RESOLUTION 2015-83

**EXHIBIT A** 

# PAGE 1 of 24

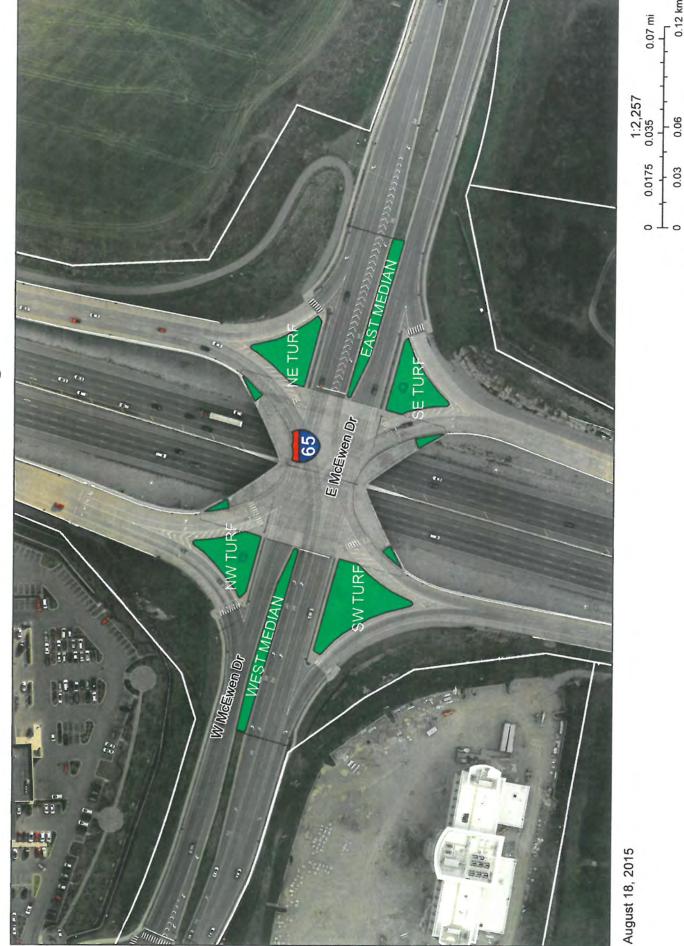
City of Franklin McEwen Interchange Landscape Enhancement

2015

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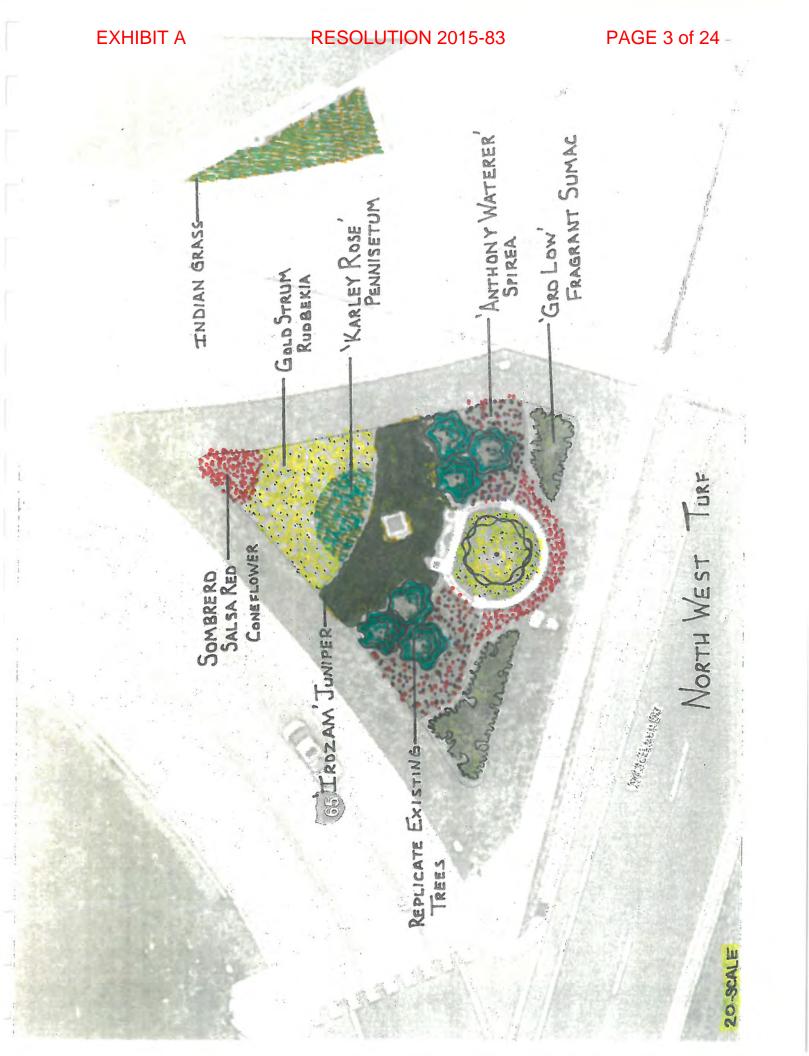
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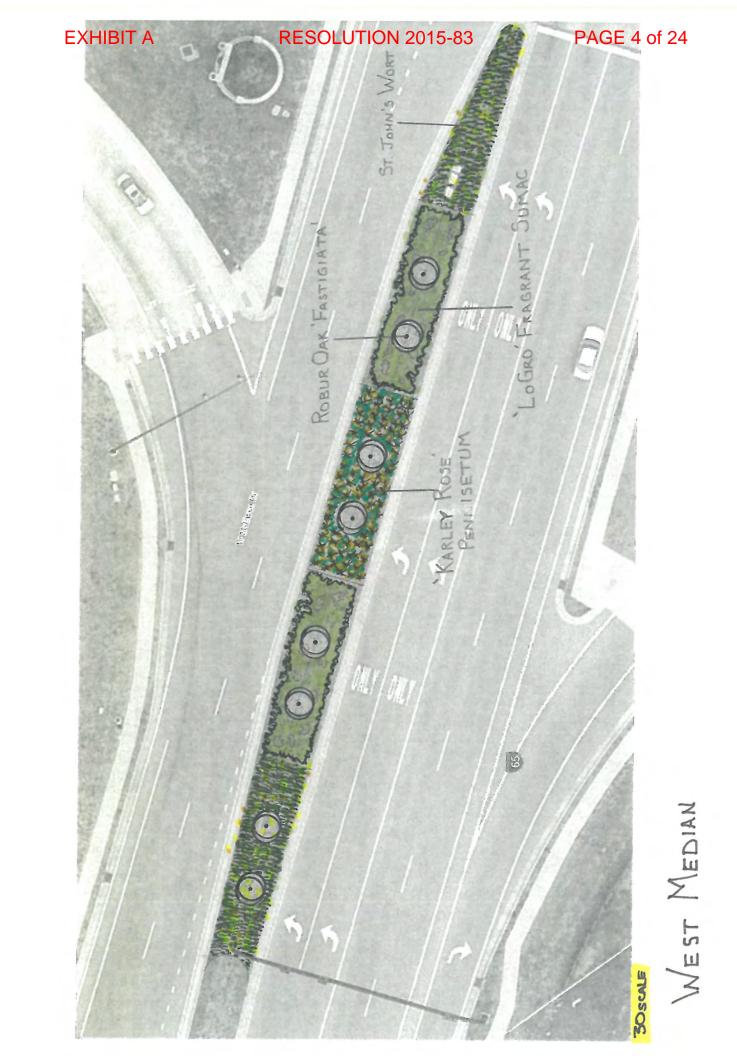
### PAGE 2 of 24

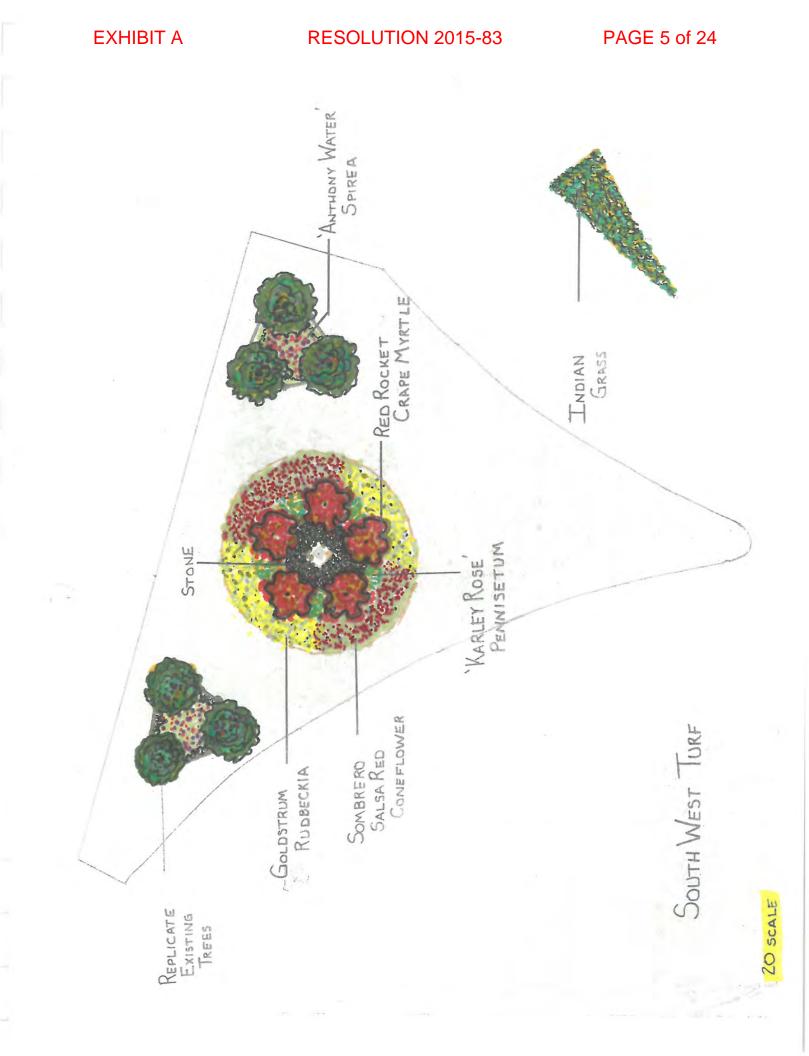


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McEwen Interchange

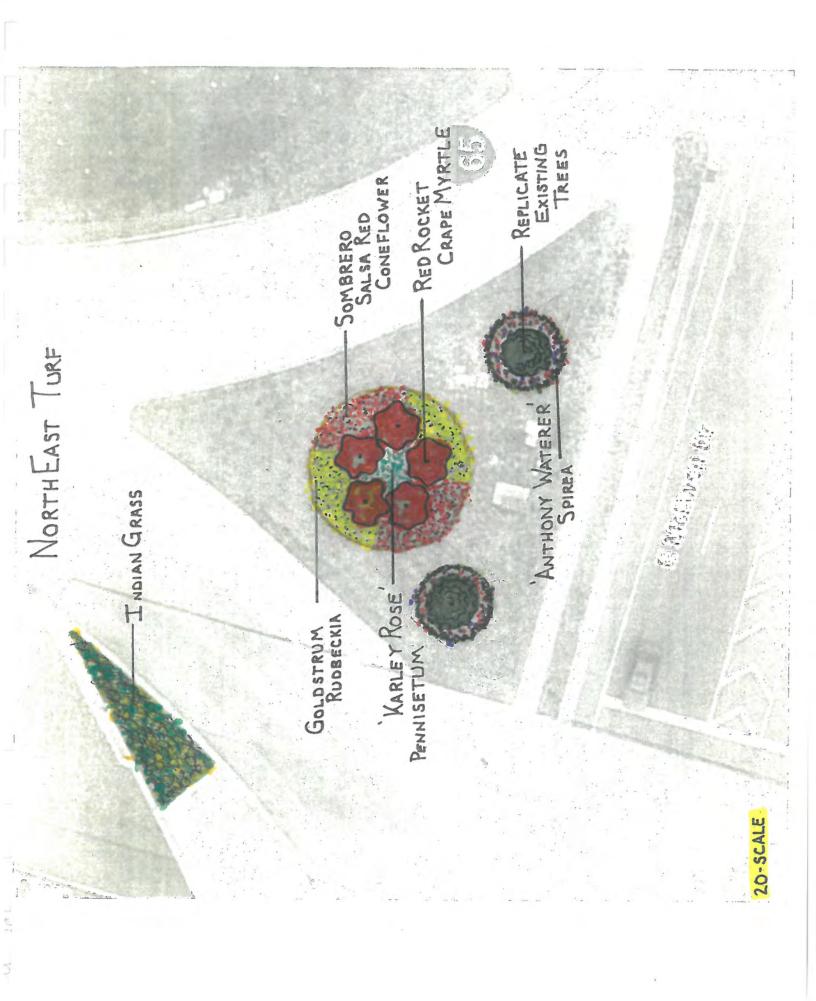


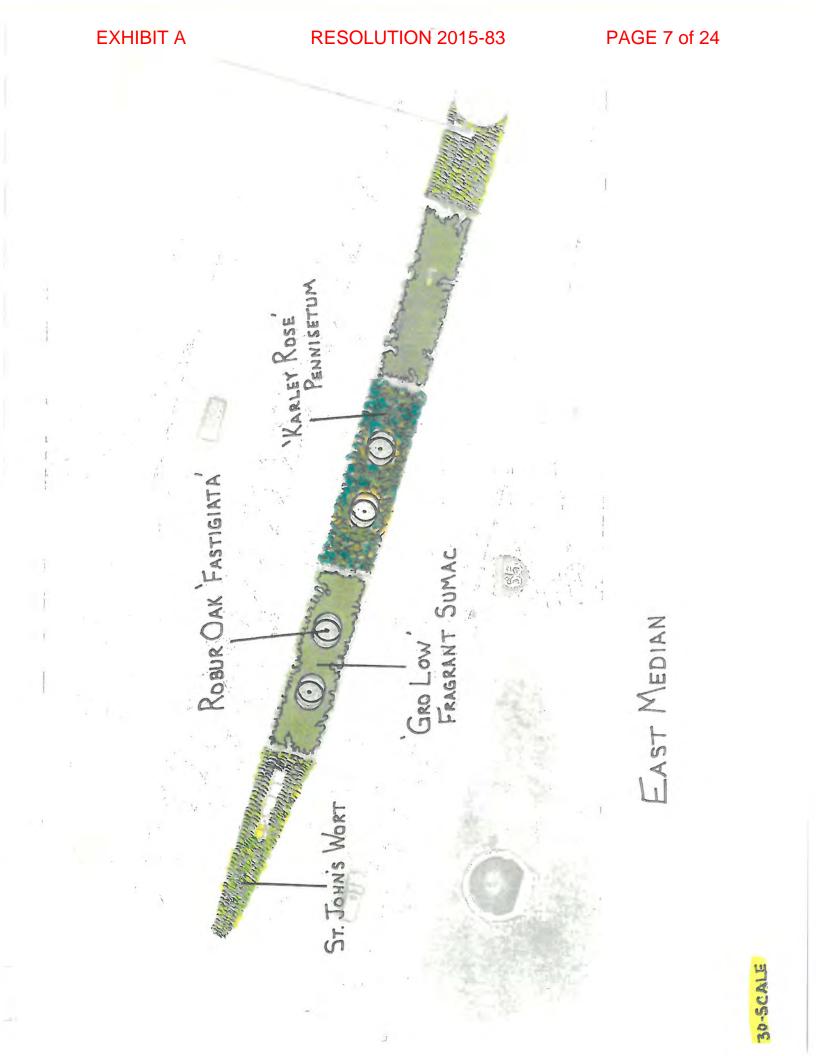


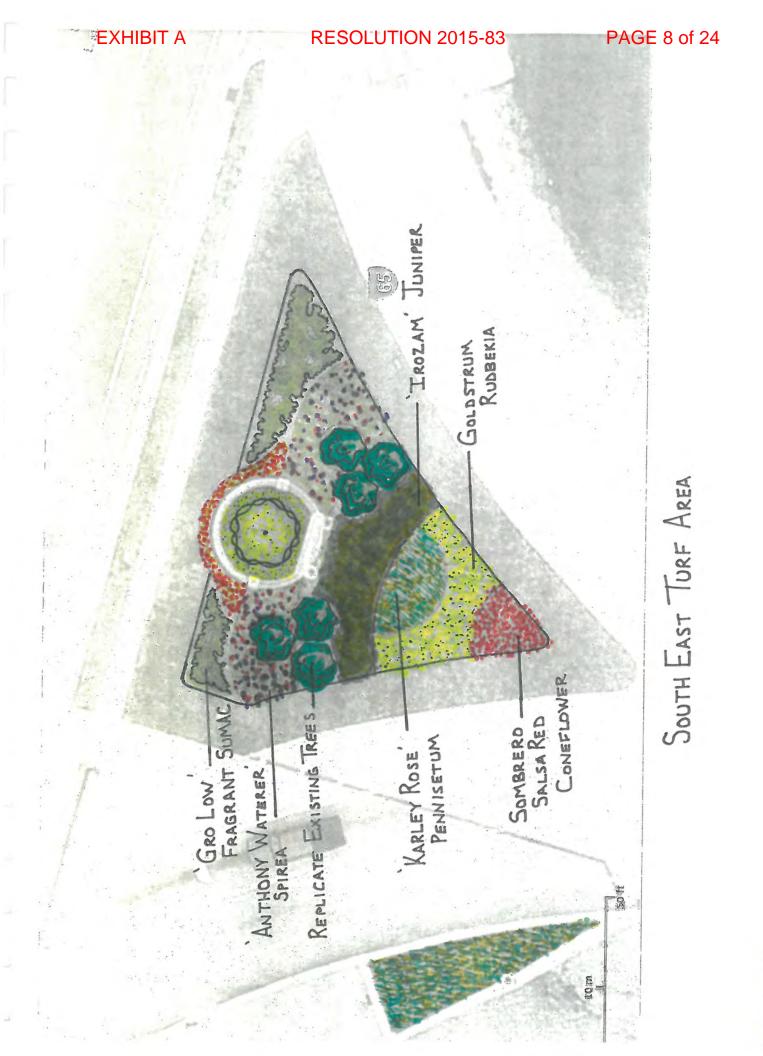


### **RESOLUTION 2015-83**

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20-SCALE

### McEwen Interchange Plant List

#### NORTH WEST TURF AREA

<u>Otv.</u>	Size.	Type	Total
74	1 gal.	Sombrero Salsa Red Coneflower	\$ 721.50
323	1 gal.	Rudbeckia fulgida var. sullivantii 'Goldstrum'	\$ 1,695.75
14	3 gal.	Pennisetum orientale 'Karley Rose'	\$ 189.00
31	3gal.	Juniperus conferta 'Irozam' (Iron Age)	\$ 387.50
51	3gal.	Spirea x bumalda 'Anthony Waterer'	\$ 561.00
21	3gal.	Rhus aromatica 'Gro-Low'	\$ 462.00
35	3gal.	Sorghastrum nutans Indian Grass	\$ 402.50
6	1.5" cal	Replicate existing trees	\$ 600.00
3355		Spring Loaded Daffodils	\$ 1,315.00
88		Pinestraw	\$ 374.00
1		TOTAL	\$ 6,708.25

#### WEST MEDIAN

Qtv. Size. Type Total Pennisetum orientale 'Karley Rose' 1,269.00 94 3 gal. \$ \$ 2,112.00 96 3gal. Rhus aromatica 'Gro-Low' Quercus robur 'fastigiata' 1,472.00 \$ 8 2" cal. Hypericum calycinum St. John's wort \$ 3,717.70 658 1 gal. \$ 520.00 120 Pinestraw \$ 9,090.70 TOTAL

#### SOUTH WEST TURF AREA

<u>Qtv.</u>	Size.	Type	Total
138	1 gal.	Sombrero Salsa Red Coneflower	\$ 1,345.50
138	1 gal.	Rudbeckia fulgida var. sullivantii 'Goldstrum'	\$ 724.50
35	3 gal.	Pennisetum orientale 'Karley Rose'	\$ 472.50
18	3gal.	Spirea x bumalda 'Anthony Waterer'	\$ 198.00
21	3gal.	Sorghastrum nutans Indian Grass	\$ 241.50
5	8'	Lagerstroemia 'Red Rocket'	\$ 192.50
6	1.5" cal	Replicate existing trees	\$ 600.00
3 ton	6 in.	River stone	\$ 1,200.00
46		Pinestraw	\$ 195.50
		TOTAL	\$ 5,170.00

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### **RESOLUTION 2015-83**

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#### NORTH EAST TURF AREA

Turne

<u>Utv.</u>	Size.	Ivpe	lotal
118	1 gal.	Sombrero Salsa Red Coneflower	\$ 1,150.50
118	1 gal.	Rudbeckia fulgida var. sullivantii 'Goldstrum'	\$ 619.50
12	3 gal.	Pennisetum orientale 'Karley Rose'	\$ 162.00
24	3gal.	Spirea x bumalda 'Anthony Waterer'	\$ 264.00
32	3gal.	Sorghastrum nutans Indian Grass	\$ 368.00
5	8'	Lagerstroemia 'Red Rocket'	\$ 192.50
2	1.5" cal.	Replicate existing trees	\$ 200.00
40		Pinestraw	\$ 170.00
		TOTAL	\$ 3,126.50

#### WEST MEDIAN

Otv. Size. Type Total Pennisetum orientale 'Karley Rose' 3 gal. 1,917.00 142 \$ 97 3gal. Rhus aromatica 'Gro-Low' \$ 2,134.00 4 2" cal. Quercus robur 'fastigiata' \$ 736.00 387 1 gal. Hypericum calycinum St. John's wort \$ 2,186.55 106 Pinestraw \$ 450.50 TOTAL \$ 7,424.05

#### SOUTH EAST TURF AREA

<u>Otv.</u>	Size.	Type		<u>Total</u>
131	1 gal.	Sombrero Salsa Red Coneflower	\$	1,277.25
234	1 gal.	Rudbeckia fulgida var. sullivantii 'Goldstrum'	\$	1,228.50
23	3 gal.	Pennisetum orientale 'Karley Rose'	\$	310.50
28	3gal.	Juniperus conferta 'Irozam' (Iron Age)	\$	350.00
51	3gal.	Spirea x bumalda 'Anthony Waterer'	\$	561.00
24	3gal.	Rhus aromatica 'Gro-Low'	\$	528.00
44	3gal.	Sorghastrum nutans Indian Grass	\$	506.00
6	1.5" cal	Replicate existing trees	\$	600.00
3040		Spring Loaded Daffodils	\$	1,315.00
94		Pinestraw	\$	398.44
		TOTAL	¢	7 074 69

IOTAL

\$ 7,074.69

RESOLUTION 2015-83 PAGE 11 of 24

Otv.	Size.	Type	Total
		and and a second	Terren
461	1 gal.	Sombrero Salsa Red Coneflower	\$ 4,494.75
813	1 gal.	Rudbeckia fulgida var. sullivantii 'Goldstrum'	\$ 4,268.25
320	3 gal.	Pennisetum orientale 'Karley Rose'	\$ 4,320.00
59	3gal.	Juniperus conferta 'Irozam' (Iron Age)	\$ 737.50
144	3gal.	Spirea x bumalda 'Anthony Waterer'	\$ 1,584.00
238	3gal.	Rhus aromatica 'Gro-Low'	\$ 5,236.00
132	3gal.	Sorghastrum nutans Indian Grass	\$ 1,518.00
10	8'	Lagerstroemia 'Red Rocket'	\$ 385.00
12	2" cal.	Quercus robur 'fastigiata'	\$ 2,208.00
1045	1 gal.	Hypericum calycinum St. John's wort	\$ 5,904.25
6400	1.00	Spring Loaded Daffodils	\$ 2,630.00
494		Pinestraw	\$ 2,099.50

TOTAL

\$ 35,385.25

### **RESOLUTION 2015-83**

### PAGE 12 of 24

# fodils for turalizing

The duffodils on these pages

"I just had to let you know how fantastic the Spring Loaded blend I bought from you three years ago is. I planted 1000 bulbs and, despite neglect, they continue to thrive and increase. What a variety of forms and colors! I have fallen in love with varieties that I thought I wouldn't like-there's not one that isn't beautiful in its own way."

-POLLY G., NORTH PLAINS, OR

### Spring Loaded<sup>®</sup>

This mixture makes planting daffodils on a large scale very economical, with no compromise in bulb size. It contains at least 20 proven named varieties, covering the full spectrum of daffodil colors and bloom times. These time-tested beauties will provide a succession of flowers for many springs to come. . . . . . .

early		id	late
Item No	3076	Per 100	\$49.00
Bulb Size	18cm+	Par 1000	\$430.00
Height	12-18"	Per 5000	\$2000.00



All Plants :: All Perennials :: All Echinacea 'Salsa Red'

### Sombrero<sup>™</sup> Salsa Red Coneflower

### Echinacea 'Salsa Red'

### Sombrero™ 'Salsa Red' Echinacea

PP#23,105

Compact, well-branched, brilliant red coneflower.

Height: 18-24 in Width: 12-18 in ioil Conditions: Moist/Well Drained Flower Color: Red Bloom Time: June, July, August, September Fardiness Zone: 5 TO 9

ITEM #	CROP IMAGE	SIZE	CURRENT AVAIL	
22887.1G		#1	1519	

18-12" spacing

### **Characteristics & Attributes**

Attributes	Attracts Wildlife	Plant Habit	Light Conditions
Drought Tolerant	Attracts Butterflies	Upright	Sun
Container	Attracts Pollinators		
Fall Color			
<b>Vative Plant</b>	Flower Color	Flower Hue	Flower Height
Community	Red	Medium	18" to 24"
Mesic Prairie			
lower Type	Foliage Color	Leaf Texture	Prune Time
Head	Green	Medium	Jan/Feb/March
Flower Form	Flower Size	Growth Rate	Origin
Single	3" to 4"	Average	Hybrid







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# Resource fulgida you sullivantii 'Goldsturm' Resource TION 2015-83

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Common Name: black-eyed Susan

Bloom Description: Yellow rays with black center

Suggested Use: Naturalize, Rain Garden

Tolerate: Deer, Drought, Clay Soil, Dry Soil, Air

Type: Herbaceous perennial

Family: Asteraceae

Zone: 3 to 9

Sun: Full sun

Flower: Showy

Pollution

Attracts: Butterflies

Garden locations

Water: Dry to medium Maintenance: Low

disk

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# Rudbeckia fulgida var. sullivantii 'Goldsturm'

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Tried and Trouble-free Recommended by 12 Professionals



# Culture

Easily grown in average, dry to medium, well-drained soil in full sun. Tolerates hot and humid summers and some drought. Tolerates light shade, but best in full sun. Deadhead to prolong bloom. Divide when clumps become overcrowded. Plants do not come true from seed (must be vegetatively propagated). Some nurseries sell seed-grown plants, however, as Goldsturm strain.

#### **Noteworthy Characteristics**

This coneflower cultivar is an upright, rhizomatous, clump-forming perennial which typically grows 2-3' tall. Features large, daisy-like flowers (3-4" across) with deep yellow rays and dark brownish-black center disks. Flowers appear singly on stiff, branching stems in a prolific, long-lasting, mid-summer-to-fall bloom. Oblong to lanceolate, dark green foliage. Good fresh cut flower.

#### Problems

A common problem of this cultivar is angular leaf spot caused by a bacterium. The disease causes brown or black angular spots on the leaves which can expand to blacken the whole leaf. Infection begins on the lower leaves and moves up the plant. Rudbeckias are also susceptible to septoria leaf spot and powdery mildew.

#### Garden Uses

Mass in bold drifts in the perennial border, cottage garden, prairie, meadow or naturalized area. Provides excellent bloom and color for late summer.

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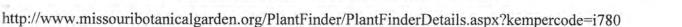
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18 - spacing



### Pennisetum opiertal B'Mardey Rose' - Plant Finder ESOLUTION 2015-83

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Pennisetum orientale 'Karley Rose'

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#### Culture

Easily grown in average, medium, well-drained soils in full sun to part shade. Best in full sun. Tolerates part shade, but may not flower in too much shade. Prefers sandy loams with good drainage. Drought tolerant. Cut foliage to the ground in late winter before new shoots appear. Species plants are only winter hardy to USDA Zone 6, however 'Karley Rose' is reportedly winter hardy to USDA Zone 5a, which encompasses the entire St. Louis metropolian area.

Garden locations

#### Noteworthy Characteristics

Pennisetum orientale is a warm season fountain grass that is native to Asia. It is an ornamental grass that typically forms graceful, spreading foliage clumps to 18" tall and as wide of narrow, gray-green leaves (to 1/4" wide). Showy, fluffy, pinkish-white flower spikes arch upward and outward from the foliage clump in late summer like water spraying from a fountain, hence the common name. Flower spikes rise well above the foliage to 2.5-3' tall. Flower spikes persist over a very long bloom period from early June to August before eventually disintegrating. Foliage changes to yellowish-tan in fall, and usually remain attractive throughout the winter. 'Karley Rose' is a cultivar that, inter alia, is distinguished from the species by having (1) deeper green foliage, (2) darker, smoky rose-purple flower spikes that are larger and fuller, (3) longer bloom period extending into September and (4) better winter hardiness. U.S. Plant Patent #12,909 issued September 3, 2002.

#### Problems

No serious insect or disease problems.

### Common Name: oriental fountain grass Type: Ornamental grass Family: Poaceae Zone: 5 to 8 Height: 2.00 to 3.00 feet Spread: 2.00 to 3.00 feet Bloom Time: June to August Bloom Description: Rose-purple Sun: Full sun to part shade Water: Medium Maintenance: Low Flower: Showy Leaf: Good Fall Other: Winter Interest Tolerate: Drought, Black Walnut, Air Pollution

30" spacing

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Juniperus conferta, Shore Juniper - Plant Database Shiversity of Connectiout

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UCONN UNIVER ITY OF CONNECTICUT

COLLEGE OF AGRICULTURE, HEALTH AND NATURAL REJOURCE

# Juniperus conferta

Shore Juniper

# Cupressaceae



### Habitat

- zone 5
- native to sea coast of Japan

### Habit and Form

- dense, evergreen shrub
- branches very flexible
- \* 1' to 2' tall and 6' to 9' wide
- slow growth
- medium texture

### Summer Foliage

- awl-shaped needles, held in 3's
- needles tend to overlap
- needle tip sharply pointed
- · concave needles with a white band on upper-side with a green line running through the middle
- bright blue-green color

### Autumn Foliage

Juniperus conferta, Shore Juniper - Plant Database, University of Connecticut

by cuttings

### Cultivars/Varieties

'Blue Pacific' - This is the most common form, featuring blue-green foliage and a tight habit less than 1' tall and spreading wide to form a groundcover. It appears to be slightly more hardy than the species.

**'Emerald Sea'** - A U.S. National Arboretum introduction growing larger than 'Blue Pacific' (to 2' tall and 10' wide), this plant is hardier than the species and salt tolerant. It has a looser habit than 'Blue Pacific'.

**'Irozam' (Iron Age™)** - This new selection is marketed for its purported tolerance of harsh, dry conditions and salt exposure. It has a slightly more upright growth, to 12" tall and 6' wide. 52" spacing

'Silver Mist' (same as 'Shiro Toshio') - This new form is exceptional for its dense, silvery blue-green foliage and compact dense habit to 16" tall. The foliage develops a slight purple cast in winter.

**'Sunsplash'** (perhaps the same as **'Variegata'** and **'Akebono'**) - A variegated form that appears ready to enter the mainstream, this plant features bluish green foliage with random sections of gold-yellow needles. The variegation appears to persist from year to year and remains fresh in all seasons.

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Spiraea x bumalda 'Anthony Waterer'

### RESOLUTION 2015-83

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NC STATE UNIVERSITY



Plants > All Plants > Spiraea x bumalda 'Anthony Waterer'

# Spiraea x bumalda 'Anthony Waterer'

Common Name(s): Anthony Waterer spirea
Category:
Shrubs
Height: 36" spacing
Foliage:
Alternate, simple dark green leaves; 1.5 in. long; new growth is pink-tinged; reddish fall color
Flower:
Small purplish red flowers on 4 to 6 in. flat cluster in summer
Zones:
5 to 9
Habit:
Deciduous
Site:
Sun to partial shade; tolerates range of soil types
Texture:
Medium to fine
Form:
Upright, broad, flat, compact shrub
Width:
3-4 ft.
Tags:
deciduous



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Spiraea x bumalda 'Anthony Waterer'



Spiraea x bumalda 'Anthony Waterer'



WHERE NEXT?

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### Rhus aromatica 'Gro-Low' - Plant Finder

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### Rhus aromatica 'Gro-Low'

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Family: Anacardiaceae Zone: 3 to 9 Height: 1.50 to 2.00 feet 5 - spacing Spread: 6.00 to 8.00 feet Bloom Time: April to May Bloom Description: Yellowish Sun: Full sun to part shade Water: Dry to medium Maintenance: Low Suggested Use: Naturalize Flower: Insignificant Attracts: Birds, Butterflies Fruit: Showy Tolerate: Rabbit, Drought, Erosion, Clay Soil, Dry Soil, Shallow-Rocky Soil

Garden locations

Easily grown in average, dry to medium, well-drained soil in full sun to part shade. Tolerant of wide range of soils except those that are poorly drained.

#### Noteworthy Characteristics

This fragrant sumac cultivar is a dense, low-growing, rambling shrub which spreads by root suckers and typically grows only to 1-2' tall but spreads to 8' wide. Trifoliate, medium green leaves turn attractive shades of orange and red in autumn. Leaves and twigs are aromatic when bruised (hence the species name). Leaves are smaller but resemble in appearance those of the related poison ivy (Rhus radicans), however this fragrant sumac is a totally non-poisonous plant. Tiny yellow flowers bloom at the twig tips in early spring before the foliage. Separate male flowers (in catkins) and female flowers (in clusters) appear on the same plant (monoecious) or, more commonly, on different plants (dioecious). Male catkins form in late summer and persist throughout the winter until eventually blooming in spring. Female flowers give way in late summer to small clusters of hairy, red berries which may persist into winter. Fruit is attractive to wildlife,

#### Problems

Culture

No serious insect or disease problems. Some susceptibility to leaf spot, rust, scale, aphids and mites. Nipple galls on foliage are a somewhat common, but generally cosmetic problem.

Garden Uses

Common Name: fragrant sumac Type: Deciduous shrub

http://www.missouribotanicalgarden.org/PlantFinder/PlantFinderDetails.aspx?kempercode=f180

7/30/2015

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### Sorghastrum nutans Plant Finder

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### Sorghastrum nutans 🐗

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Height: 3.00 to 5.00 feet Spread: 1.00 to 2.00 feet Bloom Time: September to February Sun: Full sun Water: Dry to medium Maintenance: Medium Suggested Use: Naturalize Flower: Good Dried

Attracts: Birds

Rocky Soil, Black Walnut, Air Pollution

Garden locations

Easily grown in average, dry to medium, well-drained soils in full sun. Tolerant of a wide range of soils including heavy clays. Does well in poor, dry, infertile soils. Tends to open up and/or flop in moist, rich soils however. May naturalize by self-seeding in optimum growing conditions. Cut back to the ground in late winter to early spring just before the new growth appears.

#### Noteworthy Characteristics

Sorghastrum nutans, commonly called Indian grass, is a warm season Missouri native perennial grass which typically occurs in prairies, glades and open woods throughout the State. It was one of the dominant grasses of the tallgrass prairie which once covered large parts of the Midwest. Typically grows 3-5' tall (less frequently to 6') and is noted for its upright form and blue-green foliage. It forms upright clumps (to 2-3' tall) of slender, blue-green leaves (to 1/2" wide and 2' long). Foliage turns orange-vellow in fall and usually retains hints of color into the winter. Stiff, vertical flowering stems, topped with narrow, feathery, light brown flower panicles (to 12" long) highlighted with vellow stamens, rise well above the foliage clump in late summer to 5-6' tall. Panicles darken to bronze/chestnut brown in fall as they mature, later fading to gray. Panicles continue to provide some interest well into winter.

Genus name come from Greek and means a poor imitation of sorghum.

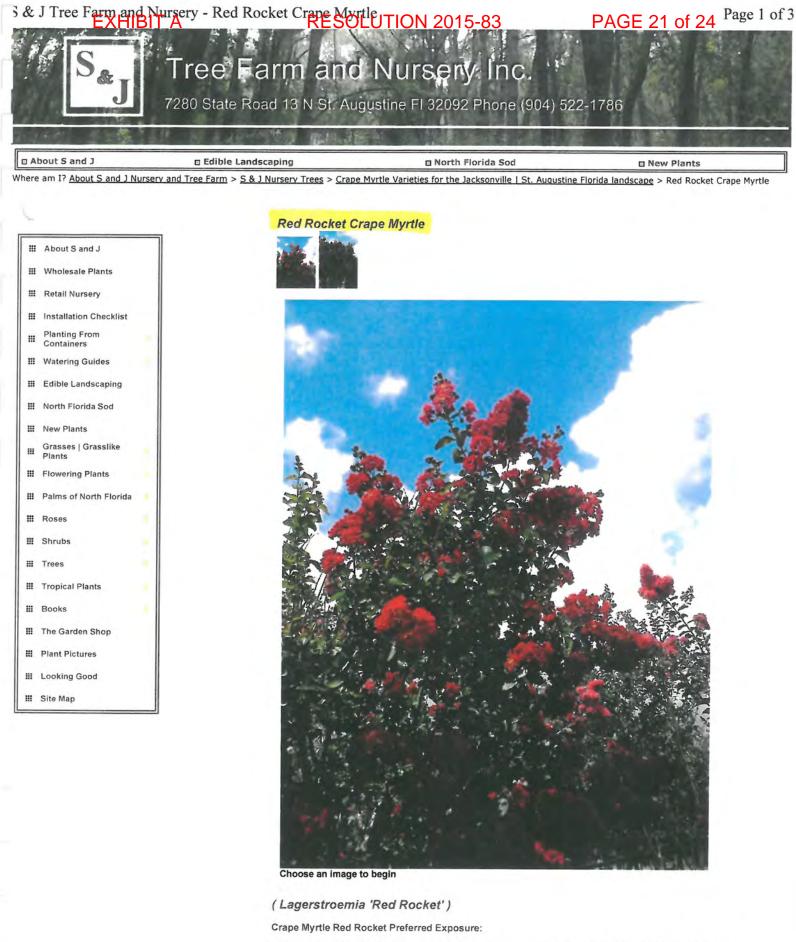
Specific epithet means to nod or nodding. Latin for swaving, while the genus name Sorghastrum is of Greek origin and means "a poor imitation of sorghum".

Common Name: Indian grass Type: Ornamental grass Family: Poaceae Native Range: Eastern and central United States & spacine Bloom Description: Light brown with yellow Leaf: Good Fall

Other: Winter Interest

Tolerate: Drought, Erosion, Dry Soil, Shallow-

Culture



- Full sun is needed for Red Rocket Crape Myrtles to grow and bloom properly in the North Florida | Jacksonville | St. Augustine area landscape.

Red Rocket Crape Myrtle Foliage | Bark:

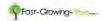
# 5 & J Tree Farm and Nursery - Red Rocket Crape Montheution 2015-83











Dark green deciduous foliage of the Red Rocket Crape Myrtle turns bronze red in the fall before falling off the tree for winter.

- Bark of the Red Rocket Crape Myrtle is a beautiful tan color and smooth textured. Very pretty.

#### Red Rocket Crepe Myrtle Soil Preference / Salt Tolerance:

- Red Rocket Crape Myrtles do well in most soils providing they are well draining.

 - Crape Myrtle Trees are not known to be sall tolerant and should not be planted in coastal landscapes or gardens where irrigated with water with high salinity levels

#### Red Rocket Crape Myrtle Size Variance:

- Red Rocket Crape Myrtle is a medium sized selection and will only grow up to 15-20 feet high and wide.

Use Red Rocket Crape Myrtles where you have limited space that a larger species would not be well suited to or you would have to trim back all of the time to keep it in scale you can still allow this variety to grow to its full potential without all the fuss.

#### Crape Myrtle Red Rocket Growth Habit:

- Upright rounded growth habit of a Red Rocket Crape Myrtle forms a nice full canopy of foliage.

#### Crape Myrtle Red Rocket Growth Rate:

- Red Rocket is considered a moderate growing Crepe Myrtle. Crepe Myrtles growth rate is tied to its mature growth size, 30 ft tail Muskogee Crape Myrtles will grow very quickly but Catawba that has a mature height of only 12 ft is much slower growing.

#### Red Rocket Crape Myrtle Bloom:

- Red Rocket Crape Myrtle blooms are without question the best of the best when your on the market for a true red color. The bright red color is a rich deep hue that is very eye catching and makes a dramatic landscape statement when in bloom. One of my personal favorite selections, very pretty.

#### Crape Myrtle Red Rocket Water Requirements:

- Crepe Myrtles trees are drought tolerant after they are established in the landscape but will need to be watered well after planting for two weeks to three months in the establishment period depending on the size of the tree being planted and during prolonged periods of drought after established in the landscape.

#### Butterfly or Bird Attracting:

- n/a

#### Best Uses For Crape Myrtles:

- Few trees make quite the statement in the landscape that a Crepe Myrtle can. They bloom for months with little care on our part to keep them looking spectacular. Its little wonder they hold such a place in our hearts and in our gardens.

- Plant them alone as a specimen accent or in groups for added dramatic flare. With so many varieties, colors and sizes to choose from, no southern garden should be without at least one!

- Crape Myrtles are the perfect touch of color when inter planted in hedge rows for privacy screens or property borders.

- Low maintenance and drought tolerant once established, Crape Myrtles make excellent commercial plantings for parking lots and street trees.

#### Care of Crape Myrtles:

- Water every day during the establishment period. See watering your newly planted trees for more information.

-They will need good water during the establishment period and supplemental irrigation during dry spells or particularly hot dry summers.

- All Crape Myrtles bloom on new wood and should be pruned in winter or early spring for best bloom.

 Take care to remove basal suckers and small twiggy growth each year on larger specimens and remove crossing or touching branch growth as well as branches growing towards the center rather than the more desirable growth that grows out and away from other branches.

 During the summer growth season you can choose to trim old blooms and your Crape Myrtle will put out a second lighter and slightly smaller bloom to replace it and prolong your bloom season.

- Provide a 1 ft diameter circle of mulched area where grass is kept from growing for each inch of caliper (or diameter) of trunk measured 4 inches from the ground level.

 Fertilize each spring with a heaping shovel of compost or a mixture of milorganite and a slow release poly coated plant food such as Osmocote or Stay Green general purpose plant food, sprinkling the fertilizer around the mulch circle underneath the foliage of the tree,

Fall in love with Red Rocket Crepe Myrtles? Who can blame you... Check out these links to

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### Acoma Crape Myrtle

Burgundy Cotton Crape Myrtle

#### Muskogee Crape Myrtle

Natchez Crape Myrtle

Pink Velour Crape Myrtle

Quercus robur 'Eastigiata'

### RESOLUTION 2015-83

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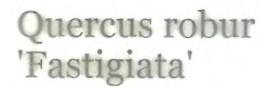
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#### NC STATE UNIVERSITY



Plants > All Plants > Quercus robur 'Fastigiata'



#### This plant has poison characteristics. See below.

Common Name(s): Columnar English oak Categories: Poisonous Plants, Trees Comment: Partially comes true from seeds; susceptible to powdery mildew. This tree is mildly resistant to damage by deer. Description: Evergreen or deciduous trees; leaves alternate and simple, variously shaped in different species; pollen flowers in drooping, elongated clusters; fruit an acorn. Height: 50-60 ft. Flower: 1 in. acorn Zones: 5-8 Habit: Deciduous Site: Sun; prefers well drained soil; open area Texture: Medium Form: Narrow fastigiate form **Poison Part:** Acorns (seeds of nuts) and young leaves. **Poison Delivery Mode:** Ingestion. Symptoms: Stomach pain, constipation and later bloody diarrhea, excessive thirst and urination Edibility: EDIBLE PARTS: Acorns (nuts) are edible after tannins are leached or boiled out. HARVEST TIME: Only collect nutsfrom areas you kn **Toxic Principle:** Gallotannins, quercitrin, and quercitin. Severity: CAUSES ONLY LOW TOXICITY IF EATEN. Found in: Forest or natural areas; landscape as ornamental and shade trees. Width: 10-15 ft. Growth Rate: Slow Leaf: https://plants.ces.ncsu.edu/plants/all/quercus-robur-fastigiata/



Quercus robur 'Fastigiata'



Quercus robur 'Fastigiata'

### Hypericum calycinum - Plant Finder

### **RESOLUTION 2015-83**

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### Hypericum calycinum 🔹

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More Images Plant of Merit Tried and Trouble-free Recommended by 1 Professionals Common Name: St. John's wort Type: Deciduous shrub Family: Hypericaceae Native Range: Southern Europe, southwestern Asia Zone: 5 to 9 Height: 1.00 to 1.50 feet Spread: 1.50 to 2.00 feet Bloom Time: July to August Bloom Description: Bright yellow Sun: Full sun to part shade Water: Medium Maintenance: Low Suggested Use: Ground Cover Flower: Showy

Tolerate: Drought, Erosion, Dry Soil

Garden locations

Easily grown in average, medium, well-drained soil in full sun to part shade. Tolerates wide range of soils. Thrives on sandy soils in full sun. Less floriferous in part shade. Evergreen in warm winter climates. Usually dies to the ground or suffers some tip dieback in cold winter climates, but blooms on new growth and comes back nicely each spring. In areas where it does not die in winter, shear or mow plants in late winter or early spring every 2-3 years to renew and induce new growth. Spreads rapidly by underground stems and can spread aggressively in ideal growing conditions. Plant 18" apart for use as a ground cover.

#### Noteworthy Characteristics

A stoloniferous subshrub or shrublet, typically growing 12" (less frequently to 18") high and 24" wide, which is frequently planted as a ground cover. Features large, rose-like, 5-petaled, yellow flowers (2-3" diameter) having numerous, bushy stamens with reddish anthers. Flowers appear singly or in groups of 2-3 and cover the plant in summer. Oval to oblong, distinctively net-veined (from beneath) leaves (to 4" long) are rich green in sun but are a lighter, yellowish green in shade. Four-angled stems are both procumbent and ascending. Sometimes commonly called Aaron's beard or creeping St. John's wort. Plants of the genus *Hypericum* (some species have been used since ancient times in the treatment of wounds) were apparently gathered and burned to ward off evil spirits on the eve of St. John's Day, thus giving rise to the genus common name of St. John's wort.

#### Problems

Culture

No serious insect or disease problems.

Garden Uses

http://www.missouribotanicalgarden.org/PlantFinder/PlantFinderDetails.aspx?kempercode=a520

8/3/2015