

Density and Drainage—The Forgotten Infrastructure

*A Joint Workshop with Building a Better Bend, City of Bend, and Professional Engineers of Oregon**

Join us for one or both days. Both sessions will be held at:
Trinity Episcopal Church, St. Helens Hall
231 NW Idaho Avenue, Bend

For Thursday's sessions, please register at:
<https://drainage-density-bend.bpt.me>

Preliminary Agenda

Wednesday May 29, 2019

Building a Better Bend

6:30-8:00 PM Density and Drainage—The Forgotten Infrastructure

How can we design our built environment to best handle increasing density and protect our valuable Deschutes River and underground drinking water? Join Hye Yeong Kwon, Executive Director of the Center for Watershed Protection for an overview of how the built environment and water quality are connected, and the many options available on site and within neighborhoods that can make for better site design as density pressures increase in Bend. Expect a 50 minute lecture with additional time for interactive dialog.

Audience: General Audience interested in understanding how the built environment intersects with the health of our river and underground drinking water and receiving a general overview of better site design concepts that address both density and water quality needs. Engineers, Local Planners, Landscape Architects, Home Builders, Students, Environmental Specialists will be interested in both the Wednesday overview and the Thursday technical sessions.

**With special thanks to our sponsoring partners:*

Century West Engineering, Wall Street Suites



Thursday May 30, 2019

Better Site Design In a Densifying Community—

The Technical Sessions Preliminary Agenda

Time	Topic	Speaker
8:00 – 8:30 AM	Registration	Opening CWW Videos
8:30 – 8:35 AM	Welcoming Remarks and Workshop Overview	Tom Headley, PEO President, Century West Engineering and Stacey Stemach, Building a Better Bend
8:35 – 9:00 AM	The Benefits of a Healthy River and Importance of Quality Water in the High Desert	Ben Hemson, City of Bend Business Advocate (invited) and Drexell Barnes, Interim Water Quality Manager, City of Bend
9:00-9:20 AM	The Bend, Oregon Experience: <ul style="list-style-type: none"> • Growth and Needs • The Bend Landscape, Land Use and Stormwater System 	Damian Syrnyk, Growth Management, City of Bend Wendy Edde, Stormwater Program Manager, City of Bend
9:20 –10:00 AM	What Is Better Site Design and What Is Needed to Make It Succeed	Hye Yeong Kwon, Executive Director, Center for Watershed Protection
10:00 – 10:15	Break	
10:15 – 11:30	Real World Examples I. Meeting Design Challenges: Green Roofs/ Walls, Urban Trees II. Community Plazas, Streetside Planter Boxes and Infill Lot Options III. Regional Solutions—The Third Street Underpass Project IV. Better Site Design and the Residential Home	Marcia Vallier, President, Vallier Design Associates (recommended) Chris Hass, PE, Contech Tom Headley, Century West David Ford, Northwest Crossing (invited)
11:30 – 12:00	V. The Added Community Benefits of Incorporating Vegetation Into Densifying Areas – Considerations for Green Infrastructure	Dr. Jenna Tilt, OSU



Time	Topic	Speaker
12:00 – 12:45	Lunch (Served) and Networking	
12:45 – 1:15	Special Site Considerations for Bend, Oregon, a Discussion	Hye Yeong Kwon
1:15 – 2:30	Interactive Small Workgroup Session—Applying Better Site Designs I. The Last Infill Lot II. Community Plaza III. Affordable Redevelopment IV. Neighborhood Park	Hye Yeong Kwon, Center for Watershed Protection with assistance from Dr. Jenna Tilt (OSU); Wendy Edde; Tom Headley
2:30 – 2:45 PM	BREAK	
2:45-3:15 PM	Design and Engineering Considerations of Better Site Designs and Source Controls in Densifying Cold Weather Areas	Panel Discussion: Hye Yeong Kwon, CWP; Dr. Jenna Tilt (OSU); Dr. Meghna Babbar-Sebens (OSU); Josh Van Wie (Century West); Pauline Hardie (CDD, City of Bend); Ryan Oster (City Engineer, City of Bend)
3:15-4:25 PM	What Tools Are Available to Assist <ul style="list-style-type: none"> • Watershed Restoration Using Spatio-Temporal Optimization of Resources (WRESTORE) • OSU LID Website, Outreach, and Additional Tools • Tools for Improving Maintenance 	Dr. Meghna Babbar-Sebens (OSU) Dr. Jenna Tilt, OSU Wendy Edde and Sean Mulderig
4:25-4:30	Closing Remark and Adjourn	



Accommodation Information for People with Disabilities

To obtain this information in an alternate format such as Braille, large print, electronic formats, etc. please contact the Utility Department at utilities@bendoregon.gov or 541-317-3010, Ext 2.

