Grass/Gravel Paving

- LeMay Car Museum
- Clarks Creek Park, Puyallup

Grass Recommendations
- < 5 passes per day
- Sufficient Water and Sun
- < 8% Slope
- Mow to 1.25 inches

Tacoma Community College

- Permeable Pavers
- Pervious Concrete

- UNI Ecolab Pavers 3 1/8"
- Campus Entrance

A Combined Concrete Approach

- Residential
  - Pervious concrete parking lanes
  - Pervious sidewalks, bioretention

- Arterial
  - Pervious concrete parking lanes
  - Infiltration extends under standard sidewalk

Photo by City of Puyallup, Invisible Structures

UNI Ecolab Pavers 3 1/8"
Challenges & Solutions

Overflow
Infiltration
Gallery
New HMA Leaches
Vacuum Turning Radius
Gutters are BAD

Porous Asphalt

Residential – Wapato Lake Drive
Alley

Cheney Stadium

Life Cycle Cost Saving
Parking and Roadways
• Raveling
Challenges & Solutions

Lack of Industry Standards

Building a Community of Practice

Continuous UNITED Improvement

Why do we need standards?

- Fear
- Contractor Complaints
- No Industry Standards

- Puppet Sound
- Stormwater Regulations
- Failing Roadways
- $66 Million Grants

June 4, 2015
Building a Community of Practice

May 2014  Focused Groups  April 2015

The Specifications

- 1-05.3 Inspection of Work & Materials
- 2-06 Subgrade Preparation
- 4-04 Ballast & Crushed Surfacing
- 5-04 Porous Asphalt
- 5-06 Pervious Concrete
Continuous UNITED Improvement

- Specification Task Force
  - Join us - Google Group
  - https://groups.google.com/forum/#!forum/permeable-pavements-for-puget-sound
- Alternative tests used throughout the country that better reflect the final product.

What’s Next?

June 4, 2015
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Permeable Pavements in Tacoma