Surrounding the bandshell in West Park is a wetland where Cat-Tails thrive. Stormwater runoff comes from overland flow and from the road via an uphill wetland complex. A controlled burn was conducted in the spring of 2016. The cat-tails need to be monitored and managed regularly. All vegetation should be cut down regularly to allow the stage to be visible.

**MAINTENANCE NOTES:**

*per estimate from PlantWise. Burn every three years so cost spread across years*
**West Park Bandshell Wetland**

**Site Plan**

**Acreage:** 0.34

**SF:** 14,774

---

**NATIVE PLANTS TO LOOK FOR:**

- Arrow-leaved Aster (*Aster sagittifolius*)
- Awl-fruited Sedge (*Carex stipata*)
- Bebb's Sedge (*Carex bebbii*)
- Big-leaved Aster (*Aster macrophyllus*)
- Bicknell's Oval Sedge (*Carex bicknelli*)
- Big Bluestem (*Andropogon gerardii*)
- Black-Eyed Susan (*Rudbeckia hirta*)
- Blazing Star (*Liatris aspera*)
- Blue Flag Iris (*Iris versicolor*)
- Blue-Stem Goldenrod (*Solidago caesia*)
- Blue Vervain (*Verbena hastata*)
- Bottlebrush Grass (*Elymus hystrix*)
- Brown-Eyed Susan (*Rudbeckia triloba*)
- Butterfly Weed (*Asclepias tuberosa*)
- Calico Aster (*Aster laterifolius*)
- Canada Wild Rye (*Elymus canadensis*)
- Columbine (*Aquilegia canadensis*)
- Common Arrowhead (*Sagittaria latifolia*)
- Common Boneset (*Eupatorium perfoliatum*)
- Common Water Plantain (*Alisma subcordatum*)
- Common Wood Sedge (*Carex blanda*)
- Culver’s Physic (*Veronicastrum virginicum*)
- Dark Green Rush (*Scirpus atrovirens*)
- Ditch Stonecrop (*Penthorum sedoides*)
- Elm-Leaved Goldenrod (*Solidago ulmifolia*)
- False Dragonhead (*Physostegia virginiana*)
- False Sunflower (*Helianthus helianthoides*)
- Fox Sedge (*Carex vulginaedra*)
- Fowl Manna Grass (*Glyceria striata*)
- Giant Smartweed (*Polygonum pensylvanicum*)
- Golden Alexander (*Zizia aurea*)
- Grassleaved Goldenrod (*Solidago graminifolia*)
- Great Blue Lobelia (*Lobelia siphilitica*)
- Green Coneflower (*Rudbeckia laciniata*)
- Hairy Beard Tongue (*Penstemon digitalis*)
- Hairy Mountain Mint (*Pycnanthemum pilosum*)
- Heart-leaved Aster (*Aster cordifolius*)
- Hoary Vervain (*Verbena stricta*)
- Knobbed Hop Sedge (*Carex lупuliformis*)
- Little Bluestem (*Schizachyrium scoparium*)
- Lupine (*Lupinus perennis occidentalis*)
- Missouri Ironweed (*Vernonia missurica*)
- Monkeyflower (*Mimulus ringens*)
- Mountain Mint (*Pycnanthemum virginianum*)
- New England Aster (*Aster novae-angliae*)
- Old-Field Goldenrod (*Solidago nemoralis*)
- Partridge Pea (*Cassia fasciculata*)
- Path Rush (*Juncus tenuis*)
- Pointed Broom Sedge (*Carex scoparia*)
- Prairie Cinquefoil (*Potentilla arguta*)
- Prairie Cord Grass (*Spartina pectinata*)
- Prairie Dock (*Silphium terebinthinaceum*)
- Purple Giant Hyssop (*Agastache scrophulariae*)
- Riddell’s Goldenrod (*Solidago hirta*)
- River Bulrush (*Scirpus fluviatilis*)
- Roundhead Bushclover (*Lespedeza capitata*)
- Sedge (*Carex molesta*)
- Sedge (*Carex muhlenbergii*)
- Short’s Aster (*Aster shortii*)
- Silky Wild Rye (*Elymus villosus*)
- Showy Goldenrod (*Solidago speciosa*)
- Slender Rush (*Juncus tenuis*)
- Slender Wheat (*Agropyron trachycaulum*)
- Smooth Blue Aster (*Aster laevis*)
- Sneezeweed (*Helenium autumnale*)
- Soft-stem Bulrush (*Scirpus validus*)
- Stiff Goldenrod (*Solidago rigida*)
- Swamp Milkweed (*Asclepias incarnata*)
- Switchgrass (*Panicum virgatum*)
- Tall Anemone (*Anemone virginiana*)
- Tall Coreopsis (*Coreopsis tripteris*)
- Torrey’s Rush (*Juncus torreyi*)
- Virginia Wild Rye (*Elymus virginicus*)
- Wild Bergamot (*Monarda fistulosa*)
- Wild Geranium (*Geranium maculatum*)
- Wild Phlox (*Phlox divaricata*)
- Woodland Brome (*Bromus pubescens*)
- Wood Sedge (*Carex rosea*)
- Wool Grass (*Scirpus cypireus*)
- Yellow Coneflower (*Rutbiada pinnata*)
- Yellow Giant Hyssop (*Agastache nepetoides*)
- Zig-Zag Goldenrod (*Solidago flexicaulis*)
West Park Northwest Wetland
Approximate Address: 215 Chapin St.

Year Built: 2010
Designer: Beckett & Raeder / ECT
Aesthetic Level Required: High

DESCRIPTION:
This natural area receives stormwater from road runoff. It is terraced in shape to slow water and is full of trees and wetland plants. There is often standing water in portions. A controlled burn was conducted in the spring of 2016 by PlantWise.

MAINTENANCE NOTES:
Burn and seed regularly. Invasives include Teasel, Canada Thistle and Yellow Sweet Clover.

<table>
<thead>
<tr>
<th>ACTIVITY</th>
<th>Monthly</th>
<th>Biannually</th>
<th>Annually</th>
<th>As Needed</th>
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*per estimate from PlantWise. Burn every three years so cost spread across years

July 2014
NATIVE PLANTS TO LOOK FOR:

- Arrow-leaved Aster (Aster sagittifolius)
- Awl-fruited Sedge (Carex stipata)
- Bebb's Sedge (Carex bebbii)
- Big-leaved Aster (Aster macrophyllus)
- Bicknell's Oval Sedge (Carex bicknelli)
- Big Bluestem (Andropogon gerardii)
- Black-Eyed Susan (Rudbeckia hirta)
- Blazing Star (Liatris aspera)
- Blue Flag Iris (Iris versicolor)
- Blue-Stem Goldenrod (Solidago caesia)
- Blue Vervain (Verbena hastata)
- Bottlebrush Grass (Elymus hystrix)
- Brown-Eyed Susan (Rudbeckia hirta)
- Butterfly Weed (Asclepias tuberosa)
- Calico Aster (Aster laterifolius)
- Canada Wild Rye (Elymus canadensis)
- Common Arrowhead (Sagittaria latifolia)
- Common Boneset (Eupatorium perfoliatum)
- Common Water Plantain (Alisma subcordatum)
- Common Wood Sedge (Carex blanda)
- Culver’s Physic (Veronicastrum virginicum)
- Dark Green Rush (Scirpus atrovirens)
- Dilch Stonecrop (Penthorum sedoides)
- Em-Leaved Goldenrod (Solidago ulmifolia)
- False Dragonhead (Physostegia virginiana)
- False Sunflower (Helianthus annuus)
- Fox Sedge (Carex vulpinoidea)
- Fowl Manna Grass (Glyceria striata)

- Giant Smartweed (Polygonum pensylvanicum)
- Golden Alexander (Zizia aurea)
- Grassleaved Goldenrod (Solidago graminifolia)
- Great Blue Lobelia (Lobelia siphilitica)
- Green Coneflower (Rudbeckia laciniata)
- Hairy Beard Tounge (Penstemon digitalis)
- Hairy Mountain Mint (Pycnanthemum pilosum)
- Heart-leaved Aster (Aster cordifolius)
- Hoary Vervain (Verbena striata)
- Knobbed Hop Sedge (Carex leptocephala)
- Little Bluestem (Schizachyrium scoparium)
- Lupine (Lupinus perennis)
- Missouri Ironweed (Vernonia missurica)
- Monkeyflower (Mimulus ringens)
- Mountain Mint (Pycnanthemum virginiense)
- New England Aster (Aster novae-angliae)
- Nodding Fescue (Festuca heterophylla)
- Nodding Smartweed (Polygonum lapathifolium)
- Nodding Wild Onion (Allium cernuum)
- Old-Field Goldenrod (Solidago nemoralis)
- Partridge Pea (Cassia fasciculata)
- Path Rush (Juncus tenuis)
- Pointed Broom Sedge (Carex scoparia)
- Prairie Cinquefoil (Potentilla arguta)
- Prairie Cord Grass (Spartina pectinata)
- Prairie Dock (Silphium terebinthinaceum)
- Purple Giant Hyssop (Agastache scrophulariaefolia)
- Riddell’s Goldenrod (Solidago ridelli)
- River Rush (Scirpus fluviatilis)
- Roundhead Bushclover (Lespedeza capitata)
- Sedge (Carex molesta)
- Sedge (Carex muhlenbergii)
- Short’s Aster (Aster shortii)
- Silky Wild Rye (Elymus villosus)
- Showy Goldenrod (Solidago speciosa)
- Slender Rush (Juncus tenuis)
- Slender Wheat (Agropyron trachycaulum)
- Smooth Blue Aster (Aster laevis)
- Sneezeweed (Helenium autumnale)
- Soft-stem Bulrush (Scirpus validus)
- Stiff Goldenrod (Solidago rigidua)
- Swamp Milkweed (Asclepias incarnata)
- Switchgrass ( Panicum virgatum)
- Tall Anemone (Anemone virginiana)
- Tall Coreopsis (Coreopsis tripteris)
- Torrey’s Rush (Juncus torreyi)
- Virginia Wild Rye (Elymus virginicus)
- Wild Bergamot (Monarda fistulosa)
- Wild Geranium (Geranium maculatum)
- Wild Phlox (Phlox divaricata)
- Woodland Brome (Bromus pubescens)
- Wood Sedge (Carex rosea)
- Wool Grass (Scirpus cyperinus)
- Yellow Coneflower (Ratibida pinnata)
- Yellow Giant Hyssop (Agastache nepetaefolia)
- Zig-Zag Goldenrod (Solidago flexicaulis)
West Park Southwest Swale
Approximate Address: 215 Chapin St.

Year Built: 2010
Designer: Beckett & Raeder / ECT
Aesthetic Level Required: Medium

DESCRIPTION:
This long thin swale at the base of the forested hillside on the south side of West Park is full of native grasses and forbs. A historic pathway runs south of the swale. Receiving runoff from the uphill neighborhood, this area is often saturated. A bridge crosses the swale for those coming from Huron Street. A controlled burn was conducted in the spring of 2016.

MAINTENANCE NOTES:
Burn and seed regularly, can have a natural look. Invasive species include Canada Thistle, Yellow Sweet Clover and Dames Rocket.

<table>
<thead>
<tr>
<th>ACTIVITY</th>
<th>Monthly</th>
<th>Biannually</th>
<th>Annually</th>
<th>As Needed</th>
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<tr>
<td>Remove Trash</td>
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<tr>
<td>Controlled Burns</td>
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<td>Herbicide</td>
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</tr>
<tr>
<td>Add/Divide Plants</td>
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</tr>
<tr>
<td>Collect Seeds</td>
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<thead>
<tr>
<th>YEARLY ESTIMATE</th>
<th>HOURS</th>
<th>COST</th>
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<tr>
<td>Supervisor Labor</td>
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<td>$1,980</td>
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</table>

*per estimate from PlantWise. Burn every three years so cost spread across years
NATIVE PLANTS TO LOOK FOR:

- Prairie Cord Grass (Spartina pectinata)
- River Bulrush (Scirpus fluviatilis)
- Sneezeweed (Helenium autumnale)
- Soft-stem Bulrush (Scirpus validus)
- Swamp Milkweed (Asclepias incarnata)
- Switchgrass (Panicum virgatum)
- Torrey's Rush (Juncus torreyi)
- Virginia Wild Rye (Elymus virginicus)
- Wool Grass (Scirpus cyperinus)

UPLAND MIX:

- Arrow-leaved Aster (Aster sagittifolius)
- Big-leaved Aster (Aster macrophyllus)
- Black-Eyed Susan (Rudbeckia hirta)
- Blue-Stem Goldenrod (Solidago caesia)
- Bottlebrush Grass (Elymus hystrix)
- Brown-Eyed Susan (Rudbeckia fulgida)
- Calico Aster (Aster lateriflorus)
- Canada Wild Rye (Elymus canadensis)
- Columbine (Aquilegia canadensis)
- Culver's Physic (Veronicastrum virginicum)

- Elm-Leaved Goldenrod (Solidago ulmifolia)
- Golden Alexander (Zizia aurea)
- Hairy Beard Tounge (Penstemon digitalis)
- Hairy Mountain Mint (Pycnanthemum pilosum)
- Heart-leaved Aster (Aster cordifolius)
- Nodding Fescue (Festuca obtusa)
- Nodding Wild Onion (Allium cernuum)
- Purple Giant Hyssop (Agast. scrophulariaefolia)
- Sedge (Carex molesta)
- Sedge (Carex muhlenbergii)
- Short's Aster (Aster shortii)
- Silky Wild Rye (Elymus villosus)
- Tall Anemone (Anemone virginiana)
- Virginia Wild Rye (Elymus virginicus)
- Wild Geranium (Geranium maculatum)
- Wild Phlox (Phlox divaricata)
- Woodland Brome (Bromus pubescens)
- Wood Sedge (Carex rosea)
- Yellow Coneflower (Ratibida pinnata)
- Yellow Giant Hyssop (Agastache nepetoides)
- Zig-Zag Goldenrod (Solidago flexicaulis)

Acres: 0.35
SF: 15,436
West Park Central Pond

Approximate Address: 215 Chapin St.

Year Built: 2010
Designer: Beckett & Raeder / ECT
Aesthetic Level Required: High

DESCRIPTION:
The central pond is a favorite location for those passing through the park. The pond is estimated to be 1,322 CY and to have a depth of 2 feet. As sediment accumulates, the pond will need to be dredged. Stormwater runoff comes from overland flow.

MAINTENANCE NOTES:
Edges should be seeded regularly because of wear by passing vehicles and people.

<table>
<thead>
<tr>
<th>ACTIVITY</th>
<th>Monthly</th>
<th>Biannually</th>
<th>Annually</th>
<th>As Needed</th>
</tr>
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<tbody>
<tr>
<td>Remove Trash</td>
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<tr>
<td>Add/Divide Plants</td>
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<tr>
<td>Collect Seeds</td>
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Collect Seeds: fall

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<td>$204</td>
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Dredging cost pending
NATIVE PLANTS TO LOOK FOR:

**MESIC ZONE:**
- Awl-fruited Sedge (Carex stipata)
- Bebb’s Sedge (Carex bebbil)
- Blue Vervain (Verbena hastata)
- Common Arrowhead (Sagittaria latifolia)
- Common Boneset (Eupatorium perfoliatum)
- Common Water Plantain (Alisma subcordatum)
- Common Wood Sedge (Carex blanda)
- Dark Green Rush (Scirpus atrovirens)
- Ditch Stonecrop (Penthorum sedoides)
- Fox Sedge (Carex vulpinoidea)
- Giant Smartweed (Polygonum pensylvanicum)
- Great Blue Lobelia (Lobelia siphilitica)
- Green Coneflower (Rudbeckia laciniata)
- Knobbed Hop Sedge (Carex lupuliformis)

**AQUATIC ZONE:**
- Arrow Arum (Peltandra virginica)
- Blue Flag Iris (Iris versicolor)
- Burr-reed (Sparganium eurycaurum)
- Common Arrowhead (Sagittaria latifolia)
- Common Boneset (Eupatorium perfoliatum)
- Great Bulrush (Scirpus validus)
- Hardstem Bulrush (Schoenoplectus acutus)
- Pickerel Weed (Pontedaria cordata)
- River Bulrush (Scirpus fluviatilis)
- Swamp Milkweed (Asclepias incarnata)
- Swamp Loosestrife (Decodon verticillatus)
- Sweet Flag (Acorus calamus)
- Water Plantain (Alisma plantago-aquatica)
- White Water Lily (Nymphaea odorata)
- Yellow Water Lily (Nuphar variegata)

**MISSOURI:**
- Missouri Ironweed (Vernonia missurica)
- Monkeyflower (Mimulus ringens)
- New England Aster (Aster novae-angliae)
- Nodding Smartweed (Polygonum lapathifolium)
- Path Rush (Juncus tenuis)
- Pointed Broom Sedge (Carex scoparia)
- Prairie Cord Grass (Spartina pectinata)
- River Bulrush (Scirpus fluviatilis)
- Sneezeweed (Helenium autumnale)
- Soft-stem Bulrush (Scirpus validus)
- Swamp Milkweed (Asclepias incarnata)
- Switchgrass (Panicum virgatum)
- Torrey’s Rush (Juncus torreyi)
- Virginia Wild Rye (Elymus virginicus)
- Wool Grass (Scirpus cyperinus)
West Park Southeast Wetland
Approximate Address: 215 Chapin St.

Year Built: 2010
Designer: Beckett & Raeder / ECT
Aesthetic Level Required: Medium

DESCRIPTION:
This long swale often has ponding water but maintains a healthy amount of vegetation. Stormwater runoff comes from overland flow and from the pond’s overflow pipe. A controlled burn was conducted in the spring of 2016.

MAINTENANCE NOTES:
Burn and seed regularly, can have a natural look. Invasive species include Crown Vetch, Phragmites, Honeysuckle, Buckthorn, Chickory, Dames Rocket, Yellow Sweet Clover and Garlic Mustard. Woody stems exist in the eastern section.

<table>
<thead>
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<th>ACTIVITY</th>
<th>Monthly</th>
<th>Biannually</th>
<th>Annually</th>
<th>As Needed</th>
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<tr>
<td>Remove Trash</td>
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<tr>
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<tr>
<td>Controlled Burns</td>
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<tr>
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*per estimate from PlantWise. Burn every three years so cost spread across years.
NATIVE PLANTS TO LOOK FOR:

**PRAIRIE MOUNTAIN MIX:**
- Brunnera macrophylla
- Common Arrowhead
- Common Boneset
- Common Water Plantain
- Common Wood Sedge
- Dark Green Rush
- Ditch Stonecrop
- Fox Sedge
- Fowl Manna Grass
- Giant Smartweed
- Green Lobelia
- Green Coneflower
- Knobbed Hop Sedge
- Missouri Ironweed
- Moneywort
- New England Aster
- Nodding Smartweed
- Path Rush
- Pointed Broom Sedge
- Prairie Cord Grass
- River Bulrush
- Sneezeweed
- Soft-stem Bulrush
- Swamp Milkweed
- Switchgrass
- Torrey’s Rush
- Virginia Wild Rye
- Wool Grass

**UPLAND MIX:**
- Arrow-leaved Aster
- Big-leaved Aster
- Black-Eyed Susan
- Blue-Stem Goldenrod
- Bottlebrush Grass
- Brown-Eyed Susan
- Calico Aster
- Canada Wild Rye
- Columbine
- Culver’s Physic
- Elm-Leaved Goldenrod
- Golden Alexander
- Hairy Beard Tounge
- Hairy Mountain Mint
- Heart-leved Aster
- Nodding Fescue
- Nodding Wild Onion
- Purple Giant Hyssop
- Sedge
- Sedge
- Short’s Aster
- Silky Wild Rye
- Tall Anemone
- Virginia Wild Rye
- Wild Geranium
- Wild Phlox
- Woodland Brome
- Wood Sedge
- Yellow Coneflower
- Yellow Giant Hyssop
- Zig-Zag Goldenrod
West Park East Parking Swale
Approximate Address: 215 Chapin St.

Year Built: 2010
Designer: Beckett & Raeder / ECT
Aesthetic Level Required: Medium

DESCRIPTION:

Receiving water from the parking lot, this swale serves an important purpose of cleaning water before it enters the stormdrain. Cat-tails dominate this area. A controlled burn was conducted in the spring of 2016.

MAINTENANCE NOTES:

Burn regularly and seed. Regularly remove trash. Sediment accumulates quickly because of parking lot. Catalpa saplings are present near outlet.

<table>
<thead>
<tr>
<th>ACTIVITY</th>
<th>Monthly</th>
<th>Biannually</th>
<th>Annually</th>
<th>As Needed</th>
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<tbody>
<tr>
<td>Remove Trash</td>
<td>X</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Remove Invasives</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Remove Sediment</td>
<td></td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Controlled Burns</td>
<td></td>
<td></td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Herbicide</td>
<td></td>
<td></td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Add/Divide Plants</td>
<td></td>
<td></td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Collect Seeds</td>
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YEARLY ESTIMATE

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<tr>
<th>ACTIVITY</th>
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<th>COST</th>
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<td>Supervisor Labor</td>
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<td>Volunteer Labor</td>
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<tr>
<td>Equipment</td>
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<td>$87</td>
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<tr>
<td>Controlled Burns*</td>
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<td>Herbicide</td>
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<td>$115</td>
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<tr>
<td>Contingency (10%)</td>
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<tr>
<td>SUM</td>
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<td>$1,085</td>
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*per estimate from PlantWise. Burn every three years so cost spread across years

June 2014
NATIVE PLANTS TO LOOK FOR:

**SITe PLAN**

**West Park East Parking Swale**

**Site Plan**

- Prairie Cord Grass (Spartina pectinata)
- River Bulrush (Scirpus fluitans)
- Sneezeweed (Helenium autumnale)
- Soft-stem Bulrush (Scirpus validus)
- Swamp Milkweed (Asclepias incarnata)
- Switchgrass (Panicum virgatum)
- Torrey’s Rush (Juncus torreyi)
- Virginia Wild Rye (Elymus virginicus)
- Wool Grass (Scirpus cyperinus)

**UPLAND MIX**

- Arrow-leaved Aster (Aster sagittifolius)
- Big-leaved Aster (Aster macrophyllus)
- Black-Eyed Susan (Rudbeckia hirta)
- Blue-Stem Goldenrod (Solidago caesia)
- Bottlebrush Grass (Elymus hystrix)
- Brown-Eyed Susan (Rudbeckia triloba)
- Calico Aster (Aster laterifolius)
- Canada Wild Rye (Elymus canadensis)
- Cumbine (Aquilegia canadensis)
- Culver’s Physic (Veronicastrum virginicum)
- Elm-Leaved Goldenrod (Solidago ulmifolia)
- Golden Alexander (Zizia aurea)
- Hairy Beard Tounge (Penstemon digitalis)
- Hairy Mountain Mint (Pycnanthemum pilosum)
- Heart-leaved Aster (Aster cordifolius)
- Nodding Fescue (Festuca obtusa)
- Nodding Wild Onion (Allium cernuum)
- Purple Giant Hyssop (Agast. scabulifolia)
- Sedge (Carex molesta)
- Sedge (Carex muhlenbergii)
- Short’s Aster (Aster shortii)
- Silky Wild Rye (Elymus villosus)
- Tall Anemone (Anemone virginiana)
- Virginia Wild Rye (Elymus virginicus)
- Wild Geranium (Geranium maculatum)
- Wild Phlox (Phlox divaricata)
- Woodland Brome (Bromus pubescens)
- Wood Sedge (Carex rosea)
- Yellow Coneflower (Ratibida pinnata)
- Yellow Giant Hyssop (Agastache nepetaeidae)
- Zig-Zag Goldenrod (Solidago flexicaulis)

**SITE PLAN**

**West Park East Parking Swale**

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