## Co-designing Multifunctional Landscapes

Water Quality and Inequality Water@Mich 2018 Lightning Talk

Mark Lindquist, ASLA, PhD Michigan Stand Sustainability OF MICHIGAN Who am I?



Storm Water Retention Pond

### Why I do what I do



https://www.nbcnews.com/news/us-news/two-deaths-blamed-detroit-flooding-after-historie-storms-n179026





Midtown Detroit Inc. Green Alley Project https://www.patronicity.com/project/greenalley#!/



Water Quality and Inequality

What is one or more specific area of the subtheme I am interested in exploring?

Recognizing knowledge within the community

Capacity building that leverages community expertise

Equitable, transparent partnerships Co-designing multifunctional landscapes

## U3D-DSS: A Novel Decision Support System for Community Led Green Infrastructure Design

Mark Lindquist, Victoria Campbell-Arvai, Frank Deaton, Shannon Sylte, Evan Granito, Shruti Soni, Alec Foster

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#### Questions/discussion.....













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Screenshot - C

o est Av

To Gray and E. Forest

the town

To Philip and Chandler Park

Sunlight - 24

Chalmers

Screenshot - C

# **Next steps**

- Further testing and evaluation with the stakeholder groups for user experience and decision making
- Expand metrics and functionality based on different stakeholders (e.g. Engineers, Landscape Architects) and projects (e.g. Solar, Highway sound barriers)
- Interaction/gaming youth engagement in community design