Veterans Memorial Park
Skatepark Rain Gardens
Approximate Address: 2150 Jackson Rd.

Year Built: 2014
Designer: Charles H. Strawter Design, Inc.
Aesthetic Level Required: High

DESCRIPTION:
Large formal rain garden designed to capture run-off from the adjacent concrete skate park. Consists of multiple basins tiered to slow stormwater. A controlled burn was conducted in the spring of 2017 by PlantWise.

MAINTENANCE NOTES:
Cut standing dead yearly for a neater look. Vegetation near the inlet was slow to germinate and may need to be replaced in future years. Trash accumulates quickly. Currently few invasive species in area.

<table>
<thead>
<tr>
<th>ACTIVITY</th>
<th>Monthly</th>
<th>Biannually</th>
<th>Annually</th>
<th>As Needed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Remove Trash</td>
<td>X</td>
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<tr>
<td>Remove Invasives</td>
<td>X</td>
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<tr>
<td>Remove Sediment</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Controlled Burns</td>
<td></td>
<td>X</td>
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<tr>
<td>Herbicide</td>
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<td>X</td>
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<tr>
<td>Add/Divide Plants</td>
<td></td>
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<td></td>
<td>X</td>
</tr>
<tr>
<td>Collect Seeds</td>
<td></td>
<td></td>
<td></td>
<td>late summer &amp; fall</td>
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<table>
<thead>
<tr>
<th>YEARLY ESTIMATE</th>
<th>HOURS</th>
<th>COST</th>
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<tr>
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<td><strong>SUM</strong></td>
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<td><strong>$2,310</strong></td>
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</table>

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

Perennials:

- Arrow Arum (Peltandra virginica)
- Bebb's Sedge (Carex bebbi)
- Black-eyed Susan (Rudbeckia hirta)
- Blue Flag Iris (Iris virginica)
- Blue Vervain (Verbena hastata)
- Boneset (Eupatorium perfoliatum)
- Bottlebrush Sedge (Carex lurida)
- Brown Fox Sedge (Carex vulpenoidea)
- Butterfly Milkweed (Asclepias tuberosa)
- Buttonbush (Cephalanthus occidentalis)
- Cardinal Flower (Lobelia cardinalis)
- Common Arrowhead (Sagittaria latifolia)
- Common Bur Reed (Sparganium eurycarpum)
- Common Cinquefoil (Potentilla simplex)
- Common Water Horehound (Lycopus americanus)
- Dark Green Rush (Scirpus atrovirens)
- Great Bullrush (Scirpus validus)
- Hoary Vervain (Verbena stricta)
- Little Bluestem (Schizachyrium scoparium)
- Pickerel Weed (Pontederia cordata)
- Rough Blazing Star (Liatris aspera)
- Showy Goldenrod (Solidago speciosa)
- Sneezeweed (Helenium autumnale)
- Spotted Joe-Pye Weed (Eupatorium maculatum)
- Stiff Goldenrod (Solidago rigida)
- Swamp Milkweed (Asclepias incarnate)
- Sweet Flag (Acorus calamus)
- Water Plantain (Alisma spp.)
- Wild Columbine (Aquilegia canadensis)
- Wild Strawberry (Fragaria virginiana)
Veterans Memorial Park:
Ice Arena East Rain Garden
Approximate Address: 2150 Jackson Rd.

Year Built: 2011
Designer: InSite Design Studio, Inc.
Aesthetic Level Required: High

DESCRIPTION:
This large rain garden replaced a paved area. It receives runoff from sidewalks and the roof of the ice arena building. A controlled burn was conducted in the spring of 2016. The garden was replanted with short plants and trees in the fall of 2016 for a simpler aesthetic.

MAINTENANCE NOTES:
Cut down standing dead between late fall and early spring. Invasives include Phragmites, Canada Thistle, Curly Dock and common yard weeds like Plantain and Dandelion.

ACTIVITY | Monthly | Biannually | Annually | As Needed
--- | --- | --- | --- | ---
Remove Trash | X | | | |
Remove Invasives | X | | | |
Remove Sediment | | | X | |
Controlled Burns | | | X | |
Herbicide | | X | | |
Add/Divide Plants | | | | X
Collect Seeds | | | | fall

YEARNALY ESTIMATE | HOURS | COST
--- | --- | ---
Supervisor Labor | 31 | $1,244
Volunteer Labor | 145 | $2,900
Equipment | | $165
Controlled Burns* | | $67
Herbicide | 0.25 | $9
Contingency (10%) | | $459
SUM | | $4,844

*per estimate from PlantWise. Burn every three years so cost spread across years
Veterans Memorial Park: Ice Arena East Rain Garden

Site Plan

NATIVE PLANTS TO LOOK FOR:

Perennials:
- Blue Flag Iris (*Iris virginica*)
- Canada Anemone (*Anemone canadensis*)
- Fox Sedge (*Carex vulpinoidea*)
- Sensitive Fern (*Onoclea sensibilis*)
- Wild Strawberry (*Fragaria virginiana*)

Shrubs and Trees:
- Redbud (*Cercis canadensis*)
- Sycamore (*Platanus occidentalis*)

Acres: 0.09
SF: 4,000
Veterans Memorial Park: 
Zamboni Rain Garden
Approximate Address: 2150 Jackson Rd.

Year Built: 2008
Designer: Conservation Design Forum
Aesthetic Level Required: Medium

DESCRIPTION:

West of the ice arena, this rain garden receives runoff from the parking lot. Often ice from the Zamboni is dropped uphill of the rain garden and melts into the garden. As one of Ann Arbor’s older rain gardens, there are many well established plants growing. A controlled burn was conducted in the spring of 2016.

MAINTENANCE NOTES:

Native seeds can be collected from this site. The inlets need to regularly be maintained. Cut down standing dead in late fall because vegetation is very tall. Invasives include Field Bindweed, Canada Thistle, Curly Dock, Burdock and Buckthorn. Communicate with mowers to mow upland areas.

### ACTIVITY

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<thead>
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<th>Monthly</th>
<th>Biannually</th>
<th>Annually</th>
<th>As Needed</th>
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<tbody>
<tr>
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<tr>
<td>Remove Invasives</td>
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<tr>
<td>Controlled Burns</td>
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<td>Herbicide</td>
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<tr>
<td>Add/Divide Plants</td>
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<tr>
<td>Collect Seeds</td>
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<td>fall</td>
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### YEARLY ESTIMATE

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<tr>
<th></th>
<th>HOURS</th>
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<td>Supervisor Labor</td>
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<tr>
<td>Equipment</td>
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<tr>
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<td>Herbicide</td>
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<tr>
<td>Contingency (10%)</td>
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<td>$1,635</td>
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</tbody>
</table>

*per estimate from PlantWise. Burn every three years so cost spread across years.
Veterans Memorial Park: Zamboni Rain Garden

Site Plan

NATIVE PLANTS TO LOOK FOR:

- Beardtongue (Penstemon digitalis)
- Beebalm (Monarda fistulosa)
- Blue Flag Iris (Iris virginica)
- Blue Vervain (Verbena hastata)
- Canada Anemone (Anemone canadensis)
- Canada Wild Rye (Elymus canadensis)
- Early Goldenrod (Solidago juncea)
- Fox Sedge (Carex vulpinoidea)
- Green Bulrush (Scirpus atrovirens)
- Green-Headed Coneflower (Rudbeckia laciniata)
- Hoary Vervain (Verbena stricta)
- Indian Grass (Sorghastrum nutans)
- Joe-Pye Weed (Eupatorium purpureum)
- Little Bluestem (Schizachyrium scoparium)
- Missouri Ironweed (Vernonia missurica)
- Mountain Mint (Pycnanthemum tenuifolium)
- New England Aster (Aster novae-angliae)
- Nodding Bulrush (Scirpus pendulus)
- Prairie Dock (Silphium terebinthinaceum)
- Riddell’s Goldenrod (Solidago riddellii)
- Rough Blazing Star (Liatris aspera)
- Swamp Goldenrod (Solidago patula)
- Sweet Flag (Acorus calamus)
- Switch Grass (Panicum virgatum)
- Thimbleweed (Anemone virginiana)
- Tussock Sedge (Carex stricta)
- Woolgrass (Scirpus cyperinus)
- Yellow Coneflower (Ratibida pinnata)

Acres: 0.1
SF: 4,570
Veterans Memorial Park
Dexter Ave Rain Garden
Approximate Address: 2150 Jackson Rd.

Year Built: 2012
Designer: Susan Bryan & Chris Carson, City of Ann Arbor
Aesthetic Level Required: Medium

DESCRIPTION:
South of the softball parking lot, this rain garden receives water piped from Dexter Road. A large stormwater inlet at the northwest corner was engineered to send overflow water directly into the stormwater system, which means that the rain garden won’t overflow. The rain garden has tiered sections with reinforced rock steps. A controlled burn was conducted in the spring of 2016 by PlantWise.

MAINTENANCE NOTES:
This rain garden is dominated by invasives like Canada Thistle and Phragmites. This garden should be replanted.

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

**Perennials:**
- Big Bluestem (*Andropogon gerardii*)
- Blue Flag Iris (*Iris virginica*)
- Canada Anemone (*Anemone canadensis*)
- Common Cinquefoil (*Potentilla simplex*)
- Fox Sedge (*Carex vulpinoidea*)
- Golden Alexanders (*Zizia aurea*)
- Green-Headed Coneflower (*Rudbeckia laciniata*)
- Indian Grass (*Sorghastrum nutans*)
- Muskingum Sedge (*Carex muskingumensis*)
- Prairie Dock (*Silphium terebinthinaceum*)
- Prairie Dropseed (*Sporobolus heterolepis*)
- Riddell’s Goldenrod (*Solidago riddellii*)
- Swamp Buttercup (*Ranunculus hispidus*)
- Swamp Milkweed (*Asclepias incarnata*)
- Switch Grass (*Panicum virgatum*)

**Tall Coreopsis** (*Coreopsis tripteris*)
**Wild Strawberry** (*Fragaria virginiana*)

**Shrubs and Trees:**
- Bur Oak (*Quercus macrocarpa*)
- Swamp White Oak (*Quercus bicolor*)
Veterans Memorial Park
North Parking Bioswale
Approximate Address: 2150 Jackson Rd.

Year Built: 2012
Designer: Susan Bryan & Chris Carson, City of Ann Arbor
Aesthetic Level Required: Medium

DESCRIPTION:
Located in the center of the parking lot off of Dexter Road, this bioswale receives water from the surrounding lot. Few of the original plugs survived which allowed invasives to dominate. A controlled burn was conducted in the spring of 2016.

MAINTENANCE NOTES:
Dominated by invasives, this garden should be re-planted. When burned, it should be done two years in a row to remove Crown Vetch. Invasives include Canada Thistle, Bittercress and Phragmites, Field Bindweed, Yellow Sweet Clover and Reed Canary Grass.

<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>
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<tr>
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<td>Controlled Burns</td>
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<td>Herbicide</td>
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<tr>
<td>Add/Divide Plants</td>
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<tr>
<td>Collect Seeds</td>
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<tr>
<th>YEARLY ESTIMATE</th>
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*per estimate from PlantWise. Burn every three years so cost spread across years.
NATIVE PLANTS TO LOOK FOR:

Perennials:
- Blue Flag Iris (*Iris virginica*)
- Common Cinquefoil (*Potentilla simplex*)
- Prairie Dock (*Silphium terebinthinaceum*)
- Purple Love Grass (*Eragrostis spectabilis*)
- Swamp Milkweed (*Asclepias incarnata*)
- Switch Grass (*Panicum virgatum*)
- Wild Strawberry (*Fragaria virginiana*)

Shrubs and Trees:
- Bur Oak (*Quercus macrocarpa*)