

NH Riparian Forest Buffer 391 Zone 1&2 – Job Sheet

Landowner _____ Field Number _____

Size and Number of Trees and Shrubs to Plant

All trees and shrubs are 1 gallon container stock. Trees are 3-5 feet in height and shrubs are 24-36 inches in height. At least 300 Trees and Shrubs per acre will be planted on a 12' x 12' on center spacing. Adjust spacing as needed to put plants in favorable growing areas. Typically container plants are \$7-\$10 each, and installation is about \$10 per plant which includes loam-compost mix and wood chips.

For severely eroding river banks, which may be losing up to 10 feet of cropland per year or more, leave 20 feet between water's edge and container plantings, to allow for establishment.

Temporary Storage Instructions

Containerized plant stock should be watered and kept in the shade, and planted as soon as possible after delivery. Don't soak containers prior to planting; it causes the root-ball to fall apart when removed from the container and causes damage to the fine roots.

Site Preparation

Brush Management "brush Hog" to mow the site to prepare for planting.

Herbaceous weed management 315 (average and follow up) to control grasses to reduce competition on container stock. Permits maybe required for proximity to rivers and public drinking supplies- these may take 2 months or more to acquire after submittal. Wait 10 days or (manufacturers recommendations) after herbicide application to plant container stock

Mulching- Mulch trees with wood chips, to reduce weed pressure and avoid placing mulch directly against the stem of the plant. Use deer protection tubes when needed.

Planting Methods and Timing

Dig holes 50% larger than 1 gallon container stock and backfill with loam-compost mix. Don't plant container stock into standing water, wait until ground water is at least 12 inches below the surface. Plant early in the spring after the ground is thawed until late-may, or in the fall (Mid-September-Mid-October). Fall can be the best time as it allows plants fall and spring to get roots established before hot weather.

Operation and Maintenance

The buffer must be inspected periodically and protected from damage so proper function is maintained. Replace dead or dying tree/shrub stock and continue control of competing vegetation to allow proper establishment. Typically contractors will provide a guarantee for free replacements over 50% mortality after 1 year, get this in writing.

Riparian Buffer (391) Job sheet

		Total Acres Planned	Buffer Width			
Scientific Name	Containers Needed (acres x 300)	Quantity	Silver Maple Flooded	Seasonal Standing Water	Sandy Soils Xeric	Moderately Drained Rich Sites
	Common Name					
Trees			x = suitable for habitat			
<i>Acer saccharinum</i>	silver maple		x			x
<i>Acer saccharum</i>	sugar maple					x
<i>Acer rubrum</i>	red maple			x		x
<i>Quercus alba</i>	white oak		x			x
<i>Quercus rubra</i>	northern red oak				x	x
<i>Pinus strobus</i>	white pine				x	x
<i>Pinus resinosa</i>	red pine				x	
<i>Pinus rigida</i>	pitch pine				x	
<i>Celtis occidentalis</i>	hackberry					x
<i>Tilia Americana</i>	basswood					x
<i>Salix nigra</i>	Black willow		x			
<i>Platanus occidentalis</i>	Sycamore		x			
<i>Ulmus americana</i>	American Elm		x			
<i>Populus deltoides</i>	Eastern Cottonwood		x			
<i>Populus tremuloides</i>	Quaking aspen		x		x	x
Shrubs	Total Trees					
<i>Viburnum trilobum</i>	high bush cranberry		x	x		x
<i>Amelanchier sp.</i>	serviceberry		x			x
<i>Alnus rugosa</i>	alder			x		x
<i>Corylus americana</i>	hazelnut		x		x	x
<i>Rhus typhina</i>	staghorn sumac				x	
<i>Sambucus canadensis</i>	common elderberry		x	x		
<i>Viburnum dentatum</i>	arrowwood viburnum			x		
<i>Aronia melanocarpa</i>	black chokeberry		x			x
<i>Cornus racemosa</i>	grey dogwood		x	x		x
<i>Cornus sericea</i>	red osier dogwood		x	x		x
<i>Hamamelis virginiana</i>	witch hazel		x			x
<i>Ilex verticillata</i>	winterberry holly		x	x		x
<i>Salix sp.</i>	willow		x	x		x
<i>Vaccinium corymbosum</i>	high bush blueberry		x	x	x	x
<i>Viburnum Casinoidies</i>	northern wild raisin		x	x		x
<i>Viburnum lentago</i>	nannyberry		x			x
<i>Acer negundo</i>	Box elder		x	x		x
	Total Shrubs					