

Agenda Item: Motion 2019-1, Text Amendment to Table of Approved Tree List and Shrub List § 155.606.14.

DATE: March 19, 2019
FROM: Mary Jo Gollnitz, Senior Planner

Background/Issue:

At the Public Hearing on March 11th, the Council requested research in the removal of Sweet Gum and Black Gum trees from the approved list. The Appearance/Tree Advisory Committee met on March 18, 2019 to review the requested change.

They recommend that Sweet Gum be replaced with Rotundiloba Sweet Gum which is a “fruitless” tree. The Committee also noted that Black Gum should remain on the approved list because they do not bear fruit (see attached).

Proposal/Solution:

The draft language provided is intended to update the Approved Tree List and Shrub List of Matthews UDO.

Recommendation:

Staff recommends approval of the text amendment as revised. Review Motion 2019-1, Text Amendment to the UDO Table of Approved Tree List and Shrub List § 155.606.14, discuss the revised list and forward a recommendation to Town Council.

TOWN OF MATTHEWS UNIFIED DEVELOPMENT ORDINANCE

1. Large Maturing Deciduous Trees

Recommended for use specifically in the Special Highway Overlay District				
Recommended for all other landscaping applications				
		Common Name	Botanical Name	Mature Height (feet)
◆	◆	Ash, Green*	<i>Fraxinus pennsylvanica</i>	50-60
◆	◆	Ash, White	<i>Fraxinus Americana</i>	50-80
	◆	Baldcypress	<i>Taxodium distichum</i>	50-70
	◆	Basswood	<i>Tilia americana</i>	60-75
◆	◆	Beech, American	<i>Fagus grandifolia</i>	40-60
◆	◆	Birch, Black	<i>Betula lenta</i>	50-60
◆	◆	Birch, River	<i>Betula nigra</i>	40-60
◆	◆	Black Gum*	<i>Nyssa sylvatica</i>	30-50
◆		Sweet Gum Rotundiloba	Nyssa Liquidambar <i>sylvatica</i>	20-50
◆		Black Walnut	<i>Juglans nigra</i>	20-50
	◆	Cherry, Japanese	<i>Prunus subhirtella</i>	20-50
	◆	Chinese Elm & B Hybrids	<i>Ulmus parvifolia</i>	30-60
	◆	Chinese Pistache	<i>Pistachia chinensis</i>	25-35
	◆	Hackberry, Weeping	<i>Celtis occidentalis</i>	40-60
	◆	Hackberry, Common	<i>Celtis laevigata</i>	60-70
	◆	Hickory	<i>Carya spp.</i>	50-80
◆	◆	Hornbeam, American hop	<i>Ostrya virginiana</i>	25-40
	◆	Sugar Ginkgo	<i>Ginkgo biloba</i>	50-80
	◆	Katsura Tree	<i>Cercidiphyllum japonicum</i>	40-60
◆	◆	Maple, Red*	<i>Acer rubrum</i>	40-60
◆	◆	Maple, Sugar*	<i>Acer saccharum</i>	60-75
◆	◆	Oak, Black	<i>Quercus velutina</i>	60-80
◆	◆	Oak, Chestnut	<i>Quercus prinus</i>	60-70
◆	◆	Oak, Laurel	<i>Quercus hemisphaerica (laurifolia)</i>	40-60
◆	◆	Oak, Northern Red	<i>Quercus rubra</i>	50-60
◆	◆	Oak, Pin	<i>Quercus palustris</i>	60-70
◆	◆	Oak, Post	<i>Quercus stellate</i>	30-50
◆	◆	Oak, Sawtooth	<i>Quercus Acutissima</i>	40-60
◆	◆	Oak, Scarlet	<i>Quercus coccinea</i>	65-100
◆	◆	Oak, Shumard	<i>Quercus shumardii</i>	40-60
◆	◆	Oak, Southern Red	<i>Quercus falcate</i>	70-80
◆	◆	Oak, Swamp Chestnut	<i>Quercus michauxii</i>	60-100
◆	◆	Oak, Water	<i>Quercus nigra</i>	50-80
◆	◆	Oak, White	<i>Quercus alba</i>	50-80

TOWN OF MATTHEWS UNIFIED DEVELOPMENT ORDINANCE

◆	◆	Oak, Willow	<i>Quercus phellos</i>	70-90
	◆	Pagoda Tree, Japanese*	<i>Sophora japonica</i>	50-60
◆		Pecan	<i>Carya illinoensis</i>	40-60
◆		Persimmon	<i>Diospyrus virginiana</i>	40-60
◆		Sour Wood	<i>Oxydendron arboreum</i>	40-60
◆		Southern Catalpa	<i>Catalpa bignoniodes</i>	75-100
◆	◆	Sycamore	<i>Platanus occidentalis</i>	75-100
◆	◆	Tulip Poplar	<i>Liriodendron Tulipifera</i>	70-90
	◆	White Willow	<i>Salix alba</i>	75-90
	◆	Yellow Wood	<i>Cladrastis kentuckea</i>	30-50
	◆	Zelkova, Japanese*	<i>Zelkova serrata</i>	50-80

* Many varieties available

2. Small Maturing Deciduous Trees

Recommended for use specifically in the Special Highway Overlay District

Recommended for all other landscaping applications

		Common Name	Botanical Name	Mature Height (feet)
◆	◆	Alder, Tag	<i>Ainus serrulata</i>	20-30
	◆	Althea*	<i>Hibiscus syriacus</i>	8-12
	◆	American Hazelnut	<i>Corylus Americana</i>	10-15
◆		Birch, River	<i>Betula nigra</i>	20-30
	◆	Buckeye, Red	<i>Aesculus pavia</i>	10-20
	◆	Chanticleer Pear**	<i>Pyrus calleryana</i>	20-30
	◆	Chaste Tree	<i>Vitex negundo</i>	15-20
◆	◆	Cherry, Japanese*	<i>Prunus serrulata</i>	15-25
◆	◆	Cherry, Yoshino	<i>Prunus X yedoensis</i>	20-25
◆	◆	Cherry, Laurel	<i>Prunus Caroliniana</i>	15-25
	◆	Crabapple, Flowering*	<i>Malus sp.</i>	7-25
	◆	Crepe Myrtle*	<i>Lagerstroemia sp.</i>	15-25
	◆	Devil's Walking Stick	<i>Aralla spinosa</i>	10-20
◆	◆	Dogwood, Flowering*	<i>Cornus florida</i>	15-30
	◆	Dogwood, Kousa	<i>Cornus kousa</i>	10-15
◆		Dogwood, Redosier	<i>Cornus stolonifera</i>	15-30
	◆	Eastern Serviceberry	<i>Amelanchier canadensis</i>	5-20
◆		Elm, Winged	<i>Ulmus alata</i>	20-30
	◆	Goldenrain Tree*	<i>Koelreuteria paniculata</i>	20-30
◆	◆	Hawthorn*	<i>Crategus</i>	15-30
◆		Holly, American	<i>Hexllex opaca</i>	20-30

TOWN OF MATTHEWS UNIFIED DEVELOPMENT ORDINANCE

◆	Holly, Possumhaw	<i>Ilex decidua</i>	20-30
◆	Ironwood	<i>Carpinus caroliniana</i>	20-30
◆	Hornbeam	<i>Carpinus betulus</i>	20-30
◆	Magnolia, Saucer	<i>Magnolia soulangiana</i>	20-30
◆	Magnolia, Sweetbay*	<i>M. Virginia</i>	10-20
◆	Magnolia, Star*	<i>M. Stellata</i>	15-20
◆	Maple, Amur	<i>Acer ginnala</i>	15-20
◆	Maple, Chalk	<i>Acer leucoderme</i>	25-30
◆	Maple, Hedge	<i>Acer Campestre</i>	15-25
◆	Maple, Japanese*	<i>Acer Palmatum</i>	15-25
◆	Myrtle, Wax	<i>Myrica cerifera</i>	10-15
◆	Paw Paw	<i>Asimina triloba</i>	20-30
◆	◆ Redbud, Eastern*	<i>Cercis Canadensis</i>	20-30
◆	Sassafras	<i>Sassafras albidum</i>	20-30
◆	◆ Serviceberry	<i>Amelanchier sp.</i>	10-20
◆	◆ Silverbell, Carolina	<i>Halesia carolina</i>	20-30
◆	◆ Snowbell*	<i>Americanus</i>	8-15
◆	◆ Sparkleberry	<i>Vaccinium arboretum</i>	5-20
◆	◆ White Fringetree	<i>Chionanthus virginicus</i>	12-20

* Many varieties available

~~**Recommended as substitute for Bradford or Aristocrat Pears. Many native plant materials are not mentioned in this list. On certain sites, they offer a great deal of benefit and suitability to the landscape. In this regard, the Town will entertain specific recommendations.~~

3. Evergreen Trees

Recommended for use specifically in the Special Highway Overlay District			
Recommended for all other landscaping applications			
	Common Name	Botanical Name	Mature Height (feet)
◆	◆ Eastern Red Cedar	<i>Tsuga caroliniana</i>	20-30
◆	◆ Hemlock, Carolina	<i>Juniperus virginiana</i>	20-30
◆	◆ Holly, American*	<i>Ilex opaca*</i>	20-40
◆	◆ Holly, Chinese (Tree Form)	<i>Ilex cornuta*</i>	8-15
◆	◆ Holly, Foster	<i>Ilex x attenuate</i>	20-30
◆	◆ Holly, Hume	<i>Ilex x attenuate</i>	25-35
◆	◆ Holly, Nellie R Stevens	<i>Ilex x Nellie R Stevens</i>	15-25
◆	◆ Holly, Yaupon*	<i>Ilex vomitoria</i>	15-20
◆	◆ Holly, Savannah*	<i>Ilex x attenuate</i>	25-30
◆	◆ Magnolia, Southern*	<i>Magnolia grandiflora</i>	60-80

TOWN OF MATTHEWS UNIFIED DEVELOPMENT ORDINANCE

◆	◆	Pine, Loblolly	<i>Pinus taeda</i>	60-90
◆	◆	Pine, Shortleaf	<i>Pinus echinata</i>	80-100
◆		Pine, Virginia	<i>Pinus virginiana</i>	40-60
	◆	Spruce, Norway	<i>Picea abies</i>	40-60
	◆	Ti-ti or Leatherwood	<i>Cyrilla racemiflora</i>	8-25

* Many varieties available

4. Low Maintenance Shrubs

Recommended for use specifically in the Special Highway Overlay District

Recommended for all other landscaping applications

		Common Name	Botanical Name	Mature Height (feet)
◆	◆	Abelias++	<i>Abelia grandiflora</i>	6
	◆	Azalea, Pinxter	<i>Rhododendron periclymenoides</i>	7
	◆	Azalea, Swamp	<i>Rhododendron viscosum</i>	15
	◆	Azalea, Sweet	<i>Rhododendron arborescens</i>	20
	◆	Beautyberry, American	<i>Callicarpa americana</i>	8
	◆	Blueberry, Highbush	<i>Vaccinium corymbosum</i>	10
◆	◆	Blackberry (various)++	<i>Rubus spp.</i>	6
	◆	Camelia Sasanquas++	<i>Camelia sasaqua</i>	6
◆	◆	Carolina Rose+++	<i>Rosa carolina</i>	6
	◆	Chokeberry, Red	<i>Aronia arbutifolia</i>	10
	◆	Common Buttonbush	<i>Cephalanthus occidentalis</i>	8
	◆	Hearts-a-bustin	<i>Euonymus americanus</i>	12
◆	◆	Elaeagnus (various)++	<i>Elaeagnus spp.</i>	8
	◆	Buford Holly++Holly, Buford++	<i>Ilex cornuta</i>	8
	◆	Holly, Inkberry++	<i>Ilex glabra</i>	12
	◆	Holly, Winterberry	<i>Ilex verticillata</i>	15
	◆	Ligustrum++	<i>Ligustrum japonicum</i>	6
	◆	Loropetalum++	<i>Loropetalum chinensis</i>	6
	◆	Otto Luykun Laurel++	<i>Prunus laurocerasus</i>	5
◆	◆	Privet++	<i>Ligustrum spp.</i>	8
	◆	Spicebush	<i>Lindera benzoin</i>	16
	◆	Sweet-pepperbush	<i>Clethra alnifolia</i>	9
	◆	Sweetspire, Virginia+++	<i>Itea virginica</i>	6
	◆	Upright Juniper++	<i>Juniperus chinensis</i>	6
◆	◆	Viburnum (various)++	<i>Viburnum spp.</i>	8
	◆	Viburnum, Arrowwood	<i>Viburnum dentatum</i>	8
	◆	Viburnum, Blackhaw	<i>Viburnum prunifolium</i>	15

TOWN OF MATTHEWS UNIFIED DEVELOPMENT ORDINANCE

◆	Viburnum, Mapleleaf	<i>Viburnum acerifolium</i>	6
◆	Wax Myrtle++	<i>Morella (Myrica) cerifera</i>	12

++ Evergreen

+++ Semi-Evergreen

5. Groundcover & Vines

Recommended for use specifically in the Special Highway Overlay District

Recommended for all other landscaping applications

	Common Name	Botanical Name	Winter Leaves
◆	Coral Honeysuckle	<i>Lonicera sempervirens</i>	Evergreen/deciduous
◆	Virginia Creeper	<i>Parthenocissus quinquefolia</i>	Deciduous
◆	Grape (various)	<i>Vitix spp.</i>	Deciduous
◆	Green Brier (various)	<i>Smilax spp.</i>	Deciduous
◆	Clematis (various)	<i>Clematis spp.</i>	Deciduous
◆	Winter Jasmine	<i>Jasminum nudiflorum</i>	Deciduous
◆	Crossvine	<i>Bignonia capreolata</i>	Evergreen/Deciduous
◆	Carolina Jessamine	<i>Gelsemium sempervirens</i>	Evergreen
◆	Passionflower	<i>Passiflora incarnate</i>	Deciduous

(These varieties to be retained in required screens.)

(Ord. 1598, passed 10-8-07; Am

Re: Text amendment

1 message

Debbie Foster <fostdebbie@gmail.com>

Tue, Mar 19, 2019 at 9:20 AM

To: Ralph Ramsaur <r Ramsaur@matthewsnc.gov>, Mary Jo Gollnitz <mjgollnitz@matthewsnc.gov>

Cc: Jill Palmer <jpalmer53@earthlink.net>

Morning! Discussion last night led us to leaving the black gum on the list, and to replacing the regular sweet gum with the cultivar that doesn't produce the sweet gum balls but still provides the fall color (Rotundiloba).

Pamela Tobin made a motion to remove the sweet gum currently on the list and replace it with the cultivar Rotundiloba, adding a note that this variety doesn't produce the sweet gum balls. Karen Dixon seconded the motion and it passed unanimously.

We saw no reason to remove or replace Black Gum, as it doesn't have the same properties as Sweet Gum.

Let me know if you have any questions

Thanks!

Debbie

Debbie Foster

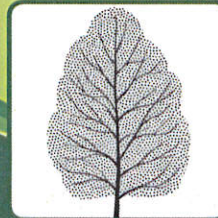
CPBT-KA (IAATE), CPBC (IAABC)

Parrot Ps and Qs - <https://www.facebook.com/Parrot-Ps-and-Qs-415065378648379/>



Liquidambar styraciflua 'Rotundiloba'

Rotundiloba Sweetgum



Height: 45' | **Spread:** 25'

Zone: 5

Shape: Pyramidal

Foliage: Bright green, rounded lobes

Fall Color: Orange to purple

Fruit: Fruitless

This is the only Sweetgum known to be entirely fruitless. The foliage is completely unique among sweetgum cultivars, with smooth, rounded lobes.

