent slopes	7.0	4.1%
29A	Agawam fine sandy loam, 0 to 3 percent slopes	5.3	3.1%
29B	Agawam fine sandy loam, 3 to 8 percent slopes	9.7	5.7%
33A	Hartford sandy loam, 0 to 3 percent slopes	26.3	15.3%
37C	Manchester gravelly sandy loam, 3 to 15 percent slopes	54.3	31.7%
37E	Manchester gravelly sandy loam, 15 to 45 percent slopes	1.5	0.9%
63B	Cheshire fine sandy loam, 3 to 8 percent slopes	0.2	0.1%
73C	Charlton-Chatfield complex, 0 to 15 percent slopes, very rocky	1.7	1.0%
73E	Charlton-Chatfield complex, 15 to 45 percent slopes, very rocky	2.8	1.6%
305	Udorthents-Pits complex, gravelly	0.4	0.2%
702A	Tisbury silt loam, 0 to 3 percent slopes	5.5	3.2%
702B	Tisbury silt loam, 3 to 8 percent slopes	4.6	2.7%
704A	Enfield silt loam, 0 to 3 percent slopes	0.5	0.3%
704B	Enfield silt loam, 3 to 8 percent slopes	37.7	22.0%
Totals for Area of Interest		171.6	100.0%

Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the



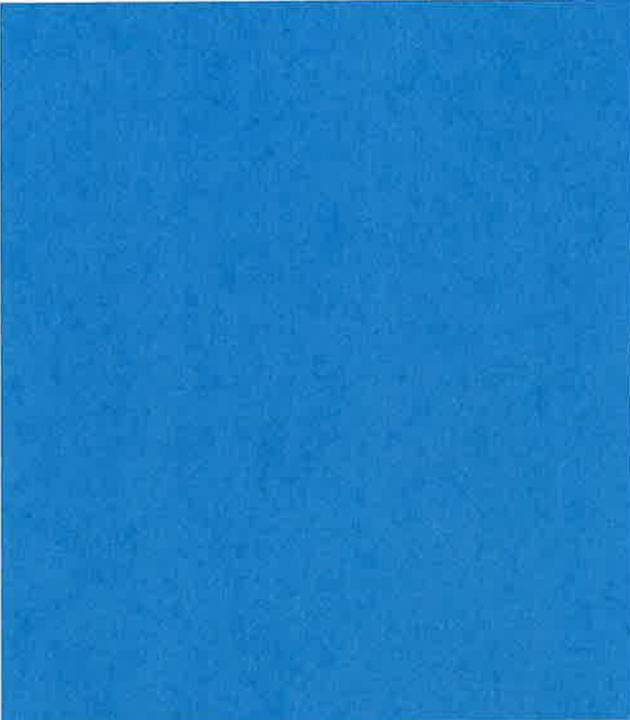
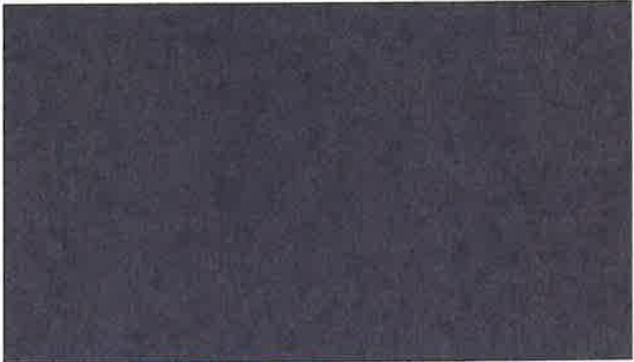
Attachment 2

NWI Map Section



DOMINION ENERGY SOMERS SOLAR SITE
ACCESS IMPROVEMENTS
 NWI WETLANDS





Attachment 3

Wetland Delineation Data
Sheets

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Somers Solar Site City/County: Somers/Tolland Sampling Date: 3/30/20
 Applicant/Owner: Dominion Energy Environmental Services State: CT Sampling Point: WLW-WET
 Investigator(s): S. Seymour, J. Eberhardt Section, Township, Range: Somers
 Landform (hillslope, terrace, etc.): hillslope Local relief (concave, convex, none): Concave
 Slope (%): 0 Lat: 41955174 Long: -72451456 Datum: _____
 Soil Map Unit Name: Scarboro NWI classification: DFOLE

Are climatic / hydrologic conditions on the site typical for this time of year? Yes No _____ (If no, explain in Remarks.)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes _____ No
 Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No _____ Hydric Soil Present? Yes <input checked="" type="checkbox"/> No _____ Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No _____	Is the Sampled Area within a Wetland? Yes <input checked="" type="checkbox"/> No _____ If yes, optional Wetland Site ID: _____
Remarks: (Explain alternative procedures here or in a separate report.) <p align="center" style="font-size: 1.2em;">1" rainfall on preceding day (3/29/20).</p>	

HYDROLOGY

Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply) <input type="checkbox"/> Surface Water (A1) <input checked="" type="checkbox"/> Water-Stained Leaves (B9) <input checked="" type="checkbox"/> High Water Table (A2) <input type="checkbox"/> Aquatic Fauna (B13) <input checked="" type="checkbox"/> Saturation (A3) <input type="checkbox"/> Marl Deposits (B15) <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Sediment Deposits (B2) <input checked="" type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Other (Explain in Remarks) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	<input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Moss Trim Lines (B16) <input type="checkbox"/> Dry-Season Water Table (C2) <input type="checkbox"/> Crayfish Burrows (C8) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Stunted or Stressed Plants (D1) <input type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> Microtopographic Relief (D4) <input type="checkbox"/> FAC-Neutral Test (D5)
Field Observations: Surface Water Present? Yes _____ No <input checked="" type="checkbox"/> Depth (inches): _____ Water Table Present? Yes <input checked="" type="checkbox"/> No _____ Depth (inches): <u>14</u> Saturation Present? Yes <input checked="" type="checkbox"/> No _____ Depth (inches): <u>9</u> (includes capillary fringe)	Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No _____
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: <p style="font-size: 1.1em;">rainfall gauge at Dominion Energy on-site field office</p>	
Remarks: <p style="font-size: 1.1em;">wetland is a narrow fringe on the west bank of the perennial stream (tributary to Abbey Brook / WOUS).</p>	

VEGETATION – Use scientific names of plants.

Sampling Point: WLW-WET

Tree Stratum (Plot size: <u>30</u>)	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>Acer nigrum</u>	<u>60</u>	<u>Y</u>	<u>FAC</u>
2. <u>Pronus serotina</u>	<u>20</u>	<u>Y</u>	<u>FACU</u>
3.			
4.			
5.			
6.			
7.			
<u>80</u> = Total Cover			
Sapling/Shrub Stratum (Plot size: <u>15</u>)	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>Lindera benzoin</u>	<u>10</u>	<u>Y</u>	<u>FACU</u>
2.			
3.			
4.			
5.			
6.			
7.			
<u>10</u> = Total Cover			
Herb Stratum (Plot size: <u>5</u>)	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>Symplocarpus foetidus</u>	<u>70</u>	<u>Y</u>	<u>OBL</u>
2. <u>Osmunda cinnamomum</u>	<u>20</u>	<u>Y</u>	<u>FACU</u>
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
<u>90</u> = Total Cover			
Woody Vine Stratum (Plot size: <u>30</u>)	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>Vitis aestivalis</u>	<u>10</u>	<u>Y</u>	<u>FACU</u>
2.			
3.			
4.			
<u>10</u> = Total Cover			

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 4 (A)

Total Number of Dominant Species Across All Strata: 7 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 57 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species <u>70</u>	x 1 = <u>70</u>
FACW species <u>30</u>	x 2 = <u>60</u>
FAC species <u>60</u>	x 3 = <u>180</u>
FACU species <u>30</u>	x 4 = <u>120</u>
UPL species	x 5 =
Column Totals: <u>190</u> (A)	<u>430</u> (B)

Prevalence Index = B/A = 2.26

- Hydrophytic Vegetation Indicators:**
- Rapid Test for Hydrophytic Vegetation
 - Dominance Test is >50%
 - Prevalence Index is ≤3.0¹
 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
 - Problematic Hydrophytic Vegetation¹ (Explain)
- ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub – Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes No

Remarks: (Include photo numbers here or on a separate sheet.)

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Somers Solar Site City/County: Somers/Tolland Sampling Date: 3/30/20
 Applicant/Owner: Dominion Energy Environmental Services State: CT Sampling Point: WLW-UPL
 Investigator(s): S. Seymour, J. Eberhardt Section, Township, Range: Somers
 Landform (hillslope, terrace, etc.): hillslope Local relief (concave, convex, none): none
 Slope (%): 10 Lat: 41955174 Long: -72451456 Datum: _____
 Soil Map Unit Name: _____ NWI classification: NONE

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks.)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes _____ No X
 Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes _____ No <u>X</u> Hydric Soil Present? Yes _____ No <u>X</u> Wetland Hydrology Present? Yes _____ No <u>X</u>	Is the Sampled Area within a Wetland? Yes _____ No <u>X</u> If yes, optional Wetland Site ID: _____
Remarks: (Explain alternative procedures here or in a separate report.) <p align="center" style="font-size: 1.2em;">1" rainfall on preceding day (3/29/20).</p>	

HYDROLOGY

Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply) <input type="checkbox"/> Surface Water (A1) <input type="checkbox"/> Water-Stained Leaves (B9) <input type="checkbox"/> High Water Table (A2) <input type="checkbox"/> Aquatic Fauna (B13) <input type="checkbox"/> Saturation (A3) <input type="checkbox"/> Marl Deposits (B15) <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Other (Explain in Remarks) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	<input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Moss Trim Lines (B16) <input type="checkbox"/> Dry-Season Water Table (C2) <input type="checkbox"/> Crayfish Burrows (C8) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Stunted or Stressed Plants (D1) <input type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> Microtopographic Relief (D4) <input type="checkbox"/> FAC-Neutral Test (D5)
Field Observations: Surface Water Present? Yes _____ No <u>X</u> Depth (inches): _____ Water Table Present? Yes _____ No <u>X</u> Depth (inches): _____ Saturation Present? Yes _____ No <u>X</u> Depth (inches): _____ (includes capillary fringe)	Wetland Hydrology Present? Yes _____ No <u>X</u>
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: <p align="center" style="font-size: 1.2em;">rainfall gauge at Dominion Energy on-site field office</p>	
Remarks:	

VEGETATION – Use scientific names of plants.

Sampling Point: WLW UPL

Tree Stratum (Plot size: <u>30</u>)	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>Acer rubrum</u>	<u>60</u>	<u>Y</u>	<u>FAC</u>
2. <u>Ulmus americana</u>	<u>20</u>	<u>Y</u>	<u>FACW</u>
3.			
4.			
5.			
6.			
7.			

80 = Total Cover

Sapling/Shrub Stratum (Plot size: <u>15</u>)	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>Rosa multiflora</u>	<u>20</u>	<u>Y</u>	<u>FACU</u>
2.			
3.			
4.			
5.			
6.			
7.			

20 = Total Cover

Herb Stratum (Plot size: <u>5</u>)	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>Chelidonium majus</u>	<u>20</u>	<u>Y</u>	<u>UPL</u>
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			

20 = Total Cover

Woody Vine Stratum (Plot size: <u>30</u>)	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>Celastrus orbiculatus</u>	<u>20</u>	<u>Y</u>	<u>UPL</u>
2. <u>Vitis aestivalis</u>	<u>10</u>	<u>Y</u>	<u>FACU</u>
3.			
4.			

30 = Total Cover

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 6 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 33 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species	x 1 =
FACW species <u>20</u>	x 2 = <u>40</u>
FAC species <u>60</u>	x 3 = <u>180</u>
FACU species <u>30</u>	x 4 = <u>120</u>
UPL species <u>40</u>	x 5 = <u>200</u>
Column Totals: <u>150</u> (A)	<u>540</u> (B)

Prevalence Index = B/A = 3.6

- Hydrophytic Vegetation Indicators:**
- Rapid Test for Hydrophytic Vegetation
 - Dominance Test is >50%
 - Prevalence Index is ≤3.0¹
 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
 - Problematic Hydrophytic Vegetation¹ (Explain)

¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub – Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes No

Remarks: (Include photo numbers here or on a separate sheet.)

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Somers Solar Site City/County: Somers/Tolland Sampling Date: 3/30/20
 Applicant/Owner: Dominion Energy Environmental Services State: CT Sampling Point: WLEHL-1
 Investigator(s): S. Seymour, J. Ehrhardt Section, Township, Range: Somers
 Landform (hillslope, terrace, etc.): hillslope Local relief (concave, convex, none): concave
 Slope (%): 2 Lat: 41954652 Long: -72451803 Datum: _____
 Soil Map Unit Name: Scarboro NWI classification: PFO1E

Are climatic / hydrologic conditions on the site typical for this time of year? Yes No _____ (If no, explain in Remarks.)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes _____ No
 Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes _____ No _____ Hydric Soil Present? Yes _____ No _____ Wetland Hydrology Present? Yes _____ No _____	Is the Sampled Area within a Wetland? Yes <input checked="" type="checkbox"/> No _____ If yes, optional Wetland Site ID: _____
Remarks: (Explain alternative procedures here or in a separate report.) ⊕ 1" rainfall on preceding day (3/29/20) - gauge measured.	

HYDROLOGY

Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) <input type="checkbox"/> Surface Water (A1) <input checked="" type="checkbox"/> Water-Stained Leaves (B9) <input checked="" type="checkbox"/> High Water Table (A2) <input type="checkbox"/> Aquatic Fauna (B13) <input checked="" type="checkbox"/> Saturation (A3) <input type="checkbox"/> Marl Deposits (B15) <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Other (Explain in Remarks) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	Secondary Indicators (minimum of two required) <input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Moss Trim Lines (B16) <input type="checkbox"/> Dry-Season Water Table (C2) <input type="checkbox"/> Crayfish Burrows (C8) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Stunted or Stressed Plants (D1) <input type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> Microtopographic Relief (D4) <input type="checkbox"/> FAC-Neutral Test (D5)
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Field Observations: Surface Water Present? Yes _____ No <input checked="" type="checkbox"/> Depth (inches): _____ Water Table Present? Yes <input checked="" type="checkbox"/> No _____ Depth (inches): <u>13"</u> Saturation Present? Yes <input checked="" type="checkbox"/> No _____ Depth (inches): <u>1"</u> (includes capillary fringe)	Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No _____
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
rainfall gauge at Dominion Energy on-site field office

Remarks:
Wetland is on the easterly bank of Abbey Brook tributary; Level, non-floodplain PFO1E wetland.

VEGETATION – Use scientific names of plants.

Sampling Point: WLE WL-1

Tree Stratum (Plot size: <u>30</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. <u>A. rubrum</u>	<u>50</u>	<u>Y</u>	<u>FAC</u>	Number of Dominant Species That Are OBL, FACW, or FAC: <u>5</u> (A)
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata: <u>8</u> (B)
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC: <u>63</u> (A/B)
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
<u>50</u> = Total Cover				
Sapling/Shrub Stratum (Plot size: <u>15</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Prevalence Index worksheet:
1. <u>B. thunbergii</u>	<u>20</u>	<u>Y</u>	<u>FACU</u>	Total % Cover of: _____ Multiply by: _____
2. <u>R. multiflora</u>	<u>20</u>	<u>Y</u>	<u>FACU</u>	OBL species <u>30</u> x 1 = <u>30</u>
3. _____	_____	_____	_____	FACW species <u>50</u> x 2 = <u>100</u>
4. _____	_____	_____	_____	FAC species <u>50</u> x 3 = <u>150</u>
5. _____	_____	_____	_____	FACU species <u>60</u> x 4 = <u>240</u>
6. _____	_____	_____	_____	UPL species _____ x 5 = _____
7. _____	_____	_____	_____	Column Totals: <u>190</u> (A) <u>520</u> (B)
<u>40</u> = Total Cover				Prevalence Index = B/A = <u>2.7</u>
Herb Stratum (Plot size: <u>5</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Hydrophytic Vegetation Indicators:
1. <u>S. torreyana</u>	<u>30</u>	<u>Y</u>	<u>OBL</u>	<input type="checkbox"/> Rapid Test for Hydrophytic Vegetation
2. <u>O. cinnamomeum</u>	<u>20</u>	<u>Y</u>	<u>FACW</u>	<input checked="" type="checkbox"/> Dominance Test is >50%
3. <u>J. canadensis</u>	<u>10</u>	<u>Y</u>	<u>FACW</u>	<input checked="" type="checkbox"/> Prevalence Index is ≤3.0 ¹
4. <u>L. nummularia</u>	<u>20</u>	<u>Y</u>	<u>FACW</u>	<input type="checkbox"/> Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
5. _____	_____	_____	_____	<input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain)
6. _____	_____	_____	_____	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7. _____	_____	_____	_____	
8. _____	_____	_____	_____	
9. _____	_____	_____	_____	
10. _____	_____	_____	_____	
11. _____	_____	_____	_____	
12. _____	_____	_____	_____	
<u>80</u> = Total Cover				
Woody Vine Stratum (Plot size: <u>30</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Definitions of Vegetation Strata:
1. <u>Vitis aestivalis</u>	<u>20</u>	<u>Y</u>	<u>FACU</u>	Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
2. _____	_____	_____	_____	Sapling/shrub – Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.
3. _____	_____	_____	_____	Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
4. _____	_____	_____	_____	Woody vines – All woody vines greater than 3.28 ft in height.
<u>20</u> = Total Cover				
Remarks: (Include photo numbers here or on a separate sheet.)				Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Somers Solar Site City/County: Somers/Tolland Sampling Date: 3/30/20
 Applicant/Owner: Dominion Energy Environmental Services State: CT Sampling Point: WLEUPL1
 Investigator(s): S. Seymour, J. Ehrhardt Section, Township, Range: Somers
 Landform (hillslope, terrace, etc.): hillslope Local relief (concave, convex, none): none
 Slope (%): 5 Lat: 41954652 Long: -72451803 Datum: _____
 Soil Map Unit Name: _____ NWI classification: NONE

Are climatic / hydrologic conditions on the site typical for this time of year? Yes No _____ (If no, explain in Remarks.)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes _____ No
 Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes _____ No <input checked="" type="checkbox"/> Hydric Soil Present? Yes _____ No <input checked="" type="checkbox"/> Wetland Hydrology Present? Yes _____ No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland? Yes _____ No <input checked="" type="checkbox"/> If yes, optional Wetland Site ID: _____
Remarks: (Explain alternative procedures here or in a separate report.) <input checked="" type="checkbox"/> 1" rainfall on preceding day (3/29/20) gauge measured.	

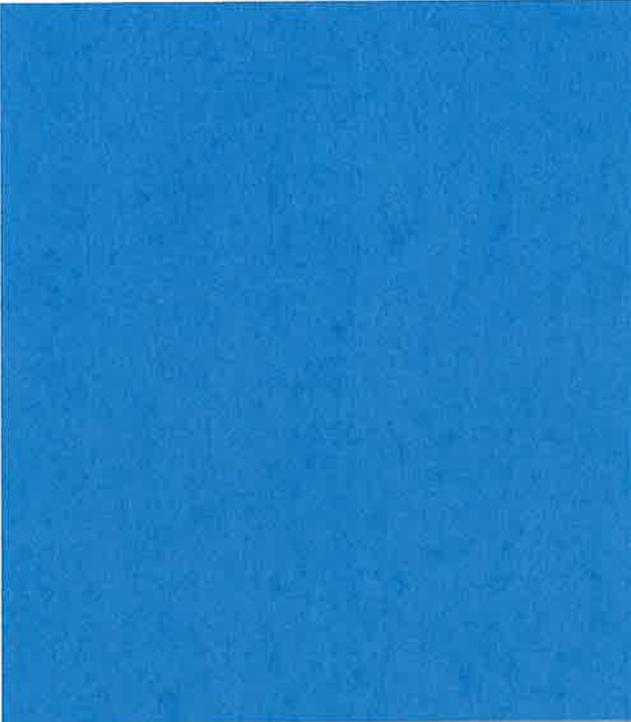
HYDROLOGY

Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply)	Secondary Indicators (minimum of two required)
<input type="checkbox"/> Surface Water (A1) <input type="checkbox"/> Water-Stained Leaves (B9) <input type="checkbox"/> High Water Table (A2) <input type="checkbox"/> Aquatic Fauna (B13) <input type="checkbox"/> Saturation (A3) <input type="checkbox"/> Marl Deposits (B15) <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Other (Explain in Remarks) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	<input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Moss Trim Lines (B16) <input type="checkbox"/> Dry-Season Water Table (C2) <input type="checkbox"/> Crayfish Burrows (C8) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Stunted or Stressed Plants (D1) <input type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> Microtopographic Relief (D4) <input type="checkbox"/> FAC-Neutral Test (D5)
Field Observations: Surface Water Present? Yes _____ No <input checked="" type="checkbox"/> Depth (inches): _____ Water Table Present? Yes _____ No <input checked="" type="checkbox"/> Depth (inches): _____ Saturation Present? (includes capillary fringe) Yes _____ No <input checked="" type="checkbox"/> Depth (inches): _____	Wetland Hydrology Present? Yes _____ No <input checked="" type="checkbox"/>
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: <u>rainfall gauge at Dominion Energy on-site field office</u>	
Remarks:	

VEGETATION – Use scientific names of plants.

Sampling Point: WLE UPL 1

Tree Stratum (Plot size: <u>30</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. <u>Acers rubrom</u>	<u>50</u>	<u>Y</u>	<u>FAC</u>	Number of Dominant Species That Are OBL, FACW, or FAC: <u>3</u> (A)
2. <u>Carpinus caroliniana</u>	<u>20</u>	<u>Y</u>	<u>FAC</u>	Total Number of Dominant Species Across All Strata: <u>4</u> (B)
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC: <u>75</u> (A/B)
4. _____	_____	_____	_____	Prevalence Index worksheet: Total % Cover of: _____ Multiply by: _____ OBL species _____ x 1 = _____ FACW species _____ x 2 = _____ FAC species <u>100</u> x 3 = <u>300</u> FACU species <u>5</u> x 4 = <u>20</u> UPL species _____ x 5 = _____ Column Totals: <u>105</u> (A) <u>320</u> (B) Prevalence Index = B/A = <u>3.28</u>
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
<u>70</u> = Total Cover				
Sapling/Shrub Stratum (Plot size: <u>15</u>)				
1. <u>Carpinus caroliniana</u>	<u>30</u>	<u>Y</u>	<u>FAC</u>	
2. <u>R. multiflora</u>	<u>5</u>	<u>N</u>	<u>FACU</u>	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
<u>35</u> = Total Cover				
Herb Stratum (Plot size: <u>5</u>)				
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
8. _____	_____	_____	_____	
9. _____	_____	_____	_____	
10. _____	_____	_____	_____	
11. _____	_____	_____	_____	
12. _____	_____	_____	_____	
<u>0</u> = Total Cover				
Woody Vine Stratum (Plot size: <u>30</u>)				
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
<u>0</u> = Total Cover				
Hydrophytic Vegetation Indicators: <input type="checkbox"/> Rapid Test for Hydrophytic Vegetation <input type="checkbox"/> Dominance Test is >50% <input type="checkbox"/> Prevalence Index is ≤3.0' <input type="checkbox"/> Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.				
Definitions of Vegetation Strata: Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. Sapling/shrub – Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height.				
Hydrophytic Vegetation Present? Yes _____ No <u>X</u>				
Remarks: (Include photo numbers here or on a separate sheet.)				



Attachment 4

Site Photographs



Wetland soil pit 1.



Upland soil pit 1.



Wetland soil pit 2.



Upland soil pit 2.



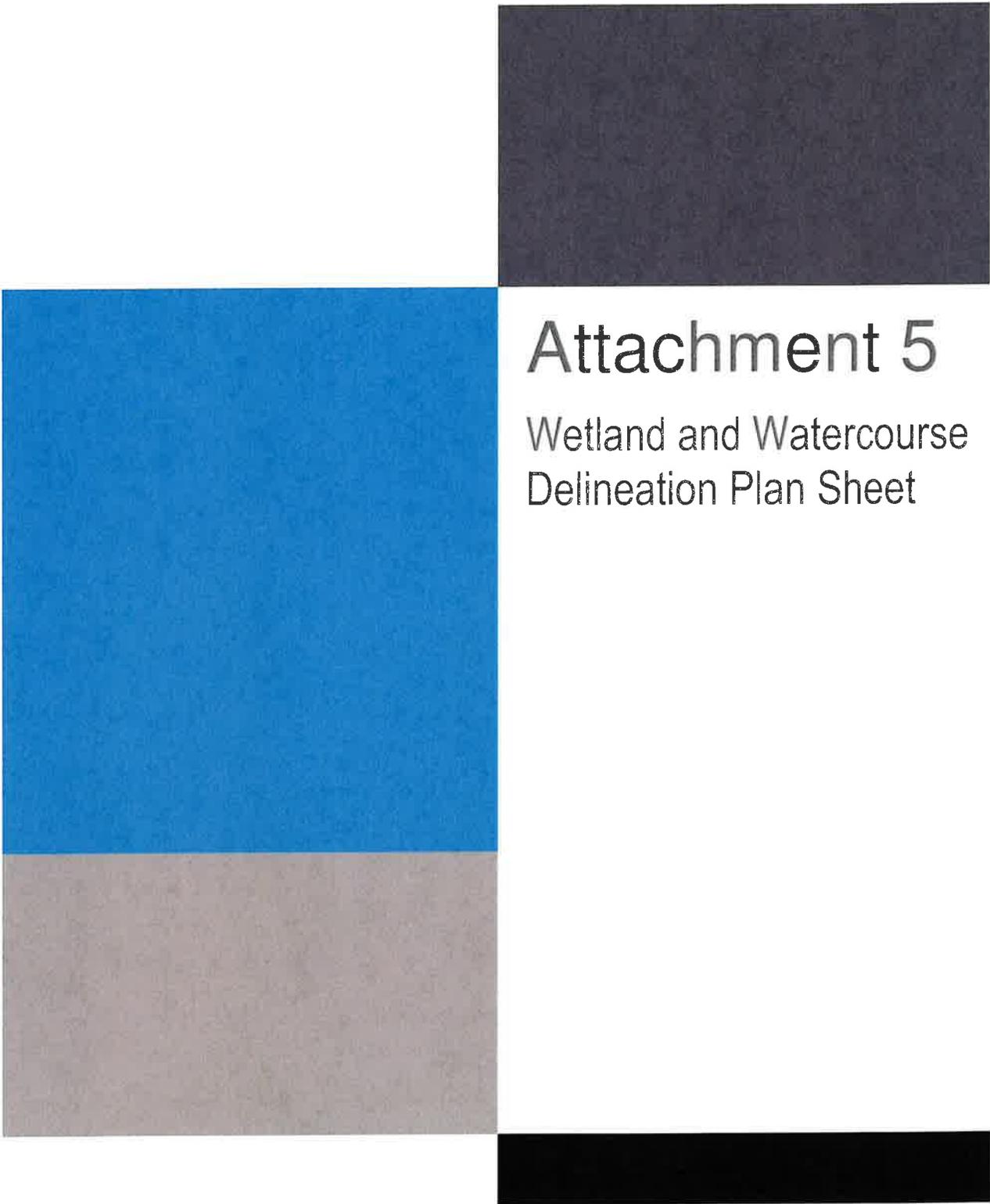
Facing north and looking upstream of culvert along access road.



Facing south and looking downstream towards culvert along access road.



Facing south and looking downstream towards culvert along access road.



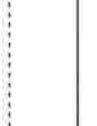
Attachment 5

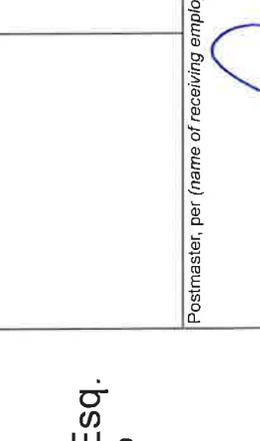
Wetland and Watercourse
Delineation Plan Sheet

ATTACHMENT 5



Certificate of Mailing — Firm

Name and Address of Sender Kenneth C. Baldwin, Esq. Robinson & Cole, LLP 280 Trumbull Street Hartford, CT 06103	TOTAL NO. of Pieces Listed by Sender 	TOTAL NO. of Pieces Received at Post Office™ 	Affix Stamp Here <i>Postmark with Date of Receipt.</i>
Postmaster, per (name of receiving employee) 			

USPS® Tracking Number	Firm-specific Identifier	Address (Name, Street, City, State, and ZIP Code™)	Postage	Fee	Special Handling	Parcel Airift
1.		C.G. 'Bud' Knorr, Jr., First Selectman Town of Somers 600 Main Street Somers, CT 06071				
2.		Jennifer Roy, Land Use Technician/ Zoning Enforcement Officer Town of Somers 600 Main Street Somers, CT 06071				
3.		Pleasant View Farms Realty Company 458 & 488 South Road Somers, CT 0607				
4.						
5.						
6.						