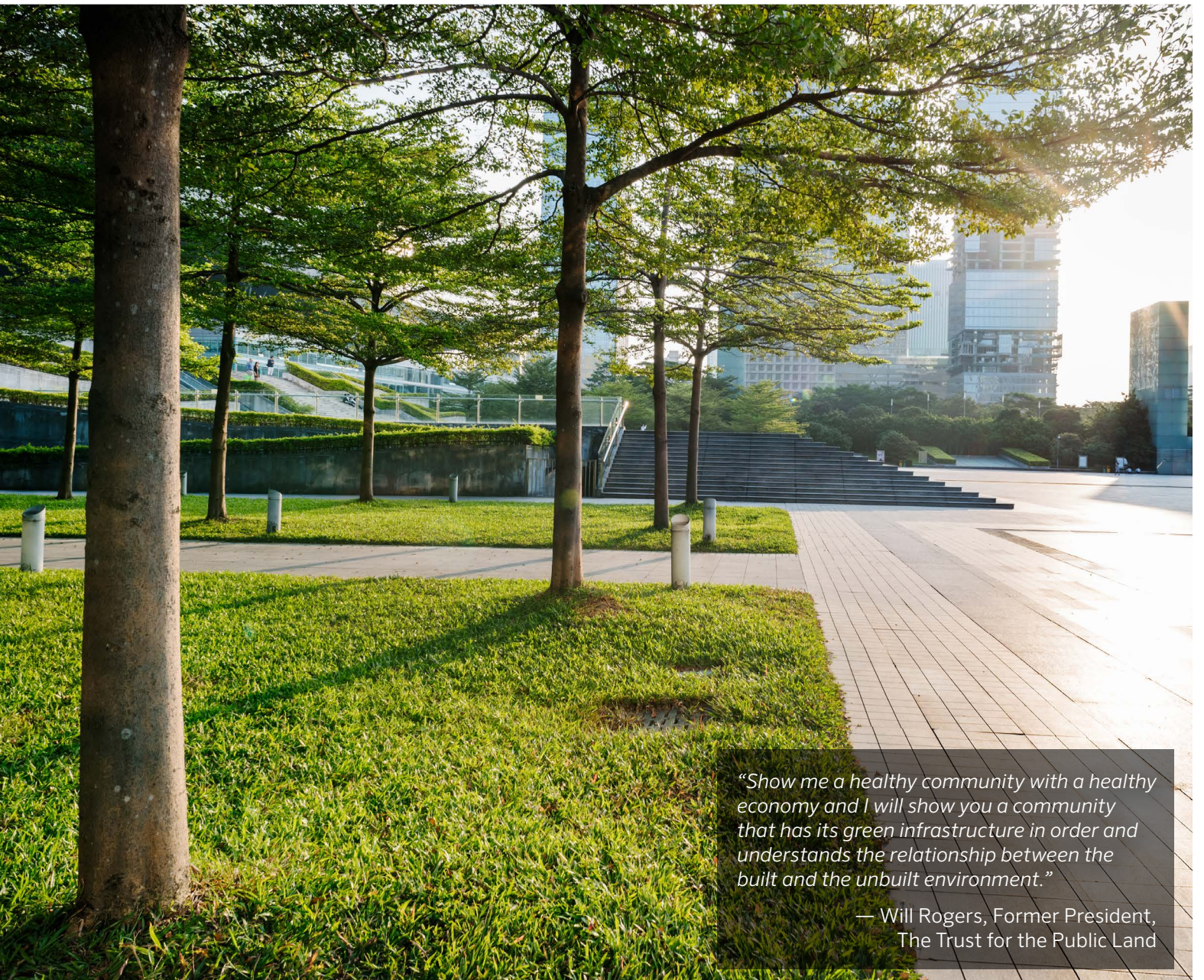


IRRIGATING TREES

Best practices to promote healthy trees in your community

Hunter[®]



“Show me a healthy community with a healthy economy and I will show you a community that has its green infrastructure in order and understands the relationship between the built and the unbuilt environment.”

— Will Rogers, Former President,
The Trust for the Public Land

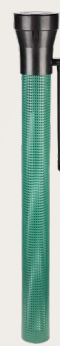
IRRIGATION SOLUTIONS

for Trees of All Growth Stages

ROOT ZONE WATERING SYSTEM

For new plantings, small trees, and medium-to-heavy soils

The Root Zone Watering System (RZWS) is a turnkey solution that supports young trees by delivering water throughout the root zone.



- StrataRoot™ Baffle System transports water throughout the soil column
- Promotes deep, lateral root growth
- Allows oxygen flow into the soil for healthy roots
- Site-use resistant

Root Zone Watering System



RZWS can be turned off or modified with pop-up spray heads to apply adequate water for maturing trees.

MULTI-STREAM BUBBLERS

For new plantings, small-to-medium trees, and light-to-medium soils

Multi-stream Bubbler Nozzles on pop-up Pro-Spray Sprinkler Bodies offer a robust solution to establish and sustain trees. Applying water on the surface allows water to move vertically and horizontally in the soil while helping to leach contaminants.



- Directs water away from the base of the tree to prevent root rot
- Promotes root growth via horizontal water movement
- Site-use resistant with the retracting riser of a Pro-Spray Sprinkler Body with check valve and FloGuard™ Technology

Pro-Spray® PRS30-CV-F MSBN Bubbler Nozzle SJ Swing Joint



Pro-Spray Sprinkler Bodies are designed for interchangeable nozzles, which allows larger nozzles to be installed as the root zone grows.

MICRO IRRIGATION

For trees of all sizes and life stages and medium-to-heavy soils

HDL Dripline is a versatile irrigation solution that applies water at or below the soil surface at a slow and efficient pace. Water moves vertically and horizontally through the root zone.

- Can be designed and configured in various layouts to fit almost any setting
- Installed on-grade under mulch or scratched into the soil to 2" (5 cm) deep
- Durable, flexible tubing delivers top performance in harsh conditions



HDL Dripline



HDL layouts can be easily modified to accommodate the changing dripline and water needs of maturing trees.

MP ROTATOR® NOZZLES

For large trees and all soil types

When used with pop-up spray bodies, high-efficiency MP Rotator Nozzles optimize overhead irrigation. Install them near the base of trees with the sprays directed away from the trunk for full coverage of the root area.



- Directs water away from the base of the tree to prevent root rot
- Optimal overhead irrigation gently applies water to the root zone
- Site-use resistant with the retracting riser of Pro-Spray Sprinkler Body with check valve and FloGuard Technology
- Interchangeable nozzles and arc shapes

Pro-Spray® PRS40-CV-F MP Rotator Nozzle SJ Swing Joint



RZWS and Bubbler Nozzles can be modified to MP Rotator Nozzles on pop-up spray bodies to accommodate the water application needs of maturing trees.

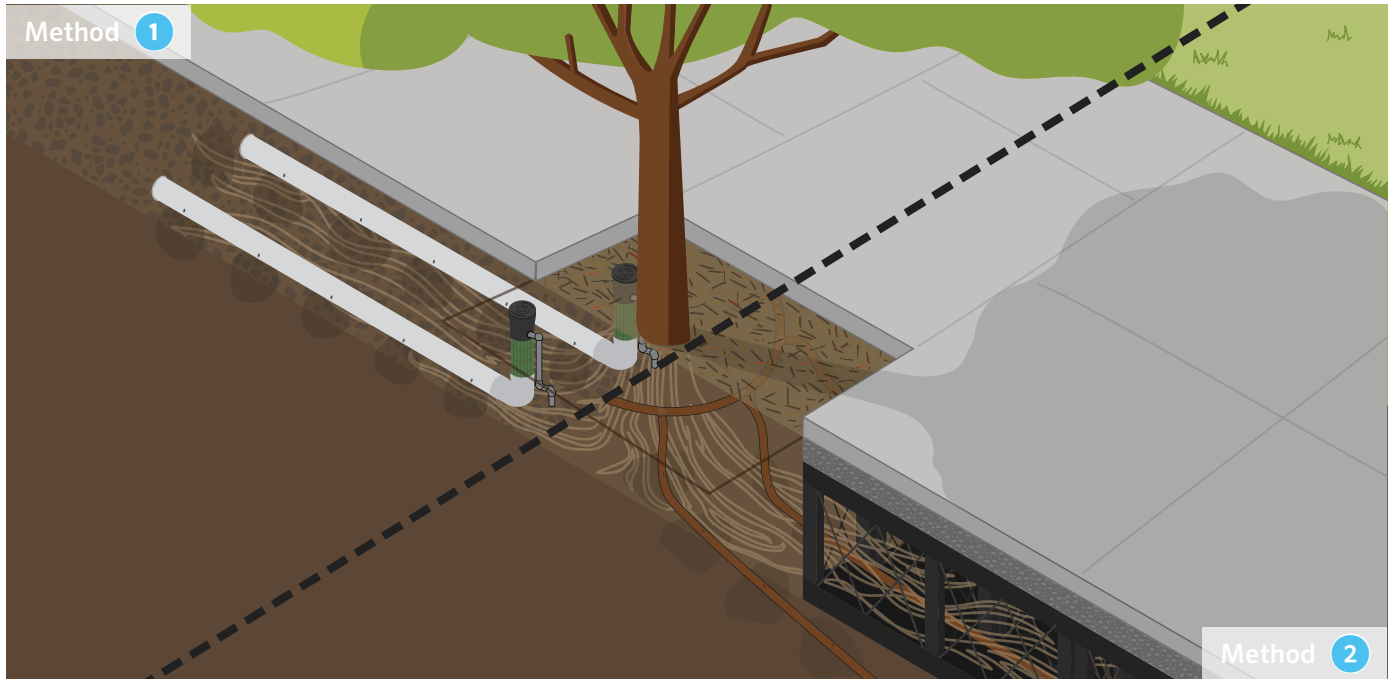
Trees are invaluable assets to our communities. They provide beauty and resources for built and unbuilt environments. A properly designed irrigation system will ensure the health and longevity of trees to maximize their benefits. This means creating targeted applications based on the age and surrounding conditions of each tree.

Trees in Engineered Spaces

Structured soils promote healthy tree growth in urban settings, but irrigating trees in these settings can be a challenge. For best results, combine high-efficiency application methods with appropriate water distribution techniques.

Method 1 (Structural Soil): Use the RZWS with a distribution tube to deliver water to the roots in fast-draining soils.

Method 2 (Soil Structure): Install HDL Dripline in distribution sleeves or an Eco-Wrap® System to apply water slowly to the root zone.



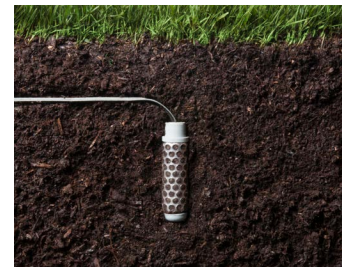
Note: Complex irrigation solutions like these apply water directly to tree root zones.

ADDITIONAL CONSIDERATIONS

Strategies to Ensure Long-Term Success

Develop holistic solutions to promote the healthy growth of trees in the built environment throughout their life cycles.

- Design with multiple irrigation solutions per tree to apply water efficiently and effectively to the root zone as the tree grows.
- Hydrozone all landscapes appropriately and irrigate trees separately from turf and shrubs. Remember to zone different tree irrigation solutions separately as well.
- Incorporate soil moisture sensors to monitor and manage water within the root zone.
- Consider the plant, soil, water relationship and plan to provide adequate water, nutrients, and airflow to the root zone.



Soil-Clik® Sensor

Trees do so much for us — provide us with oxygen, give us shade, and add beauty to our world. Choose high-performance irrigation solutions from Hunter Industries to help trees remain healthy and vibrant across all stages of their life cycles.

Website hunterindustries.com | **Customer Support** 1-800-383-4747 | **Technical Service** 1-800-733-2823

Helping our customers succeed is what drives us. While our passion for innovation and engineering is built into everything we do, it is our commitment to exceptional support that we hope will keep you in the Hunter family of customers for years to come.

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Gene Smith, President, Landscape Irrigation and Outdoor Lighting