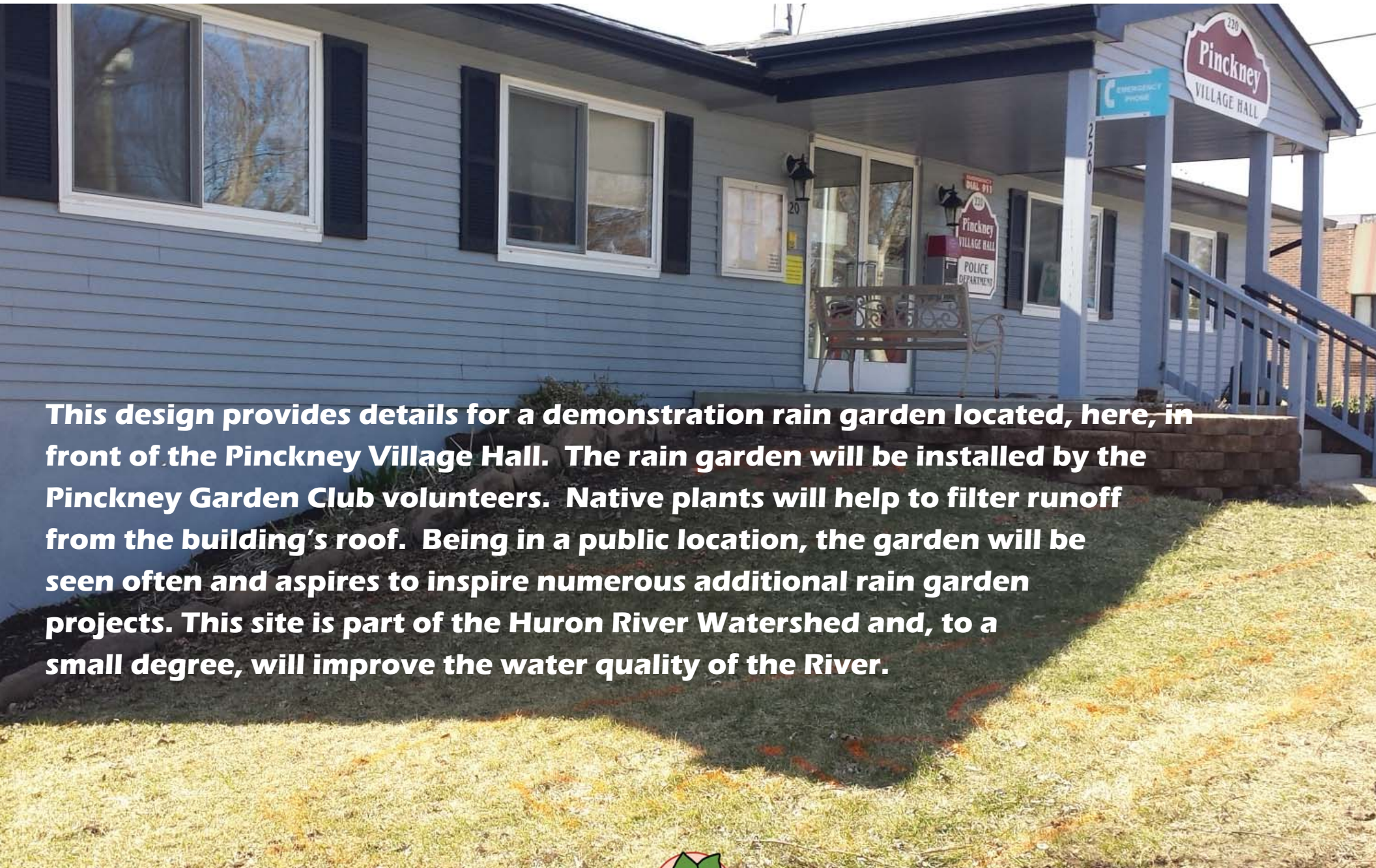


Pinckney Village Hall Demonstration Rain Garden



This design provides details for a demonstration rain garden located, here, in front of the Pinckney Village Hall. The rain garden will be installed by the Pinckney Garden Club volunteers. Native plants will help to filter runoff from the building's roof. Being in a public location, the garden will be seen often and aspires to inspire numerous additional rain garden projects. This site is part of the Huron River Watershed and, to a small degree, will improve the water quality of the River.

Photo of Existing Landscape



Pinckney Village Hall Demonstration Rain Garden

In the existing situation, water from the roof flows through the gutters, directly to the parking lot, which flows to a drainage manhole with an outlet directly to the nearby stream

Roof of Building
contributing ~750 square feet of roof runoff

Modify gutters along this roof edge to drain to Rain Barrel

Rain Barrel
for watering

Overflow
to piping

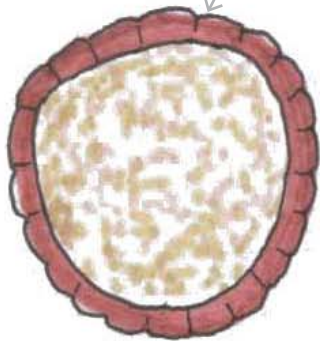
Parking Lot

Retaining Wall around Existing Tree
rebuild if resources available

Retaining Walls

Overflow
to Lawn

Piping
buried underground



Grass Lawn

Berm
Berm
Berm

Lower Pool

Berm

Upper Pool

Berm

Overflow
between pools

Pipe Outlet
source of water

Sidewalk

Sign Location
for Demonstration Rain Garden

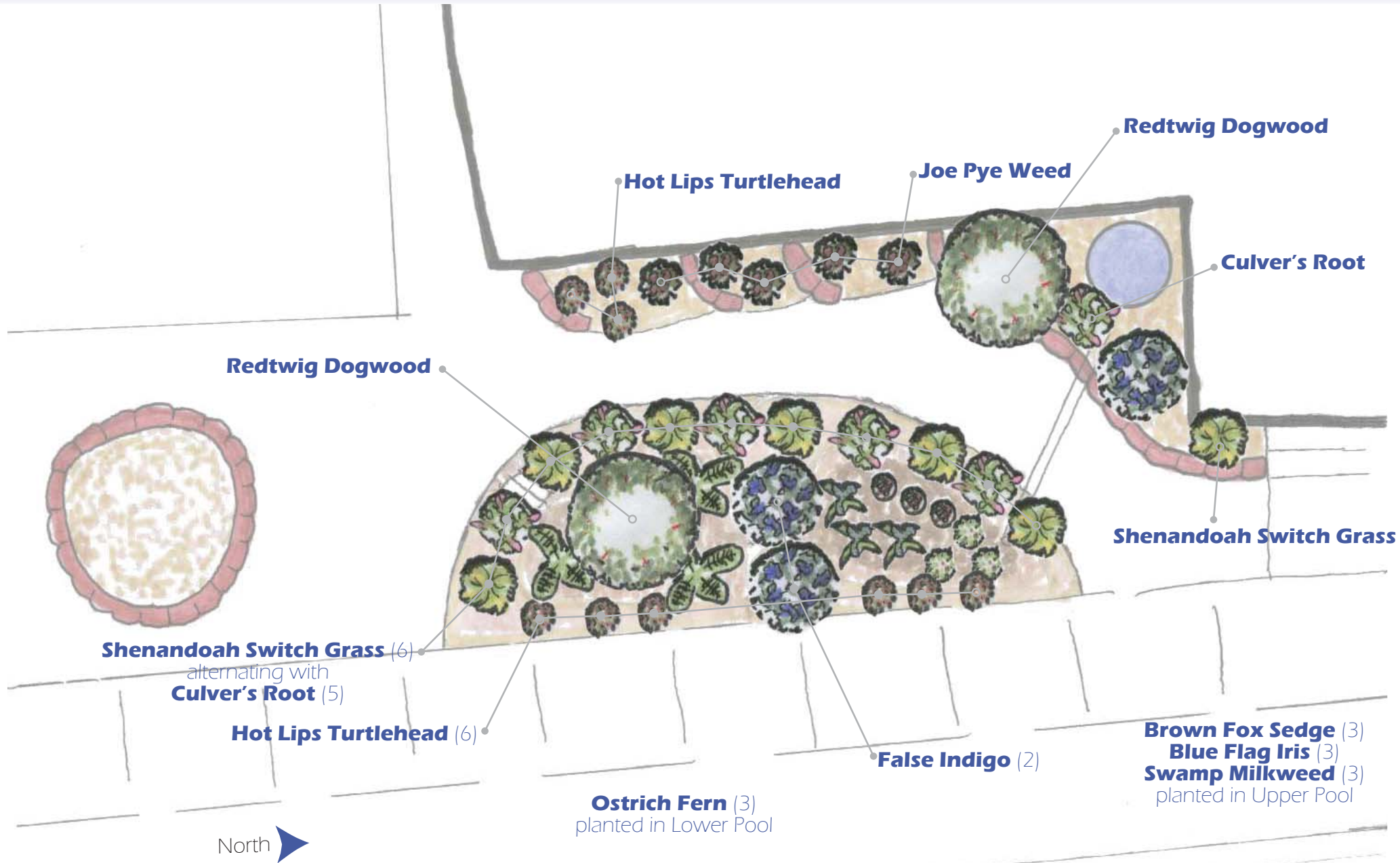
North

Scale is approximately 5 feet to 1 inch, though drawing should not be considered to scale.

South Howell Street



Pinckney Village Hall Demonstration Rain Garden



Scale is approximately 5 feet to 1 inch, though drawing should not be considered to scale.

Planting Plan



Pinckney Village Hall Demonstration Rain Garden

common name	botanical name	how many	description
Wild Strawberry	<i>Fragaria virginiana</i>	flat	ground cover for sunny spots, blooms and produces strawberries, da! For berms
Common Cinquefoil	<i>Potentilla simplex</i>	flat	ground cover for less sunny dry spots, for berms
Redtwig Dogwood	<i>Cornus sericea</i>	2	winter interest, bottom of pool
Shenandoah Switch Grass	<i>Panicum virgatum</i> 'Shenandoah'	7	winter interest, rear garden berm
Blue Flag Iris	<i>Iris virginiana</i>	3	Spring bloom, bottom of pool
Ostrich Fern	<i>Matteuccia struthiopteris</i>	3	texture in lower bottom of pool
False Indigo	<i>Baptisia australis</i>	3	June bloom
Hot Lips Turtlehead	<i>Chelone lyonii</i> 'Hot Lips'	9	Fall bloom
Joe Pye Weed	<i>Eupatorium maculatum</i>	5	Late Summer bloom
Culver's Root	<i>Veronicastrum virginicum</i>	6	Late Summer bloom
Swamp Milkweed	<i>Asclepias tuberosa</i>	3	upper pool, in back of Iris, July bloom
Brown Fox Sedge	<i>Carex vulpinoidea</i>	3	texture in upper pool
Anything else that is provided, we will find a spot to plant it!			

item description	amount	comment
gravel base material for rain barrel	4 cubic feet	24" Width by 24" Length by 12" Depth
gravel base material for upper retaining walls	35 cubic feet	12" Width by 35 feet Length by 12" Depth
gravel base material for tree retaining wall (?)	30 cubic feet	12" Width by 30 feet Length by 12" Depth
rain barrel	1	and associated materials
pvc piping		extending from rain barrel overflow to rain garden
compost material	1 cubic yard	...because that is the weight limit on my trailer.
overflow pavers	2 sets	
hardwood mulch	cubic yard	Delivery? I have wheelbarrows
sign	1	

