

# LANDSCAPE PLANS

## NATICK AVENUE SOLAR

LOCATED AT:

Natick Avenue  
Assessor's Plat 22-3, Lots 108 & 119  
Cranston, Rhode Island

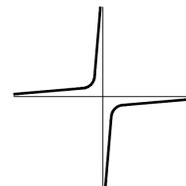
PREPARED FOR THE:

REVITY ENERGY, LLC  
117 Metro Center Blvd.  
Warwick, Rhode Island

### SHEET INDEX

NUMBER	TITLE	ISSUED FOR PERMITTING	REVISIONS
	COVER SHEET		
1	BUFFER PLAN	05-08-2020	07-22-2020
2	CROSS SECTIONS 1, 2, & 3	05-08-2020	07-22-2020
3	CROSS SECTIONS 4, 5, & 6	05-08-2020	07-22-2020
4	CROSS SECTIONS 7, 8 & 9	05-08-2020	07-22-2020
5	CROSS SECTIONS 10 & 11, PLANTING NOTES & DETAILS	05-08-2020	07-22-2020

PREPARED BY:

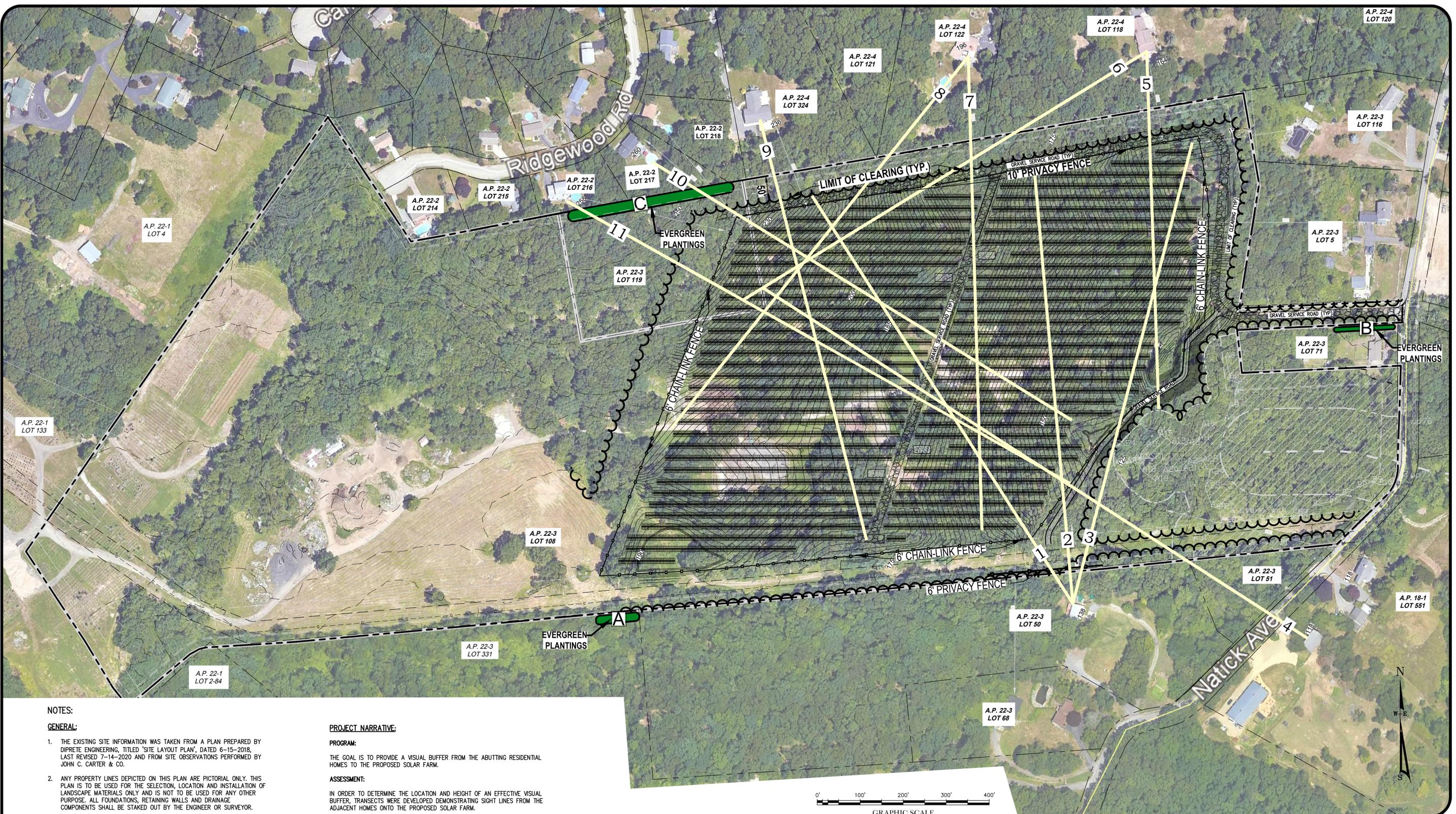


**JOHN C. CARTER & CO., INC.**

960 BOSTON NECK RD., NARRAGANSETT, RI  
(401) 783 - 3500

LANDSCAPE ARCHITECTURE  
DESIGN & BUILD

ENGINEER  
DiPrete Engineering  
2 Stafford Court  
Cranston, Rhode Island  
401-943-1000



- NOTES:**
- GENERAL:**
1. THE EXISTING SITE INFORMATION WAS TAKEN FROM A PLAN PREPARED BY DIPRETE ENGINEERING, TITLED 'SITE LAYOUT PLAN', DATED 6-15-2018, LAST REVISED 7-14-2020 AND FROM SITE OBSERVATIONS PERFORMED BY JOHN C. CARTER & CO.
  2. ANY PROPERTY LINES DEPICTED ON THIS PLAN ARE PICTORIAL ONLY. THIS PLAN IS TO BE USED FOR THE SELECTION, LOCATION AND INSTALLATION OF LANDSCAPE MATERIALS ONLY AND IS NOT TO BE USED FOR ANY OTHER PURPOSE. ALL FOUNDATIONS, RETAINING WALLS AND DRAINAGE COMPONENTS SHALL BE STAKED OUT BY THE ENGINEER OR SURVEYOR.
  3. WRITTEN DIMENSIONS AND SPECIFICATIONS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS.
  4. THE LOCATION OF UTILITIES IF SHOWN ON THIS PLAN ARE APPROXIMATE ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY THE LOCATION OF ALL UTILITIES BEFORE ANY EXCAVATION. DIG-SAFE SHALL BE CONTACTED AT LEAST 72 HOURS BEFORE EXCAVATION. DIG-SAFE CAN BE REACHED AT 1-888-344-7233.

**PROJECT NARRATIVE:**

**PROGRAM:**  
THE GOAL IS TO PROVIDE A VISUAL BUFFER FROM THE ADJUTING RESIDENTIAL HOMES TO THE PROPOSED SOLAR FARM.

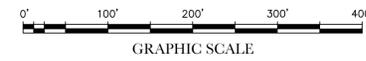
**ASSESSMENT:**  
IN ORDER TO DETERMINE THE LOCATION AND HEIGHT OF AN EFFECTIVE VISUAL BUFFER, TRANSECTS WERE DEVELOPED DEMONSTRATING SIGHT LINES FROM THE ADJACENT HOMES ONTO THE PROPOSED SOLAR FARM.

A SIGHT LINE WAS DRAWN FROM AN EYE LEVEL AT EACH RESIDENTIAL PROPERTY TO THE LOCATION OF THE HIGHEST AND LOWEST VISIBLE SOLAR PANEL ALLOWING THE HEIGHT AND LOCATION OF THE BUFFER TO BE DETERMINED.

**PROCESS:**  
THE USE OF VEGETATIVE SCREENING WAS ASSESSED AND WAS DETERMINED NOT TO BE A VALID OPTION, EXCEPT IN THE FEW LIMITED AREAS WHERE SHOWN DUE TO SITE CONDITIONS INCLUDING LEDGE, ROCKY AND STONY SOILS, AND THE DIFFICULTY OF ESTABLISHING NEW PLANTS IN AN EXISTING MATURE FOREST. PLANTING UNDER AN EXISTING MATURE FOREST IS DIFFICULT DUE TO ROOTS, COMPACTED SOILS, AND COMPETITION FOR LIGHT AND WATER.

EXISTING VEGETATION TO REMAIN, SUPPLEMENTAL PLANTINGS AND FENCING ARE PROPOSED TO PROVIDE AN IMMEDIATE VISUAL BUFFER.

**CONCLUSION:**  
A COMBINATION OF EXISTING VEGETATION WHICH IS PROPOSED TO REMAIN, SUPPLEMENTAL PLANTINGS AND FENCING, AS DEMONSTRATED ON THE CROSS SECTIONS, WILL PROVIDE A SIGNIFICANT VISUAL BUFFER BETWEEN THE ADJACENT HOMES AND THE SOLAR FARM.



- LEGEND**
- PROPERTY LINE
  - CONTOURS EXISTING
  - CONTOURS PROPOSED
  - CHAIN-LINK FENCE PROPOSED
  - PRIVACY FENCE PROPOSED
  - SOLAR PANELS PROPOSED
  - PROPOSED TREE LINE/LIMIT OF CLEARING
  - TRANSECT
  - PROPOSED EVERGREEN SCREEN PLANTINGS



**BUFFER PLAN**

**NATICK AVENUE SOLAR**

ASSESSOR'S PLAT 22-3 LOTS 108 & 119  
CRANSTON, RHODE ISLAND

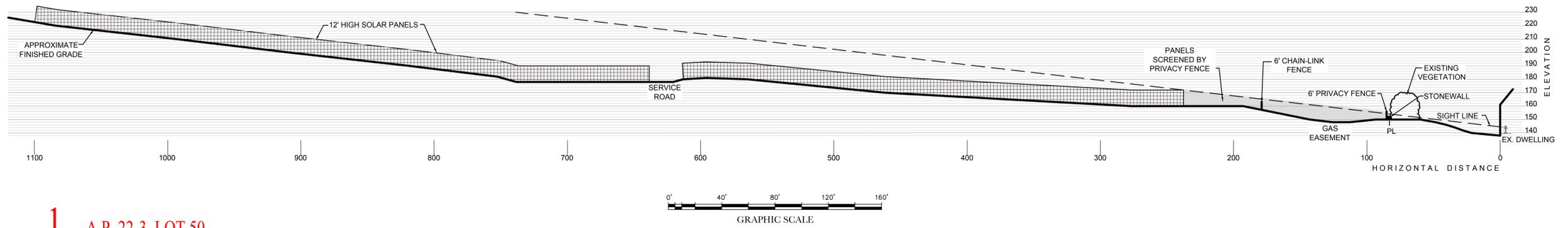
PREPARED BY  
**JOHN C. CARTER & COMPANY, INC.**  
LANDSCAPE ARCHITECTURE  
960 Boston Neck Road  
Narragansett, RI 02882  
(401)783-3500 Fax: (401) 792-1327

PREPARED FOR  
**REVITY ENERGY, LLC.**  
117 Metro Center Blvd.  
Warwick, RI

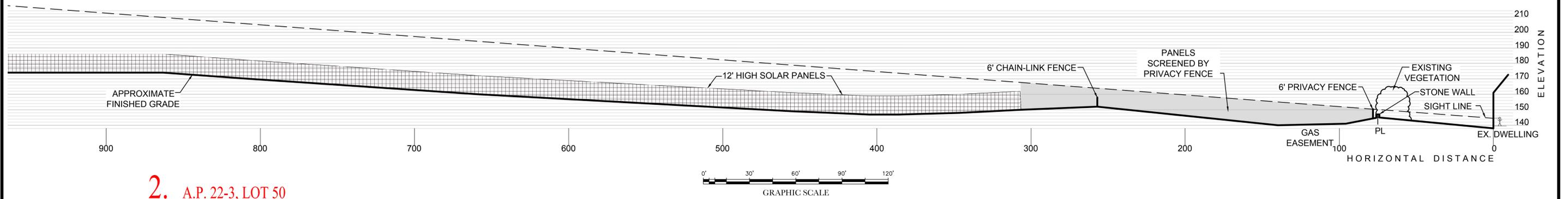
MAY 8, 2020  
DWN. BY: L.M.W.

SHEET **1** OF 5

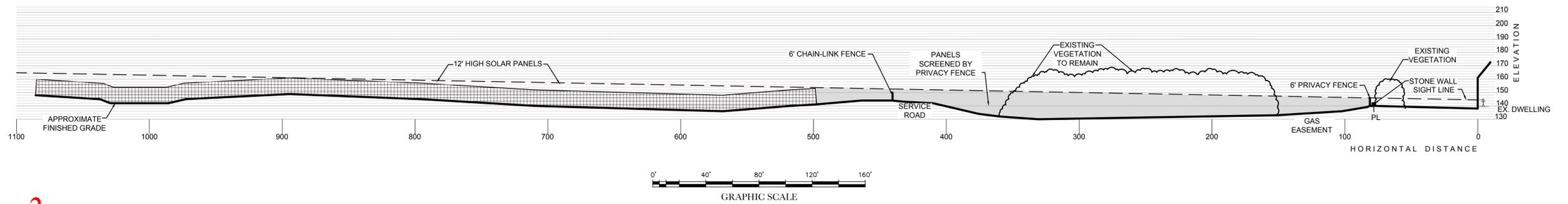
© COPYRIGHT 2020 JOHN C. CARTER & COMPANY, INC.



1. A.P. 22-3, LOT 50



2. A.P. 22-3, LOT 50

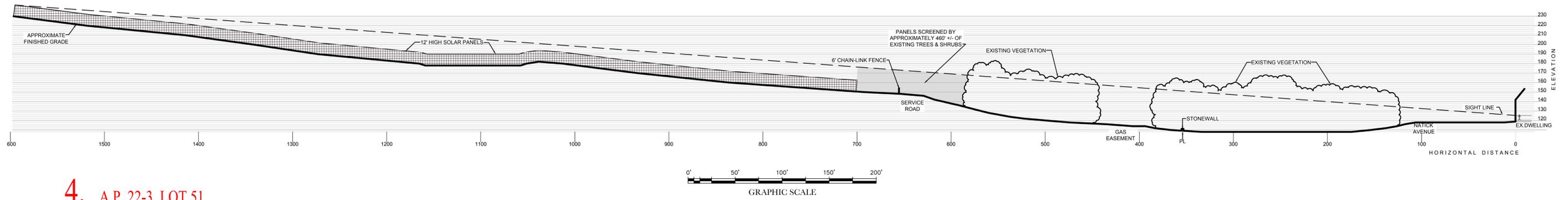


3. A.P. 22-3, LOT 50

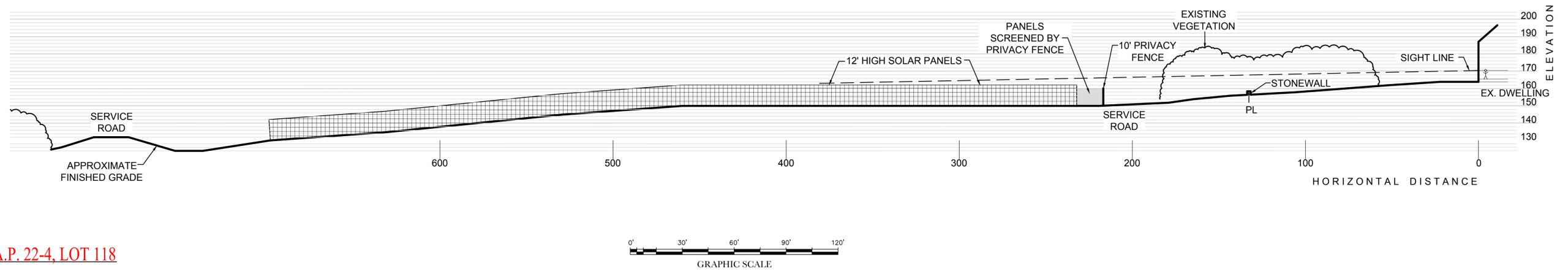
© COPYRIGHT 2020 JOHN C. CARTER & COMPANY, INC.

		<p><b>CROSS SECTIONS 1</b></p> <p><b>NATICK AVENUE SOLAR</b></p> <p>ASSESSOR'S PLAT 22-3 LOTS 108 &amp; 119 CRANSTON, RHODE ISLAND</p> <p>PREPARED BY <b>JOHN C. CARTER &amp; COMPANY, INC.</b> LANDSCAPE ARCHITECTURE 960 Boston Neck Road Narragansett, RI 02882 (401)783-3500 Fax: (401) 792-1327</p> <p>PREPARED FOR <b>REVITY ENERGY, LLC.</b> 117 Metro Center Blvd. Warwick, RI</p>
		<p>MAY 8, 2020 DWN. BY: L.M.W.</p>
		<p>SHEET <b>2</b> OF 5</p>

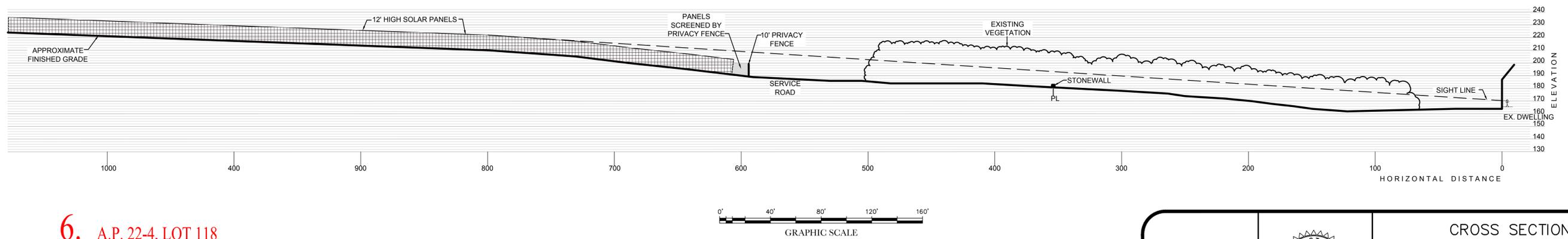
NO.	DATE	GRADING DESCRIPTION	BY
01	7-22-20		LMW



4. A.P. 22-3, LOT 51



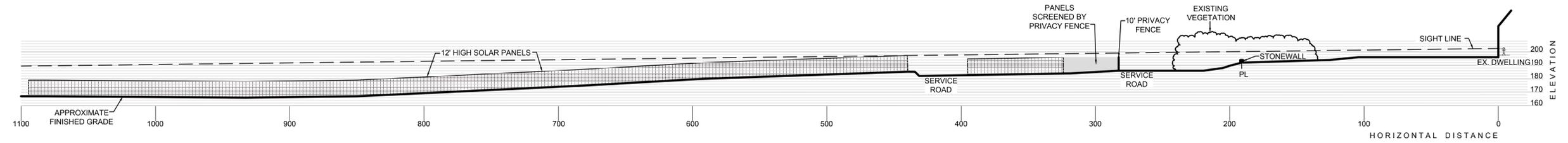
5. A.P. 22-4, LOT 118



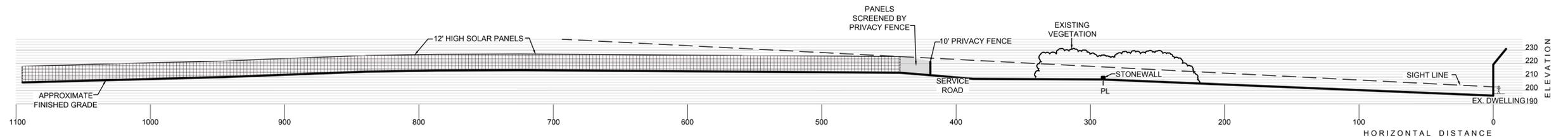
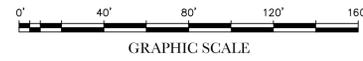
6. A.P. 22-4, LOT 118

		<b>CROSS SECTIONS 2</b> <b>NATICK AVENUE SOLAR</b> ASSESSOR'S PLAT 22-3 LOTS 108 & 119 CRANSTON, RHODE ISLAND	
		PREPARED BY <b>JOHN C. CARTER &amp; COMPANY, INC.</b> <b>LANDSCAPE ARCHITECTURE</b> 960 Boston Neck Road Narragansett, RI 02882 (401)783-3500 Fax: (401) 792-1327	
PREPARED FOR <b>REVITY ENERGY, LLC.</b> 117 Metro Center Blvd. Warwick, RI		MAY 8, 2020 DWN. BY: L.M.W.	
SHEET <b>3</b> OF 5			

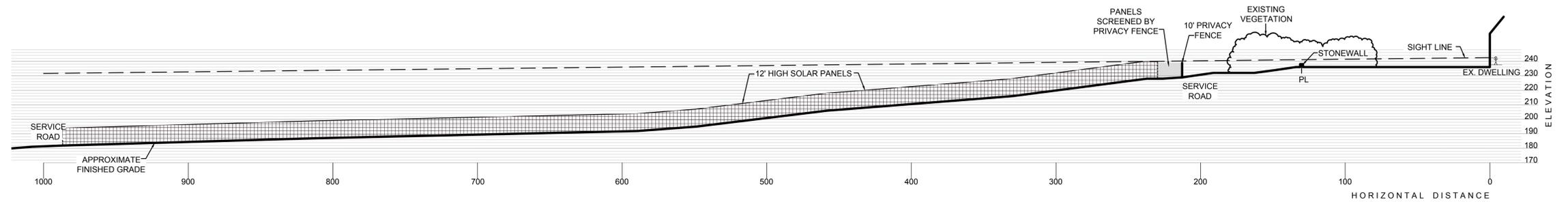
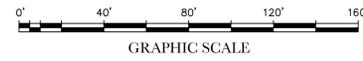
© COPYRIGHT 2020 JOHN C. CARTER & COMPANY, INC.



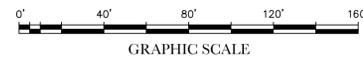
7. A.P. 22-4, LOT 122



8. A.P. 22-4, LOT 122

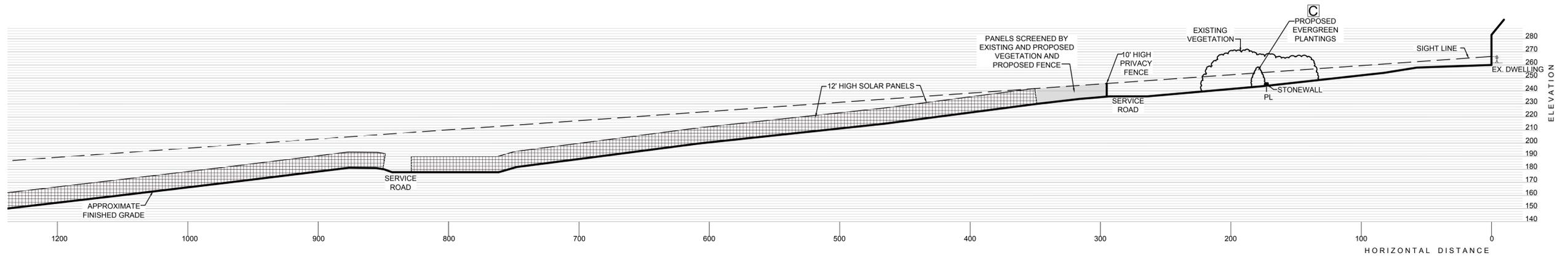


9. A.P. 22-4, LOT 324

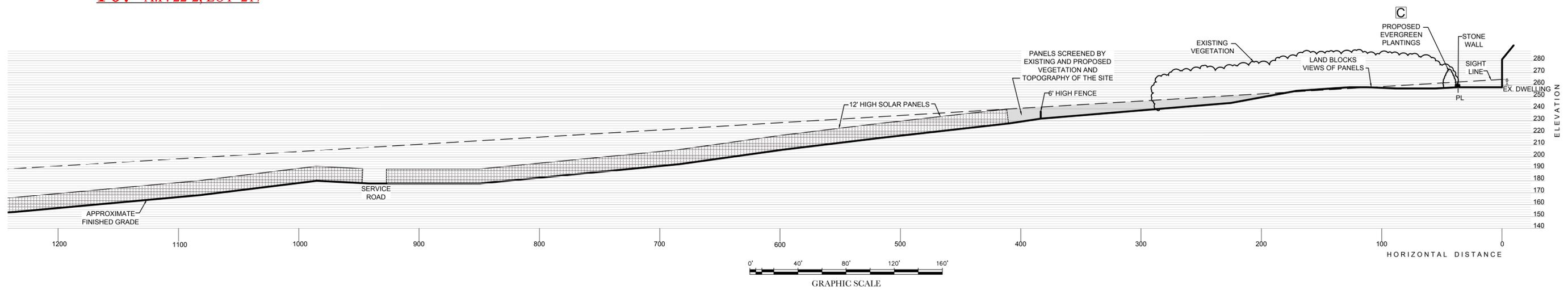


© COPYRIGHT 2020 JOHN C. CARTER & COMPANY, INC.

		<b>CROSS SECTIONS 3</b> <b>NATICK AVENUE SOLAR</b> ASSESSOR'S PLAT 22-3 LOTS 108 & 119 CRANSTON, RHODE ISLAND	
		PREPARED BY <b>JOHN C. CARTER &amp; COMPANY, INC.</b> <b>LANDSCAPE ARCHITECTURE</b> 960 Boston Neck Road Narragansett, RI 02882 (401)783-3500 Fax: (401) 792-1327	
PREPARED FOR <b>REVITY ENERGY, LLC.</b> 117 Metro Center Blvd. Warwick, RI		MAY 8, 2020 DWN. BY: L.M.W.	
SHEET <b>4</b> OF 5			



10. A.P. 22-2, LOT 217



11. A.P. 22-2, LOT 216

PLANT SCHEDULE FOR PROPOSED EVERGREEN PLANTINGS					
AREA	AMOUNT	BOTANICAL NAME	COMMON NAME	SIZE	NOTES
A.	10	PINUS STROBUS	EASTERN WHITE PINE	8-10' HT.	10' O.C.
B.	14	PINUS STROBUS	EASTERN WHITE PINE	8-10' HT.	10' O.C.
C.	20	PINUS STROBUS	EASTERN WHITE PINE	8-10' HT.	10' O.C.

**NO MOW LAWN SEED MIXTURE**  
TO BE PLANTED BENEATH THE PV ARRAY

PERCENT	INGREDIENT
25 %	CHEWING FESCUE
25 %	SHEEP FESCUE
12.25 %	HARD FESCUE
12.25 %	STRONG CREEPING RED FESCUE
12.25 %	CREEPING RED FESCUE
12.25 %	HARD FESCUE

OR APPROVED EQUAL - AVAILABLE AT: ALLEN'S SEED, 693 SOUTH COUNTY TRAIL (RT. 2), EXETER, RI 02822.

**BUFFER ASSESSMENT & SUPPLEMENTARY BUFFER PLANTING**

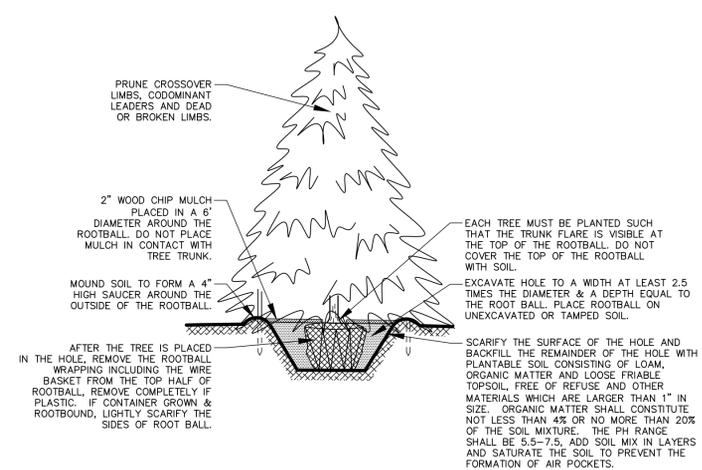
- THE PROPOSED LIMIT OF CLEARING WILL BE DELINEATED IN THE FIELD PRIOR TO ANY LOT CLEARING.
- LARGE TREES ON THE SOUTH PROPERTY LINE THAT CAST SHADE ON THE SOLAR ARRAY SHALL BE SELECTIVELY REMOVED.
- IN THE AREAS DESIGNATED AS 'EVERGREEN PLANTINGS', THE PLANTS SHALL BE INSTALLED AS DESCRIBED IN THE PLANTING SEQUENCE.

**PLANTING SEQUENCE**

- CARE SHALL BE TAKEN TO NOT DAMAGE THE EXISTING BUFFER VEGETATION WHILE INSTALLING ADDITIONAL PLANTS.
- IF POSSIBLE, EXCAVATION SHALL BE AVOIDED WITHIN THE DRIP-LINE OF THE EXISTING TREES.
- EVERGREEN TREES SHALL BE LOCATED IN THE GAPS WITHIN THE EXISTING BUFFER VEGETATION AND PLANTED AS SPECIFIED IN THE PLANTING DETAILS.

**PLANTING**

- PROVIDE QUALITY PLANTS IN THE GENUS, SPECIES AND VARIETY INDICATED IN THE PLANT SCHEDULE, COMPLYING WITH APPLICABLE REQUIREMENTS OF "ANSI Z60.1 AMERICAN STANDARD FOR NURSERY STOCK."
- PROVIDE PLANTS IN THE SIZE AND NUMBER INDICATED IN THE PLANT SCHEDULE. PLANTS SHALL BE GROWN IN NURSERIES LOCATED IN THE NORTHEASTERN U.S.
- DELIVER FRESH DUG TREES WHICH ARE BALLED AND BURLAPPED. ALL PLANTS ARE TO BE HEALTHY, VIGOROUS AND FREE OF INSECTS AND DISEASE.
- PLANTS ARE TO BE INSTALLED AS SPECIFIED IN THE PLANTING DETAILS WITH ADEQUATE WATER PROVIDED DURING PLANTING TO ALLOW COMPACTION OF THE PLANTING SOIL TO PREVENT ANY AIR POCKETS OR SETTLEMENT AFTER PLANTING.
- ALL PLANTING BEDS ARE TO BE COVERED WITH 2" OF COMPOSTED WOOD CHIP MULCH.
- IF NECESSARY, THE TREES ARE TO BE STAKED AS SHOWN IN THE PLANTING DETAILS. TREES ARE TO REMAIN PLUMB AND SHALL BE ADJUSTED AS NEEDED. ALL STAKES AND ARBOR TIES ARE TO BE MAINTAINED AND ADJUSTED TO PREVENT GIRDLING OF THE TRUNK AND REMOVED WHEN NO LONGER NEEDED.
- RECOMMENDED PLANTING DATES ARE APRIL 15 TO JUNE 15 AND SEPTEMBER 15 TO NOVEMBER 15.
- PLANT SUBSTITUTIONS SHALL BE ALLOWED BASED ON AVAILABILITY. SUBSTITUTIONS MAY BE MADE ONLY WITH DIRECT APPROVAL FROM THE LANDSCAPE ARCHITECT OR OWNER.



EVERGREEN TREE PLANTING DETAIL  
NOT TO SCALE  
© 2020 JOHN C. CARTER & CO., INC.



**CROSS SECTIONS 4**

**NATICK AVENUE SOLAR**

ASSESSOR'S PLAT 22-3 LOTS 108 & 119  
CRANSTON, RHODE ISLAND

PREPARED BY  
**JOHN C. CARTER & COMPANY, INC.**  
LANDSCAPE ARCHITECTURE  
960 Boston Neck Road  
Narragansett, RI 02882  
(401)783-3500 Fax: (401) 792-1327

PREPARED FOR  
**REVITY ENERGY, LLC.**  
117 Metro Center Blvd.  
Warwick, RI

NO.	DATE	GRADING DESCRIPTION	LMW BY
01	7-22-20		

© COPYRIGHT 2020 JOHN C. CARTER & COMPANY, INC.