

GreenUP

Keeping Up with the Thyme

Green Stormwater Infrastructure on Campus

Repair Reuse Reinvent

Water used for Irrigation on UP Campus

42.8 in/year

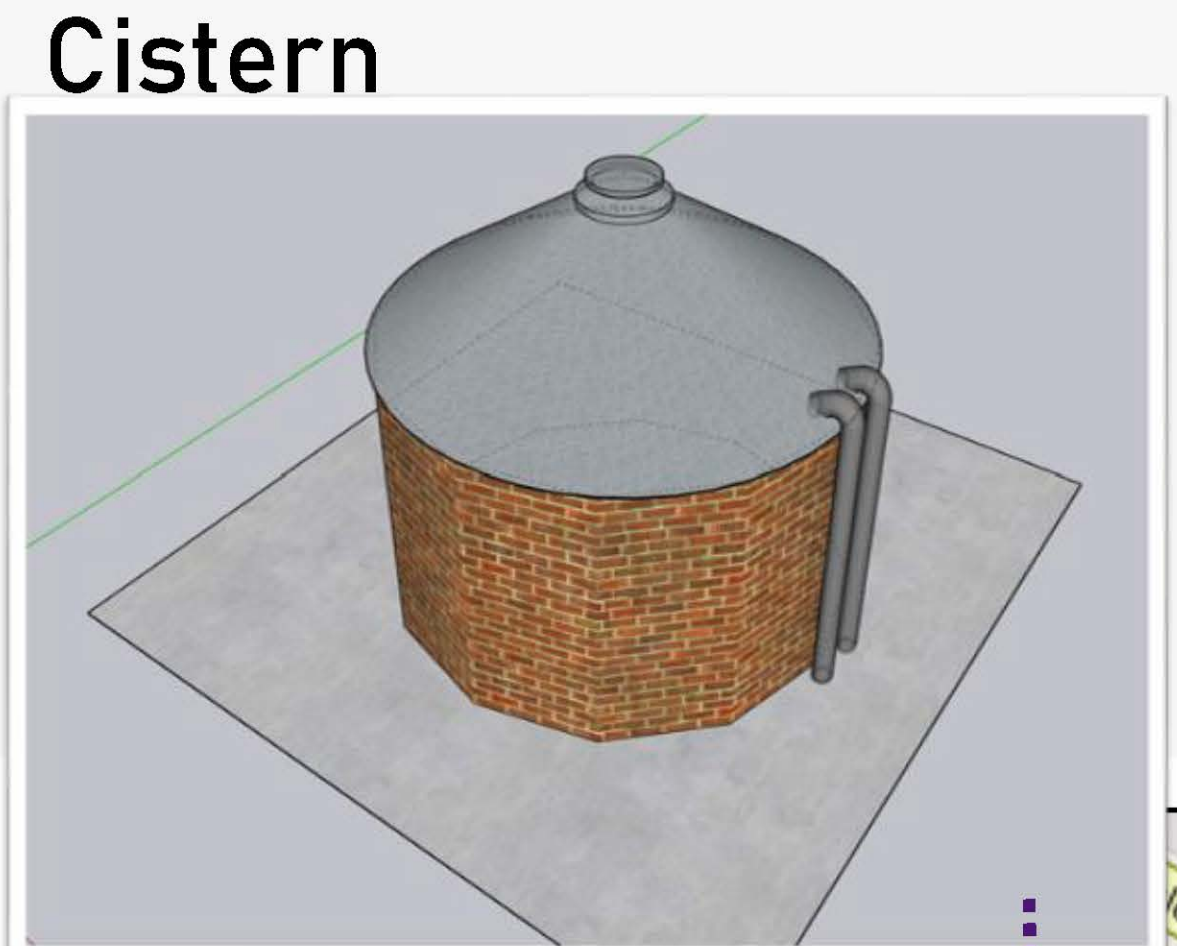
1,000,000 gallons/year

Precipitation in Portland, OR

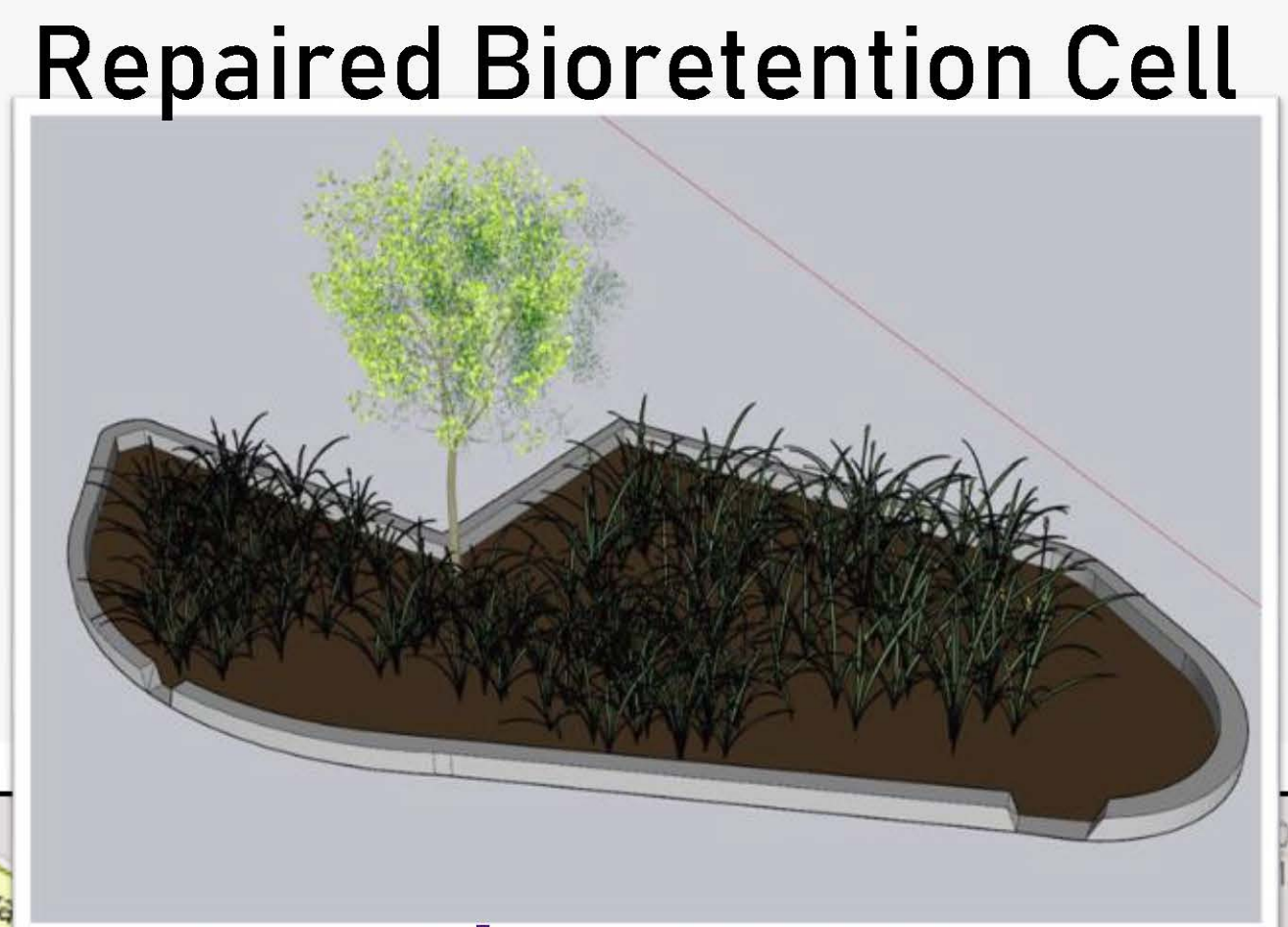
- Environmental Awareness
 - Community Engagement
 - Mental Health Focus
- Educate on Green Infrastructure**

Team M2

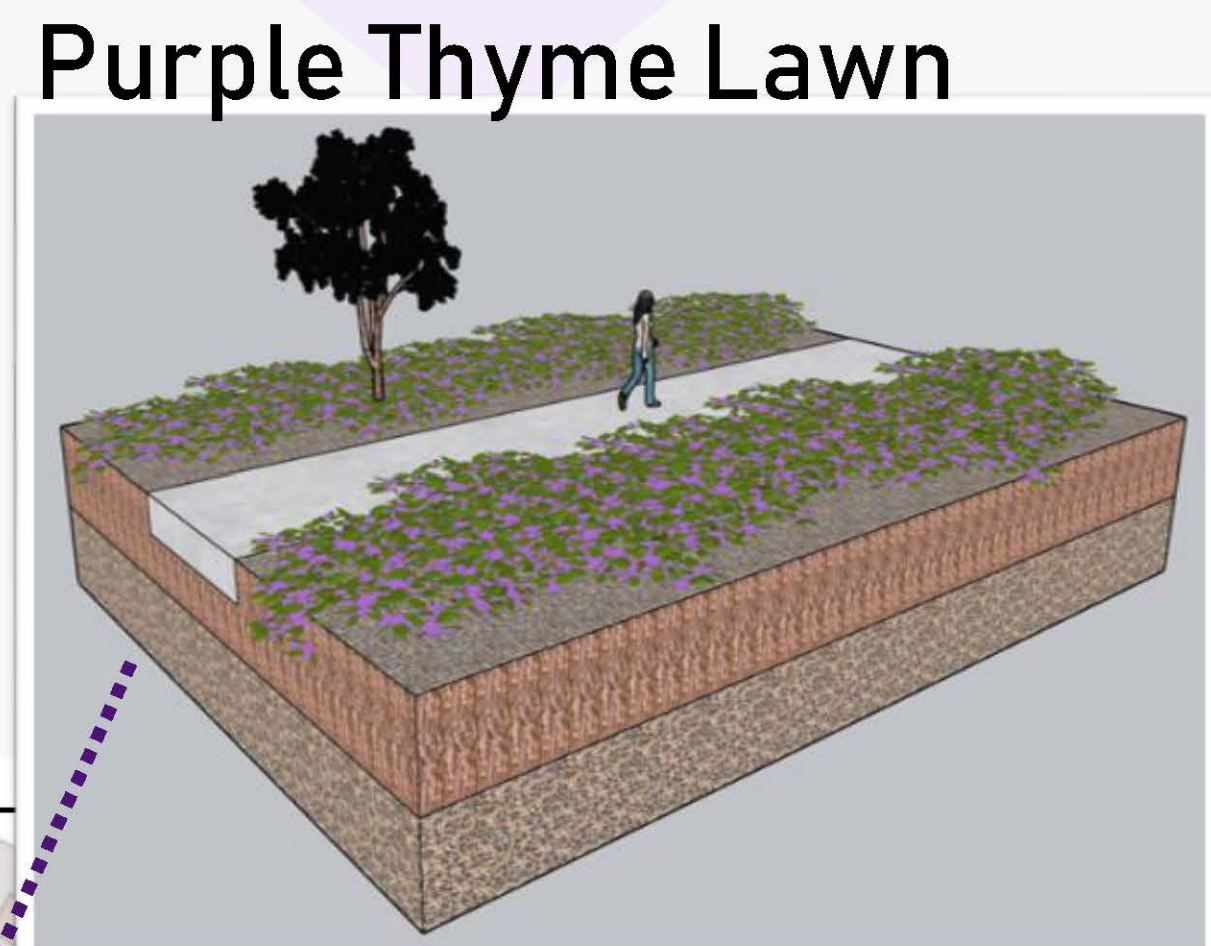
University of Portland 



Cistern



Repaired Bioretention Cell

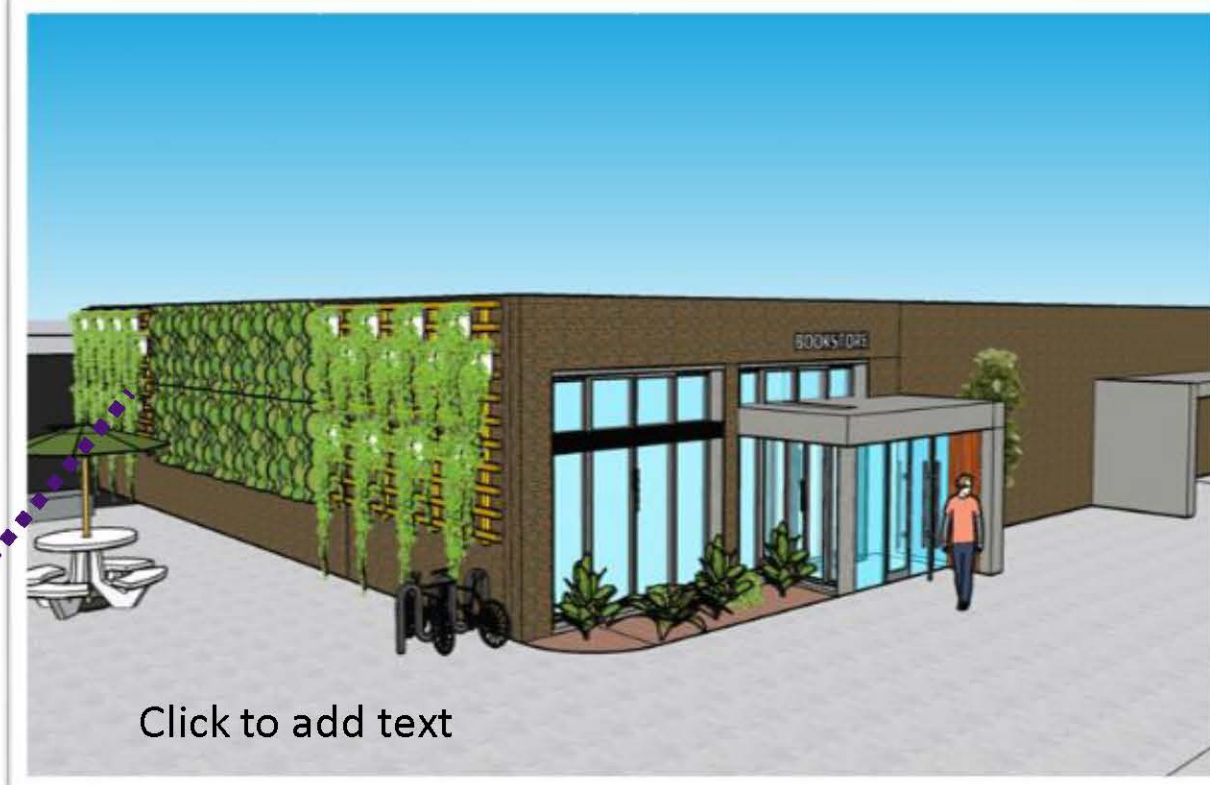


Purple Thyme Lawn

Purple Thyme Cover



- Same usability
- Reduces water requirements
- Reduce carbon emissions from mowing
- Reduces chemical pollution from fertilizers
- School Pride



Living Walls

Design Objectives

- **Capture** and reuse all stormwater on campus for irrigation
- **Revamp** some of the current green infrastructure we already have so it works more efficiently
- **Create** more space for students to focus on mental health through connectivity with nature/natural resources
- **Educate** the UP community on green infrastructure and stormwater management



Mental Health Haven

Reuse Stormwater

- 20,000 gallons capacity cistern
- UV disinfection station
- 50-hp centrifugal pump

- Quiet Space on Campus
- Wellness Classes and Events
- Rainwater relaxation

Focus on Mental Health

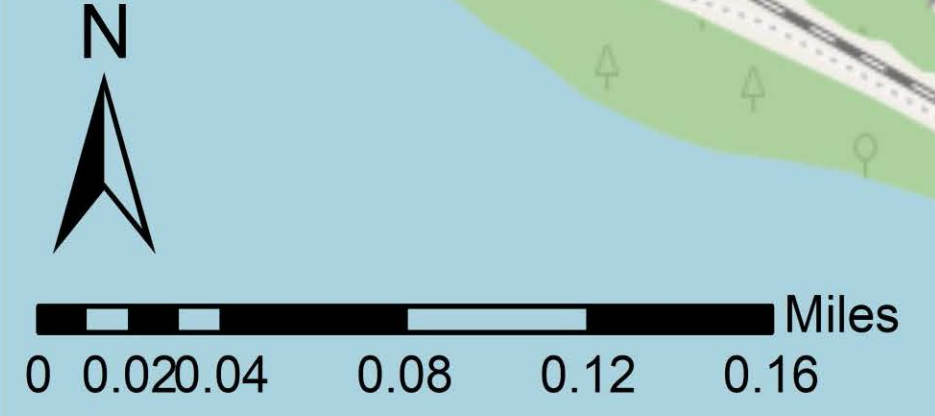
- **Living Walls**
- Captures rainfall
- Reduces heat island effect
- Thermal insulation



- Small Scale Living Wall
- Small Scale Bioretention Cells
- Rainwall
- Rain-powered Fountain

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PORTLAND PILOTS



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