

TOWN OF NANTUCKET NATURAL RESOURCES DEPARTMENT

JEFF CARLSON, NATURAL RESOURCES DIRECTOR
2 BATHING BEACH ROAD
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MEMO

11/25/2020

To: Mark Willett, Wannacomet Water Company Director
Lauren Sinatra, Energy Coordinator

From: Jeff Carlson, Natural Resources Director

Re: Solar Array Project – Wyer's Valley

Following the on-site meeting and viewing some of the site, I have the following recommendations for the management of vegetation along the perimeter of the site, to support the HDC's goal for visual mitigation of the solar project. Based on guidance from the Natural Heritage and Endangered Species Program, the preferred habitat type for the site is to be a scrub oak shrubland with limited pitch pine and eastern red cedar. A majority of the site is currently in this type of habitat and the following recommendations are based on the existing vegetation assessment. As a general guidance, if there is the ability to transplant existing vegetation material to areas in need or of concern onsite that would be preferred to purchasing and installing new plants.

Methodology:

Prior to the start of the installation

1. Stake and cut proposed fence lines (50' setback from bike paths)
2. Walk the perimeter and cut line to identify unobstructed viewing corridors from the bike paths or traveled ways greater than four feet in width.
3. Once identified these areas shall be replanted with transplanted material or vegetation purchased. Once planted these areas should be left undisturbed allowing for the understory to regrow. The recommend planting scheme is attached. The planting list should be with a combination of the vegetation list below:

Common Name	Scientific Name	Layer
Scrub Oak	<i>Quercus ilicifolia</i>	Shrub
Low Bush Blueberry	<i>Vaccinium angustifolium</i>	Shrub Understory
Pitch Pine	<i>Pinus rigida</i>	Tree
Black Huckleberry	<i>Gaylussacia baccata</i>	Shrub Understory

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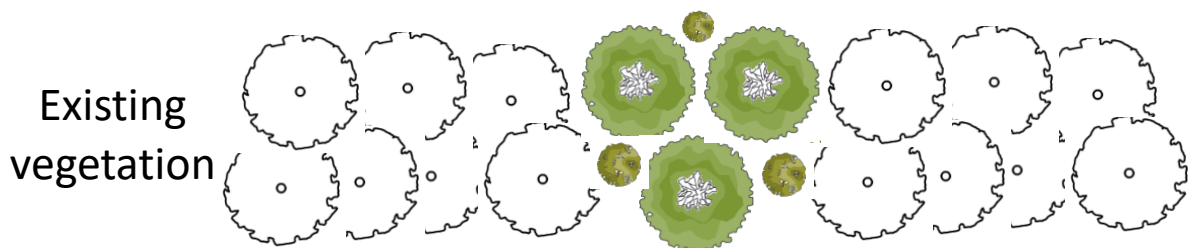


Post-Construction:

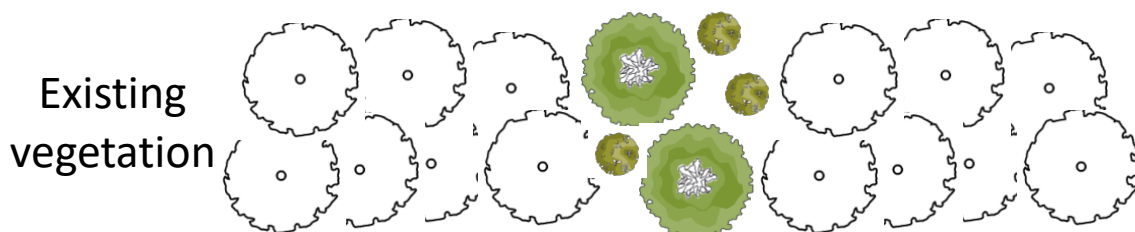
- These areas should be monitored at the start of each growing season, during the summer months and at the end of the growing season. Should these areas have invasive species they should be removed using best management practices. Plantings should be maintained at a 75% survivorship or greater.
- This monitoring should occur on an annual basis until all vegetation clearly established.
- Should the monitoring or survivorship discover an area of 4' or greater lacking vegetation, it shall be planted in accordance with this protocol.

Potential Planting Scheme

Openings of 6' or greater with
plantings 6' on center



Openings of 4'-5' with plantings
6' on center



Scrub Oak
planting



Shrub Understory
Planting