

Trees

Small to Large Trees | Solution: SQ Nozzles with 3/4 Spray Pattern



ADVANTAGES:

- Designed to precisely irrigate around the perimeter of trees and shrubs
- Water penetrates root ball slowly, deeply and evenly
- Can be installed on a variety of spray heads and risers for incorporation into many design plans
- Unique edge-to-edge capability reduces the number of nozzles needed, decreasing cost and installation time

INSTALLATION:

3QTR	SQ Series Square Pattern Nozzles - 3 Quarter Spray Pattern
1806	1800 Series Spray Heads
RISER	2" Riser
XCZ-100-PRF	1" Medium Flow Control Zone Kit



SQ
NOZZLES



RISER



1800
SPRAY BODY

TO DO LIST:

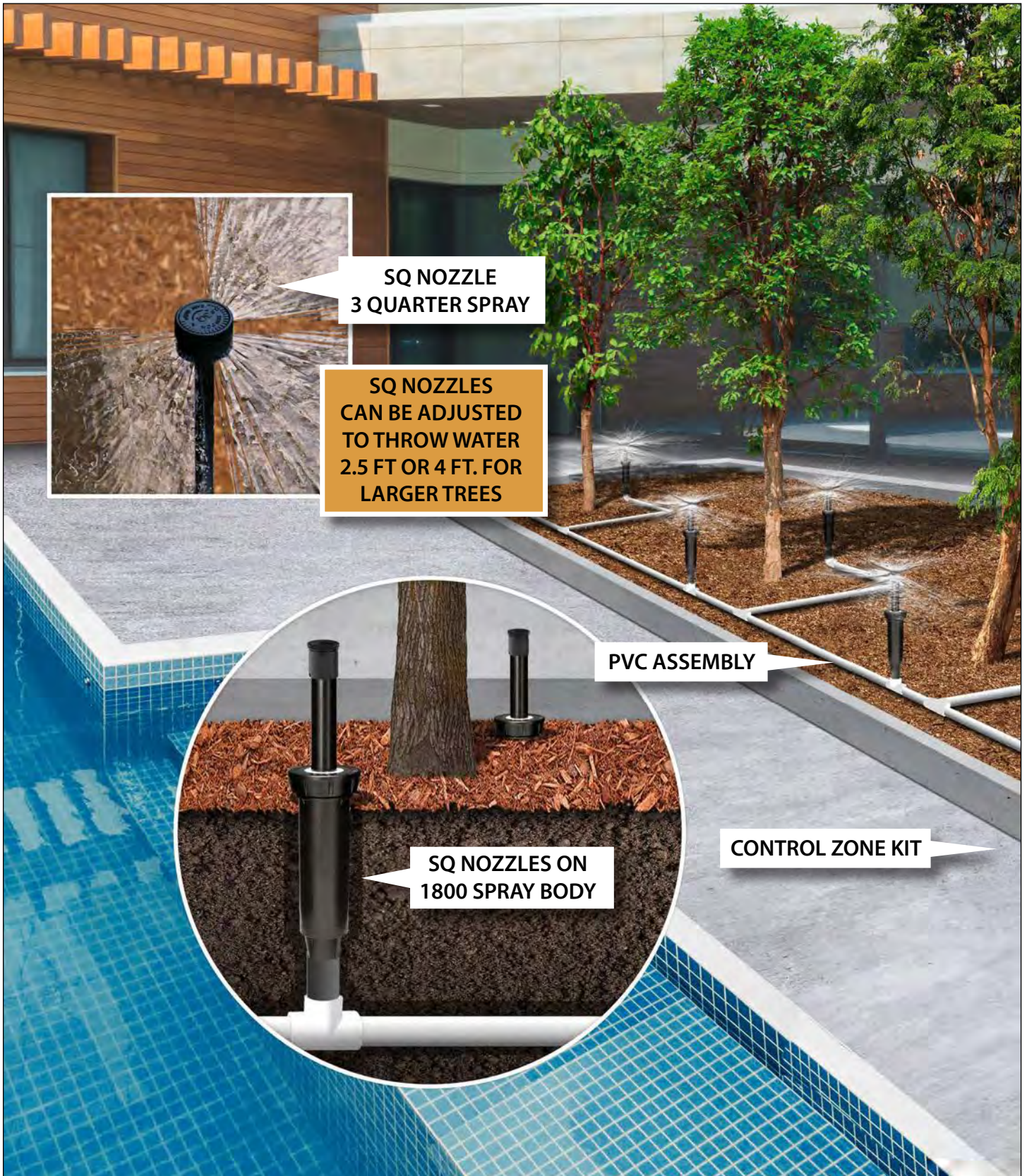
1. Assemble Control Zone Kit and connect to water source.
2. Connect PVC Assembly and install below grade.
3. Connect Risers to PVC Assemblies.
4. Connect SQ Nozzles to 1800 Spray Bodies and connect to Risers
5. Adjust SQ Nozzles for 2.5 ft. or 4 ft. throw distance

TIME: (approx.)

1. 1 hr
2. 1 hr
3. 5 min.
4. 10 min.
5. 5 min.

INSTALLATION AND MAINTENANCE TIPS :

- ◆ Flush the zone upon installation and 2-4 times per year.
- ◆ Install 1/2" Air Relief Valve Kit at high point in the system.
- ◆ Break up watering cycles to avoid run off or pooling of water in blocks.



**SQ NOZZLE
3 QUARTER SPRAY**

**SQ NOZZLES
CAN BE ADJUSTED
TO THROW WATER
2.5 FT OR 4 FT. FOR
LARGER TREES**

PVC ASSEMBLY

**SQ NOZZLES ON
1800 SPRAY BODY**

CONTROL ZONE KIT

Trees

Tree Rings | Solution: XF Series Dripline



ADVANTAGES:

- Flexible as the tree grows
- Protection from root intrusion
- No runoff = reduced liability in high traffic areas
- XF Dripline is easy to install, resulting in labor savings

INSTALLATION:

XFS-CV-06-12-250	XFS-CV Dripline (250 ft. Coil)
XFF-TEE	17mm Barb x Barb x Barb Tee
XFD-CROSS	Barb cross 17mm x 17mm x 17mm x 17mm
XFF-MA-075	17mm Barb x 3/4" MPT Male Adapter
TDS-6050	Tie Down Stake (50 pack)
ARV 050	1/2" Air Relief Valve
XFF-TFA-050	Barb tee female adapter 17mm x 1/2" FPT x 17mm
MDCF-COUP + MDCFAP	Easy Fit Fitting with Flush Cap
XCZ-100-PRF	1" Medium Flow Control Zone Kit



XFS-CV DRIPLINE



XF ADAPTER FITTING



XFD CROSS FITTING



XFF TEE FITTING

* Select appropriate dripline model based off emitter flow rate (0.4, 0.6, or 0.9 gph) and emitter distance (12" or 18")

TO DO LIST:

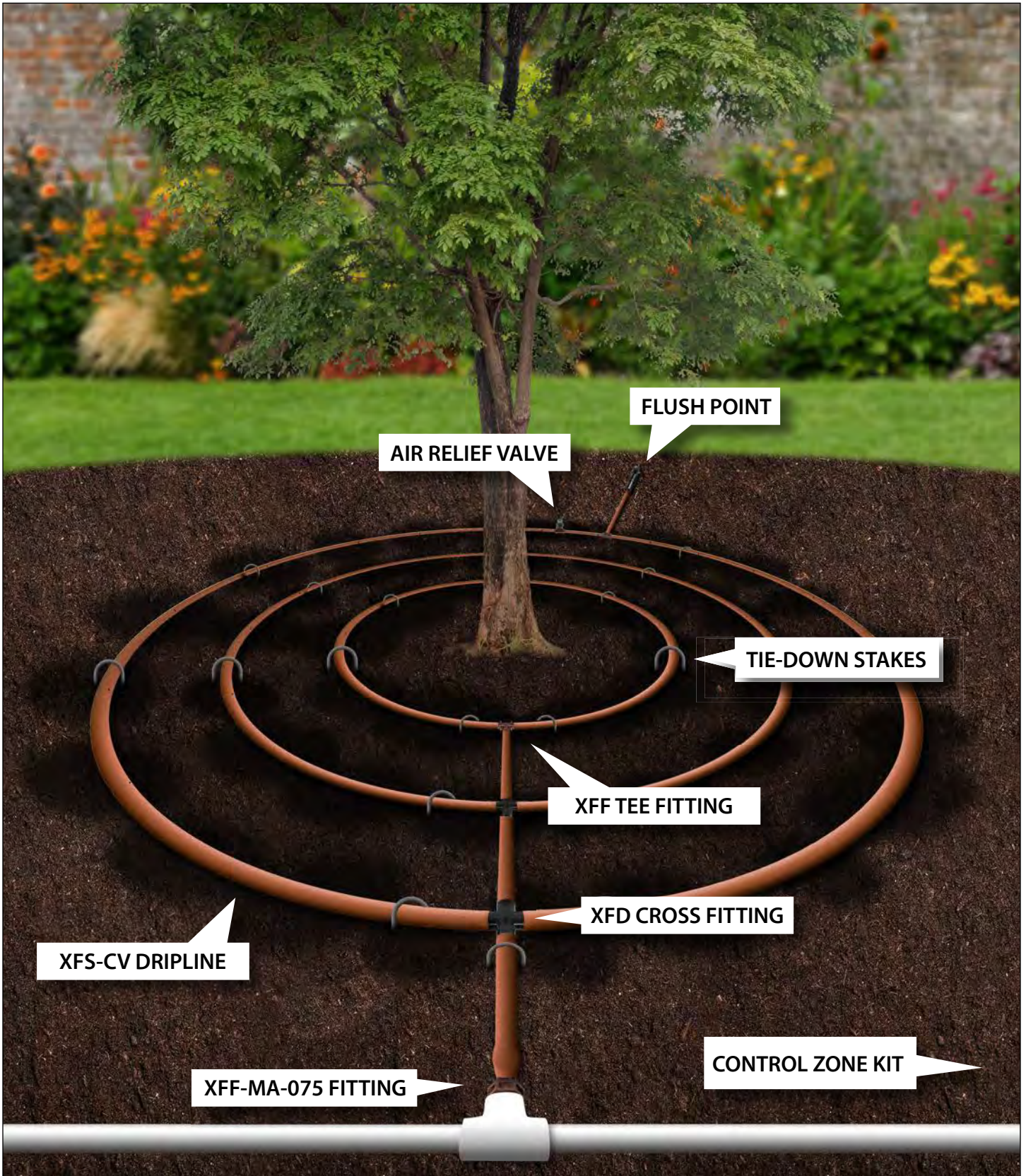
1. Assemble Control Zone Kit and connect to water source.
2. Cut lengths of XF Series Dripline and connect into circular grid with fittings and tie down stakes. Connect to Control Zone Kit.
3. Assemble and install Air Relief Valve: XFF-TFA-050 → ARV050 (1/2" Air Relief Valve)
4. Assemble and install Flush Point: MDCF-COUP → MDCF-CAP (Flush Cap)
5. Install planting material.

TIME: (approx.)

1. 1 hr
2. 10 min/50'
3. 5 min
4. 5 min
5. Variable

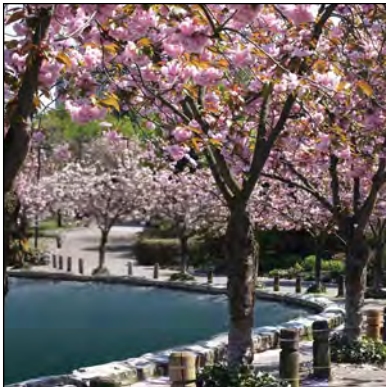
INSTALLATION AND MAINTENANCE TIPS:

- Flush the zone upon installation and 2-4 times per year.
- Install 1/2" Air Relief Valve Kit at high point in the system.
- Leave dripline coil in the sun while preparing for installation.
- Break up watering cycles to avoid run off or pooling of water in blocks.



Trees

Combination Applications | Solution: Root Watering Series with XF Series Dripline Blank Tubing



ADVANTAGES:

- Helps prevent damage to hardscapes from tree roots
- Promotes health in trees and shrubs
- Vandal resistant

INSTALLATION:

XCZ-100-PRF 1" Control Zone Kit
 RWS or RWS-M RWS Root Watering System
 XFD-XXX XF Series Blank Tubing
 MDCF Series Easy Fit
 Compression Fittings
 or 17mm Insert Fittings

Add other drip products as needed (optional)

* Select appropriate emitter flow rate



XFD



RWS

TO DO LIST:

- Dig a hole that accommodates the root zone of the tree and the 4" diameter RWS devices.
- Place the RWS locations adjacent to the root zone and within the tree canopy.
- The depth of hole will be based on root zone and the size of the RWS unit.
- Run ½" blank tubing to each RWS unit, creating the ½" blank tubing extensions from laterals using tee fittings.
- Connect the ½" blank tubing to the barb fitting at the side of the RWS unit.

TIME: (approx.)

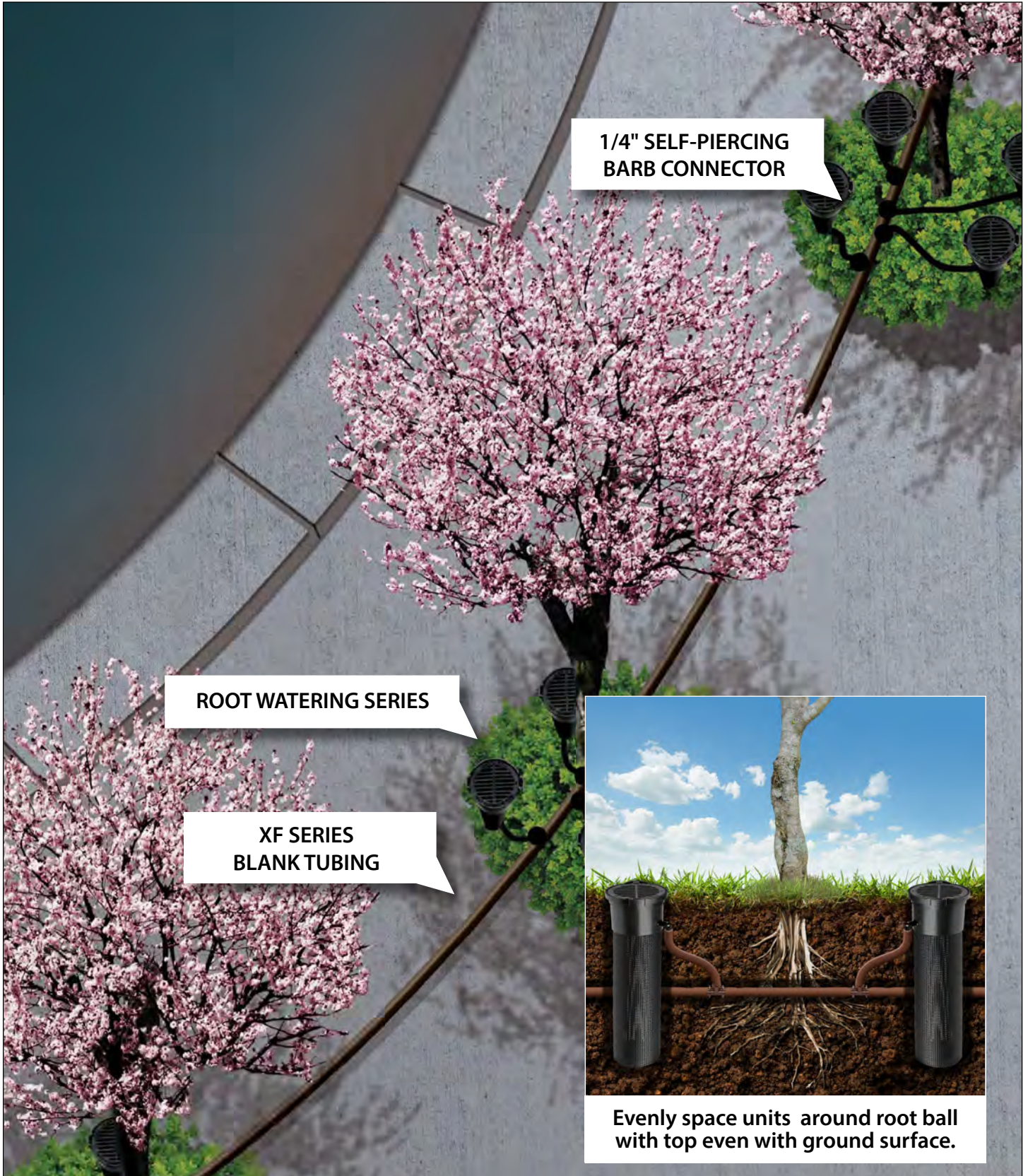
15 min
 1 min/RWS
 5 min/RWS
 1 min

INSTALLATION AND MAINTENANCE TIPS:

- ◆ Flush the zone after installation and 2-4 times per year.
- ◆ Leave XF Series Dripline Blank Tubing coils in the sun while preparing for installation.
- ◆ Install emitters and 1/4" Self Piercing Barbs with a Xeriman Tool (XM Tool) for 50% faster installation.

Drip Tip

Use two RWS for young/newly planted trees.
 Use three to four RWS for older/more mature trees.



**1/4" SELF-PIERCING
BARB CONNECTOR**

ROOT WATERING SERIES

**XF SERIES
BLANK TUBING**



**Evenly space units around root ball
with top even with ground surface.**