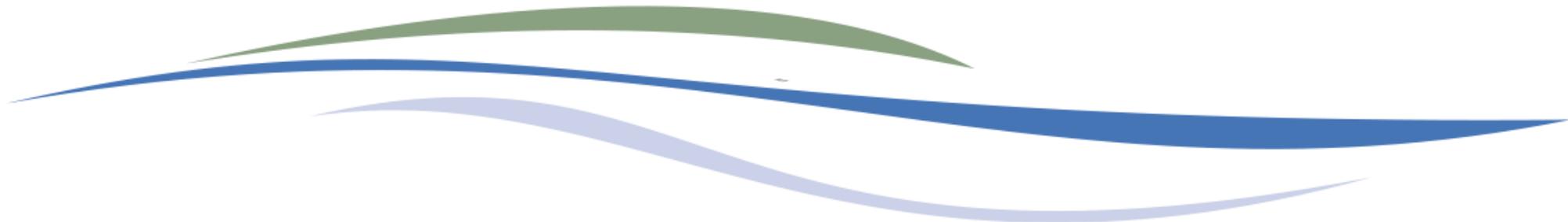


Low Impact Development Principles Project

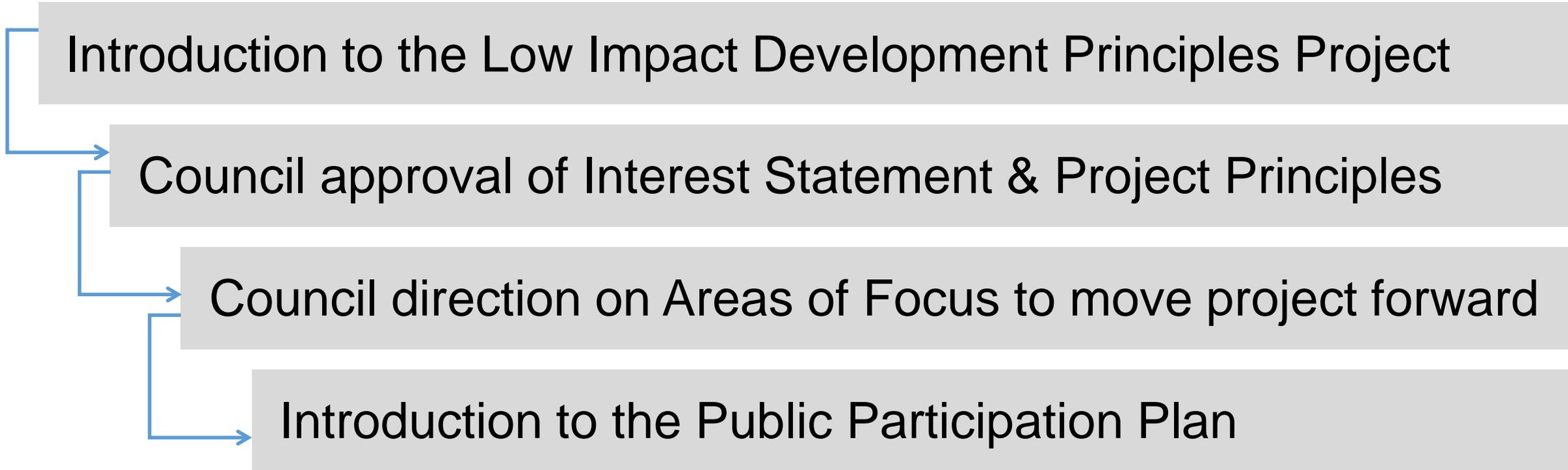
Project Introduction and Council Direction
Transportation Commission

September 10, 2015

Project Manager: Catherine Drews



Tonight's Briefing



Why are We Doing This?

NPDES Permit Requirement

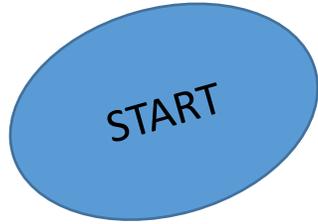
CONTROLLING RUNOFF FROM NEW DEVELOPMENT, REDEVELOPMENT AND CONSTRUCTION SITES

No later than **December 31, 2016**, Permittees shall **review, revise and make effective** their local development-related codes, rules, standards, or other enforceable documents to incorporate and require LID principles and LID BMPs.

The intent of the revisions shall be to make LID the preferred and commonly-used approach to site development. The revisions shall be designed to **minimize impervious surfaces, native vegetation loss, and stormwater runoff** in all types of development situations. Permittees shall conduct a similar review and revision process, and consider the range of issues, outlined in the following document: *Integrating LID into Local Codes: A Guidebook for Local Governments (Puget Sound Partnership, 2012)....*

No metrics provided
– allows Bellevue to determine appropriate measures.

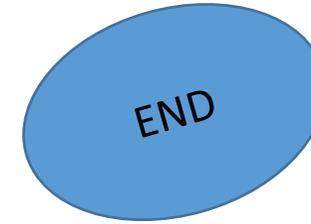
Low Impact Development



LID Principles

Site layout:

- Keep vegetation
- Minimize construction footprint
- Keep impervious surfaces at a minimum
- LID principles may not apply (area and context sensitive)



LID BMPs

Engineering controls:

Clear and Grade

Stormwater controls, such as

- LID rain gardens
- LID pervious pavement
- LID bioretention facilities
- Detention vaults, ponds

What the LID Principles Project is *not*

- Not about BMPs
- Not about retrofitting
- Not about preventing growth
- Not about ripping out pavement

Considerations for Making LID the Preferred & Commonly Used Approach to Site Development

- A one-size-fits-all approach is inappropriate
- Supporting growth in urban areas is appropriate (GMA & LID)
- Balancing environmental benefits with economic development goals is important

LID Principles Project will Achieve Several Goals

- Support other Council programs, goals, and priorities
 - Example: Minimize native vegetation loss
 - Supports adopted tree canopy goals
 - Reinforces Bellevue's reputation as a "City in a Park"
 - Decreases greenhouse gases through uptake in CO₂
 - Aids salmon recovery
- Support NPDES permit compliance now and in the future
- Improved streetscape = improved user experience & environmental benefit

Council Approved Project Interest Statement

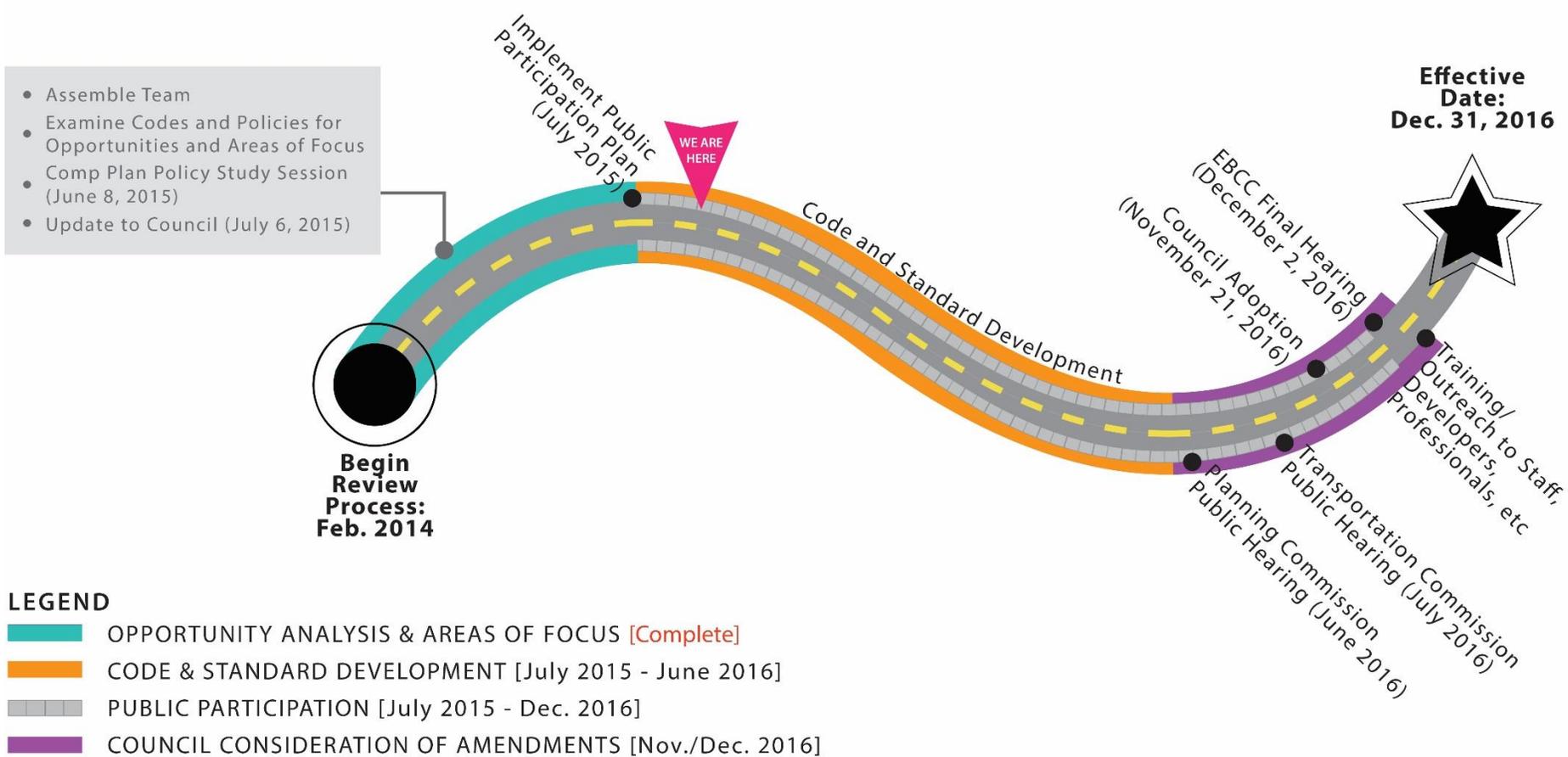


Bellevue supports the objective of maintaining the region's quality of life, including that of making low impact development the preferred and commonly used approach to site development.

Council Approved Project Principles (Includes Considerations from Slide 6)

- Bellevue appropriate options (area and context sensitive)
- Recognize and seek to balance competing needs
- Build on existing City Programs
- Engage stakeholders and citizens early
- Maintain Bellevue's compliance record with its NPDES permit

Project Road Map



Low Impact Development Principles Project

Opportunity Analyses Completed

- Comprehensive plan policies – adopted August 3
 - Provides necessary support for future actions
- Development-related codes and standards
 - Comprehensive evaluation conducted

Council Approved Areas of Focus

- Guides next phase of work and discussions with public, commissions, and boards – *outcome of this work will inform future recommendations*

LAND USE CODE

- Evaluate use of LID early in the site design process
- Reduce impervious surface coverage
- Preserve and enhance tree canopy
- Improve options for clustering development

TRANSPORTATION CODE AND DESIGN STANDARDS

- Reduce impervious surfaces in rights-of-way
- Enhance tree canopy in transportation facilities

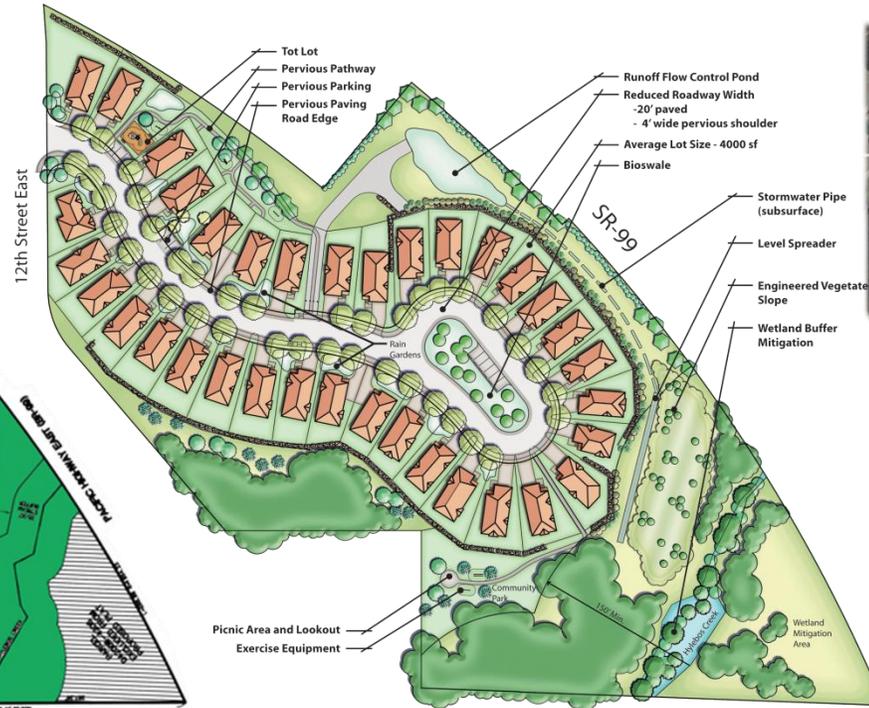
Land Use Area of Focus: Site Design

THE MEADOW ON THE HYLEBOS, PIERCE COUNTY

Conventional Plat



Low Impact Development Plat



2015 Meadow on the Hylebos Aerial



Land Use Area of Focus: Reduce Impervious Surface



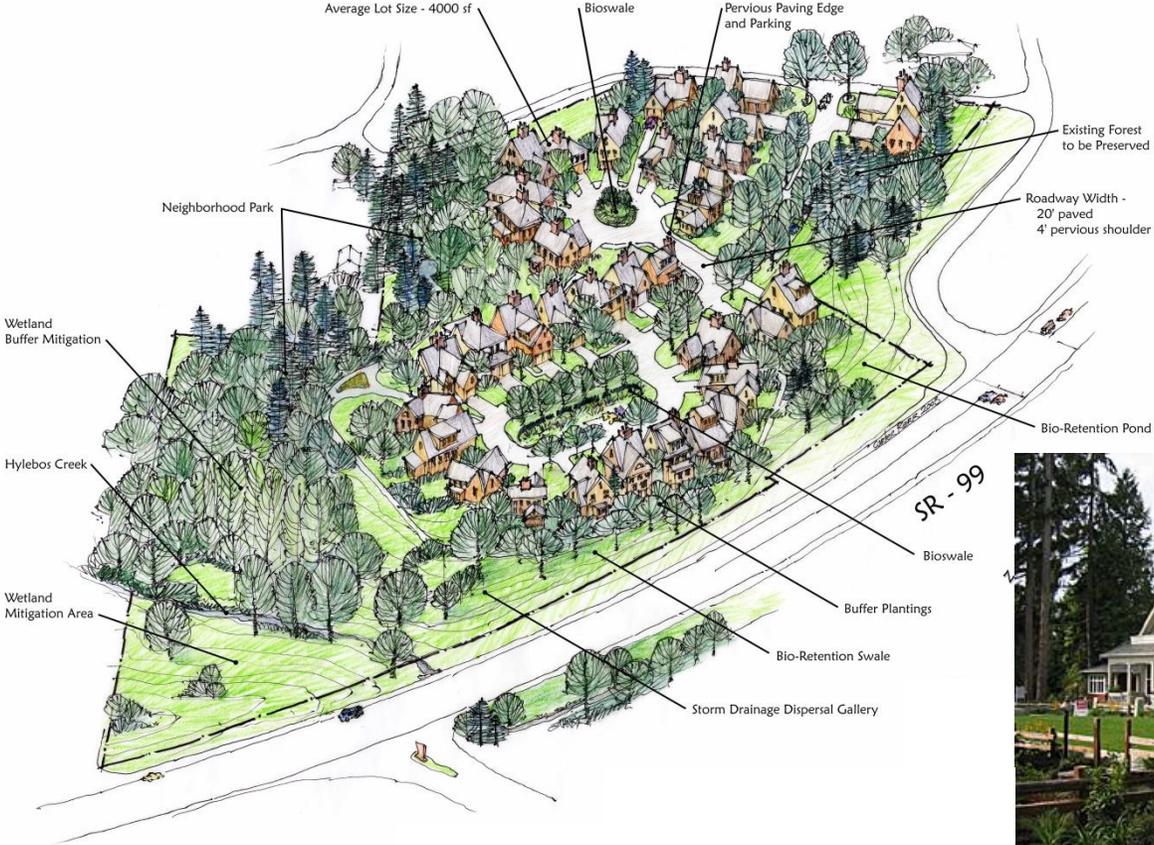
Low Impact Development
Principles Project

Land Use Area of Focus: Tree Preservation & Canopy Enhancement



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Principles Project

Land Use Area of Focus: Clustering Development



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Transportation Areas of Focus: Reduce Impervious Surface & Enhance Tree Canopy in Transportation Facilities



Low Impact Development
Principles Project

Public Participation Plan

- Provide Clear Information and Opportunities for Comment
- Conduct Workshops and Open Houses in Different Locations to Facilitate Participation
- Harness Energy and Knowledge of Broad Range of Stakeholders
- Create Transparent Process with Readily Available Information



Next Steps

- Council input and approval of areas of focus Done
- Council input and approval of project principles Done
- Begin public participation process Done
- Engage with boards & commissions July 2015 – Oct 2016
- Report back to council, boards & commissions Fall 2016

Upcoming Meetings and Workshops

- Parks Board October 13
- Public Workshop @ City Hall September 30
- Public Workshop @ Lewis Creek Park October 6
- Public Workshop @ NW Art Center October 15

(All workshops begin at 6:30 p.m.)

Questions?