

STORMWATER OPEN HOUSE

City of Sammamish
July 27, 2016

Open House Objectives

Overview, status, and next steps:

- Storm and Surface Water Management Comprehensive Plan Update
- Low Impact Development Code Review and Update
- Surface Water Design Manual Update



Open House Objectives continued

Solicit Public Comments and Feedback

- What did we miss on the Comprehensive Plan?
- What approaches should we use to implement Low Impact Development principles?
- What further clarification would be helpful in the Design Manual update?



Open House Agenda

Presentation at 4pm and repeated at 6pm

Exhibits with Additional Information:

1. Storm and Surface Water Management Comprehensive Plan Update
2. Low Impact Development Code Review and Update
3. Surface Water Design Manual Update

Visit Kokanee Challenge Booth!





Storm and Surface Water Management Comprehensive Plan *Overview*

What is a Storm and Surface Water Management Comprehensive Plan?

Describes how the City manages storm and surface water

Sets program goals, objectives, and actions

Why does it need to be updated?

- Changes since the last Comprehensive Plan
- Set framework for future budgeting needs

Storm and Surface Water Management Comprehensive Plan *Overview continued*



pop. ~ 60K

\$4.5M program budget

I NPDES Phase II
MS4 permit

40 inches of
rain/year

185 miles of
stormwater pipe

14 sub-basins

>800 acres of wetlands

30 miles of
streams

\$214 annual
charge per
residential parcel

4 kokanee spawning streams

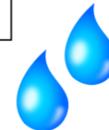


>100 customer
inquiries per year

>400 PUBLICALLY-
OWNED STORMWATER
FACILITIES

3 large lakes

102 private stormwater
facilities



Storm and Surface Water Management Comprehensive Plan *Status*

- We are mid-way through
- The Planning Commission has provided us feedback on the Draft Plan
- We need your public feedback!!!



What goals, objectives, and actions did we miss???



Storm and Surface Water Management Comprehensive Plan

Next Steps

- Incorporate Public Comment into Draft Plan
- Meet with City Council:
 - September 6, 2016 – Planning Commission Hand Off
 - September 13, 2016 – Work Session
 - September 20, 2016 – 1st Reading, Public Hearing
 - October 4, 2016 – 2nd Reading, Council Adoption



Low Impact Development (LID) Code Review and Update

Overview

What is this project?

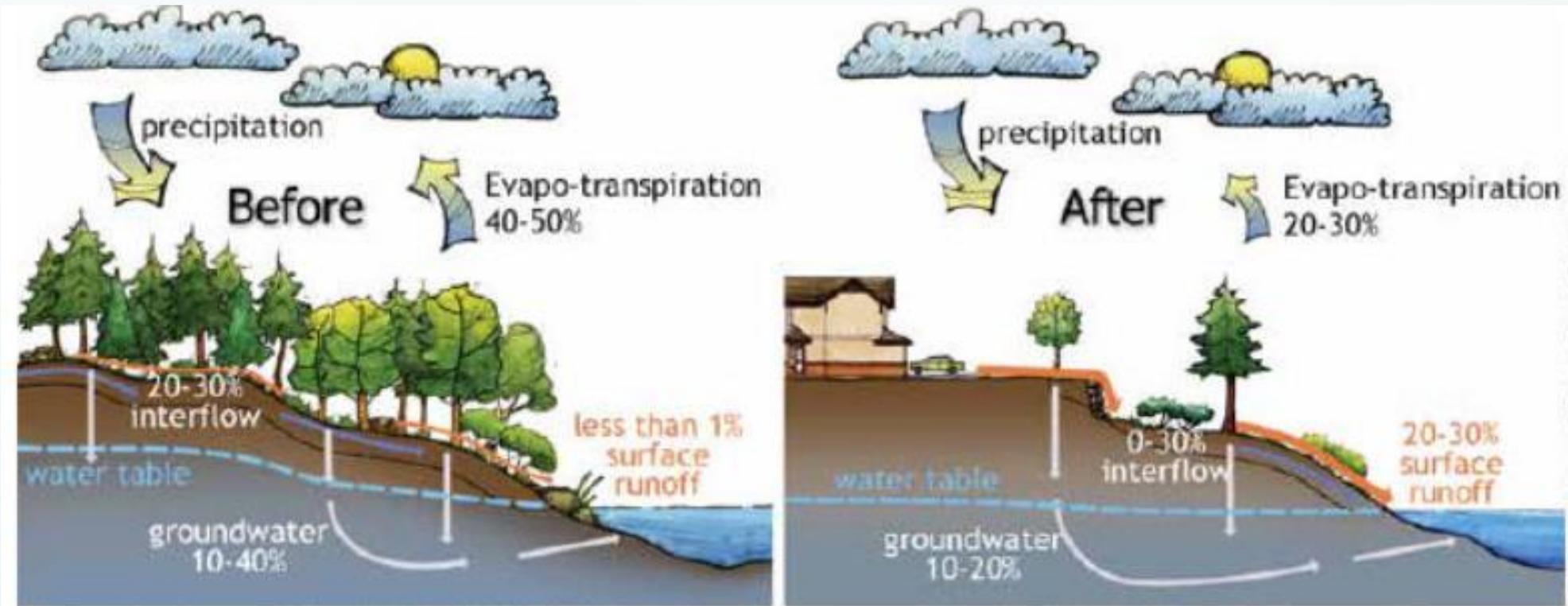
Review and amend existing City regulations to implement Low Impact Development principles in all projects:

- SMC 16 Building and Construction
- SMC 21A Development Code
- SMC 21B Town Center Development Code

What is Low Impact Development?

Principles and practices that mimic natural hydrologic processes

Hydrologic Processes



Natural

Developed

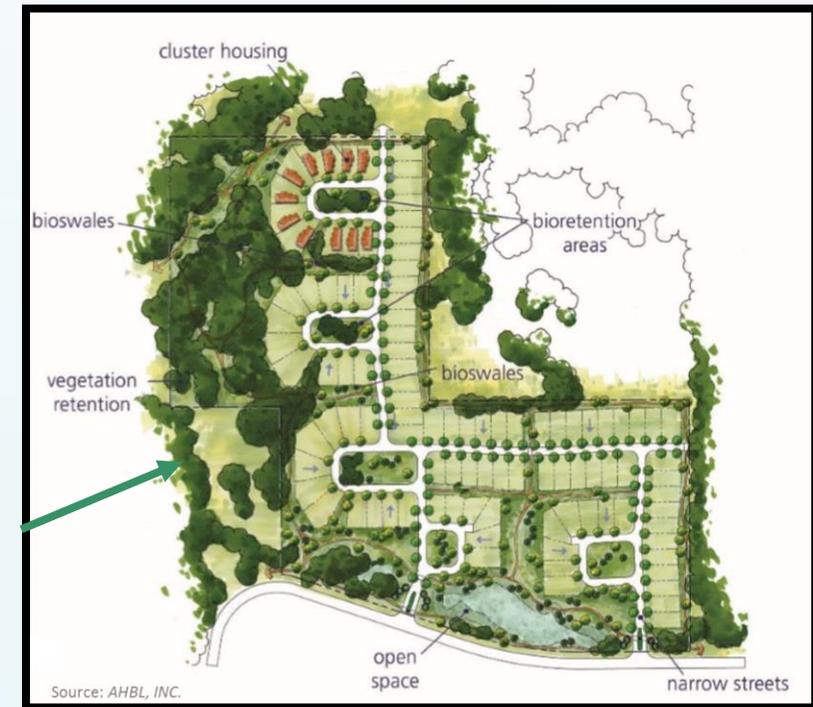
Low Impact Development Principles

- Reduce impervious surfaces
- Retain native vegetation
- Reduce surface water flows leaving a site



Conventional Design

Low Impact Development Design



Low Impact Development (LID) Code Review and Update

Overview continued

Why does it need to be reviewed and updated?

- Improve water quality and reduce flooding
- Incorporate Green Infrastructure and other new technologies
- Meets our City vision and values
- To meet Washington State NPDES Permit requirements

When do new code amendments need to be adopted?

By December 31, 2016

Low Impact Development (LID) Code Review and Update

Status

- We are at the starting line
- We need your feedback



What approaches should we use to reduce impervious surfaces, retain vegetation, and/or reduce flows???

Low Impact Development (LID) Code Review and Update

Next Steps

- Review the existing Development Code
- Meet with Technical Stakeholders in August and September
- Meet with you, the Public, again in the Fall
- Incorporate Public/Stakeholder comments into recommendations for code amendments

Low Impact Development (LID) Code Review and Update

Next Steps Continued

- Meet with Planning Commission:
 - September 1, 2016 – Introduction
 - September 15, 2016 – Study Session
 - October 6, 2016 – Public Hearing/Deliberation
 - October 20, 2016 – Public Hearing/Deliberation
- Meet with City Council:
 - November 1, 2016 – Planning Commission Hand Off
 - November 8, 2016 – Work Session
 - November 15, 2016 – 1st Reading, Public Hearing
 - December 6, 2016 – 2nd Reading, Council Adoption

Low Impact Development (LID) Code Review and Update

Next Steps Continued

- Implement Education and Outreach





Surface Water Design Manual Update *Overview*

What is a Surface Water Design Manual?

Regulates design, construction, and maintenance of all new and/or redevelopment projects.



Surface Water Design Manual Update *Overview*

Why does it need to be updated?

- Comply with stricter stormwater standards
- Improve water quality and reduce flooding
- To meet Washington State NPDES Permit requirements

When does it need to be adopted?

By December 31, 2016



Surface Water Design Manual Update

Overview continued

Some Major Changes:

- Low Impact Development (LID) techniques required for all new and/or replaced impervious surfaces
- Formal flow control and water quality facilities may be required for medium sized projects
- Stricter development requirements for areas draining to landslide hazard areas

Surface Water Design Manual Update

Overview continued



Current Pond Design:

Little or no landscaping
Not visually aesthetically pleasing
Unattractive street view



Proposed New Pond Design:

Incorporates native plants
Wildlife friendly
Aesthetically pleasing

Surface Water Design Manual Update *Status*

- Planning Commission recommended adoption of the *2016 KCSWDM* with a *Sammamish Addendum*
- We need your feedback



What can we clarify in the design manual???



Surface Water Design Manual Update

Next Steps

- Meet with Technical Stakeholders
- Incorporate Public/Stakeholder comments into *Sammamish Addendum*

Surface Water Design Manual Update

Next Steps

- Meet with Planning Commission
September 1, 2016 – Public Hearing/Deliberation
- Meet with City Council
November 1, 2016 – Planning Commission Hand Off
November 8, 2016 – Work Session
November 15, 2016 – 1st Reading, Public Hearing
December 6, 2016 – 2nd Reading, Council Adoption
- Implement Education and Outreach

Before you go!!!

Public Comments and Feedback

1. What did we miss on the Storm and Surface Water Management Comprehensive Plan?
2. What approaches should we use to implement the following LID principles and practices?
 - reduce impervious surfaces
 - retain vegetation
 - reduce flows
3. What further clarification would be helpful in the new Surface Water Design Manual?



QUESTIONS

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