Community Breakout Session

Green Infrastructure Summit | March 22nd, 2019 | 2:30pm
Agenda

Introductions (5 mins)
Presentations/Challenges (20 mins)
Solutions (20 mins)
Q&A and Closing Remarks (20 mins)
Introductions

Moderators
Ruben Chi Bertoni, ECOSS
Joycelyn Chui, ECOSS

Presenters
Dustin Atchison, Jacobs
Jake Harris, Stone Soup Gardens
Lauren Taylor, RainWise
Zsofia Pasztor, Farmer Frog
Sunset Area Stormwater Improvements

CONNECTING COMMUNITY USING STORMWATER AS A CATALYST

PRESENTED BY:
DUSTIN ATCHISON, PE
JACOBS

CO-AUTHORS:
HEBE BERNARDO, CITY OF RENTON
RON STRAKA, CITY OF RENTON
RAYMOND CHUNG, JACOBS
Begins with a Vision

Prior Attempts

1980s-1990s

2009 Sunset Area Community Investment Strategy

2011 Sunset Area Planned Action EIS & Surface Water Master Plan

2012 Ecology WQ Grants

2015 Harrington Green Connections Ph. 1

2016 Sunset Regional SW Facility

2018 Harrington Green Connections Ph. 2

2014 Highlands Library

2017 Sunset Terrace Park, Ph. 1
Summary of Co-Benefits to Recruit Funding

Sunset Area Community Revitalization

OVERVIEW

Spring 2013

Summary

The Sunset Area Community Revitalization Program will leverage public investment to catalyze private property development and create opportunities for market-rate and affordable housing, plus retail investment. Planned improvements will benefit the entire community:

- Complete Streets upgrades to NE Sunset Boulevard and other local streets (see book pages)
- Improvements to stormwater drainage systems
- New and rehabilitated parks and recreation facilities
- New public library
- New early childhood learning center
- Better connections to support services for public housing residents
- Sustainable infrastructure
- Bike and walking paths
- Sunset Terrace public housing will include new residential units with a mix of public, affordable, and market-rate homes
- Potential capacity for an additional 2,390 new dwelling units and 1.25 million square feet of commercial space in the 25-acre neighborhood over the next 20 years

Partnerships

We have formed public and private partnerships to generate investment in facilities and infrastructure that will support a vibrant and healthy community. Additional partnerships are desired.

City of Renton

1220 S. Holly Way
Renton, WA 98057

425.452.3665

Ch scrimger, U.S. Environmental Protection Agency
Existing Conditions
Sunset Terrace Park
Harrington Green Connections

• Integrated Improvements
  – LID Improvements for water quality
  – Pedestrian connections
  – Overlay
  – New waterline for fire flow
Key Challenges

• Building and packaging funding of multi-benefit projects in the community
• Aligning and integrating project schedules
• Maintaining community engagement without fatigue
GROWING COMMUNITIES

STONE SOUP GARDENS

Jake Harris

206-661-7628 • www.StoneSoupGardens.com • gardenergnome@gmail.com
WETMORE COMMUNITY FARM

ALLEYCAT ACRES
URBAN FARMING COLLECTIVE

SDOT
Seattle Department of Transportation

Seattle Department of Neighborhoods

Seattle Public Utilities
PARADISE PARKING PLOTS
Proposed Community Garden Plan

- **Paradise Parking Plots**
- **Existing ground water flows** to be directed into pond
- **Retention Pond** with drainage and overflow to existing storm drain
- **Honey Bees & Pollinator Garden**
- **Gutters to be filled with Hillside Church roof runoff**
- **Water Access from Hillside Church**
- **Demonstration Kitchen Garden to collect and filter parking lot runoff**
- **Cistern for watering East plots**
- **Gathering Seeds**
- **Informational signage**
- **Future path to Hazel Ave**
- **Overflow Pond / Rain Garden**
- **Elders** with irrigation channel from pond overflow
- **Rain Gardens** to be built around existing drains
- **Vegetative buffer to be expanded - hazelnuts, mulberries, etc.**
- **Walkway and surface water flow to be maintained**
- **Orchard/garden** with irrigation channel from pond overflow
- **Some parking to be retained** (42 spaces)

Concept Design - Stone Soup Gardens - Jake Harris and Marco Downs

Scale: 10’ 50’ 150’
Challenges
Community Collaboration through the RainWise Big Roof Program

Lauren Taylor, RainWise Outreach
Urban Systems Design
lauren.rainwise@gmail.com
The RainWise Program

• retrofit program shared by King County Wastewater Treatment Division and Seattle Public Utilities
• provide rebates for up to 100% of the costs to install rain gardens and/or cisterns on eligible properties
• includes homeowners and bigger roofs, such as places of worship, schools, restaurants and other community buildings
The Problem RainWise Solves

SEWER FLOW During Heavy Rain

To Treatment Plant

Sewage & Stormwater

Outfall pipe to waterway

Combined Sewer Overflow

rainwise.seattle.gov
RainWise Big Roof Program

- Over 40 projects to date
- Over 220,000 square feet of roof area managed
- Over 5 million gallons of rainwater potential diverted from the storm system
Community Benefits

- Over 40 projects to date
- Over 220,000 square feet of roof area managed
- Over 5 million gallons of rainwater potential diverted from the storm system
Highland Park United Methodist Church
Challenges
• Language barrier
• Rebate’s upfront costs
• Maintenance
• Funding for customer support
SWAMP CREEK
RAIN GARDENS

Sprouting Simple Change
Landowner Application & Agreement

EarthCorps and Farmer Frog have been selected to administer a Consent Decree settlement payment to resolve a Clean Water Act citizen lawsuit brought by the Sno-King Watershed Council et al. related to the Snohomish County Public Field Airport construction of a 5-acre parking lot without permits or code required water quality treatment. The payment of $325,000 is to be used for construction of residential rain garden water quality enhancement projects within the Swamp Creek Drainage Basin.

Farmer Frog and Tina Ryan (landowner) hereby agree to the following terms and conditions:

- Landowner hereby agrees to legal ownership of property.
- Landowner must agree to maintain the rain gardens for a minimum of 5 years.
- To qualify for settlement money, the property must be located within the Swamp Creek drainage basin (see attached maps).
- Farmer Frog will make the final determination if the project site qualifies under this program.
- Rain garden construction will be performed by Farmer Frog.

Property Location:

Legal Land Owner(s): John and Christina Ryan  Address: 17230 17th Dr NE
City: Bothell  Zip Code: 98012  Phone No.: 206.799.8775
Parcel No.: 007207000000311

If you have questions, please contact Zoelee Proctor CFP or Farmer Frog Zoelee@farmerfrog.org or Derek Hansel PE at Snohomish Conservation District (425) 377-7612

Landowner: [Signature]
Date: 8/8/2017

Farmer Frog: [Signature]
Date: [ ]

Lower Swamp Creek
<table>
<thead>
<tr>
<th>Zone</th>
<th>Plant</th>
<th>Variety</th>
<th>Qty</th>
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<tbody>
<tr>
<td>1</td>
<td>Cappuccino Sedge</td>
<td>Carex tenuiculmis</td>
<td>15</td>
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<tr>
<td></td>
<td>Golden Sedge</td>
<td>Carex elata 'Bowles Golden'</td>
<td>5</td>
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<tr>
<td>2</td>
<td>Autumn Joy</td>
<td>Sedum spectabile 'Autumn Joy'</td>
<td>5</td>
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<tr>
<td></td>
<td>Salal</td>
<td>Gaultheria shallon</td>
<td>E 5</td>
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<tr>
<td></td>
<td>Autumn Fern</td>
<td>Dryopteris erythrosora 'Brilliance'</td>
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<tr>
<td>3</td>
<td>Blue Fescus</td>
<td>Festuca glauca</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Avens - orange</td>
<td>Geum coccineum 'Koi'</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Black-eyed Susan</td>
<td>Rudbeckia fulgida 'Goldsturm'</td>
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<tr>
<td></td>
<td>Azela - white</td>
<td>Rhododendron 'Gardenia'</td>
<td>E</td>
</tr>
</tbody>
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Total # plants: 59
This letter is to acknowledge that Farmer Frog provided a Maintenance Handbook to the new Rain Garden owner at the below listed property. The rain garden installation is complete and no further work is necessary. The project was completed to full satisfaction.

Farmer Frog
www.farmerfrog.org

Sylvia Bechtel
Zoëlla Pastor, Executive Director
475 C116-5541
zoet@farmerfrog.org

Farmer Frog EIN: 20-2112628
Foundation for Sustainable Community

Address of the completed rain garden installation:

Name of the property owner: Debra Cook

Signature of the property owner:

Date: 12/11/17
Challenges
Based on the challenges you heard from each project, what are some possible solutions?
Q&A

Moderators
Ruben Chi Bertoni, ECOSS
Joycelyn Chui, ECOSS

Presenters
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Resources for Working with GSI & Communities in Puget Sound

bit.ly/GSI_Community