Green Stormwater Infrastructure on Campus

42.8 in/year
Precipitation in Portland, OR

1,000,000 gallons/year
Water used for Irrigation on UP Campus

Environmental Awareness
Community Engagement
Mental Health Focus
Educate on Green Infrastructure

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

Team M2
University of Portland

Keeping Up with the Thyme
Cistern
Repaired Bioretention Cell
Purple Thyme Lawn

Design Objectives
• Capture and reuse all stormwater on campus for irrigation

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

Mental Health Haven
- Quiet Space on Campus
- Wellness Classes and Events
- Rainwater relaxation

• Reuse Stormwater

Legend
- Stormwater Line
- Irrigation Line
- Primary Catch Basins
- Secondary Catch Basins
- Public Street Catch Basins
- Stormwater Management

Living Walls
- Cistern
- Repaired Curb
- Mental Health Haven
- Thyme Lawns
- Masterplan Boundary

Purple Thyme Cover

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Portland Pilots

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