

# Vegetative Maintenance Plan

## 2150 Dryden Road

Prepared for the Town of Dryden  
By Dryden-Tompkins Solar II, LLC  
January 2019

### Introduction

Dryden-Tompkins Solar II, LLC has prepared the following long-term Vegetative Maintenance Plan for the Town of Dryden to provide an overview for how vegetative screening will be planted and maintained at the 2150 Dryden Road community solar projects. The 2150 Dryden Road solar project refer to the 10 megawatts AC of solar projects located at 2150 Dryden Road, west of George Road and east of Johnson Road in the Town of Dryden.

DTS II has worked with local nurseries in Tompkins County to select non-invasive species according to the Tompkins County Regional Invasive Species List (Regional Invasive Species List. F. Robert Wesley, January 2009). The purpose of the vegetative screening is to mitigate views for neighbors, community members, and passing vehicles. This vegetative screening maintenance plan includes the following:

- Site maps showing the vegetative screening as per the project construction plans;
- Best practices for tree care in the early years and subsequent long-term care;
- Specified heights at planting and appropriate heights at which vegetation will be trimmed to mitigate shading of the solar panels; and
- Time limits and specifications for replacing damaged or dying plantings.

While not expected, in the event that glare from the project is experienced within any residence or home business adjacent to these projects, the applicant shall assess the glare onsite and determine whether to install additional vegetative screening of the species and height needed at appropriate line-of-sight locations to intercept the glare, with such screening subject to approval of the Town Director of Planning.

## Vegetative Screening Map – 2150 Dryden Road

At 2150 Dryden Road, DTS II will be planting approximately 2,200 linear feet of vegetative screening in four primary locations:

1. Along the eastern property boundary to 2180 Dryden Road;
2. Along the southern property boundary, to the east, north of Dryden Road;
3. Along the southern fence of Array #4; and
4. Along the southern property boundary, to the west, north of the property boundary with the Willow Glen Cemetery.

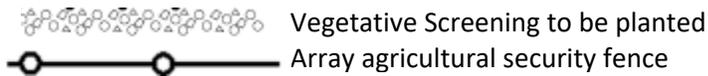


Figure 1: Vegetative Screening Map – 2150 Dryden Road, excerpted from L-101 of the Building Permit Set dated January 28, 2019 from Labella Associates, D.P.C.

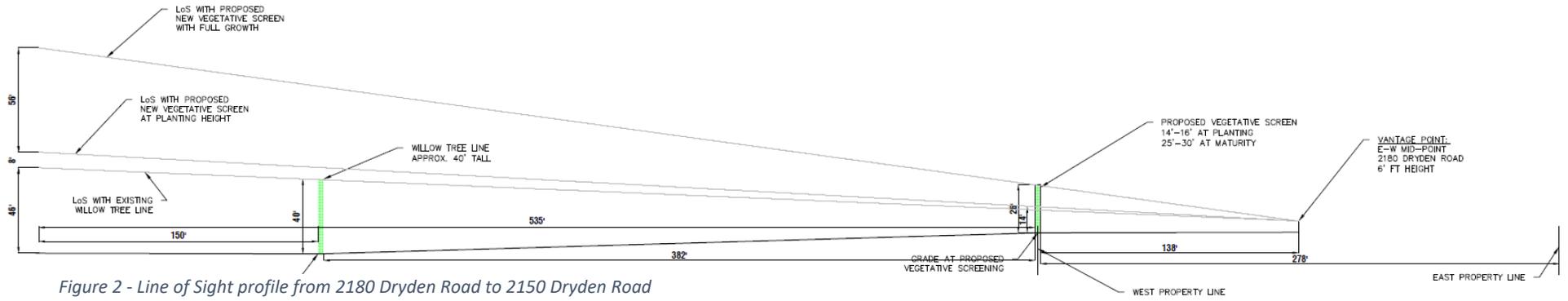


Figure 2 - Line of Sight profile from 2180 Dryden Road to 2150 Dryden Road

## Plant Selection

The following non-invasive species are to be planted as vegetative screening (Photo credit <http://www.missouribotanicalgarden.org>):



Vanderwolf's Pyramid Pine



Burkii Juniper



Red Maple



Red twig dogwood



Bayberry



Snowberry

Table 1 - Vegetative Screening Plant Selection

Botanical Name	Common Name	Size	Notes
<i>Juniperus Virginiana</i> 'Burkii'	Burkii Juniper	3'-6' H; 14'-16' H	Un-sheared
<i>Pinus Flexilis</i> 'Vanderworlf's Pyramid'	Vanderwolf's Pyramid Pine	3'-6' H	Un-sheared
<i>Acer Rubrum</i>	Red Maple	14'-16' H	Multistem or Clump
<i>Comus alba sericea</i> 'Baileyi'	Red twig dogwood	6'-8' H	
<i>Morella (Myrica) pensylvanica</i>	Bayberry	4'-8' H	
<i>Symphoricarpos albus</i>	Snowberry	4'-8' H	

The 14 to 16 ft Burkii Juniper and Red Maple trees will be planted adjacent to the property boundaries with 2180 Dryden Road (see Figure 2). DTS II has planned Pyramid Pine, Burkii Juniper, red maple, red twig dogwood, bayberry, and snowberry to be planted south of the fence line at Array #4, tailored to the topography to minimize impact on vista views. Vegetative

screening to the south of Array #5 has been designed as a mix of Burkii Juniper and Vanderwolf Pyramid Pine trees with initial planting heights of 3 to 6 ft. Other non-invasive species of similar species, height, and aesthetics may be planted due to local availability.

All trees will be balled and burlapped, which allows the trees to be replanted with the original soil still clinging to the plant's roots and reduce the amount of plant shock during transplanting. Further, based on conversations with local nurseries, all of these species can be safely pruned and trimmed without the risk of damaging the trees.

## Planting Detail

The vegetative screening will be planted as two rows in a staggered fashion, which will allow the trees to root and grow with adequate space, and will provide effective screening from multiple vantagepoints.

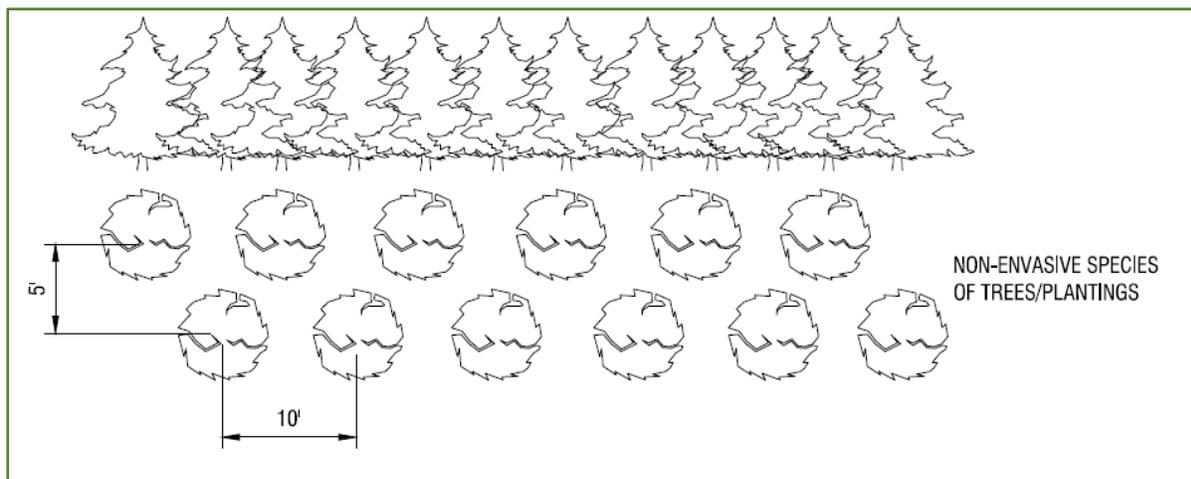


Figure 5: Vegetative Barrier Detail – Staggered Layout of Trees

## Planting Stages

### Initial Planting:

- The trees and bushes will be planted either early to middle of spring or early to middle of fall because these seasonal timeframes provide moderate temperatures and natural rain.
- For the first two weeks, the plants will be watered every day, either by the Applicant or by nature.
- The initial plantings will be mulched to hold moisture around the base, neutralize the temperature, and contribute organic matter through composting.
- For the remainder of the first month, the plants can be watered one to two times per week.

### First Year:

- Plants will be visually inspected monthly and any health problems will be addressed. After two years, the plants are expected to be very well established and it is not expected that they will need to be watered. Trees will be pruned and trimmed annually as needed to maintain height.

**Long-Term Maintenance:**

- Semi-annual visual inspections of the trees. Trees will be pruned and trimmed annually to maintain a height of maximum 26 ft, which will provide adequate screening and prevent shading on the solar panels. Additional pruning will be performed as needed to maintain height. Pruning and trimming will be planned for early to middle of summer following the spring tree growth.
- If any dead plants are discovered, replacement plantings will be of similar species and size as the original plantings. Dead plants will be replaced at the most desirable time of year for that species.
- Natural vegetative screening as shown on the site plan will be maintained similarly and replaced in the case of failure, if failure is a result of trimming and results in adverse visual impacts.

This Vegetative Maintenance Plan for 2150 Dryden Road solar projects was prepared by Dryden-Tompkins Solar II, LLC for the Town of Dryden.

Sincerely,

A handwritten signature in black ink, appearing to read "Jeff Weiss". The signature is fluid and cursive, with the first name "Jeff" and last name "Weiss" clearly distinguishable.

Jeff Weiss

Manager of SUN8 PDC LLC  
for Dryden-Tompkins Solar II, LLC