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Stormwater Management: the Role of the Landscape and Horticultural Profession

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AGENDA

- Stormwater Management & LID
- Tools
- Fusion

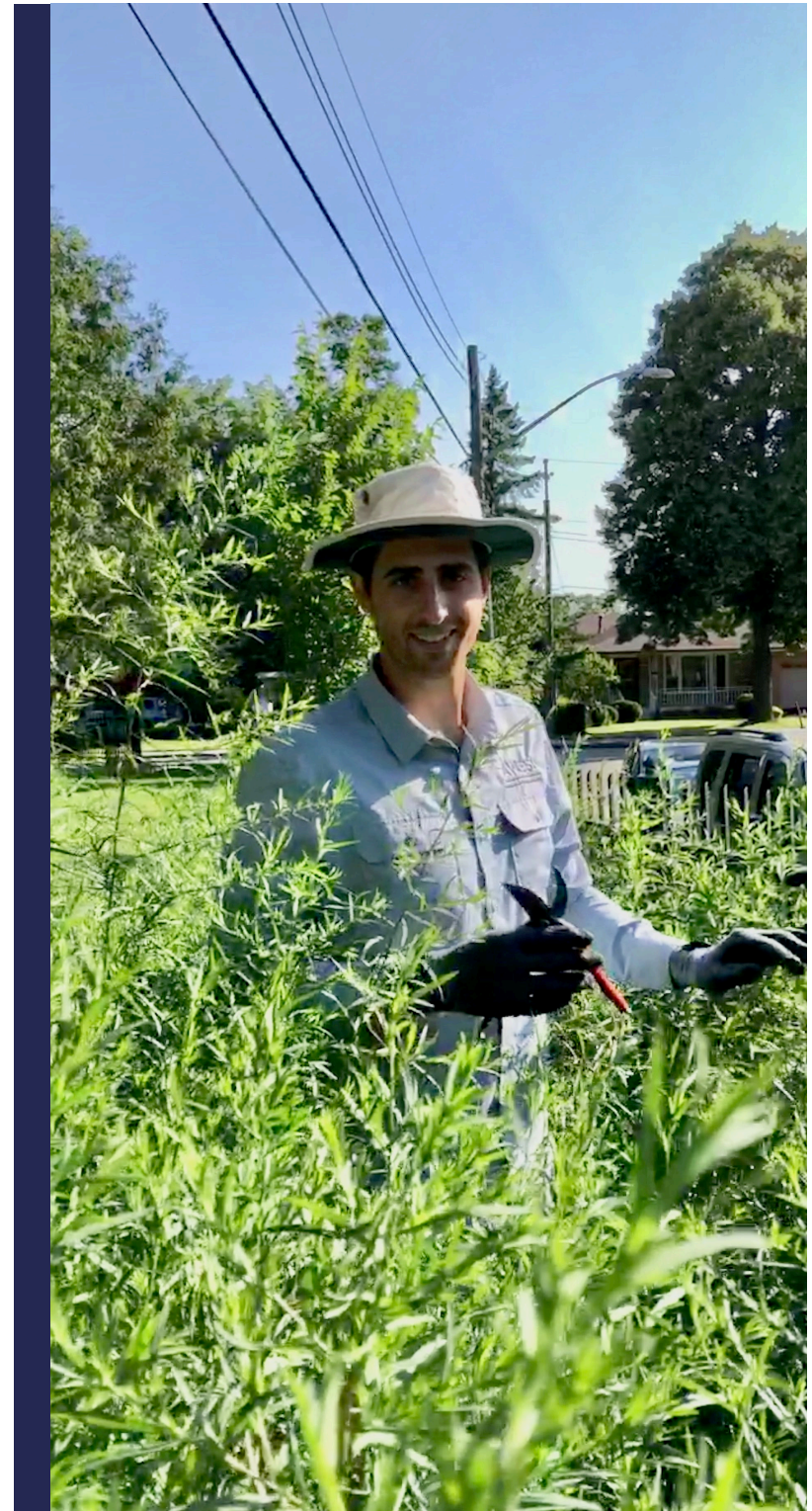


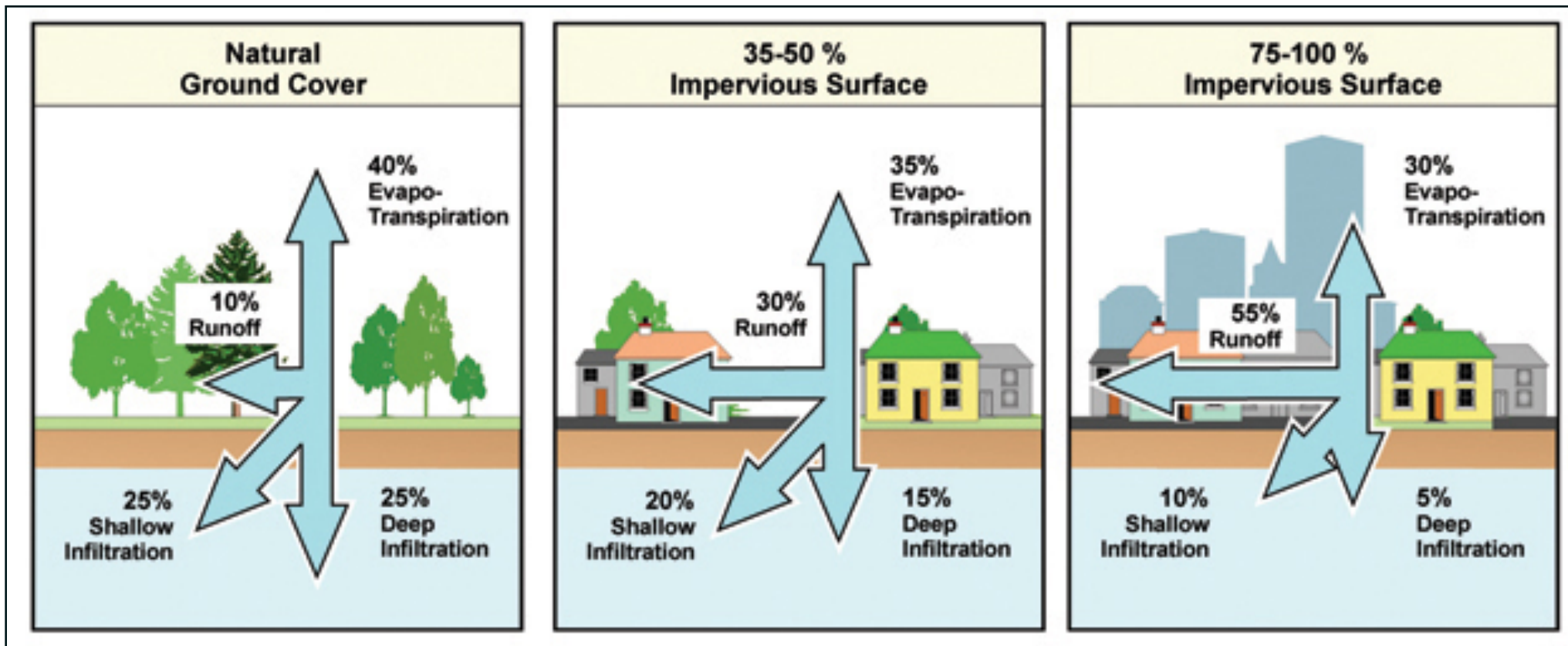


OBLIGATIONS & OPPORTUNITIES

2008 - 2020

- Geography & Ecology
- Rivers & Wetlands
- Stormwater Management
- Stream Rehabilitation
- Urban Green Spaces
- Gardening
- Landscape Contracting





STORMWATER MANAGEMENT & LID

Green (LID)

- Light – frequent storms
- Absorb water on site and integrate into watershed

Grey (Conventional)

- Large – intense storms
- Collect water and drain off site to receiving stream

The landscape can be a
GREEN FILTER



filtering pollution as the rainwater
slowly sinks into the ground.

or a
GRAY FUNNEL



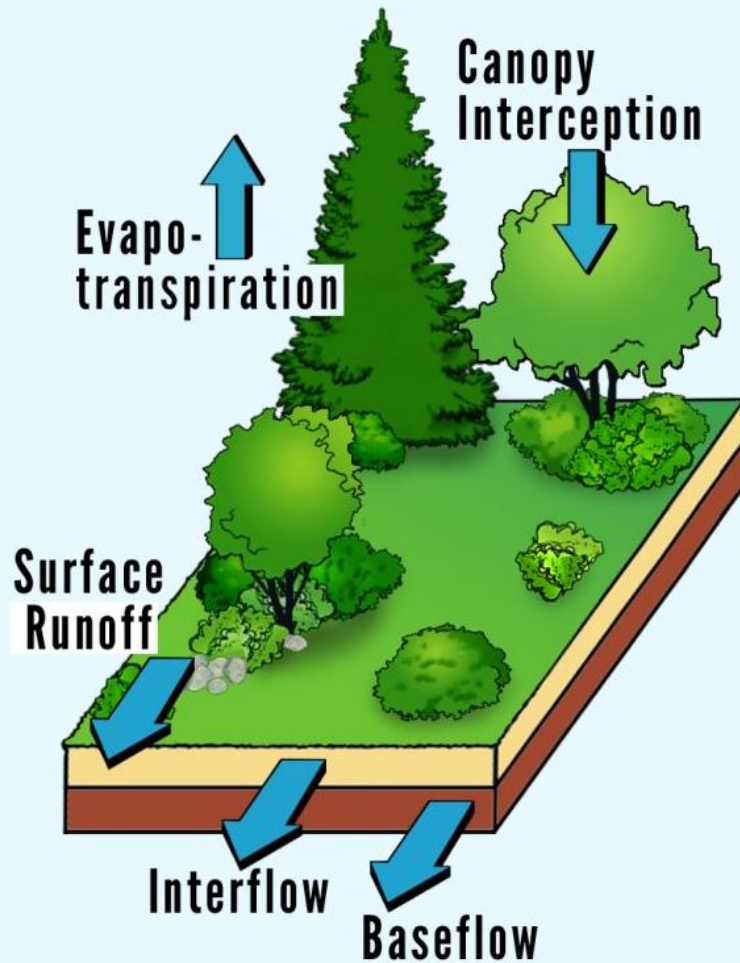
allowing pollution and toxins to be
washed into our waterways.

What they said...

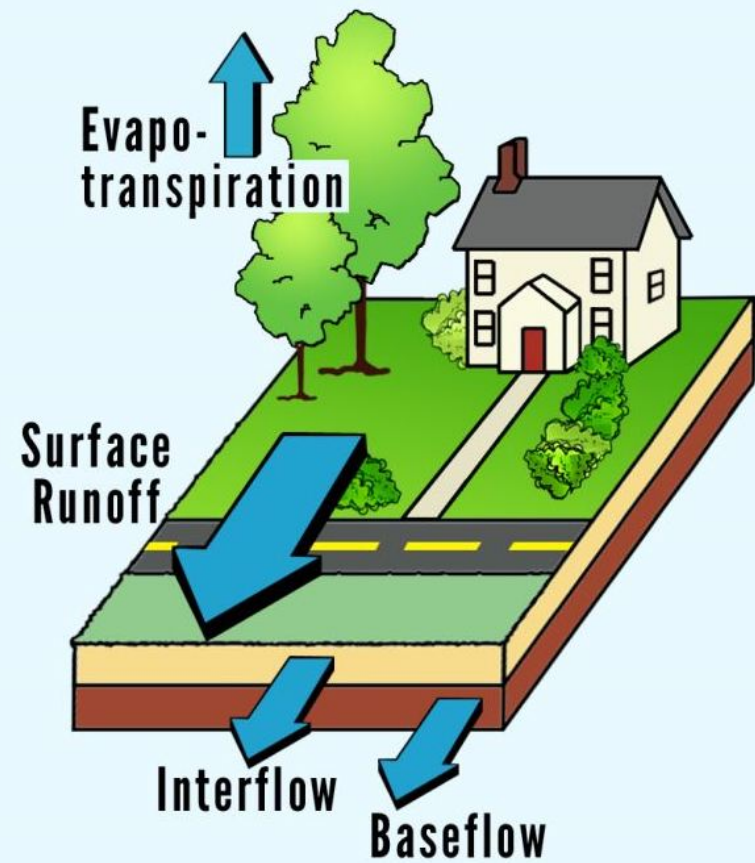
1. LID best used in conjunction with conventional grey stormwater infrastructure
2. Site constraints often limit use of one or the other

So...

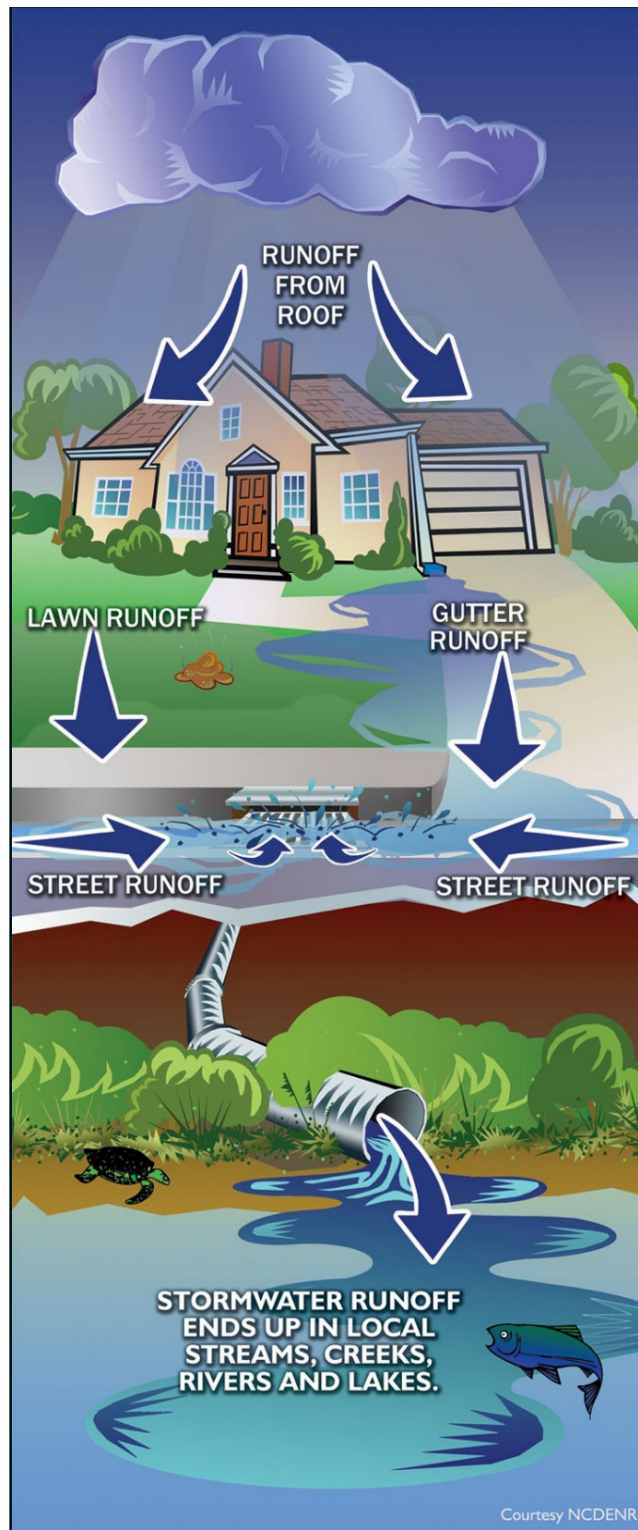
Moving forward, both will be necessary to address our needs in a changing climate



Pre-development

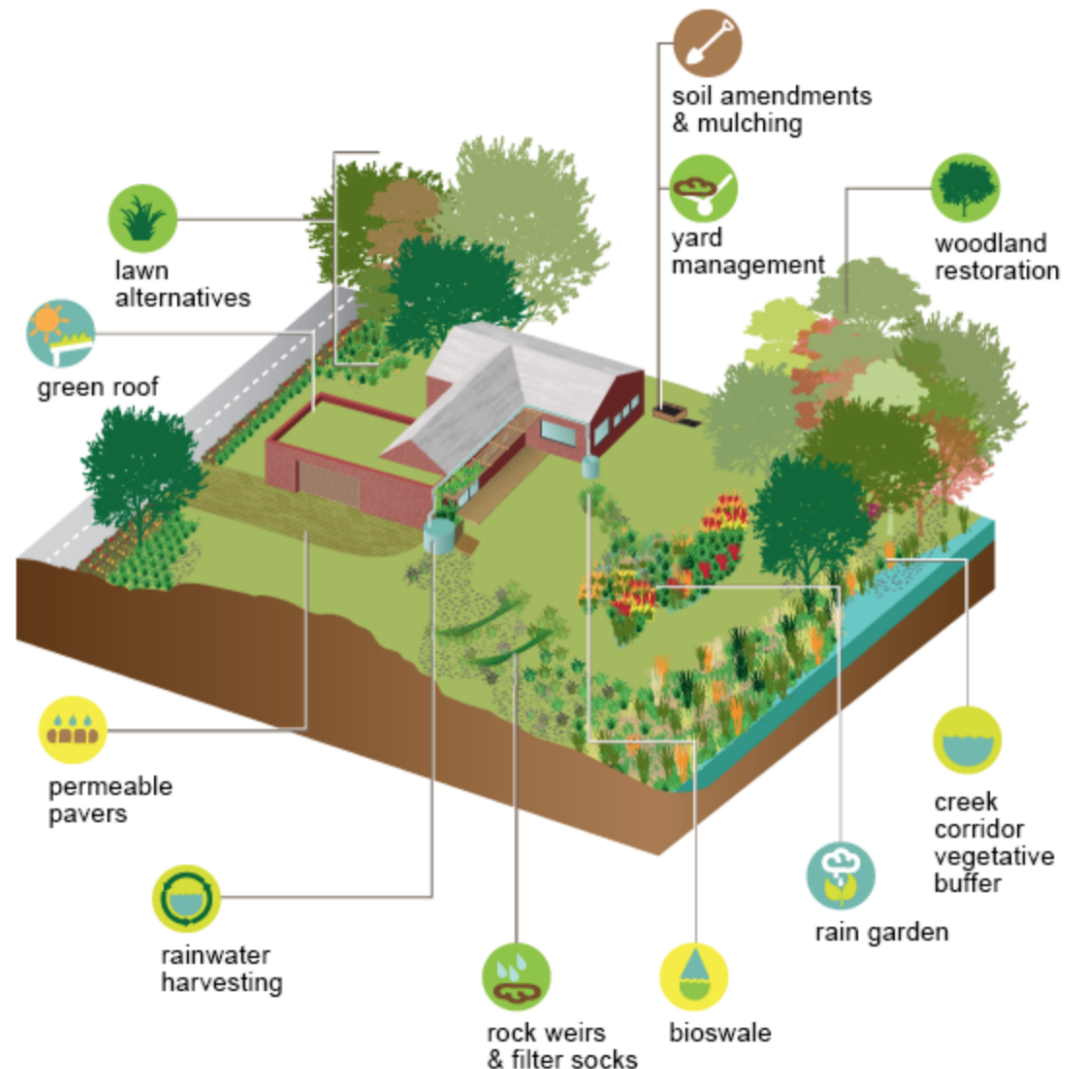


Post-development

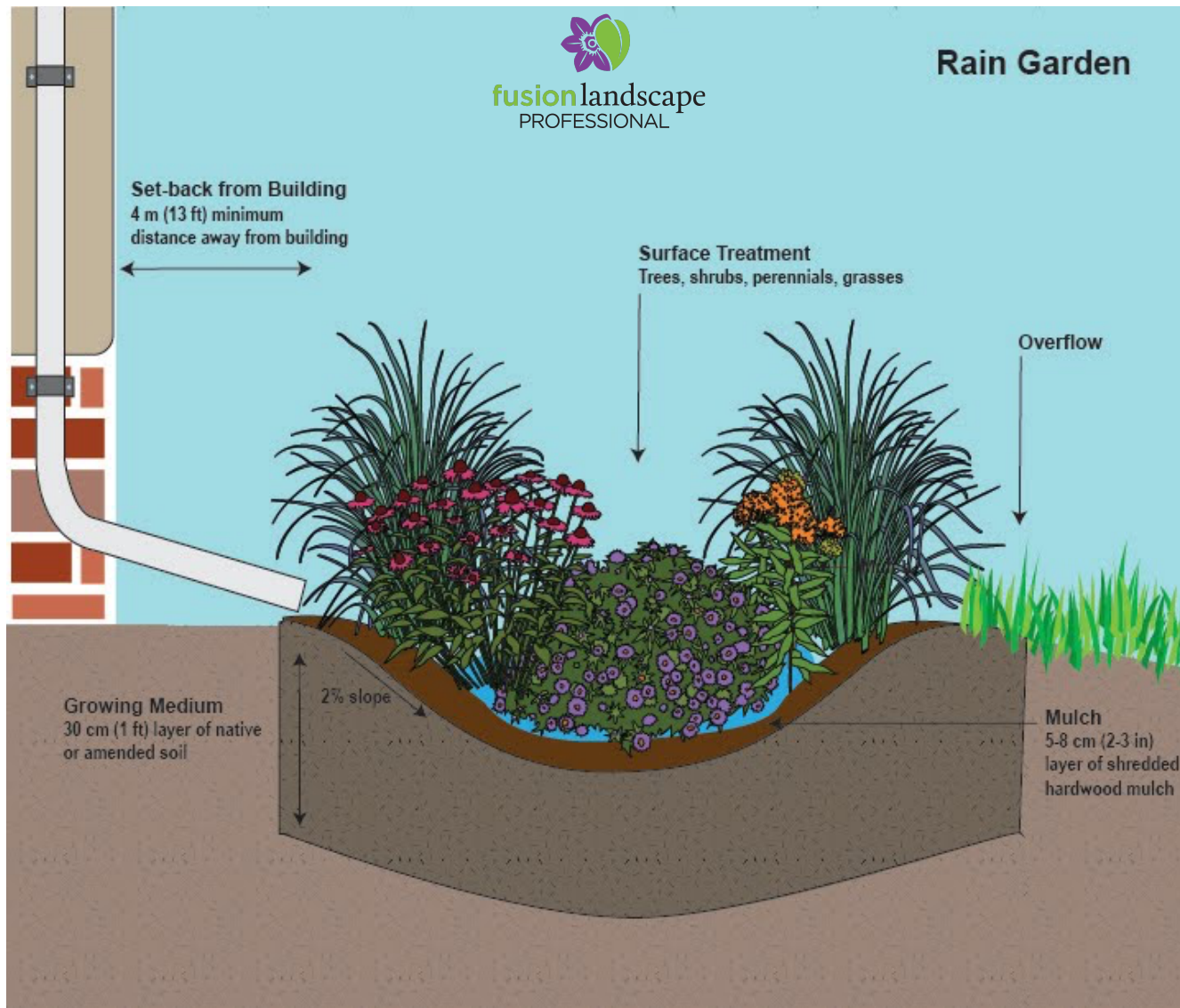


Fusion Landscaping

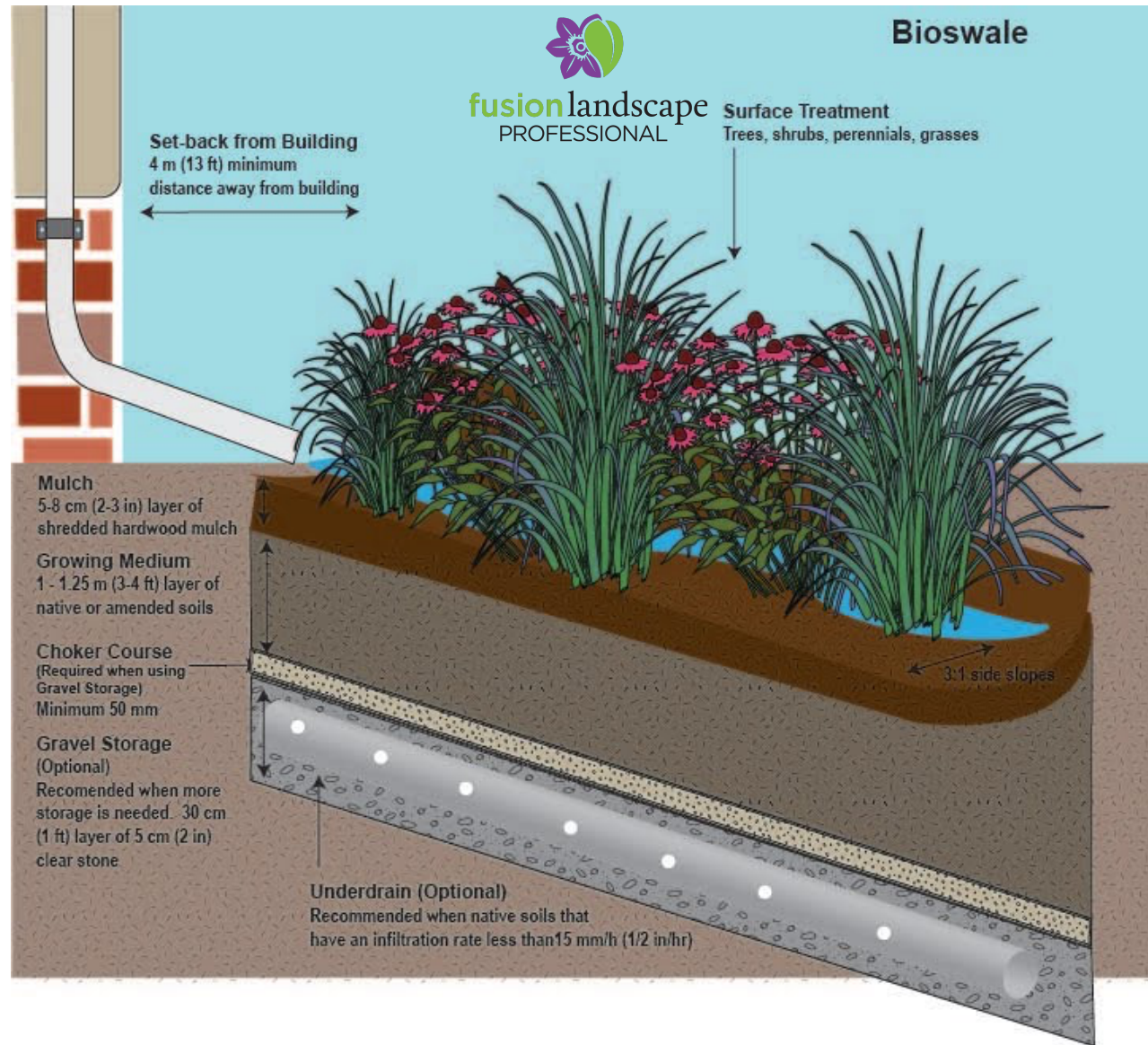
Landscape and horticultural enhancements designed to reduce runoff while enhancing local biodiversity and fostering sustainability over the long term.



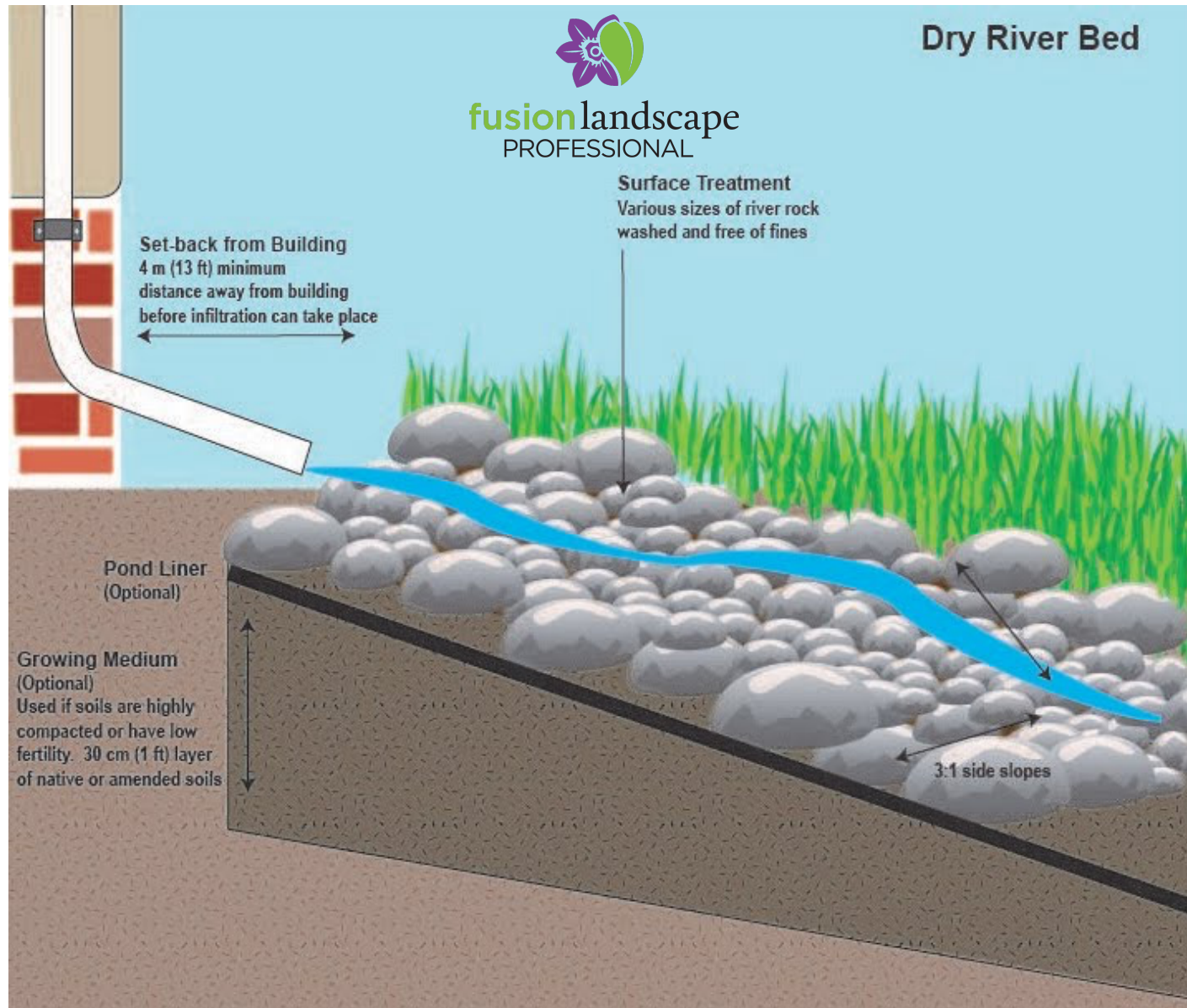
Rain Garden



Bioswale

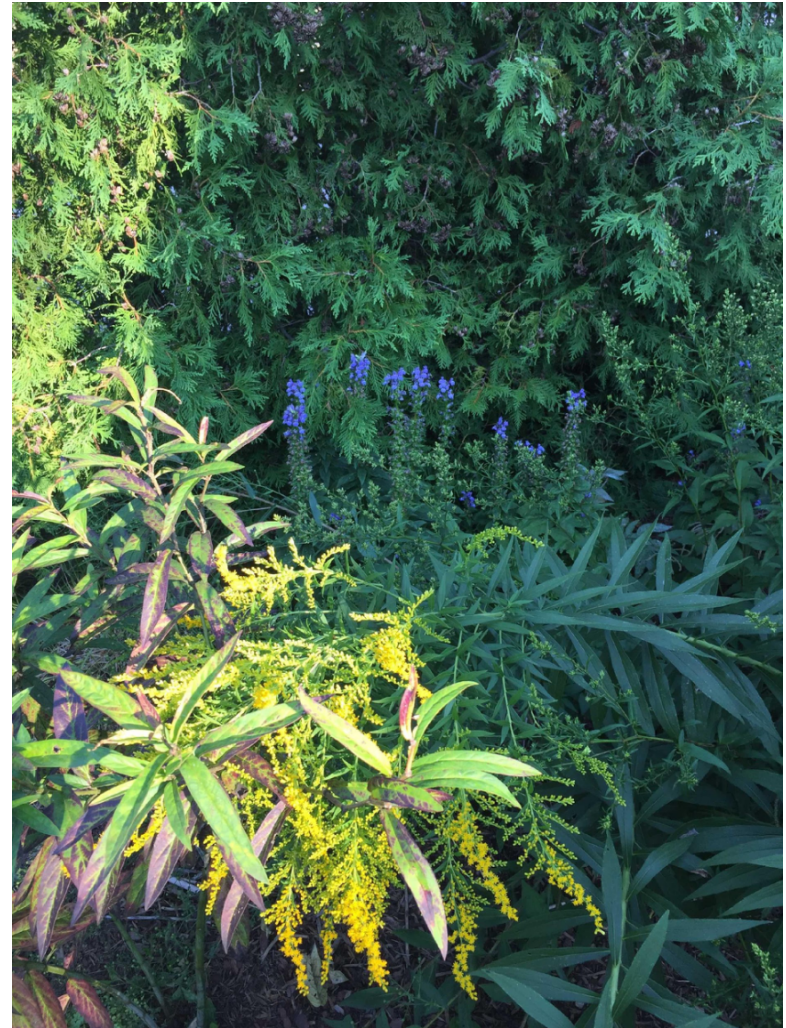


Dry River Bed

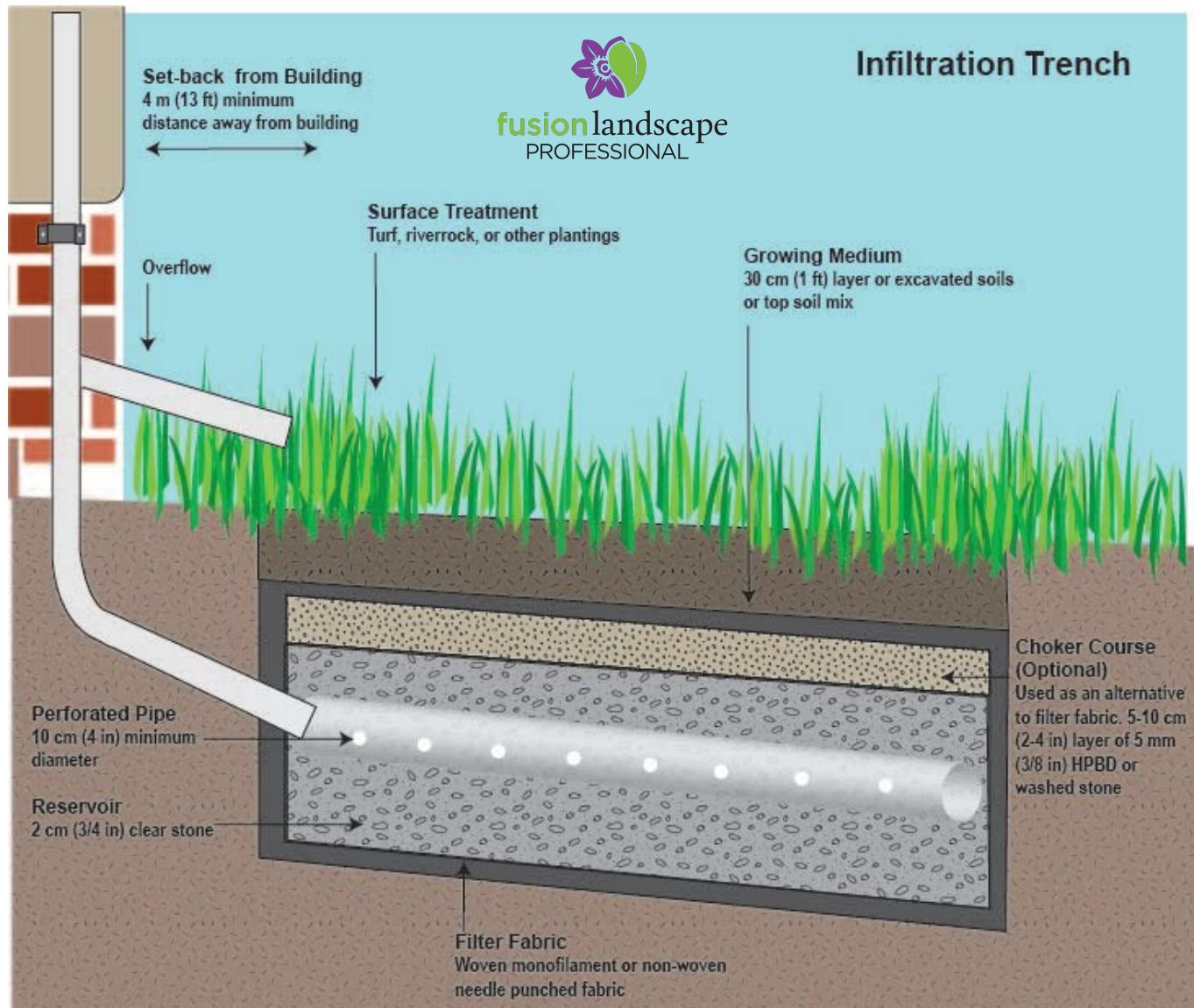


Right Plant, Right Place

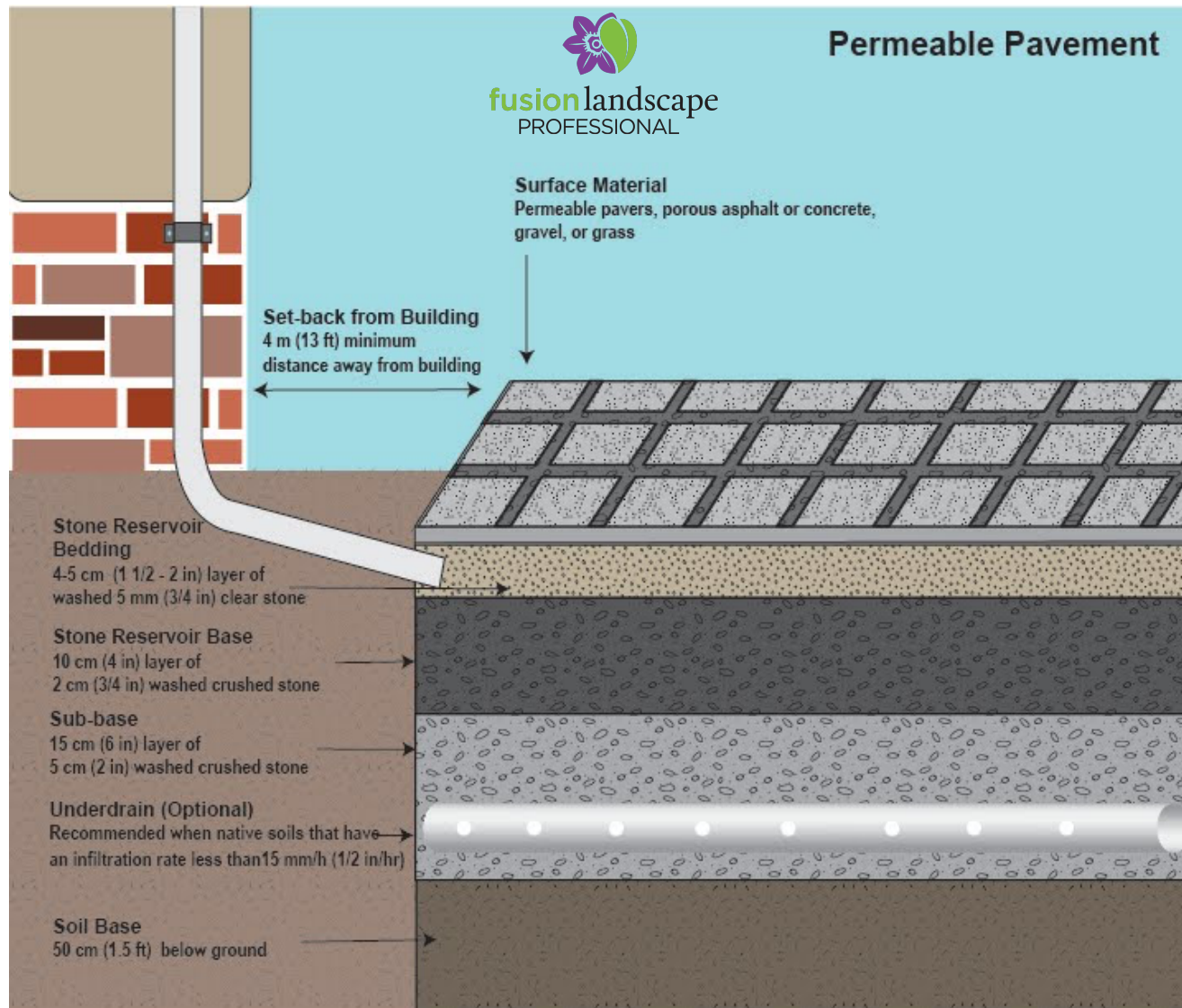
- Balance a predefined vision with the landscape's natural tendencies
- Soil moisture, physical abuse
- Vertical layering – natural weed suppression
- Be patient, monitor, and experiment



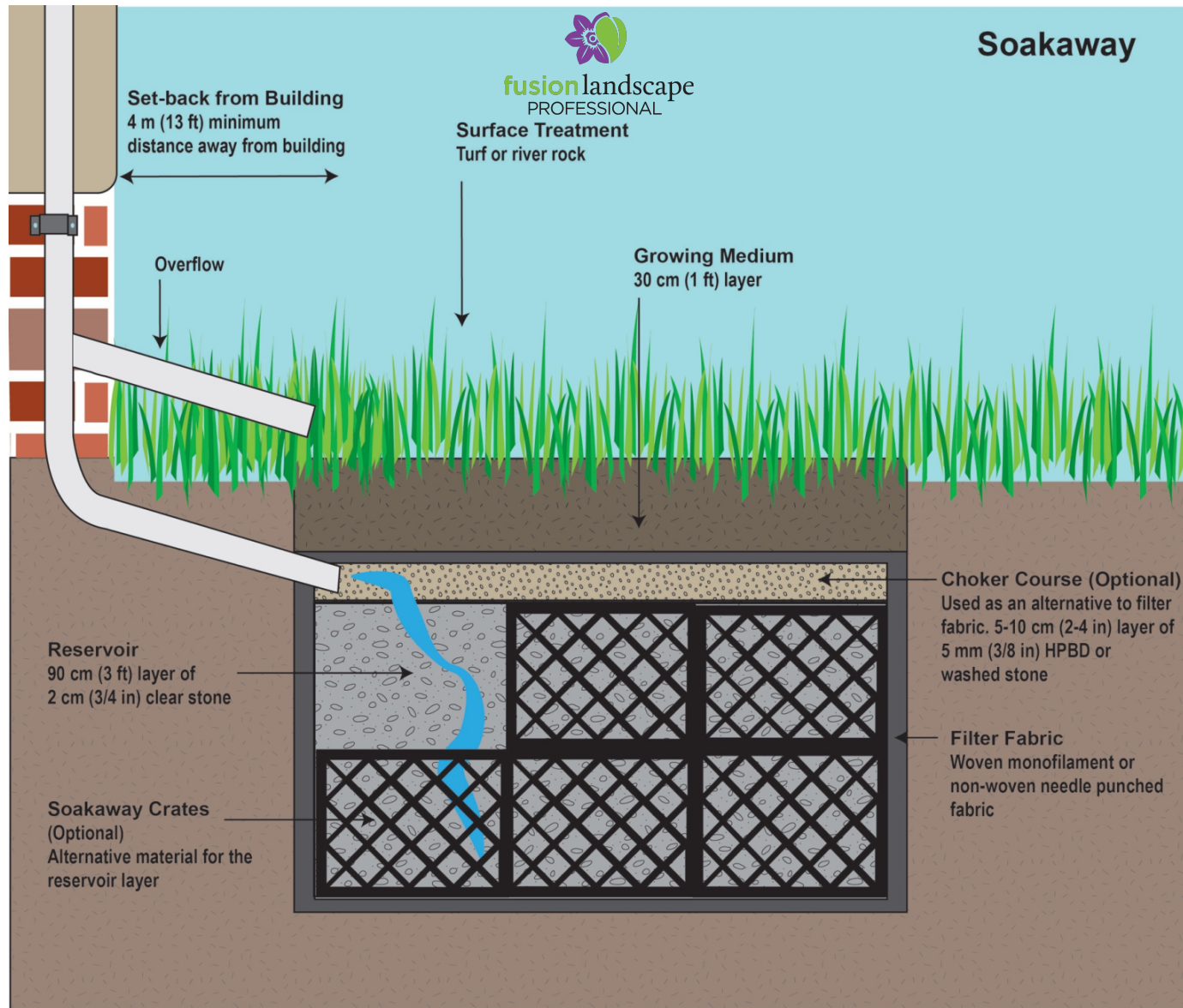
Infiltration Trench



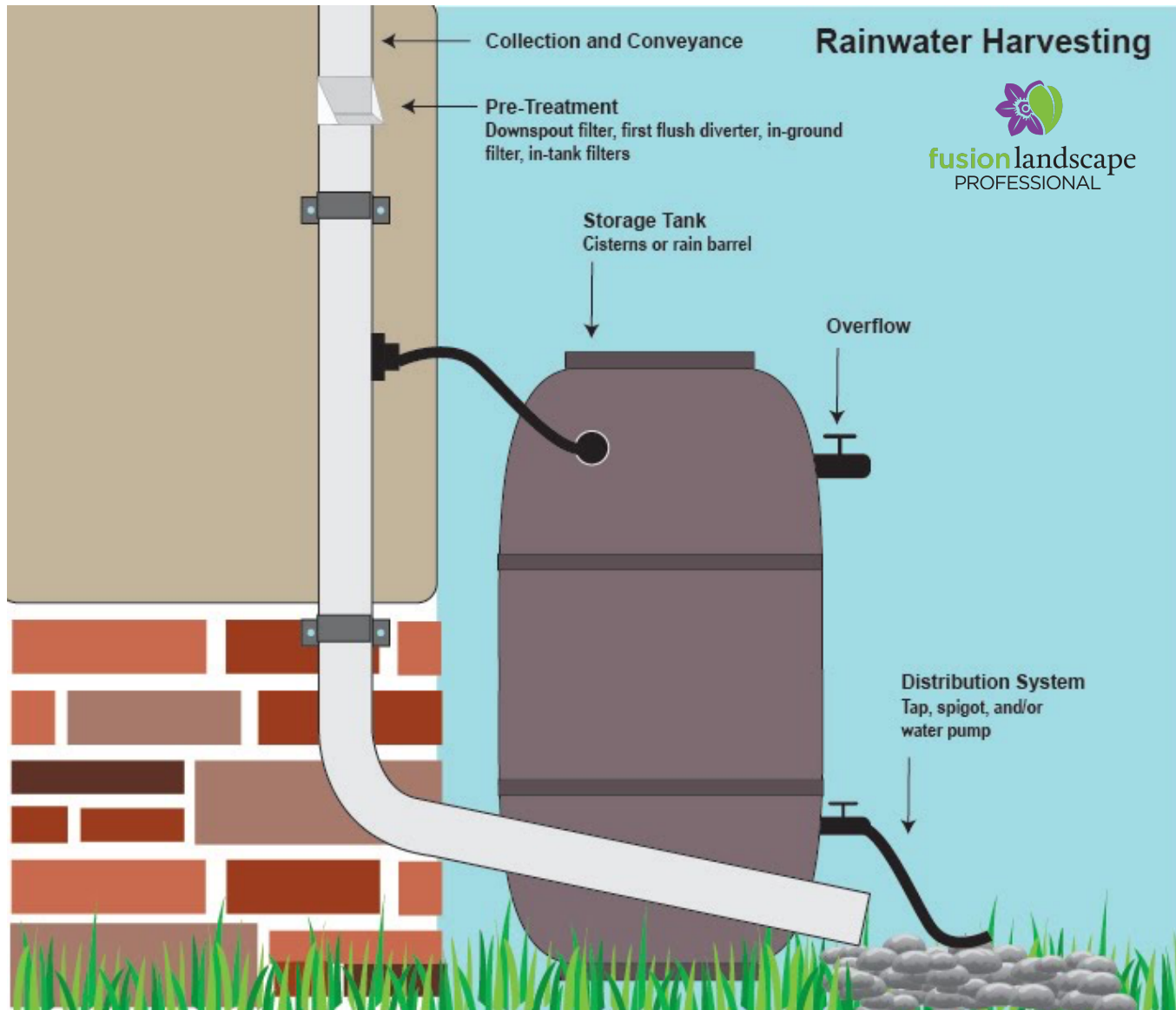
Permeable Pavement



Soakaway



Rainwater Harvesting



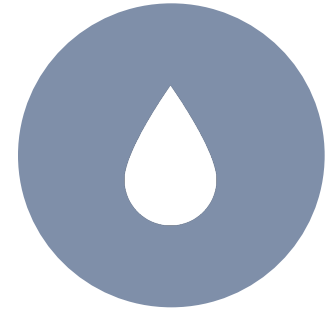
Value Beyond Landscaping



CREATE FUNCTIONAL &
SUSTAINABLE
LANDSCAPES



MANAGE RAIN
WHERE IT FALLS



KEEP PROPERTIES
SAFE FROM WATER
DAMAGE



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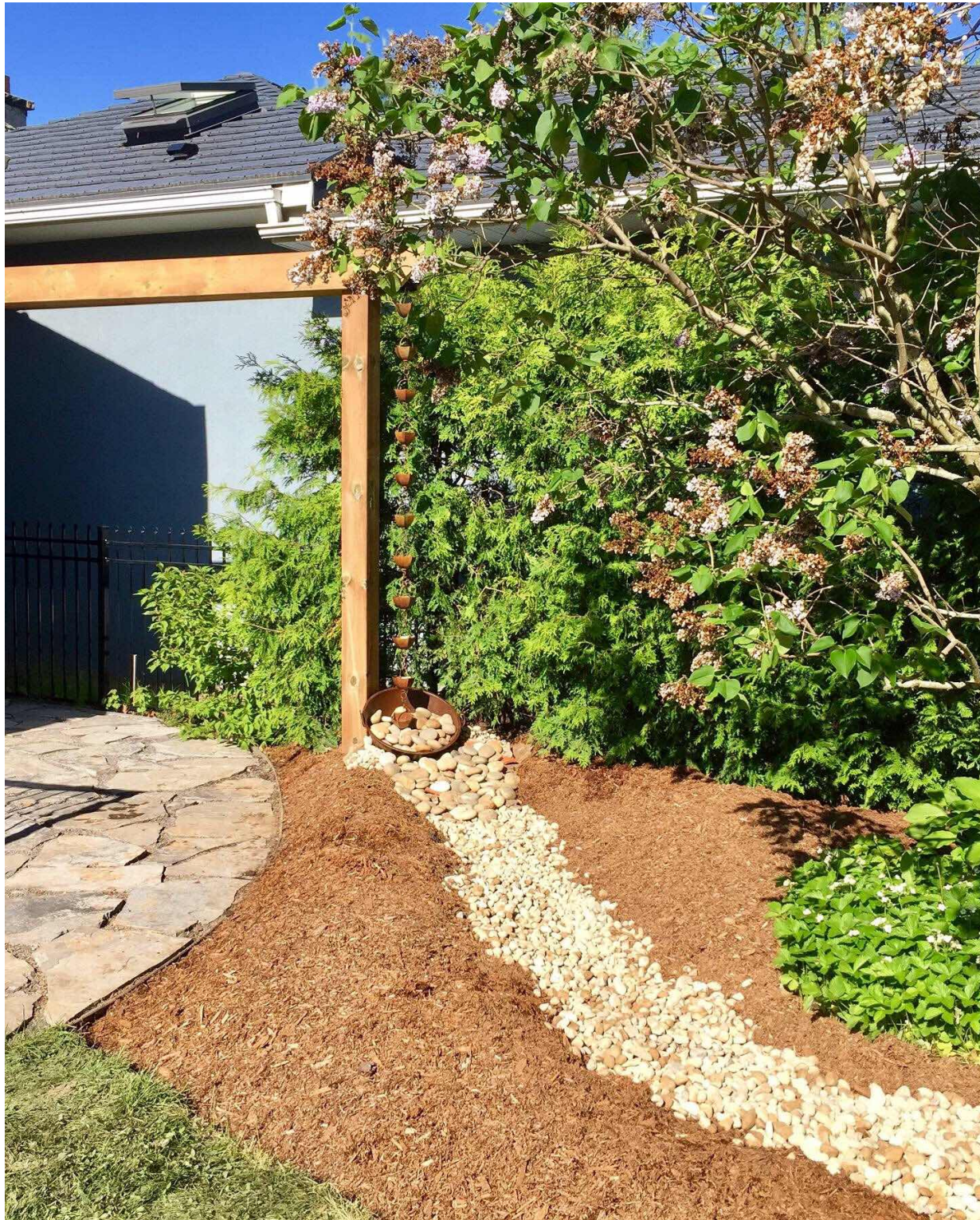


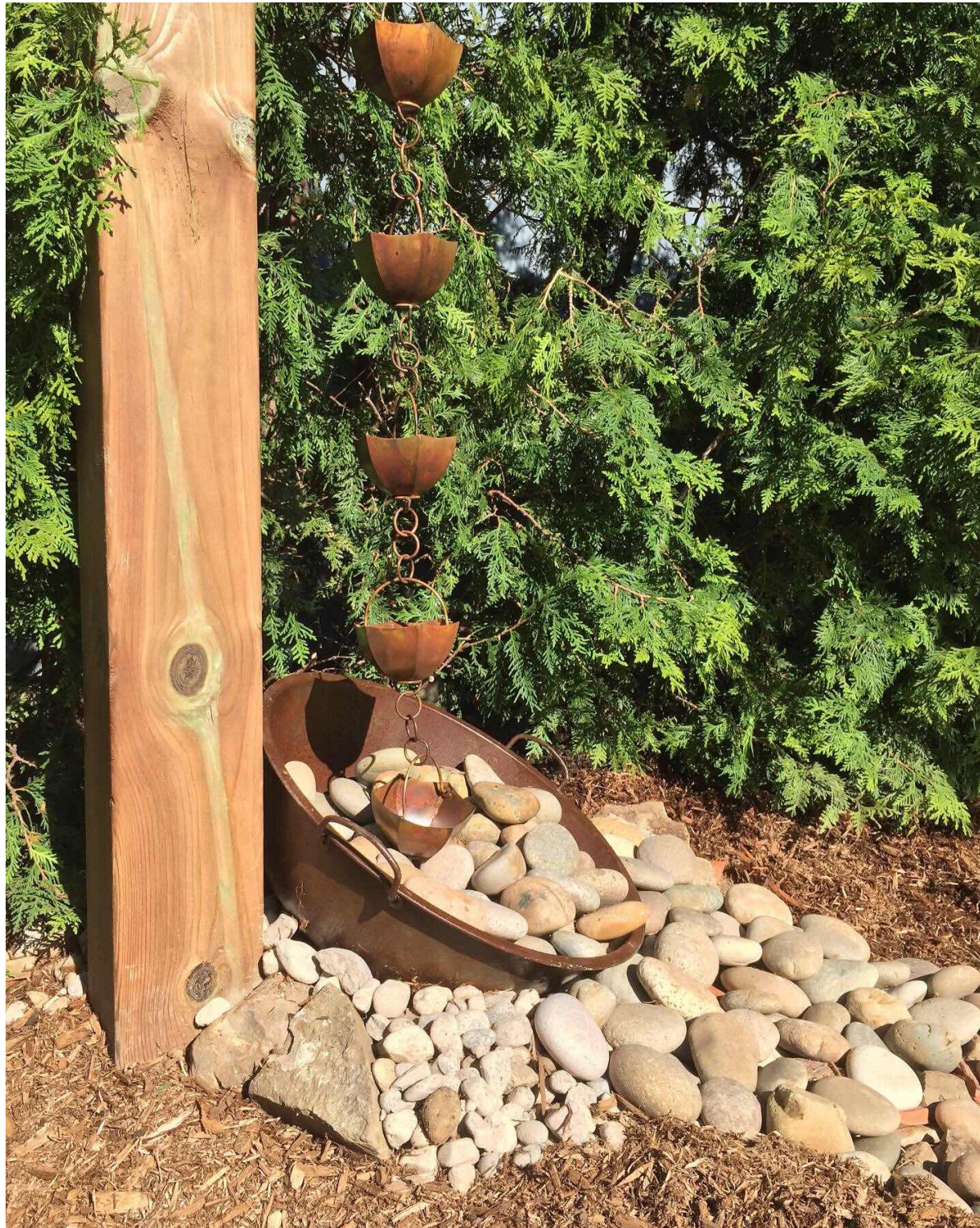
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The Fusion Landscape Professional Training and Certification Program



- Training and certification program developed by Landscape Ontario, the Region of Peel and York Region
- Focused on stormwater management and low impact development for the landscape and horticulture profession
- Now available to landscape professionals across the country
- Next training seminars will be held in February

The Fusion Landscape Professional Program



The program features two days of in-class instruction with hands-on components. The training will include:

- Theory and municipal strategies;
- The science behind Fusion landscaping;
- Selling Fusion landscapes;
- Site inventory, analysis and planning Fusion landscapes;
- Designing, constructing and maintaining Fusion landscapes;
- Setting yourself up for success.

For more information



For more information, please contact:

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