LANDSCAPE PLANS

FRONTIER ROAD SOLAR

LOCATED AT:

Frontier Road
A.P. 7, Lots 62, 62A, 63
Hopkinton, 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	LANDSCAPE PLAN	04-17-2020	04-28-2020	05-18-2020	06-22-2020
2	CROSS SECTIONS 1, 2, & 3	04-17-2020	04-28-2020		
3	CROSS SECTIONS 4, 5, & 6	04-17-2020	04-28-2020	05-18-2020	
4	PLANTING PLAN & DETAILS	05-18-2020			06-22-2020

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

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NOTES:

GENERAL:

1. THE EXISTING AND PROPOSED CONTOURS AND OTHER SITE INFORMATION WAS PROVIDED BY DIPRETE ENGINEERING AND SUPPLEMENTED WITH OBSERVATIONS PERFORMED BY JOHN C. CARTER & CO.
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LANDSCAPE NARRATIVE

EXISTING CONDITIONS

THE EXISTING SITE IS AN ABANDONED GOLF FACILITY WITH ROLLING TOPOGRAPHY AND THE BEGINNING OF A SUCCESSIONAL FIELD GROWTH. IN ADDITION TO FIELD GRASSES, THE SITE INCLUDES MANY WHITE PINES (PINUS STROBUS) AND EASTERN RED CEDAR (JUNIPERUS VIRGINIANA) WHICH RANGE IN HEIGHT FROM 6' TO 10'. THE EXISTING VEGETATION ALONG THE PERIMETER OF THE SITE INCLUDES SPECIES OF THE RED OAK FAMILY (QUERCUS SP.), WHITE PINE, RED CEDAR, AND A VARIETY OF DECIDUOUS UNDERSTORY SHRUBS.

IT IS THE INTENT OF THE PROJECT DEVELOPERS TO ESTABLISH A VISUAL SCREEN FROM THE ADJACENT PROPERTIES TO THE PROPOSED SOLAR PANELS BY USING COMBINATIONS OF EARTHEN BERMS, SOLID BOARD FENCES AND BUFFER PLANTINGS.

AS PROPOSED, THE REUSE OF THE EXISTING OPEN FIELD PRESENTS AN OPPORTUNITY TO DEVELOP THE SOLAR ARRAY WITHOUT REMOVING ANY SIGNIFICANT QUANTITY OF TREES.

VIEW ANALYSIS

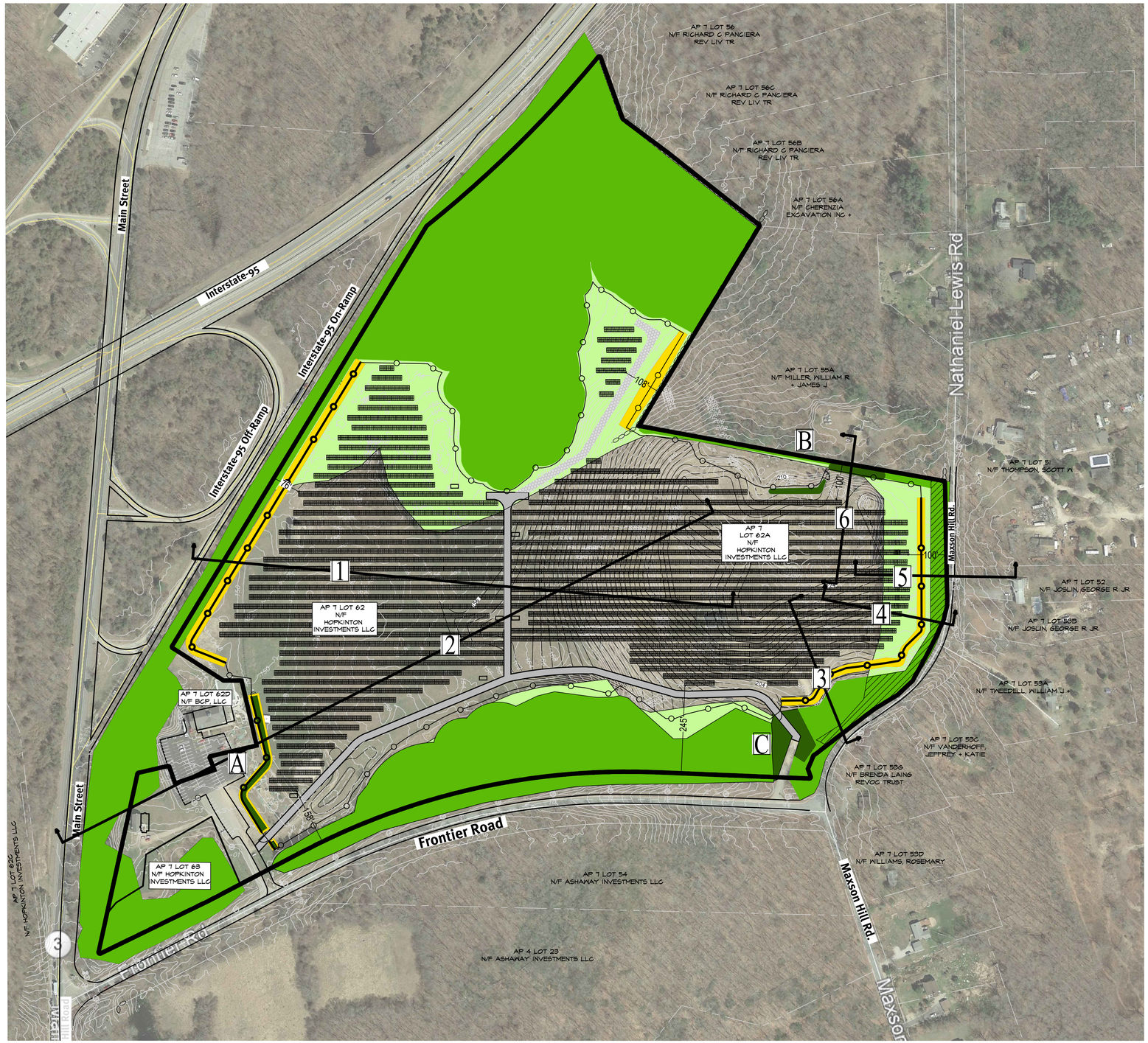
AS SHOWN ON SHEETS 2 AND 3, SIX TRANSECTS WERE CUT THROUGH THE SITE IN AREAS WHICH WERE SELECTED TO BE REPRESENTATIONAL OF THE VIEWS FROM THE SURROUNDING PROPERTIES.

THE PROPOSED TOPOGRAPHY WAS DRAWN AND THE SOLAR PANELS WERE SITED AT THEIR PROPOSED LOCATIONS AND ELEVATIONS. AN EYE HEIGHT OF 5' ABOVE GROUND LEVEL WAS ESTABLISHED AND A SITE LINE WAS PROJECTED TO THE HIGHEST VISIBLE PANEL, THEN THE HEIGHT OF THE VISUAL BARRIER WAS DETERMINED.

THE MAXIMUM HEIGHT OF THE PANELS WILL BE 12' AND MAY BE LOWER.

BARRIER CONSTRUCTION

THE VISUAL BARRIERS ARE TO BE CONSTRUCTED FROM A COMBINATION OF EARTHEN BERMS, SOLID WOOD FENCES AND SUPPLEMENTAL PLANTING. THE WIDTH AND HEIGHT OF THE BERMS VARY DEPENDING ON THE LOCATION, THE FENCE WILL BE CONSISTENTLY 6' TALL.



LEGEND

- EXISTING VEGETATION TO BE REMOVED
- EXISTING VEGETATION TO REMAIN
- PROPOSED VEGETATION TO BE ADDED
- AREA OF SELECTIVE CLEARING
- BERM
- (PL) PROPERTY LINE
- 6' HIGH SOLID BOARD FENCE
- 6' HIGH CHAINLINK FENCE
- TRANSECT LINE 3
- AREA OF PLANTINGS A

JOHN C. CARTER & CO., INC.
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(401) 783-3500
LANDSCAPE ARCHITECTURE
DESIGN & BUILD

LANDSCAPE PLAN

FRONTIER ROAD SOLAR

PREPARED FOR:
REVITY ENERGY, LLC

LOCATED AT:
FRONTIER ROAD
A.P. 7, LOTS 62, 62A, 63
HOPKINTON, RHODE ISLAND

REGISTERED LANDSCAPE ARCHITECT
JOHN C. CARTER
NO. 206

REVISIONS

June 22, 2020 Modified planting in northwest corner.
May 18, 2020 - Existing & proposed contours and reference labels added, #5 cross section line extended.
April 28, 2020 - Labeled distance from property line to panels.

SCALE: 1" = 150'
DATE: April 17, 2020

ISSUED FOR PERMITTING

SHEET NUMBER
1 OF 4

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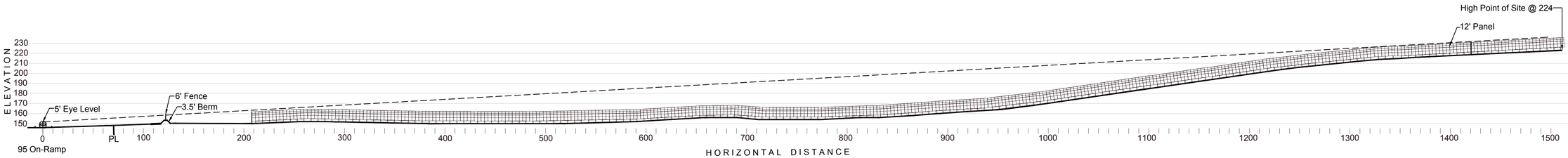
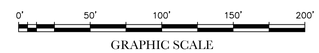
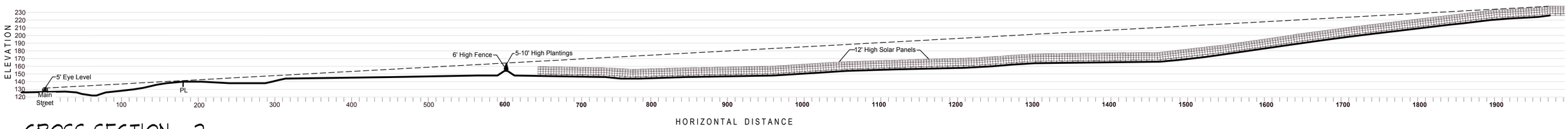


CROSS SECTION - 1

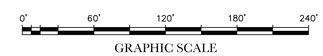
SCALE: 1" = 50'

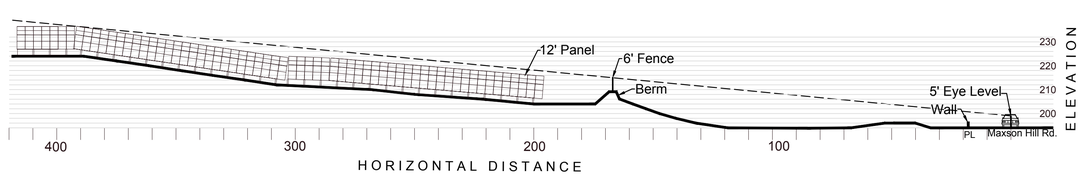




CROSS SECTION - 2

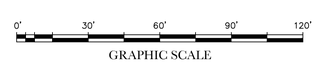
SCALE: 1" = 60'





CROSS SECTION - 3

SCALE: 1" = 30'



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LANDSCAPE ARCHITECTURE
DESIGN & BUILD

FRONTIER ROAD SOLAR

CROSS SECTIONS - 1, 2 & 3

REVITY ENERGY, LLC

Frontier Road

A.P. 7, Lots 62, 62A, 63

Hopkinton, Rhode Island

ISSUED FOR PERMITTING

DATE: April 17, 2020

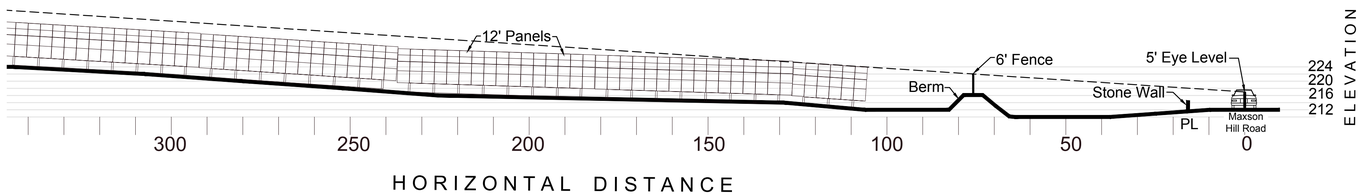
Revised: April 28, 2020 - Property line labeled.

Revised May 18, 2020 : Cross section #2 labels

SCALE: As noted

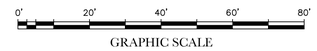
SHEET 2 OF 4

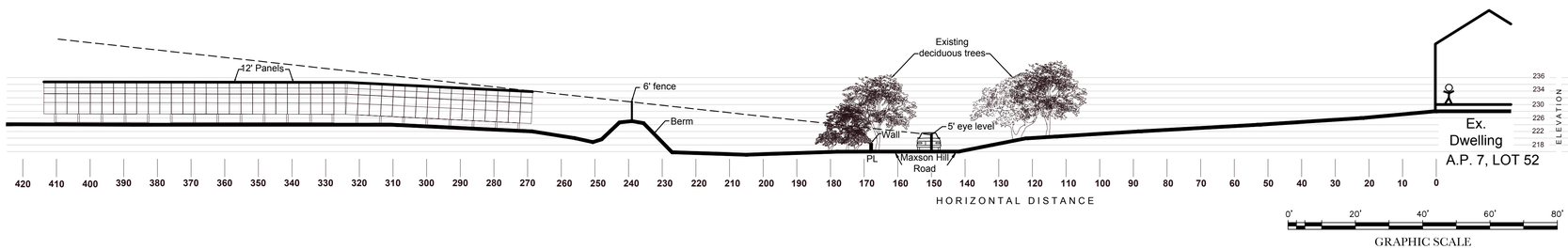
DRAWN BY: LMW



CROSS SECTION - 4

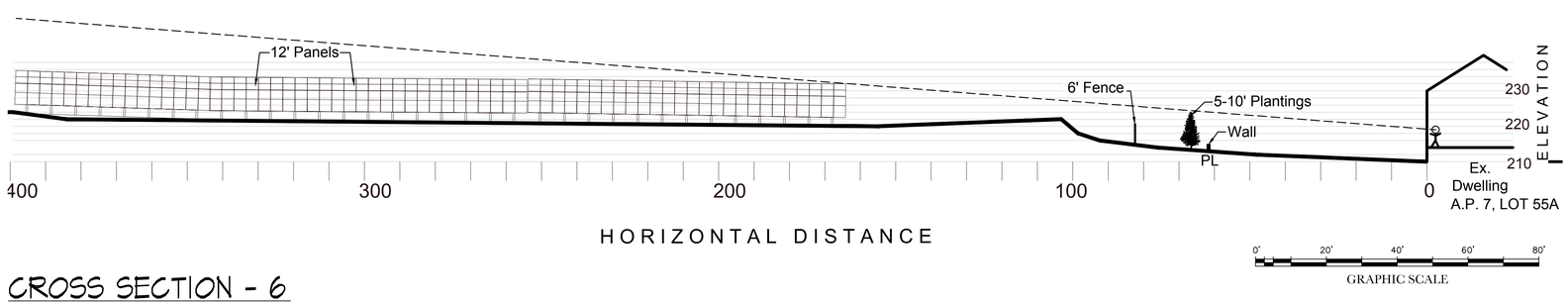
SCALE 1" = 20'





CROSS SECTION - 5

SCALE 1" = 10'



CROSS SECTION - 6

SCALE 1" = 20'

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FRONTIER ROAD SOLAR

CROSS SECTIONS- 4, 5 & 6

REVITY ENERGY, LLC

Frontier Road

A.P. 7, Lots 62, 62A, 63

Hopkinton, Rhode Island

ISSUED FOR PERMITTING

REGISTERED LANDSCAPE ARCHITECT JOHN C. CARTER NO. 206

DATE: April 17, 2020

Revised: April 28, 2020 Property line & Matson Rd labeled.

Revised May 18, 2020 : Cross section #5 extended to abutter residence

SCALE: AS NOTED

SHEET 3 OF 4

DRAWN BY: LMW

NOTES:

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PLANTING:

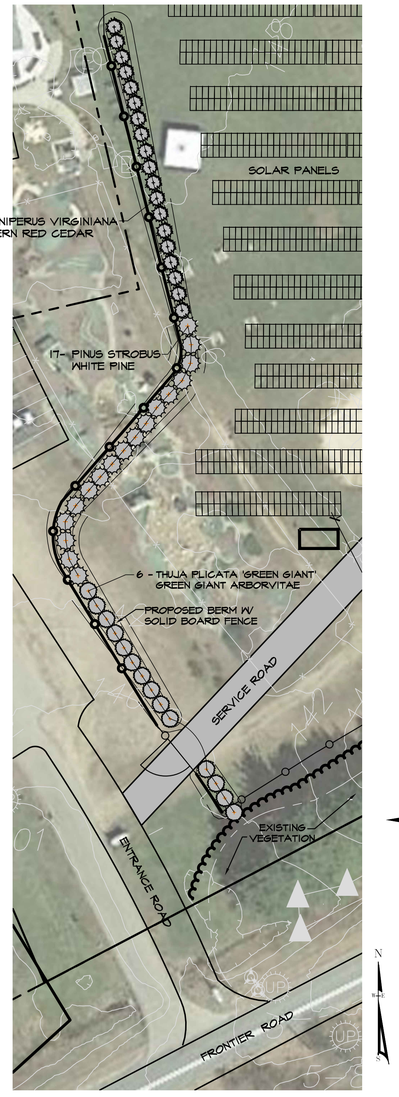
1. WHEN POSSIBLE, THE WHITE PINES AND RED CEDARS THAT EXIST ON THE SITE SHALL BE USED IN THE BUFFER PLANTINGS.
2. PLANTS ARE TO BE INSTALLED AS SPECIFIED IN THE PLANTING DETAILS WITH ADEQUATE WATER PROVIDED DURING PLANTING TO ALLOW COMPACTION OF THE PLANTING SOIL TO PREVENT ANY AIR POCKETS OR SETTLEMENT AFTER PLANTING.
3. RECOMMENDED PLANTING DATES ARE APRIL 15 TO JUNE 15 AND SEPTEMBER 15 TO NOVEMBER 15.
4. PLANT SUBSTITUTIONS SHALL BE ALLOWED BASED ON AVAILABILITY AND SITE CONDITIONS. SUBSTITUTIONS MAY BE MADE ONLY WITH DIRECT APPROVAL FROM THE LANDSCAPE ARCHITECT OR OWNER.

GRASS SEED MIX:

ENERGYSCAPE SOLAR LOW/SLOW GROWING MIX

25% CHEWINS FESCUE
25% SHEEP FESCUE
12.5% HARD FESCUE
12.5% STRONG CREEPING RED FESCUE
12.5% CREEPING RED FESCUE
12.5% HARD FESCUE

- PROVIDE QUALITY SEED DERIVED FROM THE VARIETY INDICATED UNDER 'SEEDING'.
- ALL SEED IS TO BE VIABLE, HEALTHY AND FREE OF INSECTS AND DISEASE.
- SEED SUBSTITUTIONS SHALL BE ALLOWED BASED ON AVAILABILITY ONLY WITH DIRECT APPROVAL FROM THE OWNER.

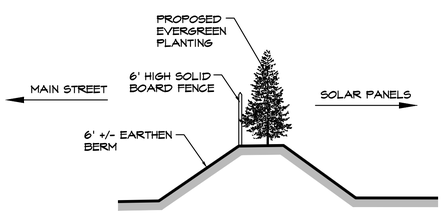


PLANTING AREA - 'A'

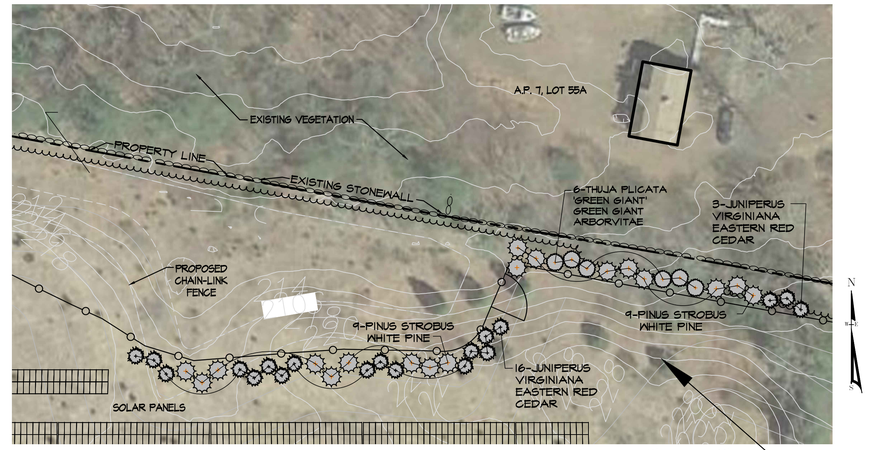
0' 40' 80'
GRAPHIC SCALE
1" = 40'

PLANT LIST AREA 'A'

AMOUNT	BOTANICAL NAME	COMMON NAME	SIZE	SPACING
17	PINUS STROBUS	EASTERN WHITE PINE	6-10' HT.	10' O.C.
14	THUJA PLICATA 'GREEN GIANT'	GREEN GIANT ARBORVITAE	6-10' HT.	10' O.C.
19	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	5-10' HT.	8' O.C.



PLANTING AREA A: PROPOSED BERM, PLANTING & FENCE



PLANTING AREA - 'B'

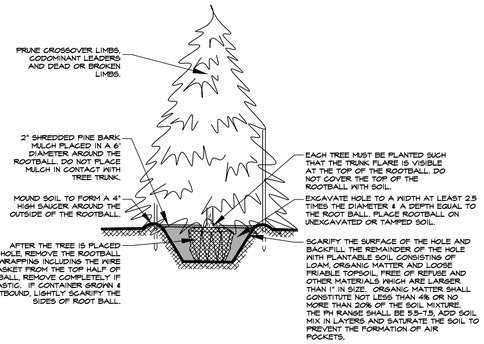
0' 40' 80'
GRAPHIC SCALE
1" = 40'

PLANT LIST AREA 'B'

AMOUNT	BOTANICAL NAME	COMMON NAME	SIZE	SPACING
18	PINUS STROBUS	EASTERN WHITE PINE	6-10' HT.	10' O.C.
6	THUJA PLICATA 'GREEN GIANT'	GREEN GIANT ARBORVITAE	6-10' HT.	10' O.C.
19	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	5-10' HT.	8' O.C.

EXISTING WHITE PINES (6-10' HT.) AND RED CEDARS (5-10' HT.) ARE TO BE RELOCATED AND USED FOR VISUAL SCREENING

THE EXISTING 20' TALL SPRUCE AND ARBORVITAE ARE TO BE RELOCATED AND USED FOR VISUAL SCREENING.



EVERGREEN TREE PLANTING DETAIL
NOT TO SCALE
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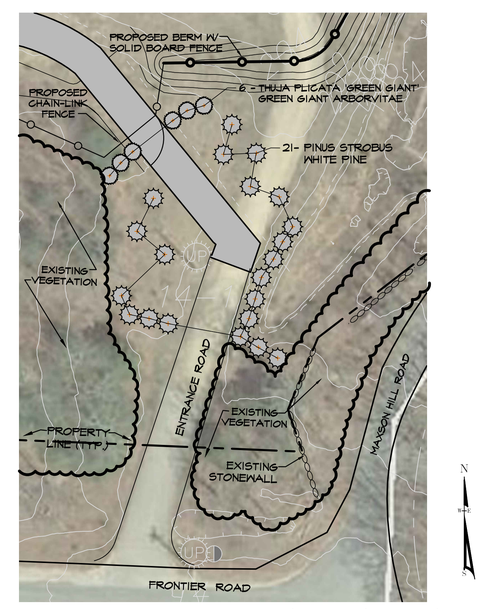

PLANTING AREA - 'C'

0' 40' 80'
GRAPHIC SCALE
1" = 40'

PLANT LIST AREA 'C'

AMOUNT	BOTANICAL NAME	COMMON NAME	SIZE
21	PINUS STROBUS	EASTERN WHITE PINE	6-10' HT.
6	THUJA PLICATA 'GREEN GIANT'	GREEN GIANT ARBORVITAE	6-10' HT.

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REGISTERED LANDSCAPE ARCHITECT
JOHN C. CARTER
NO. 206

REVISIONS

June 22, 2020 Modified planting in northwest corner.

SCALE: AS NOTED
DATE: May 18, 2020

ISSUED FOR PERMITTING

SHEET NUMBER
4 OF 4

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