Implementing Rain Gardens for Stormwater Management and Community Engagement in New Braunfels

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7th Annual Stormwater Regional Conference

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Agenda

1 Introduction

2 Project Background

3 Design and Implementation

4 Community Engagement and Outreach

5 Future Phase

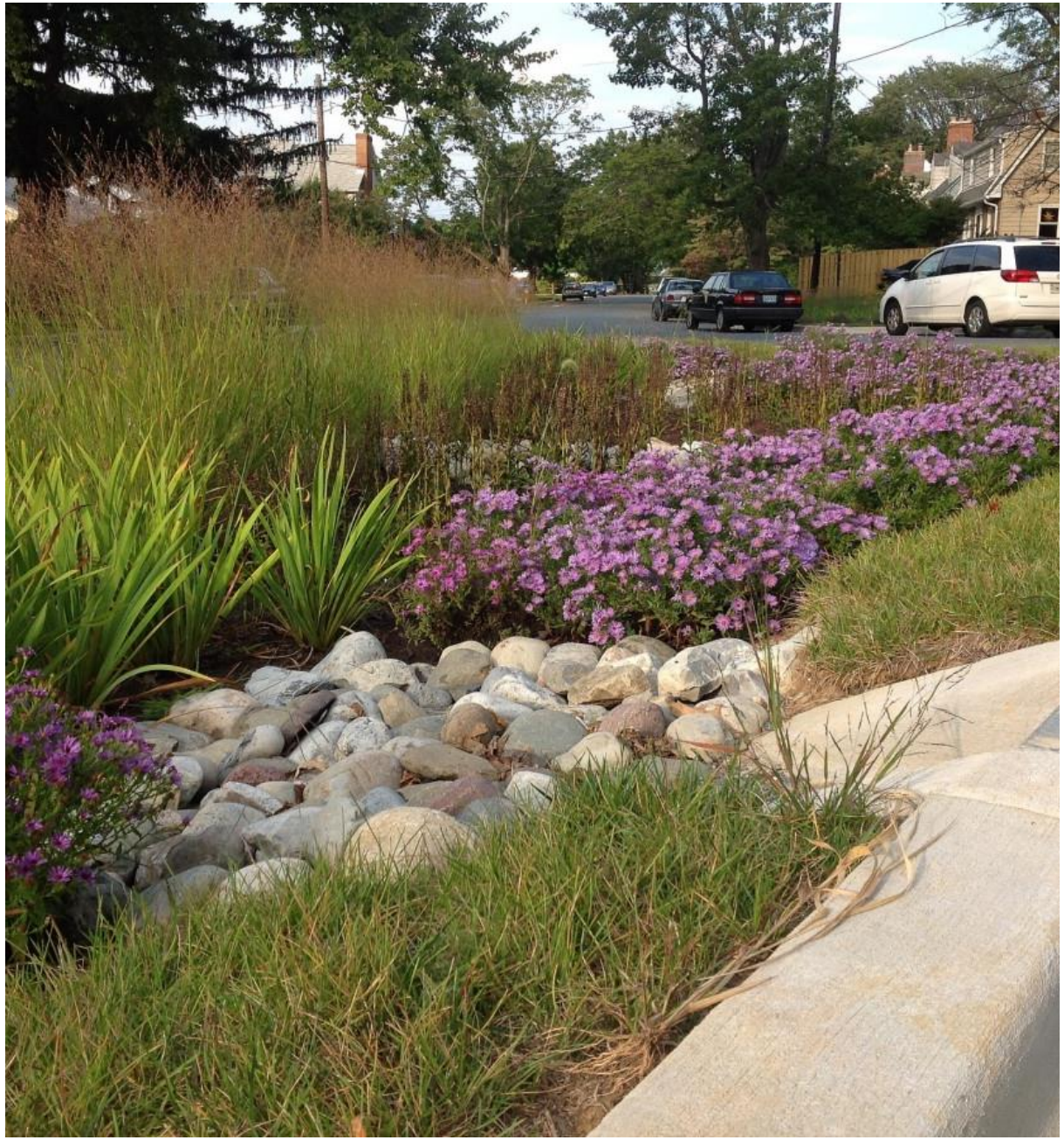
6 Discussion

01

Introduction

Transforming New Braunfels with Rain Gardens

- Urbanization
- Purpose
- Challenges



02

Project Background

Transforming Spaces through Design and Implementation

Engineering Team: Arcadis

Location: New Braunfels, Texas

Partners: Non-Profit & Local Environmental Conservation Organizations

Objectives

- Residential Development Site
- Do-it-Yourself Design
- User Friendly
- Integrate Native Vegetation

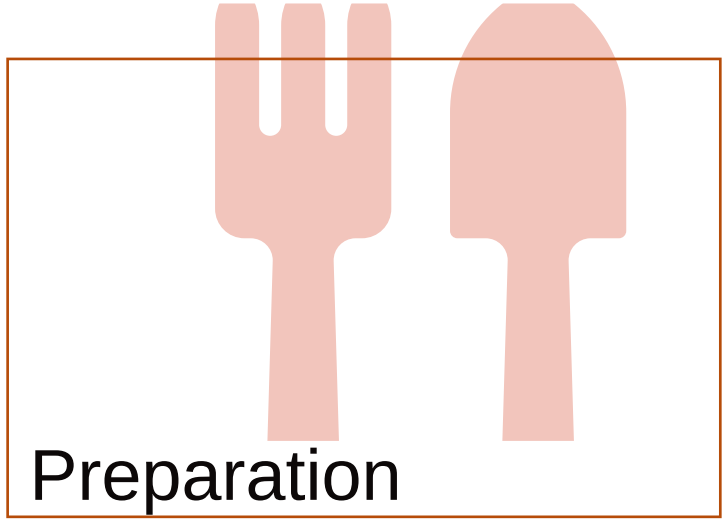
Goals

- Enhance Environment
- Community Outreach
- Sustainable Practices

03

Design and Implementation

Implementation



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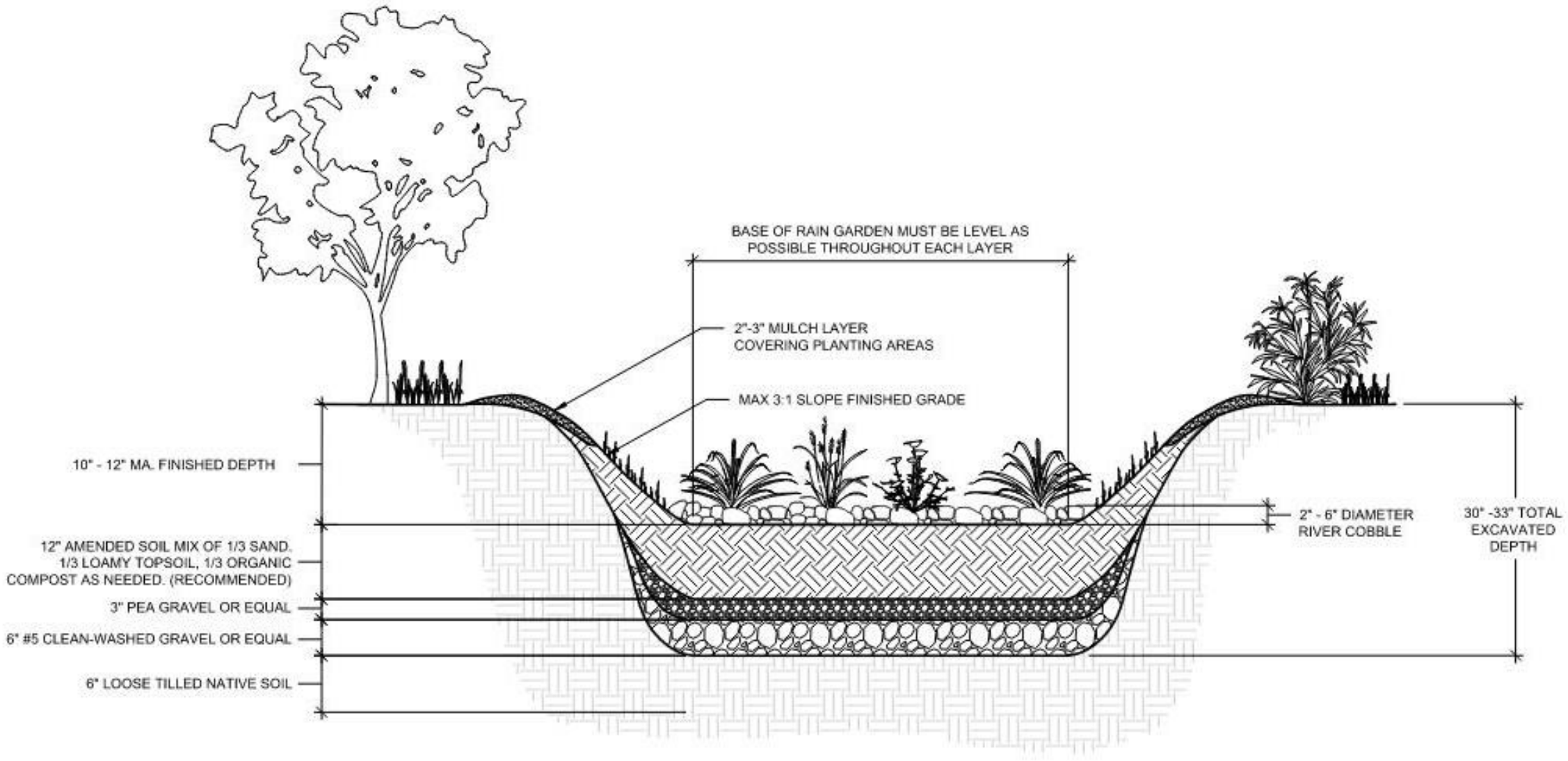
Community Engagement and Educational Outreach

Rain Garden Profile



Soil Infiltration Test (Coffee Can Method)

- Gather Materials
- Prepare Test Site
- Dig a Hole
- Place Coffee Can
- Pre-Soak Area
- Fill Can with Water
- Measure Water Level Drop

Procedures

Excavate

Amend

Plant

Mulch

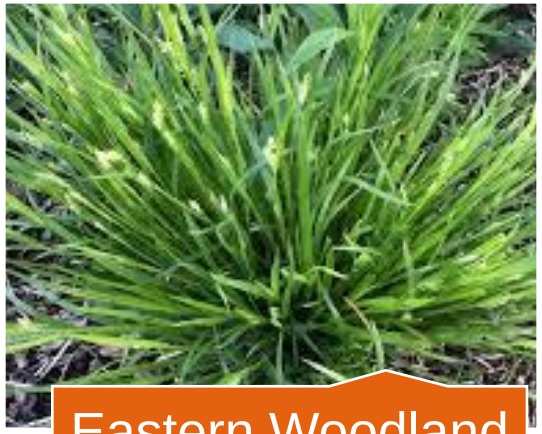
Maintenance

Plant Selection

Buffalo Grass

Frogfruit

Evening Rain Lilly

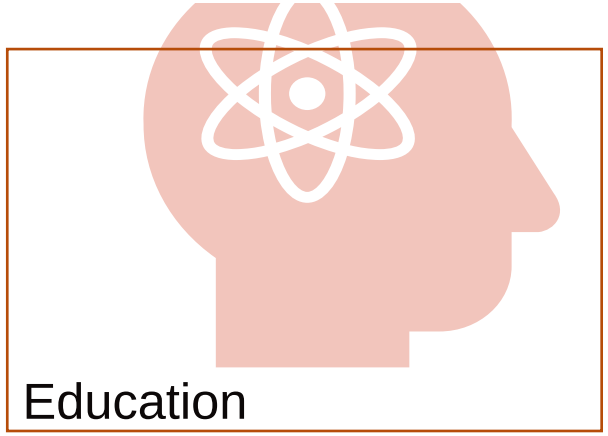


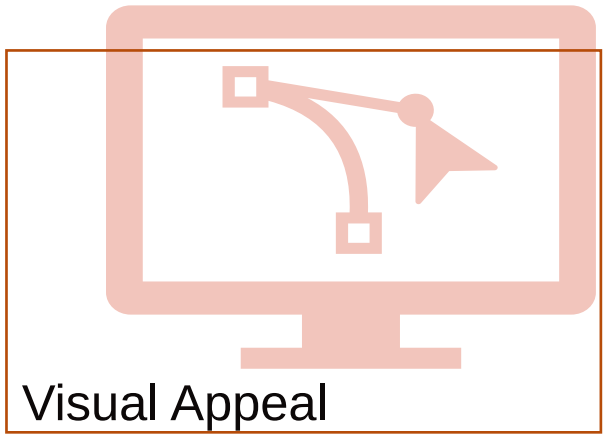
Eastern Woodland Sedge

Red Yucca

Corona de Cristo

Rain Garden Benefits





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Future Phase

Rain Garden Workshop Implementation

Volunteer Involvement

Engage Community

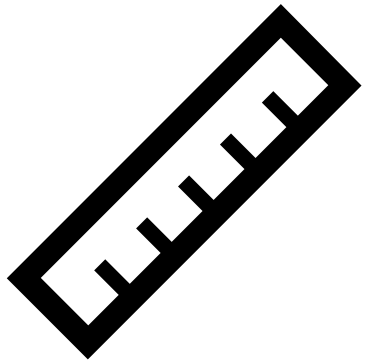
Low Impact Development Promotion

Environmental Awareness

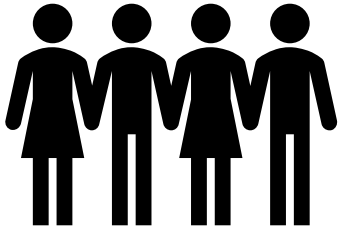
05

Discussion

Key Takeaways



Scalable Practices



Community Engagement

Environmental Benefit

Q & A

Contact us

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Ms. Martin serves as a Staff Water Engineer at Arcadis where she helps on public water, sewer, and stormwater design projects. She has worked with local, state, and federal agencies, using her extensive expertise to provide innovative solutions. She has a M.Env.E and a BS in Environmental Engineering from Texas Tech University.

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Thank You

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