Drip Irrigation System Specifications

**DRIP IRRIGATION** is perfect for shrubs and groundcovers because it delivers water to each plant at the roots instead of spraying water all over.

- **Emitter** (Rainbird, 1 gallon per hour)
  Allows a limited trickle of water to drip out near the base of each plant

- **Micro-sprayer** (Rainbird)
  Deliver fine sprays at very low flow rates for plants that are too numerous to water individually.

- **Drip tubing** (1/2-inch and 1/4-inch vinyl drip hose)

- **Connecting fittings** (Rainbird)
  Tees, elbows, couplers

- **Main piping** (1-inch PVC schedule 40 irrigation mainline to valves)

**IRRIGATION CONTROLS**
(3/4-inch Rainbird Control Zone Kit)

- **Filters** prevent small particles from clogging emitters and micro-sprayers

- **Pressure regulators** reduce water pressure to the 15-25 pounds per square inch (PSI) required by drip systems

- **Anti-siphon valves** (XACZ-075) prevent water from being drawn back into the drinking water supply

- **Flush valves** (KBI 1/2-inch ball valves)
  Drip systems need periodic flushing to prevent emitters from clogging. Flush valves at the end of each main drip line are opened for a few minutes to wash particles out of the tubing.

- **Quick-coupler** (Rainbird)
  Used to attach hose for hand-watering, if needed

- **Water meter**
  Records the Garden’s hourly water use

**Controller**
(TBOSCMUS 4-station battery-operated)
An irrigation controller starts and stops watering at specified times each week, based on plant needs and the season of the year

**Solenoid adapter** (TBOSADAPP)
Connects irrigation controller to valves

Note: This diagram is for informational purposes only and may not reflect the current state of the Garden. Additionally, it does not constitute an endorsement or recommendation from Stanford University of any of the manufacturers or equipment.