

# *Planting Site Designs*





## **Slope Revegetation**



### **Description of Location**

The slopes with little to no woody vegetation are located in several locations along the highway. The bulk of these sites are located near the Little Laurel Overlook

### **Design Challenge**

These denuded slopes are remnants of the construction of the Highland Scenic Highway. When the slopes were cut and regraded, they were recolonized by grasses and herbaceous vegetation, but woody species have not taken root. These construction remnants are glaringly different than the naturally forested areas along the majority of the highway, and can be seen from nearby towns year round.



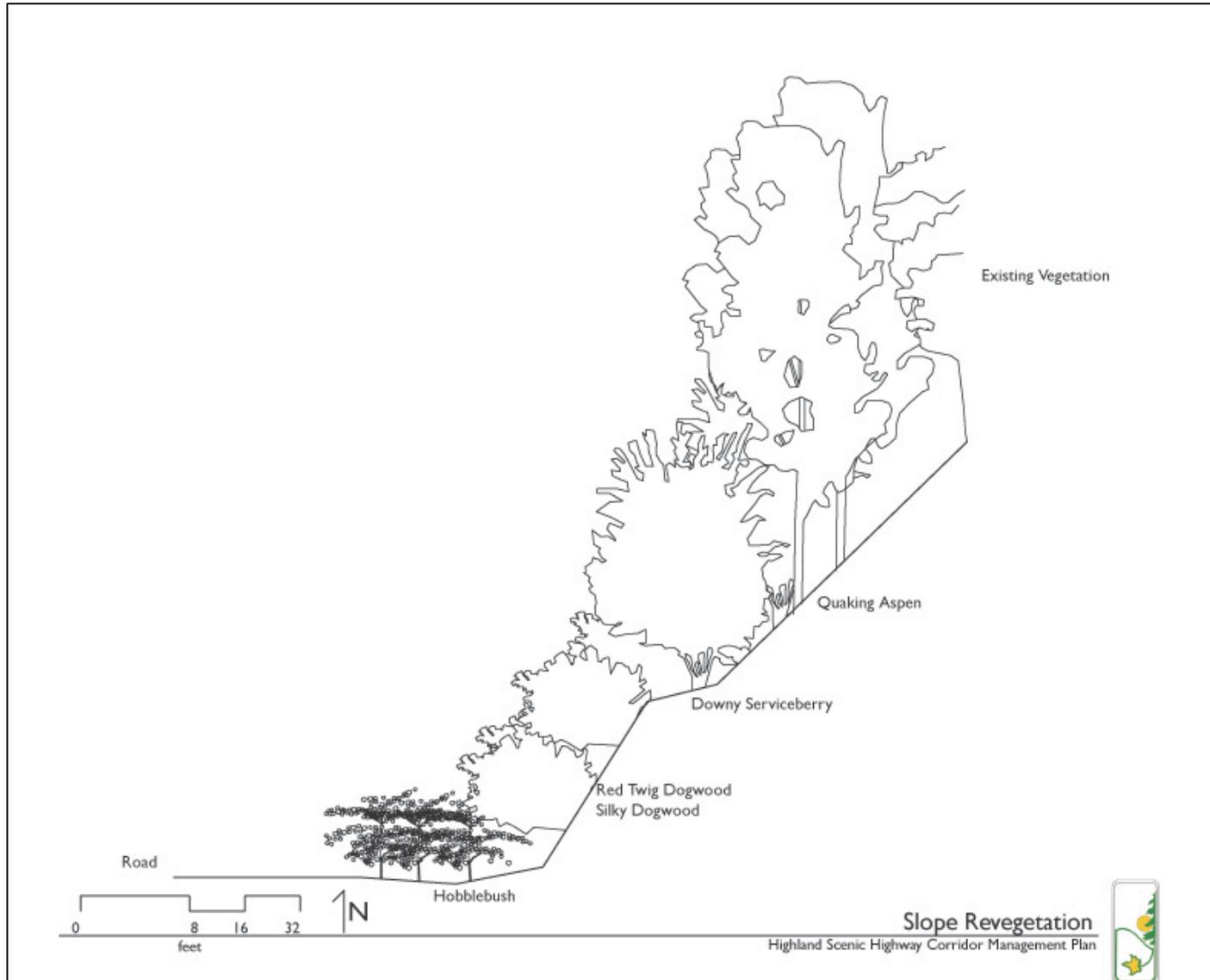
A view of the current site in June 2011



A view of the site in June after installation of the design

### **Design Solution**

Revegetating these slopes will greatly contribute to the aesthetics of the highway, but the cost of planting such a vast area could be an impediment to completion. For this reason, the majority of the species selected for slope revegetation will spread on their own via rhizomes and tip rooting, greatly decreasing the numbers that need to initially be planted. Furthermore, many of these species can be planted as single stems treated with rooting powder, further decreasing the number that need to be purchased. Finally, the root systems of these species will also help to further stabilize and protect slope soils. Service berry is included among the species mix to add continuity between the revegetated slopes and other plantings along the highway.



**Slope Revegetation: Plant List**



Type	ID	Common Name	Botanical Name	Flowering Season	Flowering Color	Average spread	Average height
Shrub	CA	Silky Dogwood*	<i>Cornus amomum</i>	Mid-May	White/Green	6'	6'
Shrub	CS	Red Stem Dogwood*	<i>Cornus stolonifera</i>	May/June	White	6'	6'
Shrub	VA	Hobblebush*	<i>Viburnum alnifolium</i>	May/June/July	White	3'	3-6'
Tree	PT	Quaking Aspen*	<i>Populus tremuloides</i>	May	Green	20-30-	50-75'
Tree	AA	Serviceberry	<i>Amelanchier arborea</i>	March/April	White	15'-20'	20'-25'

\* These species will spread by rhizomes and root sprouting and can therefore be planted at a lower density than is ultimately desired.

*Populus tremuloides* should be B&B.

For *Cornus stolonifera* , *Viburnum Alnifolium* , and *Cornus amomum* , individual stems can be planted after developing roots

In conjunction with the planting of tree and shrub species, the area should be seeded with Canada Wild Rye and Bottle Brush Grass.