

# Benton Irrigation District

February 2014

TO: Benton City/Benton Irrigation District Water Users

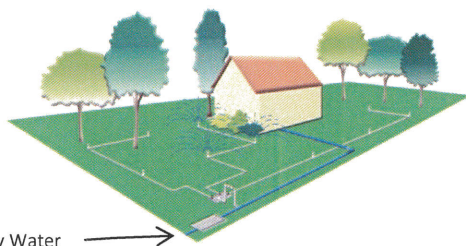
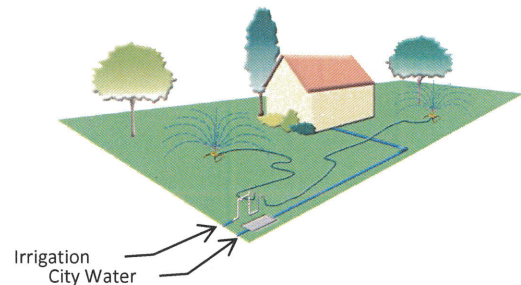
This spring, Benton Irrigation District (BID) will have completed the last phase of irrigation system improvements with water deliveries installed to all parcels. With April 1 approaching and the turning on of the new irrigation system, the following is provided so you may be prepared with your own watering system.

1. Landowners are responsible for the final connection to the irrigation delivery. In most cases, this is a 1-inch male threaded pipe buried approximately 18 inches below ground surface.
2. Be absolutely certain that you **DO NOT cross-connect** irrigation water with City or domestic water sources.
3. Water service will be available on or about April 1. You may turn your water on and off at your convenience at the service valve. You may notify BID of service problems 24 hours a day by leaving a message on the Water Line number (509-588-3510).
4. Residential deliveries for parcels less than 1 acre in size receive 6 gallons per minute (gpm), the 1-acre allocation. Pressure is approximately 50 to 70 pounds per square inch (psi) while operating at or below the allocated flow. The delivery pressure is **NOT** maintained if flow is above the allocated value.
5. Existing irrigation systems will likely require adjustments to operate within the delivery parameters (see below). Questions may be submitted to the Water Line number (509-588-3510).
6. The option to increase residential delivery to 12 gpm with use on alternating days **MAY** be available (system limitations apply). Interested landowners can sign up after April 1. A one-time fee for the cost of the flow control valve (plus tax) and a nominal installation charge (approximately \$30 to \$40 plus a \$50 installation fee) will apply.
7. **DO NOT tamper with or modify your delivery to exceed allocated flow.** Tampering will result in interruption of service and the landowner will be charged for damaged equipment, service fees (minimum \$250), and penalties as outlined in BID's by-laws.

## What to do now that you have irrigation water

### • If you water with a hose and sprinkler:

- Install a hose bib on the new delivery attaching to the underground pipe
  - Suggested materials – galvanized iron pipe 1-inch elbow, 24" x 1" pipe nipple, 1-inch hose bib, and pipe sealant
  - Please use two pipe wrenches to install
- Select a sprinkler (or combination of sprinklers) that operates on 6 gpm or less at 50 psi
- Turn on your delivery and begin watering

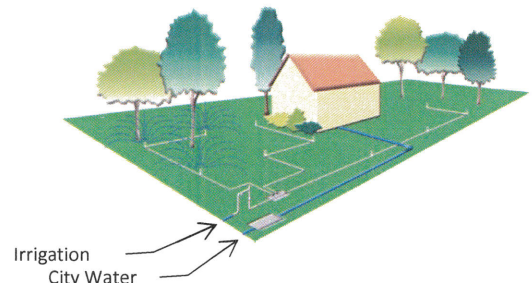


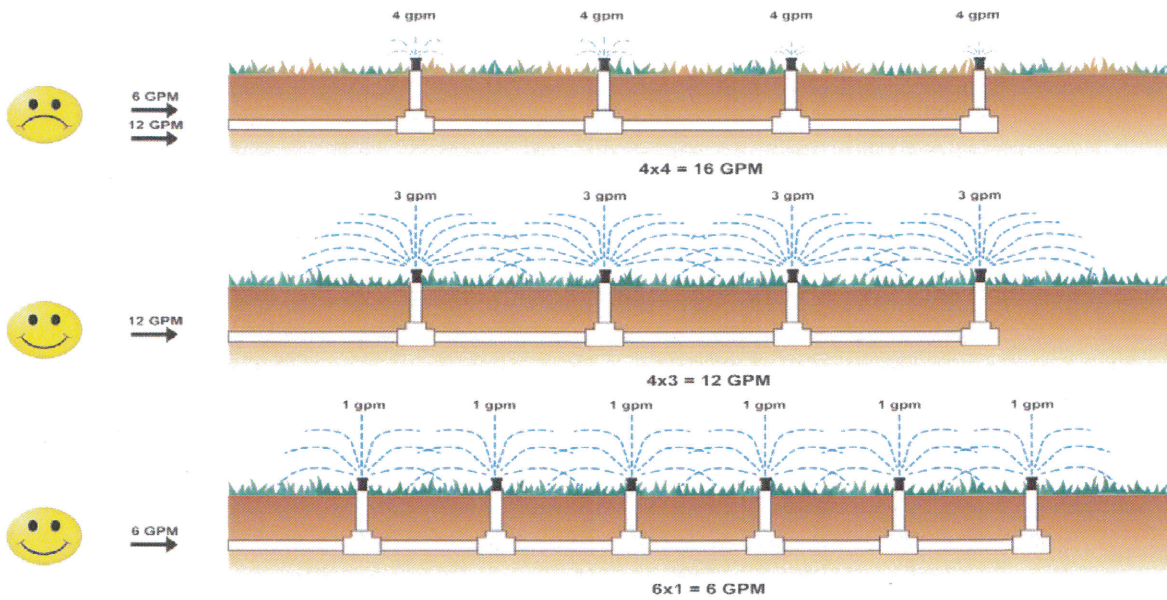
Existing in-ground irrigation system

### • If you have an in-ground or automatic sprinkler system:

- Examine your existing system noting the following -
  - Number of zones
  - Number of sprinklers per zone
  - The type of sprinkler heads and flow rate of each
- Compare current system use with irrigation delivery flows (see other side of page)
- Determine if you can or want to stay on 6 gpm with daily watering or will switch to 12 gpm on an alternating day use (item 6 above)

- If necessary, adjust each zone to operate on the selected flow
  - Re-head sprinklers with suitable flow heads
  - Re-segment zones to match total flow with delivery flow
- Connect the irrigation service to the irrigation system (**REMOVE AND ISOLATE CITY WATER**)
- Program system run times for appropriate water application





**BENTON IRRIGATION DISTRICT CONTACT INFORMATION:**

**Water Line (24-hour recording for delivery concerns)**  
**Billing Department (7 a.m. to 1:30 p.m., Monday through Friday)**  
**Board Meetings**

**509-588-3510**  
**509-588-4396**  
 Second Tuesday at 3:00 pm  
 Fourth Monday at 8:00 am

Benton Irrigation District  
 P.O. Box 626, 47506 N. Highland  
 Benton City, WA 99320