

LANDSCAPE PLANS

NATICK AVENUE SOLAR

LOCATED AT:

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

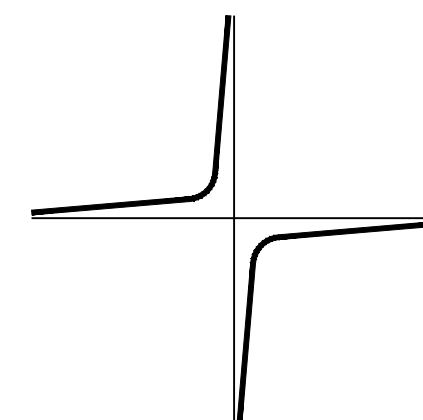
PREPARED FOR THE:

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	10-22-2020	11-30-2020	01-14-2021	
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3	CROSS SECTIONS 4, 5, & 6	05-08-2020	07-22-2020	10-07-2020	10-22-2020			
4	CROSS SECTIONS 7, 8 & 9	05-08-2020	07-22-2020	10-07-2020	10-22-2020			
5	CROSS SECTIONS 10, 11, 12	05-08-2020	07-22-2020	10-07-2020	10-22-2020			
6	CROSS SECTIONS 13 & 14			10-07-2020	10-22-2020	11-30-2020	01-14-2021	01-15-2021

PREPARED BY:



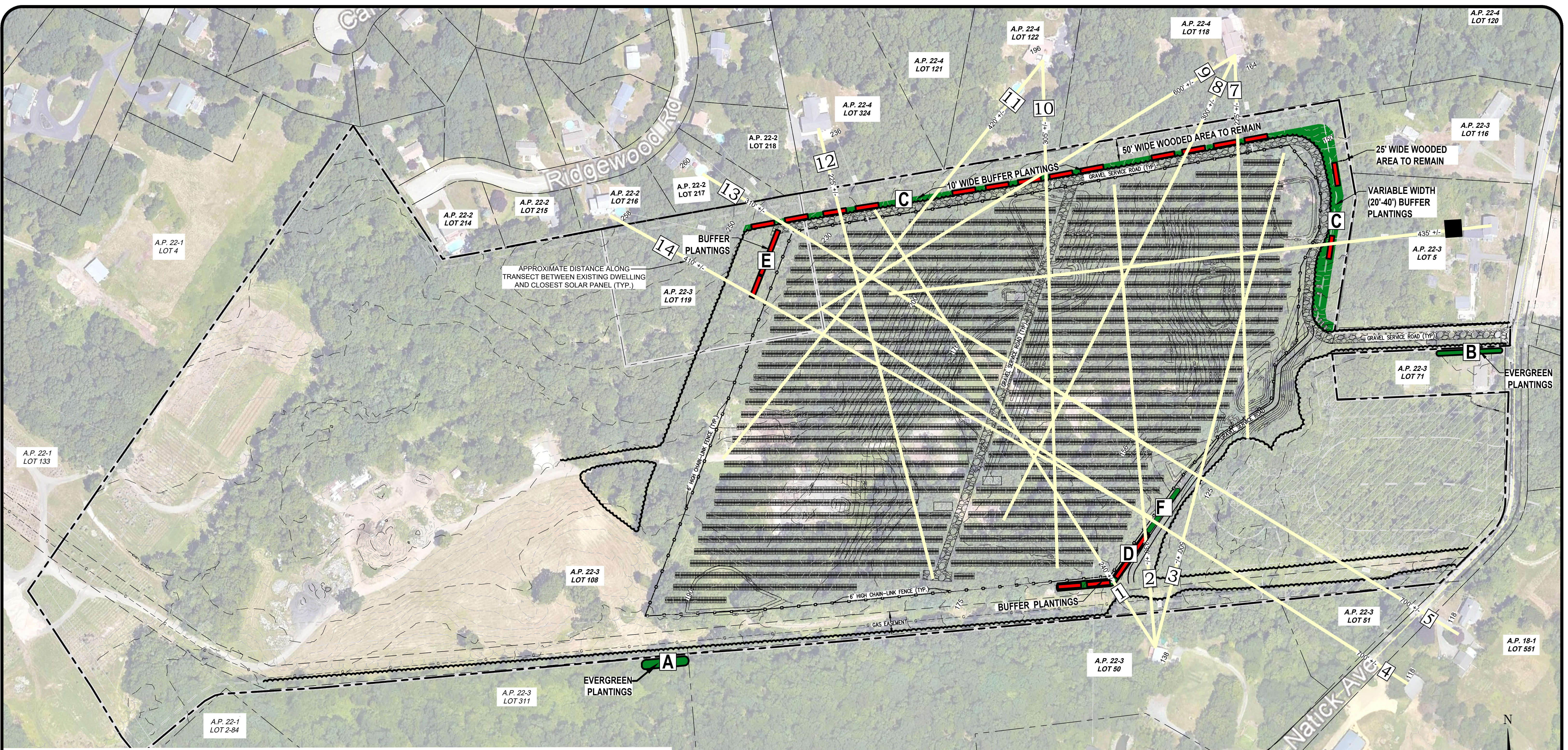
JOHN C. CARTER & CO., INC.

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.

NOTE: PLANT AREAS 'A' AND 'B' ARE NOT PART OF THE NATICK AVENUE SOLAR PROJECT UNDER REVIEW BY THE CITY OF CRANSTON. THESE PLANTING AREAS HAVE BEEN INCLUDED FOR ILLUSTRATIVE PURPOSES ONLY AND WILL BE DETERMINED BY PRIVATE AGREEMENTS WITH THE RESPECTIVE PROPERTY OWNERS.

PROJECT NARRATIVE:

PROGRAM:

THE GOAL OF THIS PLANTING PLAN 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.

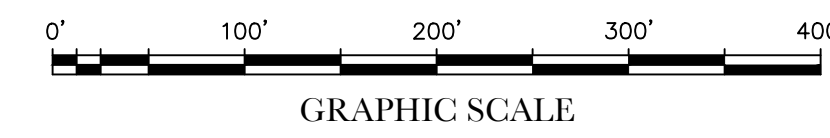
A SIGHT LINE WAS DRAWN FROM AN EYE LEVEL AT EACH RESIDENTIAL PROPERTY TO THE LOCATION OF THE HIGHEST AND LOWEST VISIBLE SOLAR PANEL ALLOWING THE HEIGHT AND LOCATION OF THE BUFFER TO BE DETERMINED.

PROCESS:

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.

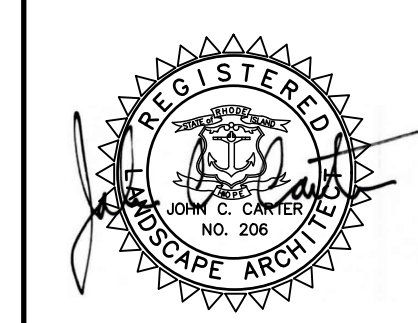
CONCLUSION:

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
- SOLAR PANELS PROPOSED
- PROPOSED TREE LINE
- TRANSECT
- CLEARED AREA WITH 50'X10' PLANTING PATTERN
- SUPPLEMENTAL BUFFER PLANTINGS

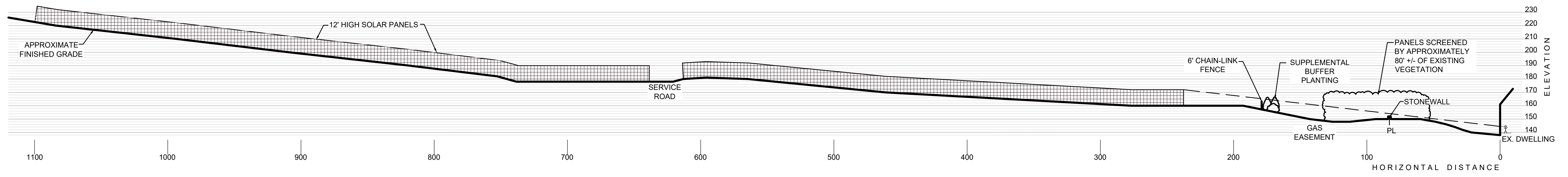


BUFFER PLAN
NATICK AVENUE SOLAR
 ASSESSOR'S PLAT 22-3 LOTS 108 & 119
 CRANSTON, RHODE ISLAND
 PREPARED BY
JOHN C. CARTER & COMPANY, INC.
LANDSCAPE ARCHITECTURE
 960 Boston Neck Road
 Narragansett, RI 02882
 (401)783-3500 Fax: (401) 792-1327
 PREPARED FOR
REVITY ENERGY, LLC.
 117 Metro Center Blvd.
 Warwick, RI

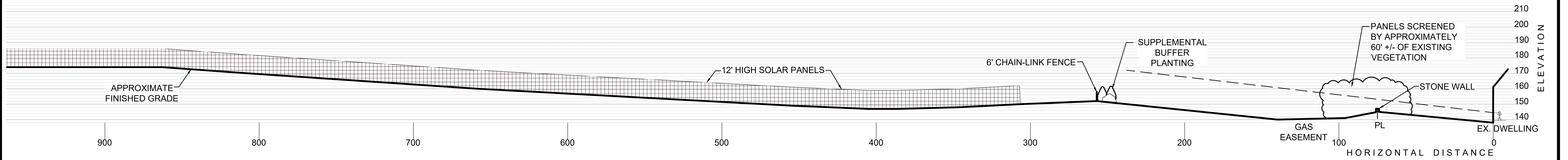
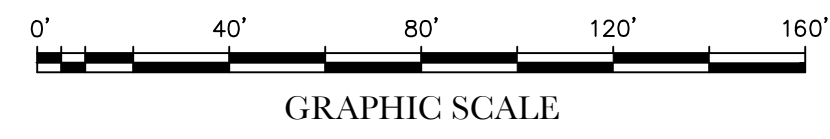
NO.	DATE	DESCRIPTION	BY
04-10-14-21		PLANTING AREAS 'D', 'E', 'F'	L.M.W.
04-11-20-20		PLANTING AREAS 'D', 'E', 'F' & GRADING	L.M.W.
07-10-07-20		PLANTING PATTERNS & GRADING	L.M.W.
07-12-22-20		BUFFER & TRANSECTS ADDED	L.M.W.
		GRADING	L.M.W.

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

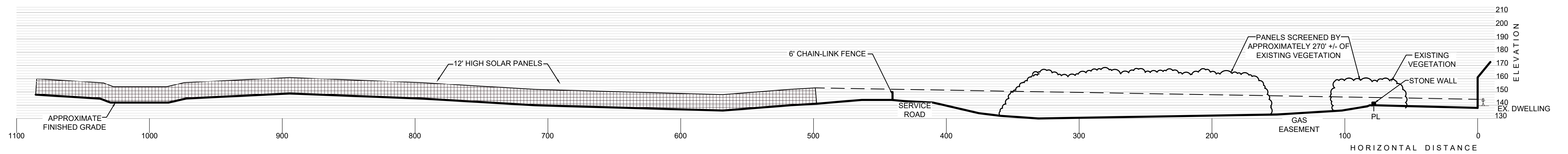
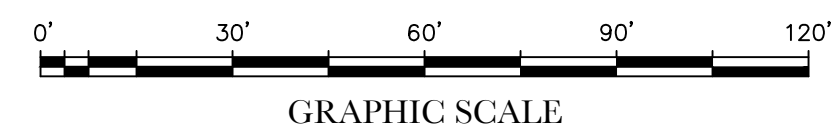
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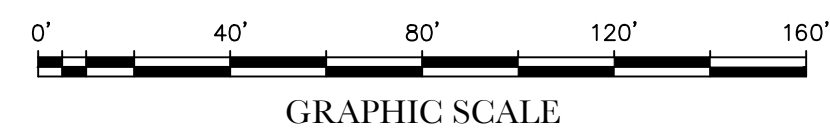
1. A.P. 22-3, LOT 50



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
CRANSTON, RHODE ISLAND

PREPARED BY
JOHN C. CARTER & COMPANY, INC.
LANDSCAPE ARCHITECTURE

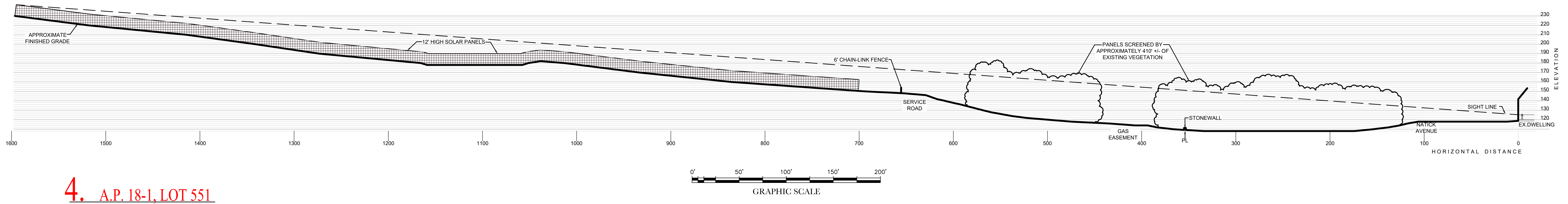
960 Boston Neck Road
Narragansett, RI 02882
(401)783-3500 Fax: (401) 792-1327

PREPARED FOR
REVITY ENERGY, LLC.

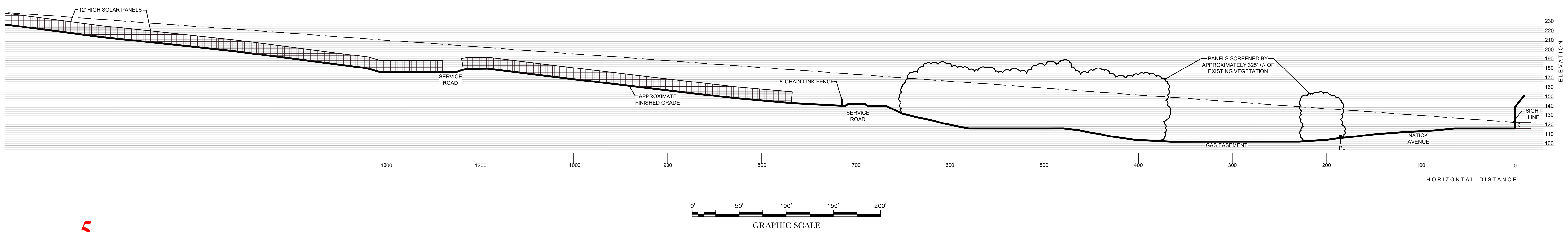
117 Metro Center Blvd.
Warwick, RI

NO.	DATE	DESCRIPTION	BY
04-11-20	20	TRANSECTS UPDATED	L.M.W.
03-10-20	20	TRANSECTS UPDATED	L.M.W.
02-10-20	20	TRANSECTS UPDATED	L.M.W.
01-17-20	20	GRADING	L.M.W.

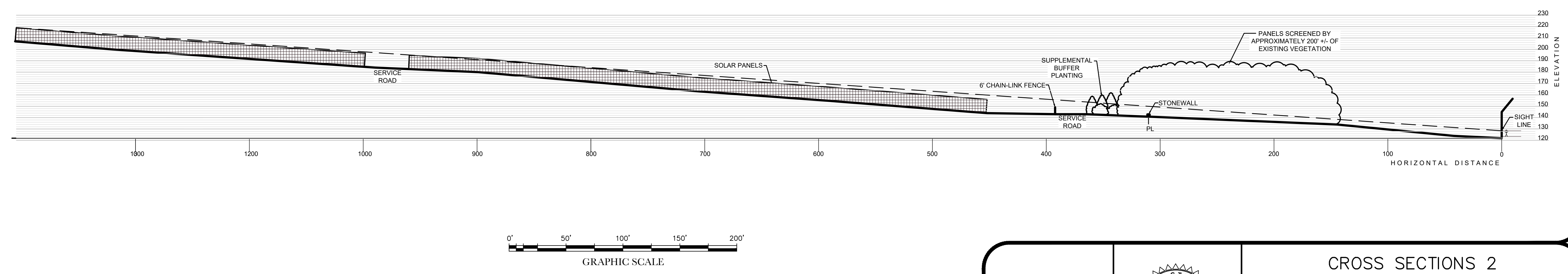
MAY 8, 2020
DWN. BY: L.M.W.



4. A.P. 18-1, LOT 551



5. A.P. 18-1, LOT 551

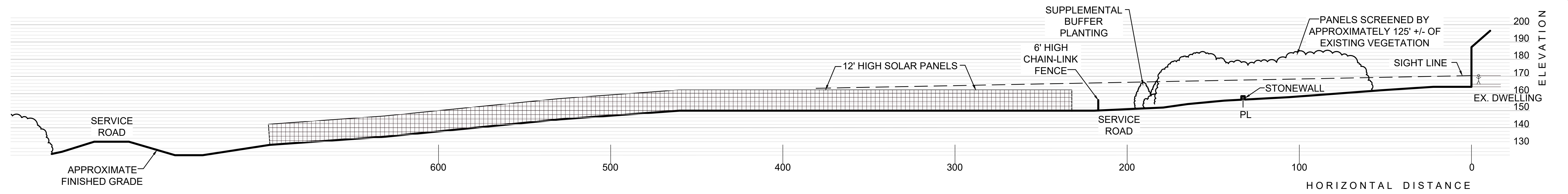


6. A.P. 22-3, LOT 5

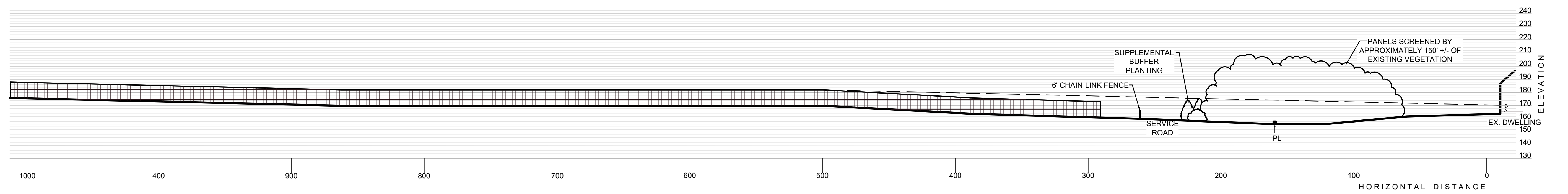
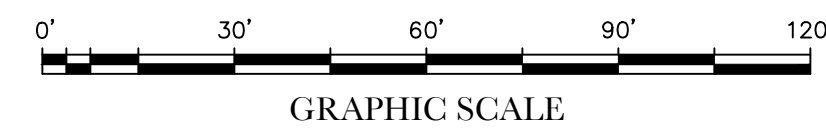
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		CROSS SECTIONS 2 NATICK AVENUE SOLAR ASSESSOR'S PLAT 22-3 LOTS 108 & 119 CRANSTON, RHODE ISLAND	
		PREPARED BY JOHN C. CARTER & COMPANY, INC. LANDSCAPE ARCHITECTURE 960 Boston Neck Road Narragansett, RI 02882 (401)783-3500 Fax: (401) 792-1327	
PREPARED FOR REVITY ENERGY, LLC. 117 Metro Center Blvd. Warwick, RI		MAY 8, 2020 DWN. BY: L.M.W.	
SHEET 3 OF 6			

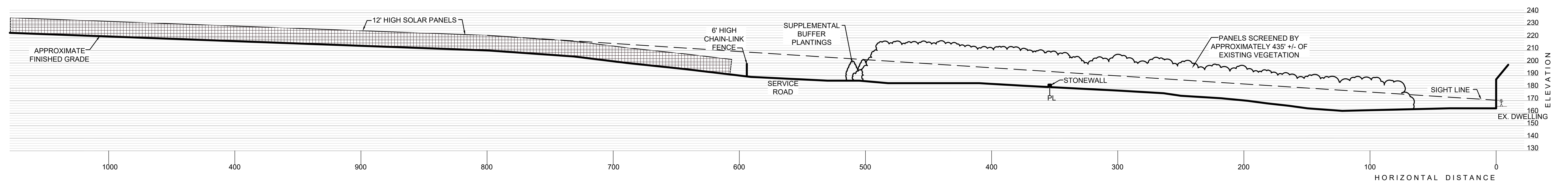
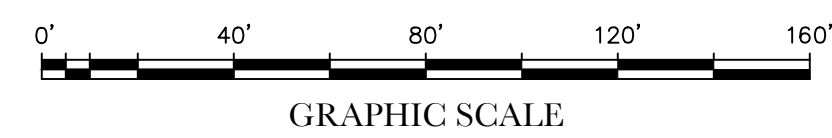
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0210-07-20		TRANSECT ADDED	L.M.W.
0117-22-20		GRADING	L.M.W.



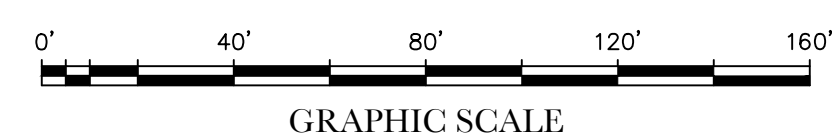
7. A.P. 22-4, LOT 118



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

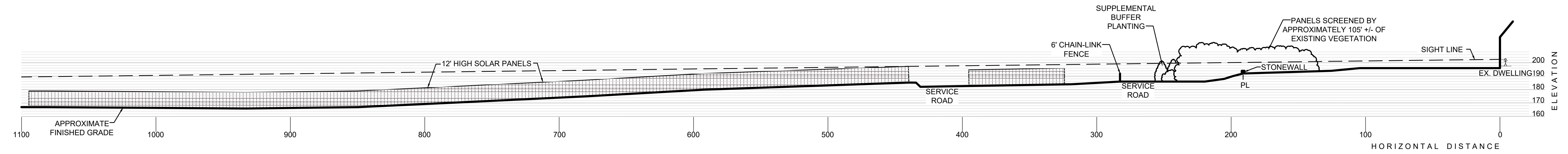


9. A.P. 22-4, LOT 118

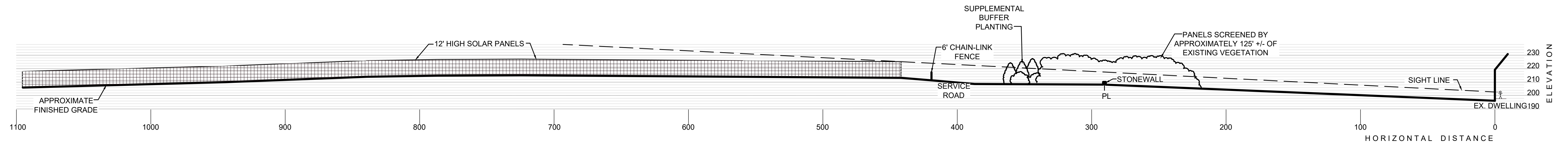
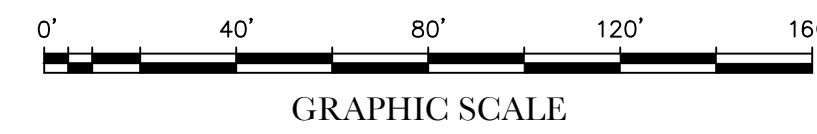


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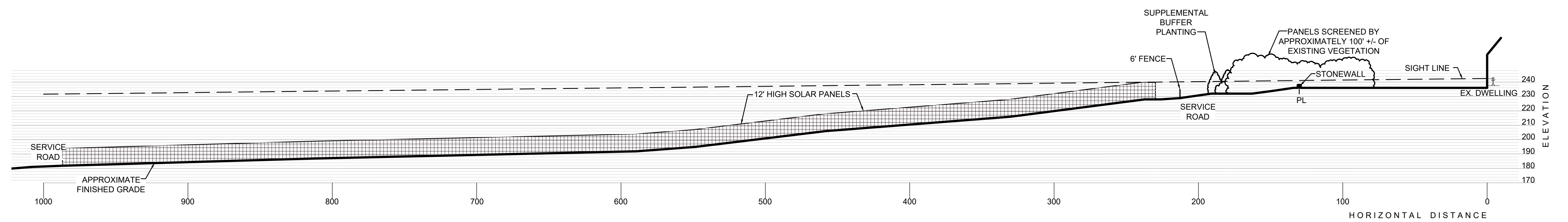
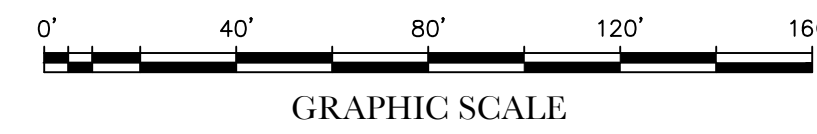
		CROSS SECTIONS 2 NATICK AVENUE SOLAR ASSESSOR'S PLAT 22-3 LOTS 108 & 119 CRANSTON, RHODE ISLAND																	
		PREPARED BY JOHN C. CARTER & COMPANY, INC. LANDSCAPE ARCHITECTURE 960 Boston Neck Road Narragansett, RI 02882 (401)783-3500 Fax: (401) 792-1327																	
<table border="1"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> <th>BY</th> </tr> </thead> <tbody> <tr> <td>0310-22-20</td> <td></td> <td>TRANSECTS UPDATED</td> <td>LMW</td> </tr> <tr> <td>0210-07-20</td> <td></td> <td>TRANSECTS ADDED & UPDATED</td> <td>LMW</td> </tr> <tr> <td>0117-22-20</td> <td></td> <td>GRADING</td> <td>LMW</td> </tr> </tbody> </table>		NO.	DATE	DESCRIPTION	BY	0310-22-20		TRANSECTS UPDATED	LMW	0210-07-20		TRANSECTS ADDED & UPDATED	LMW	0117-22-20		GRADING	LMW	PREPARED FOR REVITY ENERGY, LLC. 117 Metro Center Blvd. Warwick, RI	
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0210-07-20		TRANSECTS ADDED & UPDATED	LMW																
0117-22-20		GRADING	LMW																
		MAY 8, 2020 DWN. BY: L.M.W.																	
		SHEET 4 OF 6																	



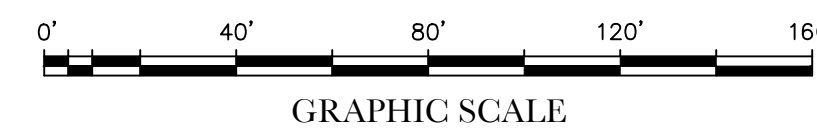
10. A.P. 22-4, LOT 122



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



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

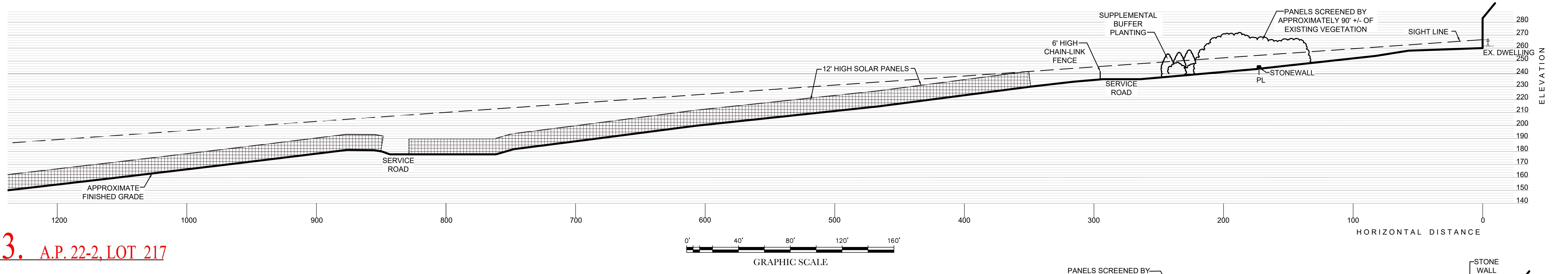


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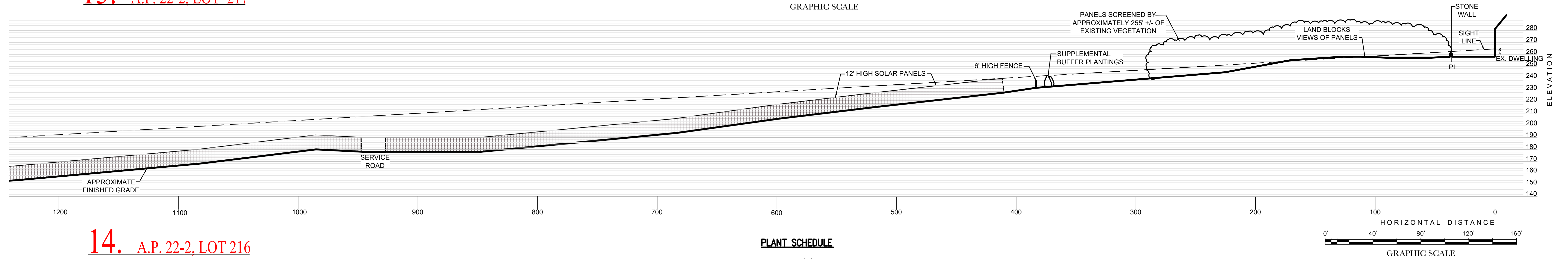
		CROSS SECTIONS 3 NATICK AVENUE SOLAR <small>ASSESSOR'S PLAT 22-3 LOTS 108 & 119 CRANSTON, RHODE ISLAND</small>	
		<small>PREPARED BY</small> JOHN C. CARTER & COMPANY, INC. LANDSCAPE ARCHITECTURE <small>960 Boston Neck Road Narragansett, RI 02882 (401)783-3500 Fax: (401) 792-1327</small>	
<small>PREPARED FOR</small> REVITY ENERGY, LLC. <small>117 Metro Center Blvd. Warwick, RI</small>		<small>MAY 8, 2020</small> <small>DWN. BY: L.M.W.</small>	
<small>SHEET 5 OF 6</small>			

NO.	DATE	DESCRIPTION	BY
0310-22-20		TRANSFECTS UPDATED	LMW
0210-07-20		TRANSFECTS UPDATED	LMW
0117-22-20		GRADING	LMW

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



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



PLANT SCHEDULE

AREA 'A'

KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE	NOTES
PS	10	PINUS STROBUS	EASTERN WHITE PINE	5-8' HT.	10' O.C.

AREA 'B'

KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE	NOTES
PS	10	PINUS STROBUS	EASTERN WHITE PINE	5-8' HT.	10' O.C.
TP	4	THUJA PLICATA 'GREEN GIANT'	GREEN GIANT ARBORVITAE	5-8' HT.	10' O.C.

AREAS 'C', 'D' & 'E'

KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE	NOTES
AC1	31	AMELANCHIER CANADENSIS OR BETULA POPULIFOLIA	SHADBLOW SERVICEBERRY OR GRAY BIRCH	5-6' HT.	CLUMP
AC2	46	AMELANCHIER CANADENSIS OR BETULA POPULIFOLIA	SHADBLOW SERVICEBERRY OR GRAY BIRCH	8-10' HT.	CLUMP
IO	16	ILEX OPACA	AMERICAN HOLLY	4-5' HT.	
JV	85	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	7-8' HT.	
PS1	30	PINUS STROBUS	EASTERN WHITE PINE	4-5' HT.	
PS2	30	PINUS STROBUS	EASTERN WHITE PINE	7-8' HT.	

KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE
184 TOTAL				
+		VACCINIUM CORYMBOSUM	HIGH BUSH BLUEBERRY	2 1/2-3'
+		VIBURNUM DENTATUM	ARROWWOOD VIBURNUM	2 1/2-3'
+		MORELLA PENNSYLVANICA	BAYBERRY	2 1/2-3'
+		CORNUS RACEMOSA	GRAY DOGWOOD	2 1/2-3'

AREA 'F'

KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE
PS	10	PINUS STROBUS	EASTERN WHITE PINE	5-6'
JV	10	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	5-6'

GRASS SEED MIXES

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

ENERGYSCAPE SOLAR LOW/SOW GROWING MIX FOR THE AREA BENEATH THE SOLAR PANELS - RATE 7-8 LBS/M/SQ

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

SOLAR SURROUNDINGS MIX FOR ALL OTHER DISTURBED AREAS OTHER THAN BENEATH THE SOLAR PANELS. - RATE 30-40 LBS/ACR

PERCENT	INGREDIENT
20%	VIKING H2O HARD FESCUE
20%	SHEEP FESCUE
15%	ANNUAL RYE
15%	VIRGINIA WILD RYE
15%	LITTLE BLUE STEM
5%	INDIAN GRASS
3.5%	PARTRIDGE PEA
1.75%	BLACK EYED SUSAN
1.5%	LANCELEAF COREOPSIS
1%	OXEYE SUNFLOWER
1%	PURPLE CONE FLOWER
.25%	BUTTERFLY MILKWEED
.25%	NEW ENGLAND ASTER
.25%	PURPLE JOE PYE WEED
.25%	WILD BERGAMOT
.25%	BONASET

DETENTION PONDS AND STEEP SLOPES WILL BE SEEDED AS SPECIFIED IN THE DEM APPROVED PLAN PREPARED BY DIPRETE ENGINEERING.

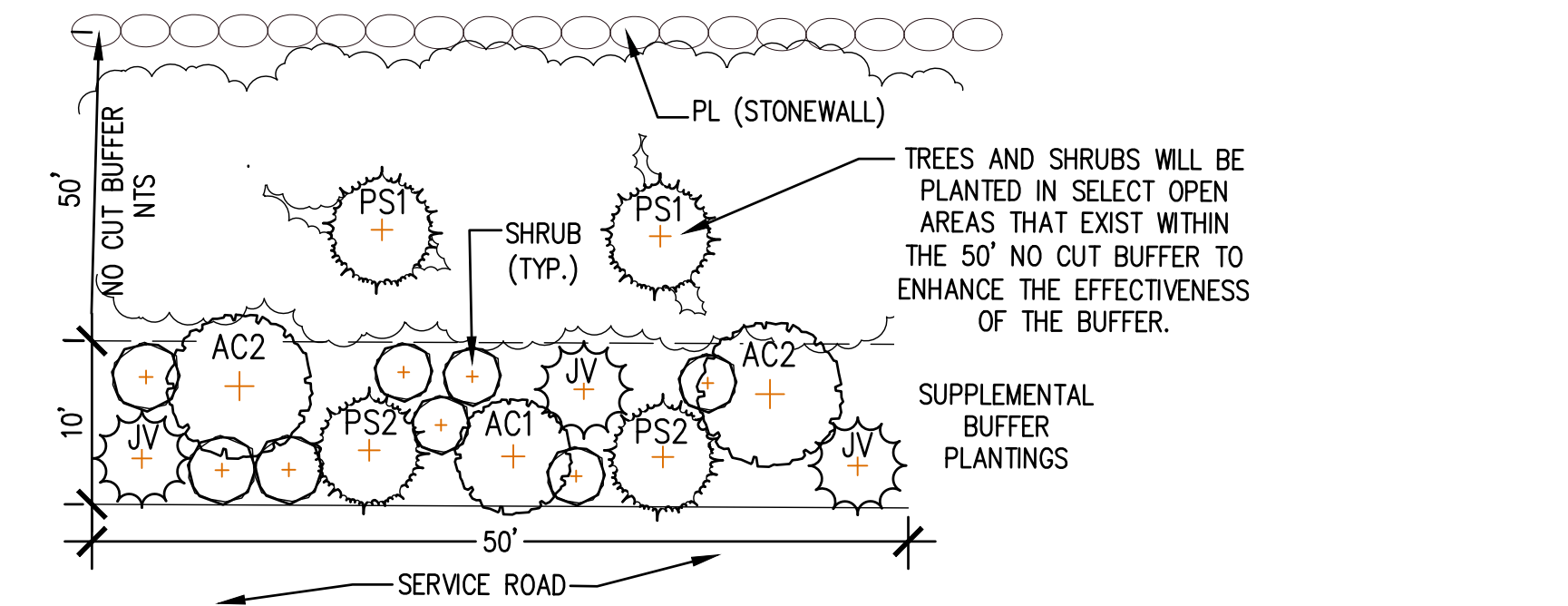
- BUFFER ASSESSMENT & SUPPLEMENTARY BUFFER PLANTING**
- THE PROPOSED LIMIT OF CLEARING WILL BE DELINEATED IN THE FIELD PRIOR TO ANY LOT CLEARING.
 - LARGE TREES ON THE SOUTH PROPERTY LINE THAT CAST SHADE ON THE SOLAR ARRAY SHALL BE SELECTIVELY REMOVED.

- 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.

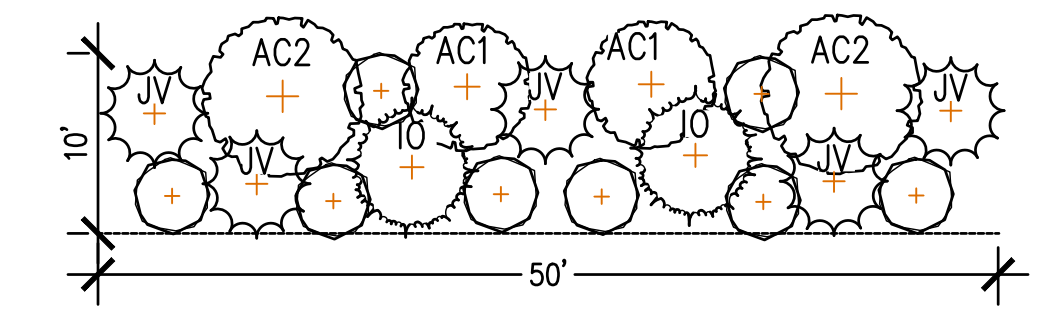
- PLANTING:**
- PROVIDE QUALITY PLANTS IN THE GENUS, SPECIES AND VARIETY INDICATED IN THE PLANT SCHEDULE, COMPLYING WITH APPLICABLE REQUIREMENTS OF "ANSI Z60.1 AMERICAN STANDARD FOR NURSERY STOCK."
 - PROVIDE PLANTS IN THE SIZE AND NUMBER INDICATED IN THE PLANT SCHEDULE.
 - DELIVER FRESH DUG TREES WHICH ARE BALLED AND BURLAPPED. SHRUBS MAY BE BALLED AND BURLAPPED OR IN CONTAINERS. 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 WOOD CHIP MULCH.
 - 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 APPLICANT'S LANDSCAPE ARCHITECT OR OWNER. ALL SUBSTITUTIONS SHALL BE THE SAME PLANTING HEIGHT AND GROWTH HABIT AS THE PLANT BEING SUBSTITUTED.

- MAINTENANCE & WARRANTY:**
- AFTER PLANTING IS COMPLETED, THE OWNER SHALL BE RESPONSIBLE TO PROVIDE ADEQUATE WATER TO ENSURE HEALTHY AND VIGOROUS GROWTH.
 - ANY PLANT WHICH IS NOT ALIVE AND GROWING SATISFACTORILY WITHIN A THREE-YEAR PERIOD SHALL BE REPLACED BY THE CONTRACTOR IN CONFORMANCE WITH THE PLANTING SPECIFICATIONS.
 - PLANTINGS IN AREA D, E AND F WILL BE TRIMMED TO A HEIGHT OF NO LESS THAN 12'.

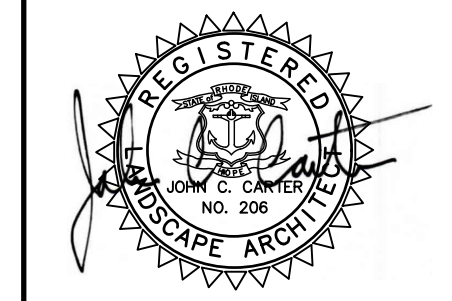
NOTE: PLANT AREAS 'A' AND 'B' ARE NOT PART OF THE NATICK AVENUE SOLAR PROJECT UNDER REVIEW BY THE CITY OF CRANSTON.



C-TYPICAL SUPPLEMENTAL PLANTING DETAIL - 50' PATTERN
SCALE: NTS



D & E - TYPICAL (AMENDED) SUPPLEMENTAL PLANTING DETAIL - 50' PATTERN
SCALE: NTS



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
 MAY 8, 2020
 DWN. BY: L.M.W.
 SHEET 6 OF 6

NO.	DATE	DESCRIPTION	LMW	BY
06/01-15-21		UPDATED PLANTING NOTES	LMW	
05/01-12-21		PLANTING SCHEDULES & NOTES	LMW	
04/11-30-20		PLANTING SCHEDULES & DETAIL	LMW	
03/10-22-20		PLANTING SCHEDULES & DETAIL	LMW	
02/10-07-20		TRANSPOIS UPDATED NOTES & DETAILS ADDED	LMW	
01/7-22-20		GRADING	LMW	