

# The Green Pearl

## 6<sup>th</sup> Street Revitalization LID

Team ID number: 02-01

### LANDSCAPE RECOMMENDATIONS

#### **Bioretention Medians**

Bioretention Median Plant Species Selection

- Tolerant of varied moisture conditions (wet and dry)
- Tolerant of varied soil types and growing conditions
- Available in Oklahoma plant nurseries
- Low maintenance requirements
- Not invasive weeds
- Do not have aggressive/invasive root systems
- Exhibit an attractive appearance. When selecting plants from a list, additional site-specific information, such as tolerance to high and low temperatures, and prevailing winds should be considered.

**The bioretention medians include plantings of** Juncus (soft rushes), St Johns wort (*Hypericum perforatum*), dwarf inkberry (*Ilex glabra* 'Shamrock'), dwarf Virginia sweetspire (*Itea virginica* 'Sprich' LITTLE HENRY), blackeyed Susans (*Rudbeckia hirta*), Gray's sedge (*Carex grayi* Carey), red switchgrass (*Panicum virgatum* 'Shenandoah'), Blazing Star (*Liatris pycnostachya* Michx.), Bushy Bluestem (*Andropogon glomeratus*), Butterfly Weed (*Asclepias tuberosa*), Cardinal Flower (*Lobelia cardinalis*), Carolina Buckthorn (*Frangula caroliniana*), Carolina Snailseed (*Cocculus carolinus*), False Indigo (*Baptisia australis*), Gaura (*Gaura lindheimeri*), Goldenrod (*Solidago odora*), Indian Blanket (*Gaillardia pulchella*), Indian Paintbrush (*Castilleja miniata*), Joe-Pye Weed (*Eutrochium purpureum*), and Cockspur Hawthorn (*Crataegus crus-galli* L.)

## **Flow Through Planters**

Flow Through Planter at Buildings Plant Species Selection

- Resilient to insects and disease, and are less likely to need pesticides
- Best adapted to local conditions, e.g., no need to use chemical fertilizers
- Conserving water , i.e., once plants are established in the right place, no need for supplemental watering
- High habitat value provides food, shelter, and nesting areas for birds and bees
- Planters on north exposure of buildings require a different plant pallet. See plant options below

**The flow through planters include plantings of** Beebalm (*Monarda didyma*), Blueflag Iris (*Iris versicolor*), Cardinal Flower (*Lobelia cardinalis*), Great Blue Lobelia (*Lobelia siphilitica*), Broomsedge (*Andropogon virginicus*), Switch Grass (*Panicum Virgatum*), Lyre-leaf Sage (*Salvia lyrata*), Spicebush (*Lindera benzoin*)

Woody plants for a shady rain garden: Virginia sweetspire (*Itea virginica*), Florida leucothoe (*Agarista populifolia*), spicebush (*Lindera benzoin*), American hornbeam (*Carpinus caroliniana*) and silky dogwood (*Cornus amomum*).

Perennials for a shady rain garden: cinnamon fern (*Osmunda cinnamomea*), royal fern (*Osmunda regalis*), netted chain fern (*Woodwardia areolata*), sensitive fern (*Onoclea sensibilis*), foamflower (*Tiarella* spp.), green and gold (*Chrysogonum virginianum*), cardinal flower (*Lobelia cardinalis*) and jewelweed (*Impatiens capensis*).

## **Canal Areas**

### Canal Plant Species Selection

- Native Oklahoma species
- Grassland planting and native prairie seed mix
- Transition from prairie seed mix to native shrubs, ground covers, and flowering plant
- Exhibit an attractive appearance. When selecting plants from a list, additional site-specific information, such as tolerance to high and low temperatures, and prevailing winds should be considered

**The canal include plantings of** River Birch (*Betula nigra*), Red Maple (*Acer rubrum*), Big Bluestem (*Andropogon gerardii*), Little Bluestem (*Schizachyrium scoparium*), Switchgrass (*Panicum virgatum*), Foxglove Beardtongue (*Penstemon digitalis*), Fragrant Sumac (*Rhus aromatica*), Red Beardtongue (*Penstemon digitalis* husker), Blue Wood Aster (*Aster cordifolius*), Heartleaf Bergenia (*Bergenia cordifolia* 'Winterglut' ), Canna Lily (*Canna x generalis* Hybrids)