

Anderson Park Stream Buffer Restoration

Trees

Trees will be planted approximately 50ft on center. Similar Species/sizes may be substituted based on availability and condition of stock at local nurseries. Diversity of species will be maintained for substitutions. Planting, pruning, and staking will be done as per current ISA ANSI standards.

Map Color	Common Name	Scientific Name	DBH	Qty	Status
Red	Sugar Maple	Acer saccharum	Various	7	Existing
Yellow	American Elm	Ulmus americana	2.5"	1	Existing
Orange	Tulip Poplar	Liriodendron tulipifera	2.5"	3	To be planted
Purple	Redbud	Cercis canadensis	2.5"	3	To be planted
Pink	Dogwood	Cornus florida	2.5"	3	To be planted
White	Bald cypress	Taxodium distichum	2.5"	3	To be planted
Green	River Birch	Betula nigra	2.5"	2	To be planted
Blue	Water Tupelo	Nyssa aquatica	2.5"	3	To be planted
Brown	Fringetree	Chionanthus virginicus	2.5"	3	To be planted



Information sign & photography station

Live Staking

Live staking will install along the length of the stream. The length of stream is approximately 420 ft. Live stakes are about 3/8" to 1-1/2" diameter and 2 to 3 feet long. The staking will be placed 3ft on center in offset rows on each side of the stream. Stakes will be driven through erosion control fabric to grow roots which will help hold soil in place. We will plant 500 to 600 live stakes. We will choose a mix of species, no less than 3, based on availability at time of planting. A list of possible species is below.

Species	Common Name
Cephalanthus occidentalis	Button bush
Callicarpa americana	American beautyberry
Cornus amomum	Silky dogwood
Physocarpus opulifolius	Ninebark
Salix caroliniana	Carolina willow
Salix nigra	Black willow
Salix sericea	Silky willow
Sambucus canadensis	Elderberry
Symphoricarpos orbiculatus	Coralberry

Seeding

Any seeding required for stabilization will be a native seed mix designated for Riparian Buffer use. It will be applied at a rate of 20-25 lbs per acre. The species mix is outlined below and includes butterfly, bird, and pollinator friendly species.

Species	Common Name	Percent
Agrostis perennans	Autumn bentgrass	15
Andropogon gerardii	Big bluestem	10
Coreopsis lanceolata	Lanceleaf coreopsis	10
Elymus virginicus	Virginia wildrye	20
Juncus effusus	Soft rush	5
Panicum virgatum	Switchgrass	15
Rudbeckia hirta	Blackeyed susan	10
Schizachyrium scoparium	Little bluestem	5
Sorghastrum nutans	Indian grass	5
Tripsacum dactyloides	Eastern gamagrass	5
TOTAL		100