

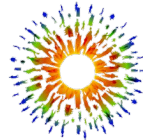
Detroit Green Stormwater Infrastructure Virtual Tour

December 1, 2022



SIERRA CLUB
MICHIGAN CHAPTER

**Friends
of
the ROUGE**



Fred A. and Barbara M.
Erb Family Foundation



NFWF

Presenters



Elayne Elliott

(She/Her)

Green Stormwater Community Organizer

elayne.elliott@sierraclub.org



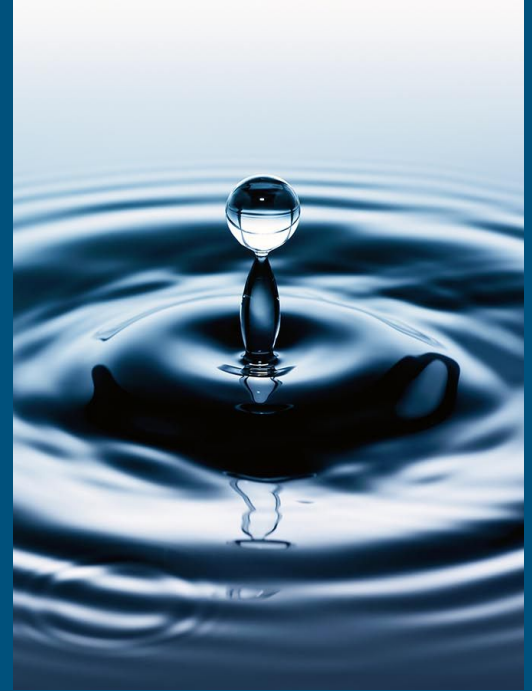
Jaclyn Heikkila

(She/Her)

Restoration Coordinator

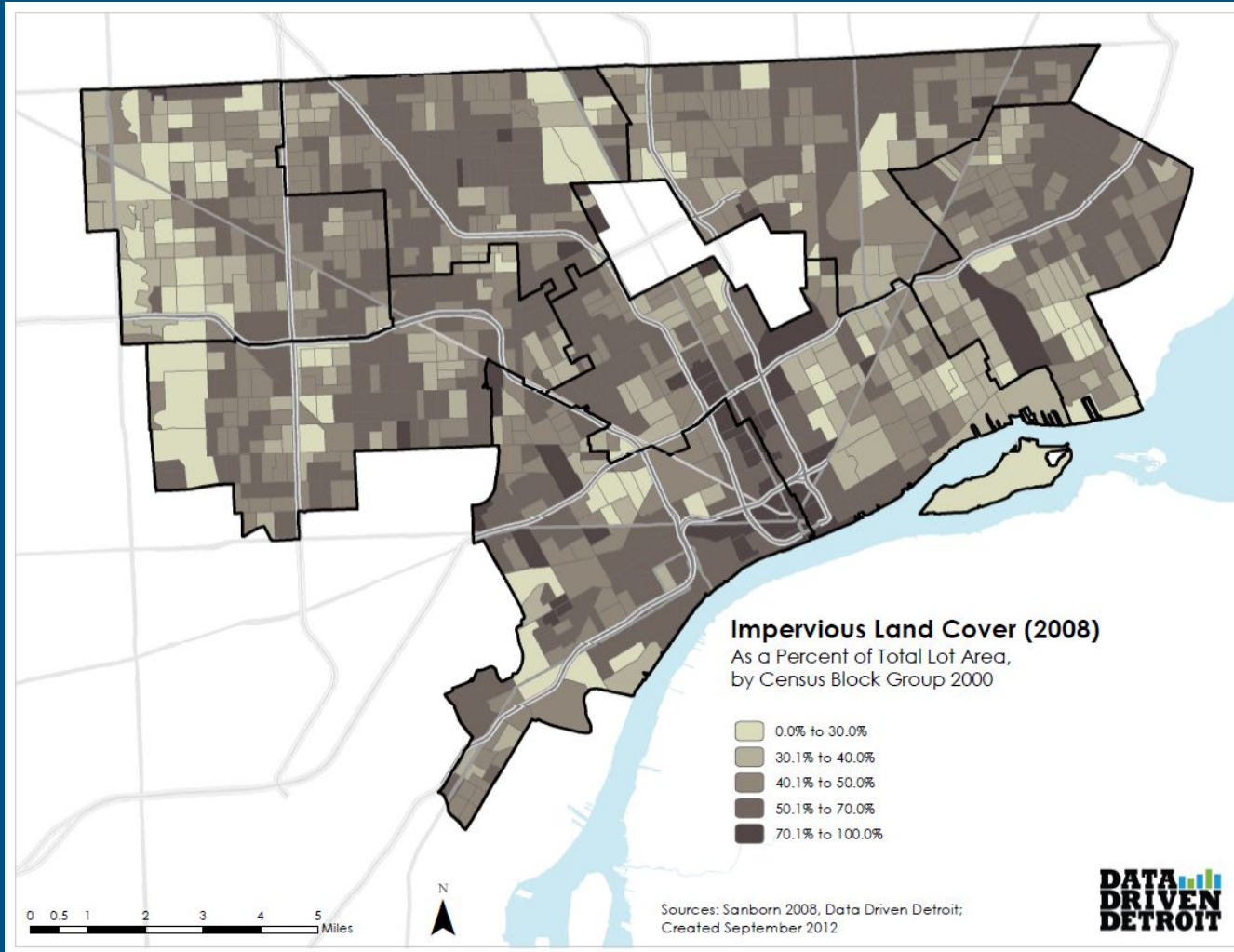
jheikkila@therouge.org

Our Watershed

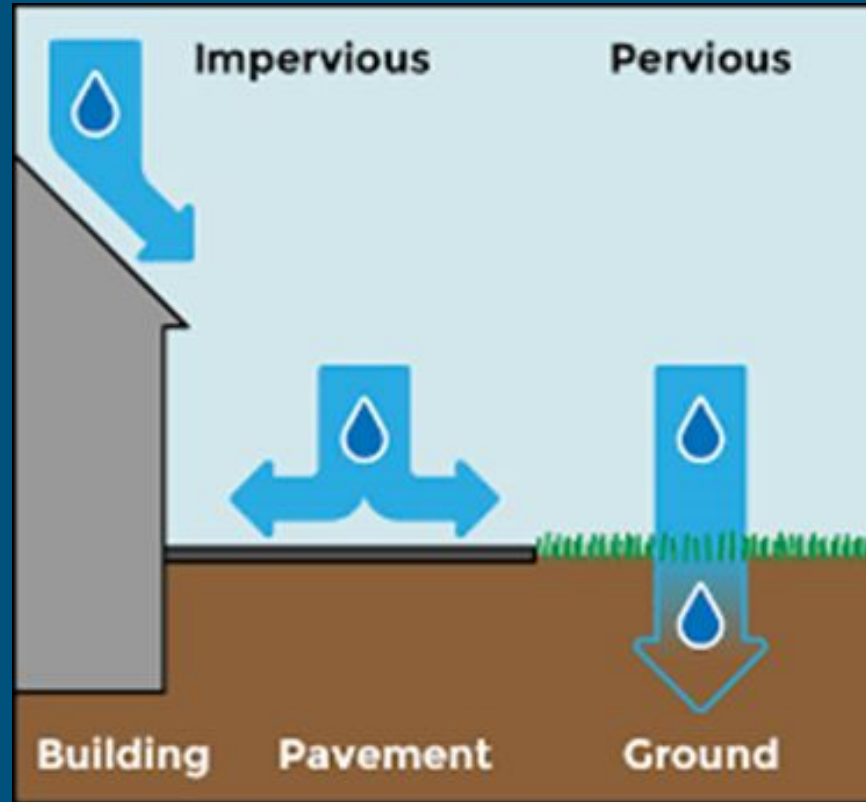




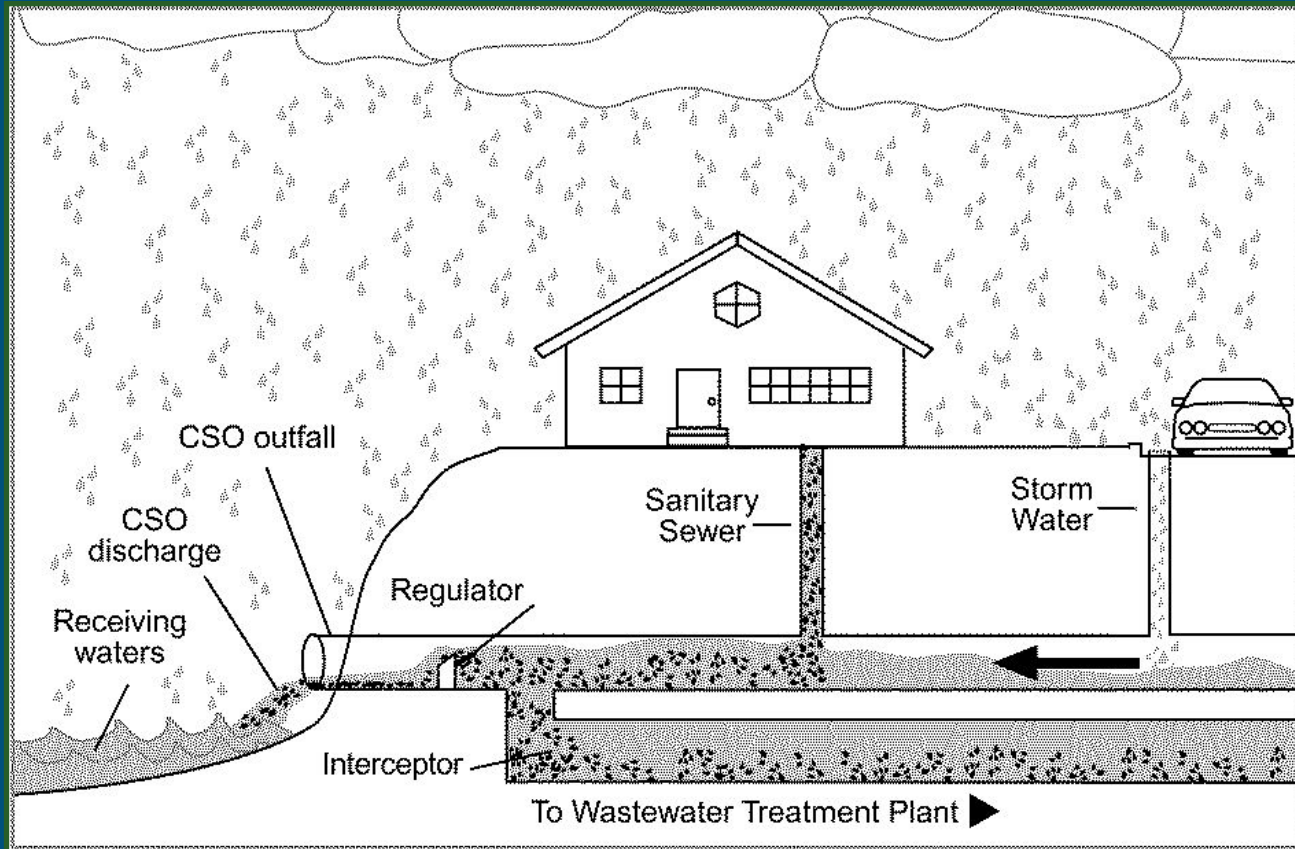
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Impervious
Surfaces
can lead to
Challenges

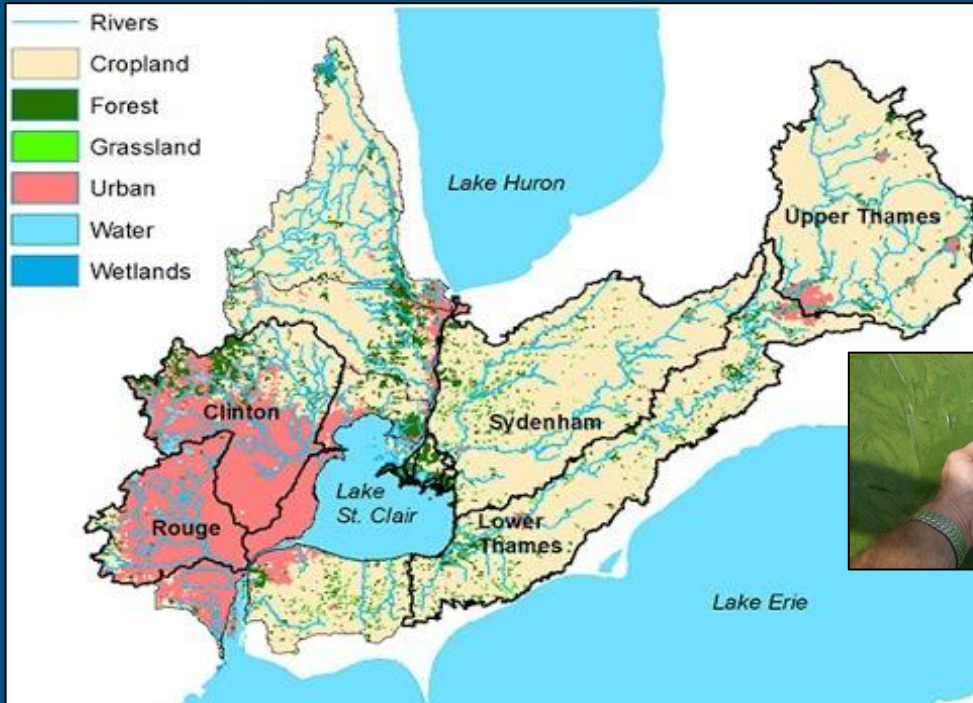


Pervious vs. Impervious Surfaces



Detroit's Combined Sewage Overflow System

Why do we care?



What is Green Stormwater Infrastructure?



Examples of GSI



Rain Garden

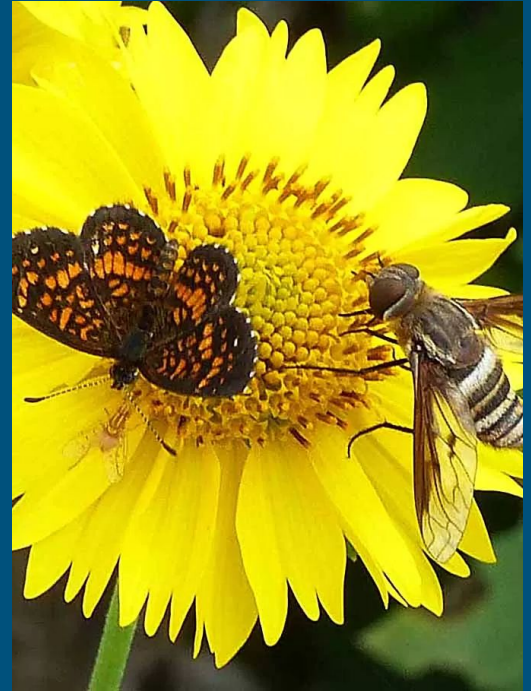


Downspout Disconnection



Bioretention in Parking Lots

Engaging Detroitans in GSI: Rain Gardens to the Rescue





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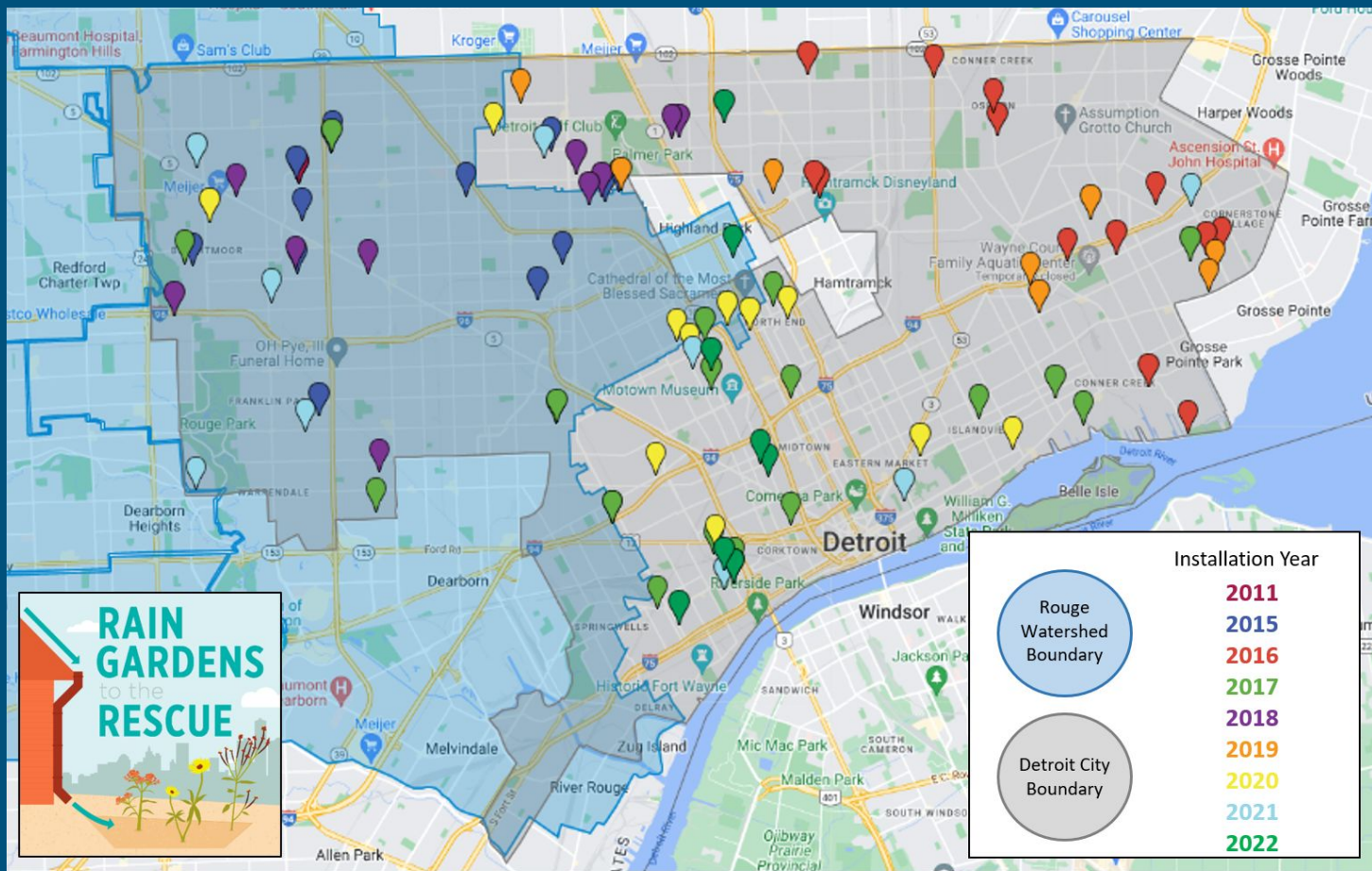


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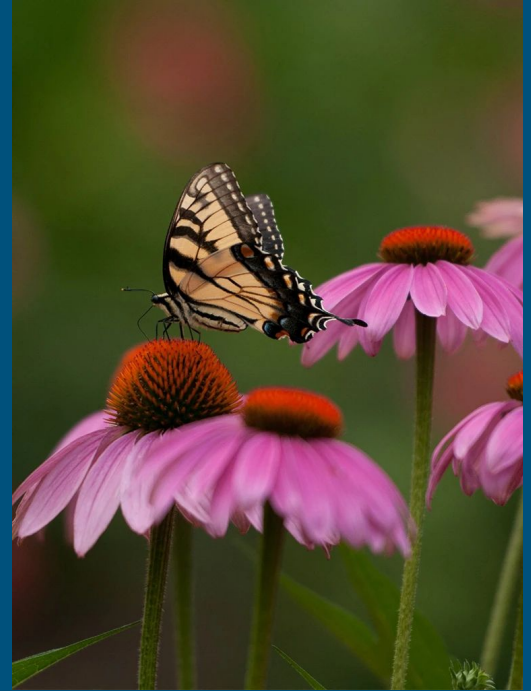


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Highlights from the 2022 Rain Gardens to the Rescue Program



2022 Rain Gardens to the Rescue Fact Sheet

- 9 total gardens installed
- Converted **1,300 sq. ft.** of lawn to native rain gardens
- Capturing water from **3,250 sq. ft.** of impervious surfaces
- Collectively, gardens will hold **5,700 gallons** of water each time it rains!
- Over **100 community members** engaged and educated about rain gardens



Before



After



"I have wanted a rain garden for 10 years and in June of this year, I was finally able to join Rain Gardens to the Rescue for a free 5-week class series in SW Detroit to learn more about rain gardens...I am grateful that I was able to receive assistance in installing my rain garden at home. I am excited to see my rain garden blooming for years to come."

- Angela Lugo-Thomas

*2022 RGttR Participant &
14-year member of KGD's Garden Resource Program*

Opportunities to Get Involved



Houses of Worship





**SACRED
GROUNDS®**





East Garden



West Garden

Gesu Catholic Church and School



Gesu Catholic Church and School

For more information on Sacred Grounds:

National Wildlife Foundation's Sacred Grounds program is accepting applications for Detroit houses of worship interested in rain gardens.

Contact: Tiffany Jones - JonesT@nwf.org

Website: www.nwf.org/sacredgrounds

2022 Rain Garden installed at Marygrove >



An In-Depth Look at GSI

Addressing Neighborhood Challenges



John's Garden (2021)



(2021) Look at all the
water on the road!



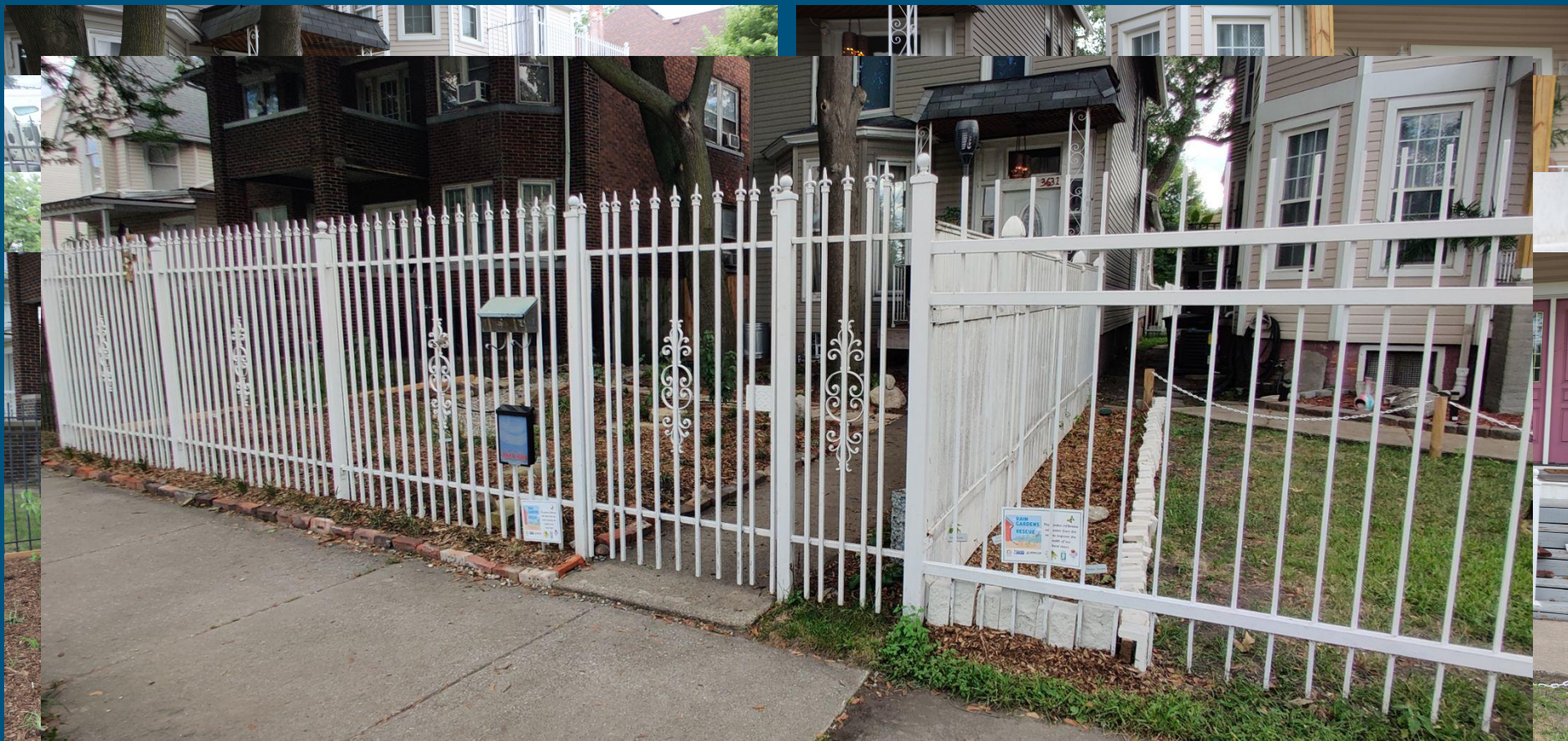
John's Garden Summer and Fall 2022



Dead plant stalks are great for overwintering insects!



Stormwater is not just your problem, it could also be your neighbor's!



BIG or small, Rain Gardens for ALL!

Community-Led GSI: LaNita's Memorial Park



LaNita's Memorial Park



^ Flooding on Hartford St

LaNita's Memorial Park





Save the Date: Ribbon Cutting Sat. April 22, 2023

Danny's Garden

- Installed in 2019





Loretta's Butterfly Garden

- Installed in 2019









Other GSI Projects in Detroit



Example: Green Roof



Project Details:

<https://detroitstormwater.org/projects/drainage-credit-project-75>

Charles H. Wright Museum of African American History



Image: <https://detroitstormwater.org/projects/chw-sankofa-porous-pavers-project>



Learn More about GSI
Project in Detroit on
the Detroit
Stormwater Hub!
detroitstormwater.org

Video Link: <https://vimeo.com/146943135>

Evergreen Rd Project



2023 Programming

Rain Gardens to the Rescue- therouge.org/rain-gardens-to-the-rescue

Garden Application available in March '23 - FREE, public learning course

Master Rain Gardener- therouge.org/master-rain-gardener

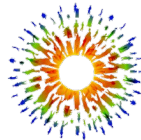
Registration open NOW - class starting in February '23

Questions?



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