

LANDSCAPE PLANS

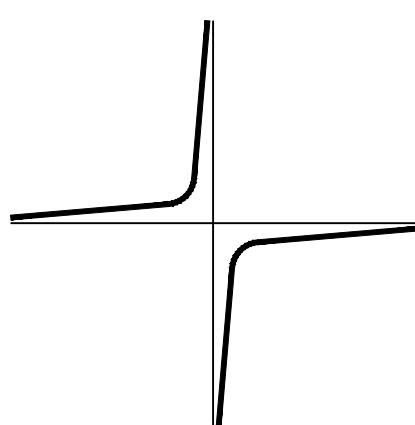
NATICK AVENUE SOLAR

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

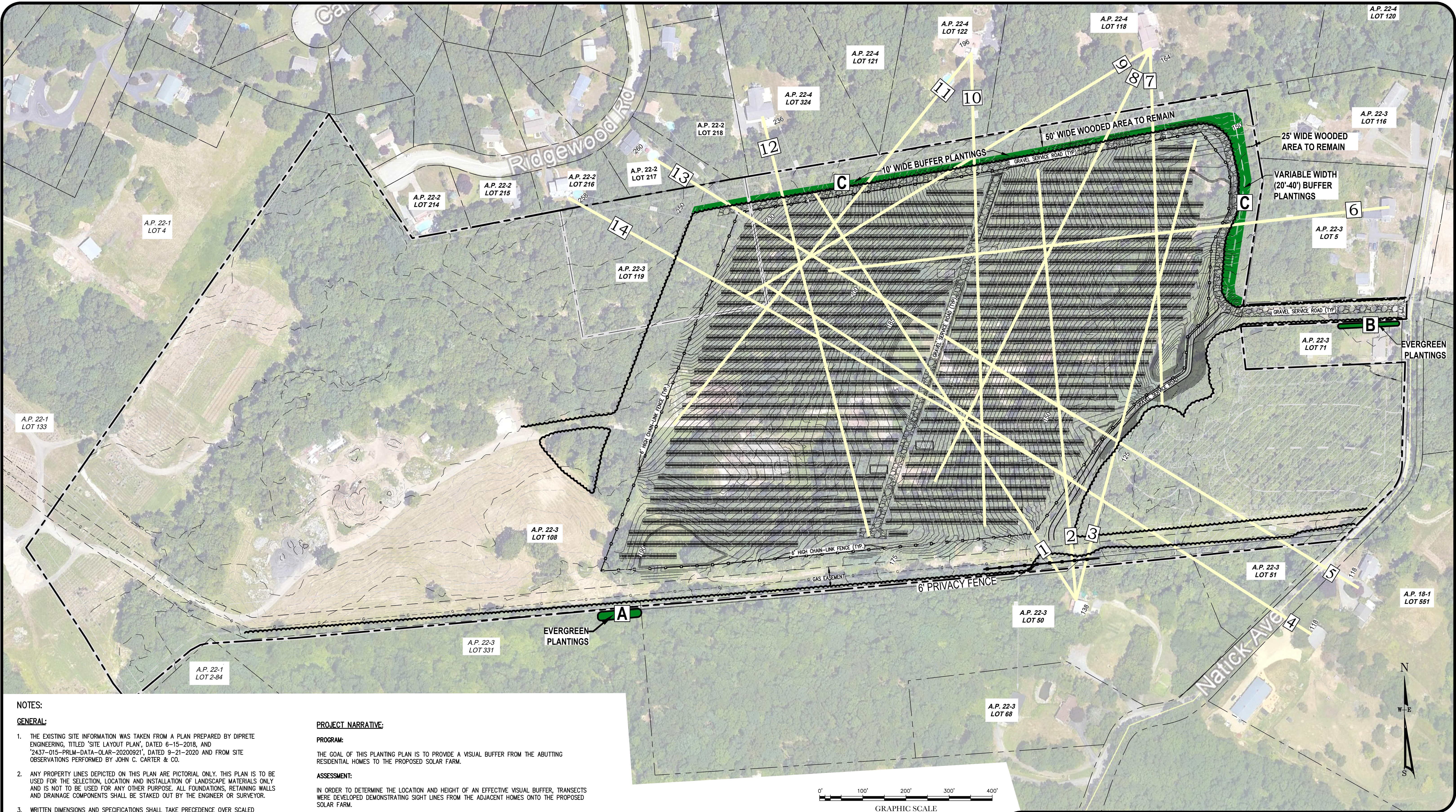
NUMBER	TITLE	ISSUED FOR PERMITTING	REVISIONS	
	COVER SHEET			
1	BUFFER PLAN	05-08-2020	07-22-2020	10-07-2020
2	CROSS SECTIONS 1, 2, & 3	05-08-2020	07-22-2020	10-07-2020
3	CROSS SECTIONS 4, 5, & 6	05-08-2020	07-22-2020	10-07-2020
4	CROSS SECTIONS 7, 8 & 9	05-08-2020	07-22-2020	10-07-2020
5	CROSS SECTIONS 10, 11, 12	05-08-2020	07-22-2020	10-07-2020
6	CROSS SECTIONS 13, 14 & PLANTING NOTES & DETAILS			10-07-2020



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, AND '2437-015-PRLM-DATA-OLAR-20200921', DATED 9-21-2020 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 OF THIS PLANTING PLAN IS TO PROVIDE A VISUAL BUFFER FROM THE ABUTTING 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:

AS A RESULT OF ONSITE ANALYSIS AND INVENTORY OF THE EXISTING VEGETATION, IT WAS DETERMINED THAT IN ADDITION TO THE NO CUT BUFFER ADJACENT TO THE NORTHERLY AND EASTERLY PROPERTY LINES, AN ADDITIONAL CLEARED AREA WILL BE PLANTED WITH A MIXTURE OF DECIDUOUS AND EVERGREEN TREES AND SHRUBS. WHERE OPEN AREAS EXIST WITHIN THE NO CUT BUFFER, TREES AND SHRUBS WILL BE PLANTED TO ENHANCE THE EFFECTIVENESS OF THE BUFFER.

CONCLUSION:

A COMBINATION OF EXISTING VEGETATION (WHICH IS PROPOSED TO REMAIN) AND SUPPLEMENTAL PLANTINGS (AS DEMONSTRATED ON THE CROSS SECTIONS AND DETAILS) 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
- TRANSECT

PROPOSED SUPPLEMENTAL BUFFER 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

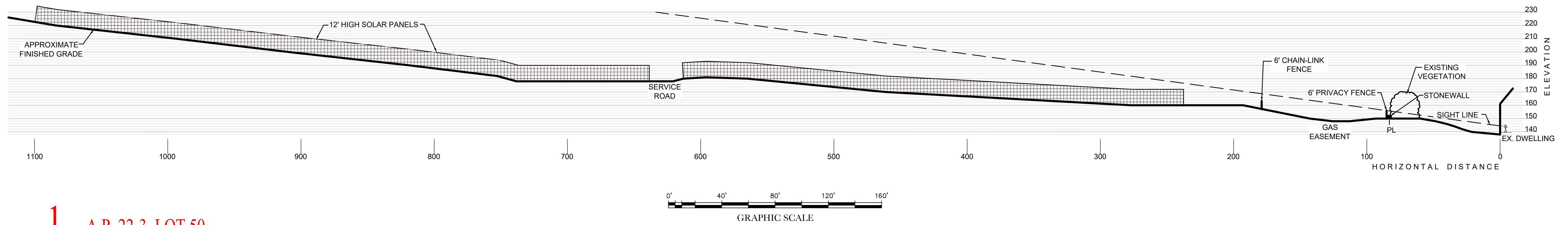
960 Boston Neck Road  
Narragansett, RI 02882  
(401)783-3500 Fax: (401) 792-1327

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

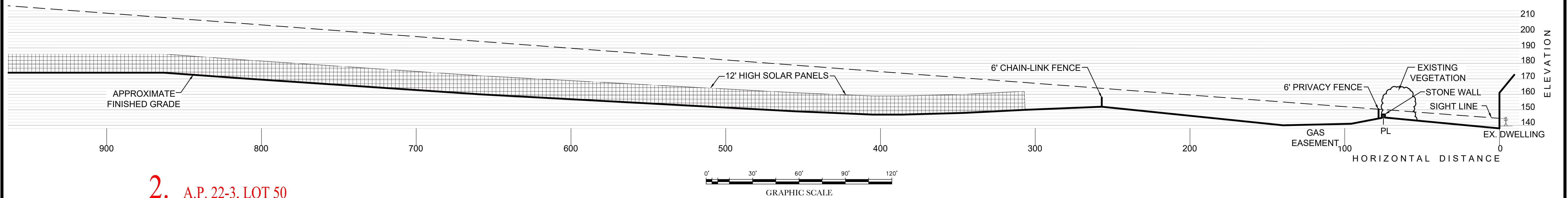
MAY 8, 2020  
DWN. BY: L.M.W.

SHEET 1 OF 6

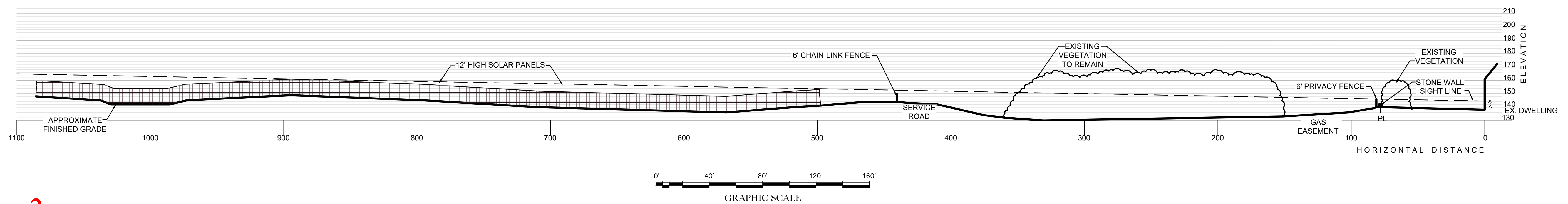
02	10-07-20	BUFFER & TRANSECTS ADDED	LMW
01	7-22-20	GRADING	LMW
NO.	DATE	DESCRIPTION	BY



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



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



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

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CROSS SECTIONS 1

NATICK AVENUE SOLAR

ASSESSOR'S PLAT 22-3 LOTS 108 & 119  
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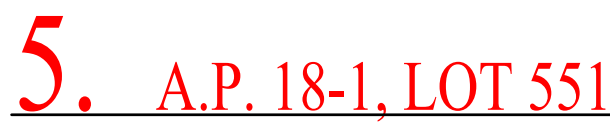
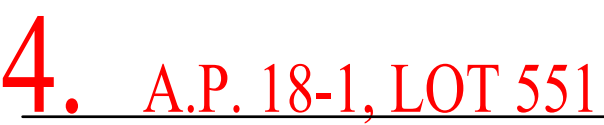
REVITY ENERGY, LLC.

117 Metro Center Blvd.  
Warwick, RI

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01-17-22-20	GRADING	LWW
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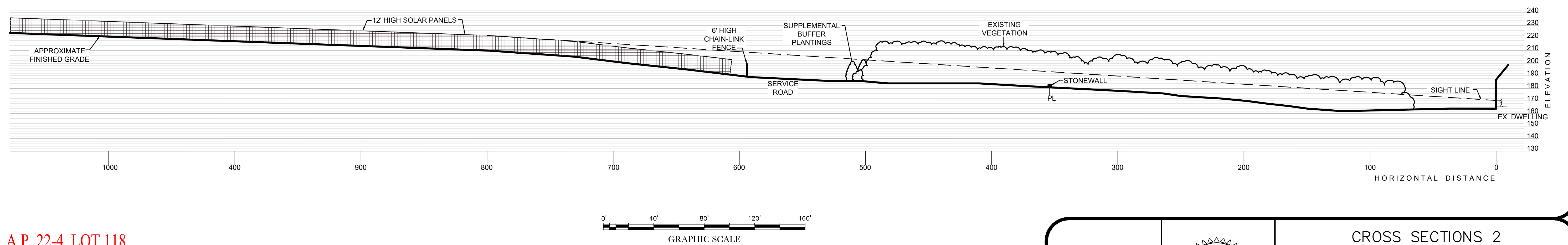
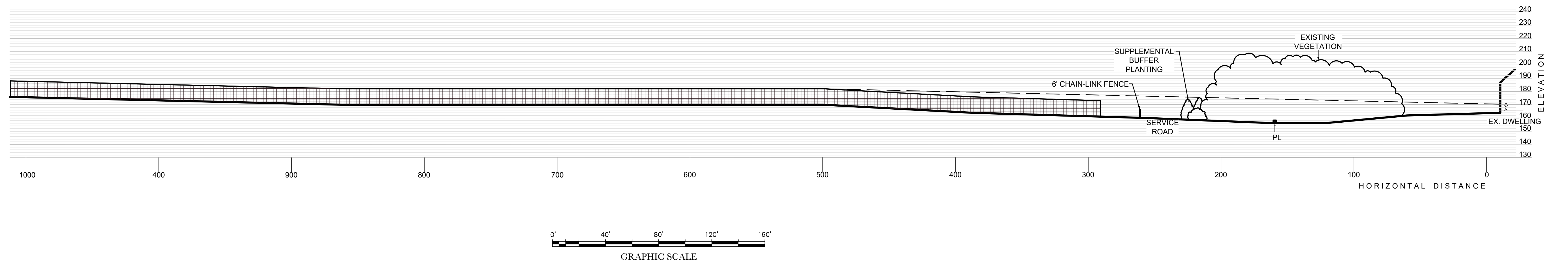
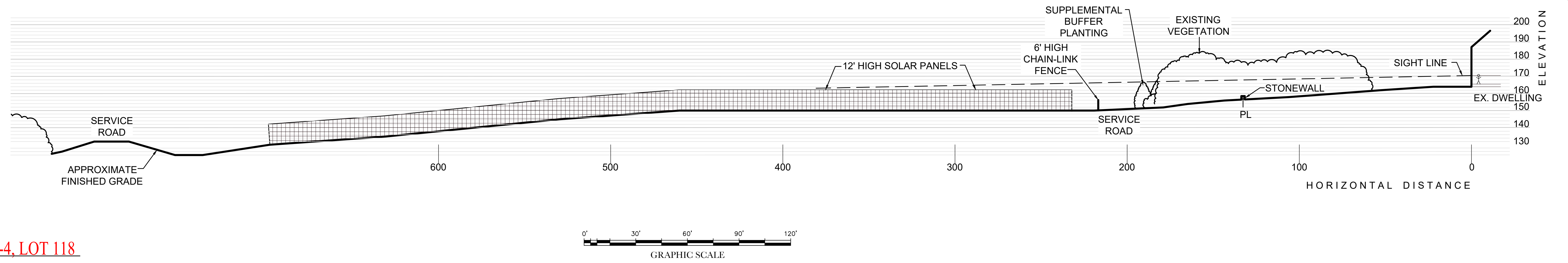
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DWN. BY: L.M.W.

SHEET 2 OF 6

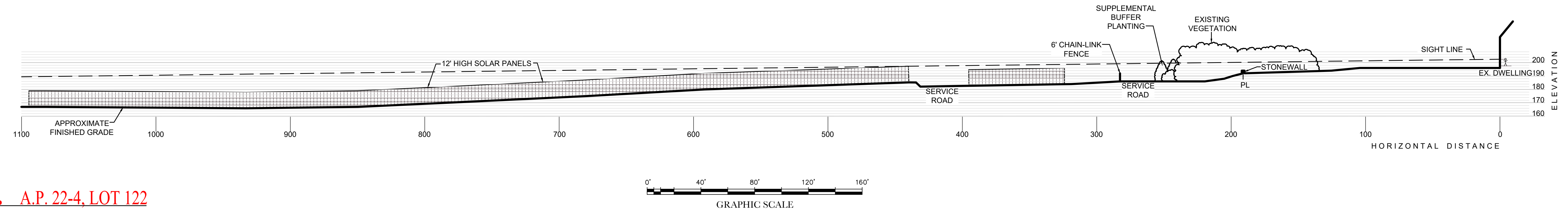


Warwick, RI

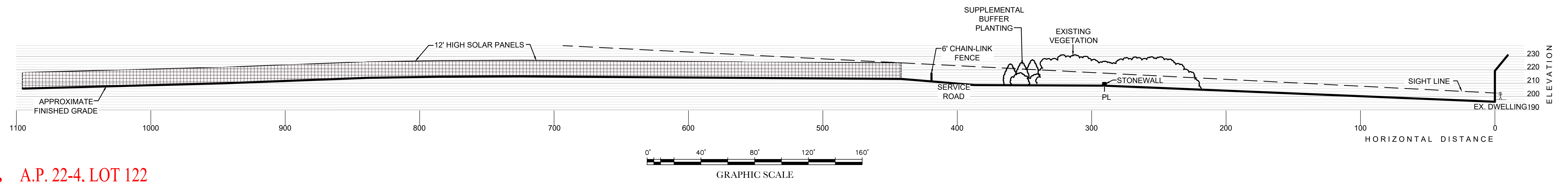
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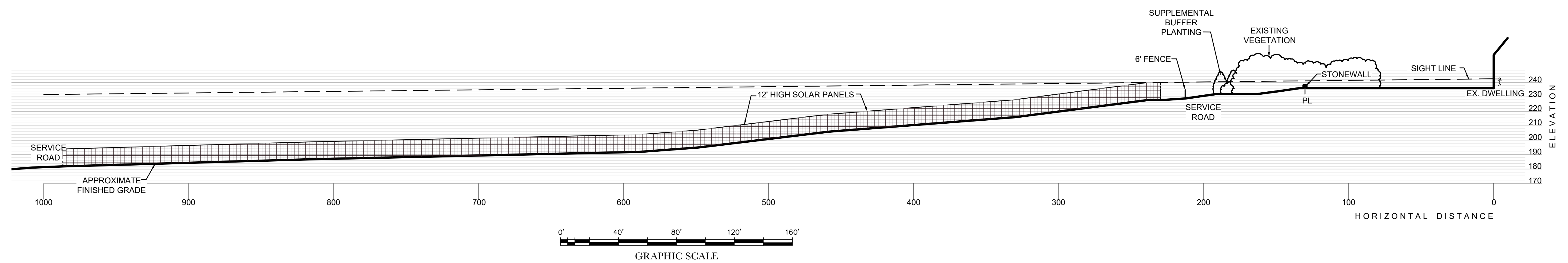
		<p>CROSS SECTIONS 2</p> <p><b>NATICK AVENUE SOLAR</b></p> <p>ASSESSOR'S PLAT 22-3 LOTS 108 &amp; 119 CRANSTON, RHODE ISLAND</p>	
		<p>PREPARED BY</p> <p><b>JOHN C. CARTER &amp; COMPANY, INC.</b> LANDSCAPE ARCHITECTURE 960 Boston Neck Road Narragansett, RI 02882 (401) 783-3500 Fax: (401) 792-1327</p>	
<p>PREPARED FOR</p> <p><b>REVITY ENERGY, LLC.</b> 117 Metro Center Blvd. Warwick, RI</p>		<p>MAY 8, 2020 DWN. BY: L.M.W.</p>	
<p>02/10-07-20 TRANSECT ADDED &amp; UPDATED L.M.W. 01/7-22-20 GRADING L.M.W. NO. DATE DESCRIPTION BY</p>		<p>SHEET <b>4</b> OF 6</p>	



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



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



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



CROSS SECTIONS 3

NATICK AVENUE SOLAR

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

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LANDSCAPE ARCHITECTURE

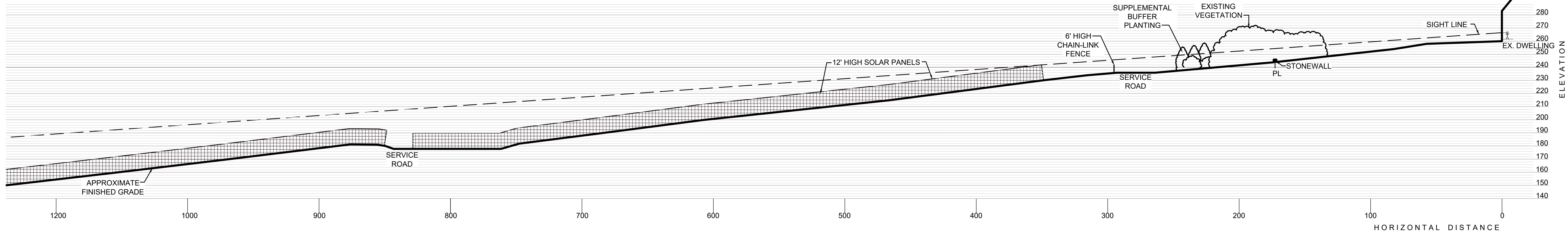
960 Boston Neck Road  
Narragansett, RI 02882  
(401)783-3500 Fax: (401) 792-1327

PREPARED FOR  
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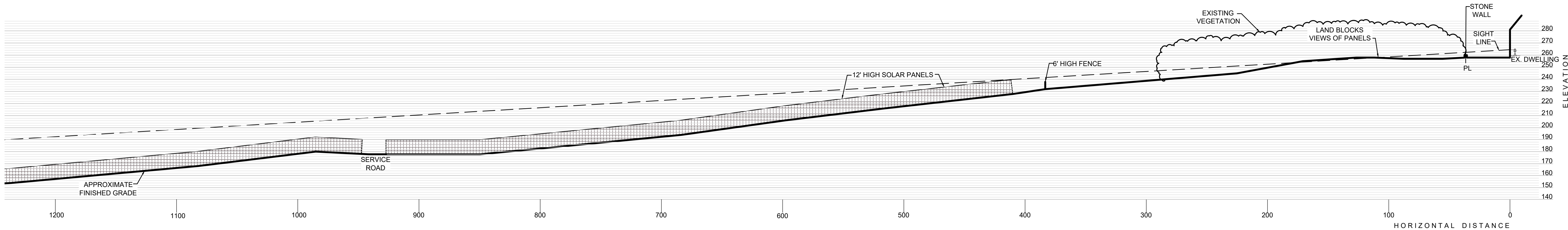
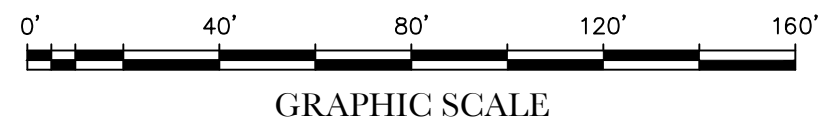
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Warwick, RI

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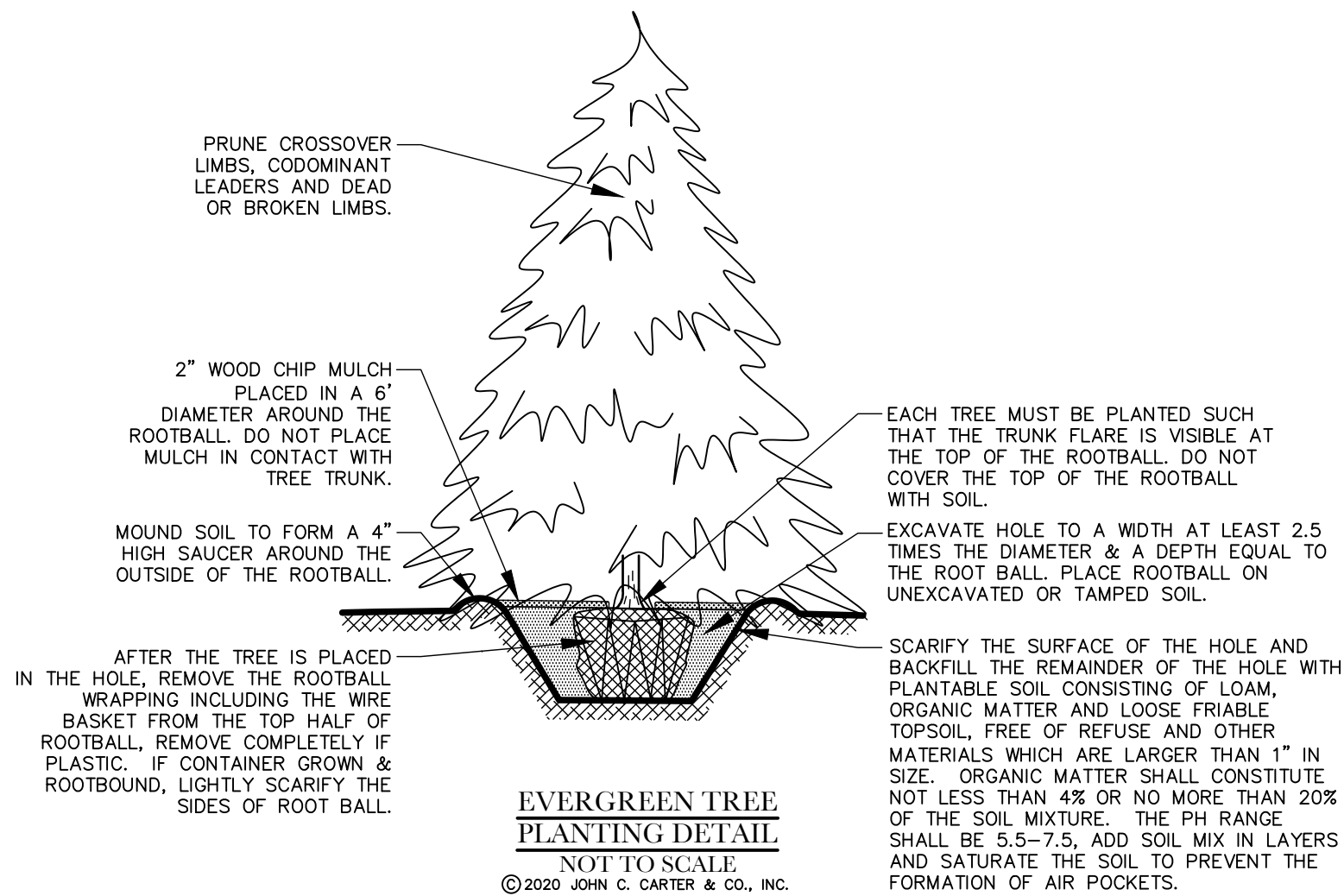
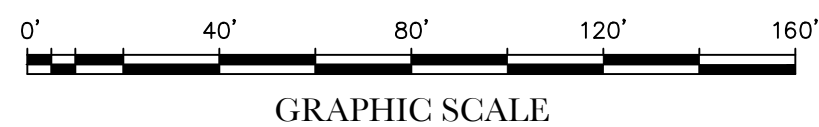
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DWN. BY: L.M.W.



### 13. A.P. 22-2, LOT 217



### 14. A.P. 22-2, LOT 216



#### BUFFER ASSESSMENT & SUPPLEMENTARY BUFFER PLANTING

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

#### PLANTING SEQUENCE

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

#### PLANTING

1. 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."
2. PROVIDE PLANTS IN THE SIZE AND NUMBER INDICATED IN THE PLANT SCHEDULE.
3. DELIVER FRESH DUG TREES WHICH ARE BALLED AND BURLAPPED. ALL PLANTS ARE TO BE HEALTHY, VIGOROUS AND FREE OF INSECTS AND DISEASE.
4. 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.
5. ALL PLANTING BEDS ARE TO BE COVERED WITH 2" OF COMPOSTED WOOD CHIP MULCH.
6. 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.
7. RECOMMENDED PLANTING DATES ARE APRIL 15 TO JUNE 15 AND SEPTEMBER 15 TO NOVEMBER 15.
8. PLANT SUBSTITUTIONS SHALL BE ALLOWED BASED ON AVAILABILITY. SUBSTITUTIONS MAY BE MADE ONLY WITH DIRECT APPROVAL FROM THE LANDSCAPE ARCHITECT OR OWNER.

#### MAINTENANCE & WARRANTY

1. THE CONTRACTOR SHALL WARRANTY ALL PLANTS FOR A PERIOD OF TWO YEARS AFTER THE DATE OF SUBSTANTIAL COMPLETION AGAINST DEFECTS INCLUDING DEATH AND UNSATISFACTORY GROWTH.
2. AFTER PLANTING IS COMPLETED, THE OWNER SHALL BE RESPONSIBLE TO PROVIDE ADEQUATE WATER TO ENSURE HEALTHY AND VIGOROUS GROWTH.
3. ANY PLANT WHICH IS NOT HEALTHY AND GROWING VIGOROUSLY AFTER TWO YEARS SHALL BE REPLACED BY THE CONTRACTOR IN CONFORMANCE WITH THE PLANTING SPECIFICATIONS.

#### PLANT SCHEDULE

AREA 'A'				
QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	NOTES
10	PINUS STROBUS	EASTERN WHITE PINE	5-8' HT.	10' O.C.

AREA 'B'				
QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	NOTES
14	A MIXTURE OF: ILEX OPACA JUNIPERUS VIRGINIANA CRYPTOMERIA JAPONICA THUJA PLICATA 'GREEN GIANT'	AMERICAN HOLLY EASTERN RED CEDAR CRYPTOMERIA GREEN GIANT ARBORVITAE	5-8' HT.	10' O.C.

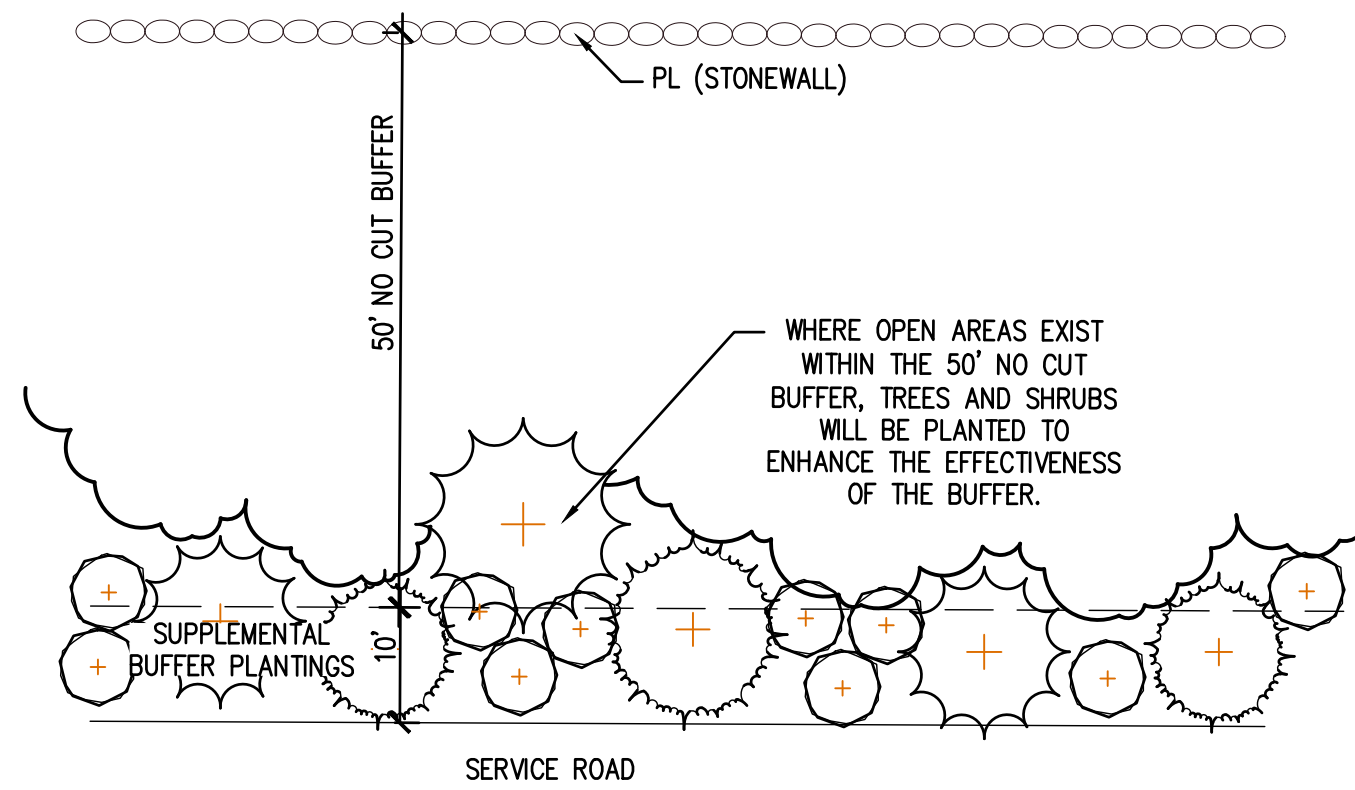
#### AREA 'C'

A MIXTURE OF EVERGREEN AND DECIDUOUS TREES AND SHRUBS, INCLUDING: ILEX OPACA, PINUS STROBUS, JUNIPERUS VIRGINIANA, CRYPTOMERIA JAPONICA, RHODODENDRON MAXIMUM, VIBURNUM DENTATUM, VIBURNUM OPULUS, CORNUS RACEMOSA, LEUCOTHOE AXILLARIS, VACCINIUM CORYMBOSUM, MORELLA PENNSYLVANICA.

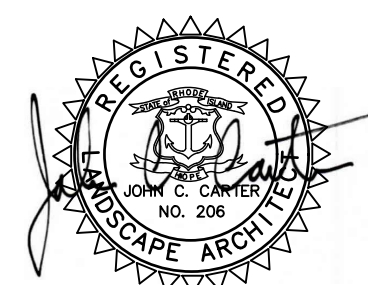
#### ENERGYSCAPE SOLAR LOW/SOW GROWING MIX TO BE PLANTED BENEATH THE PV ARRAY

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.



TYPICAL SUPPLEMENTAL PLANTING DETAIL  
SCALE: NTS



#### CROSS SECTIONS 4

#### NATICK AVENUE SOLAR

ASSESSOR'S PLAT 22-3 LOTS 108 & 119  
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SHEET 6 OF 6