AMERICAN
Manufacturing Company, Inc.

PERC-RITE® PRE-INSTALLATION GUIDANCE SUMMARY

PRE-CONSTRUCTION GUIDANCE FOR

The following are recommended steps prior to initiating construction.

1. Purchase and have delivered all additional standard parts such as PVC pipe, treatment tanks, and electrical wiring, that is available.
2. Rent the proper machine for tubing installation. A vibratory plow is required for in-ground installs; no cable pullers.
3. Make sure the drip equipment package is complete once it has been delivered.
4. Using an elevation control method, lay out each tubing run on contour. Confirm that the drip install area has been properly marked in the field and is on contour and that the site is ready for installation. Tubing can only be installed in dry soil conditions.
5. Notify the "Startup" Dealer you are starting a new installation and a startup inspection will be needed soon.

NOTICE: A 28 page Dealer manual is available to all installers for detailed instruction. Installers who have not gone through American Perc-Rite® training please call your Dealer or Distributor for scheduling the training.

TRAINING OPPORTUNITIES

American Manufacturing provides drip training in several formats. We assist local and state regulators in developing seminar materials to describe the complete drip system design, installation, and operation, in accordance with the National Standard adopted by "NOWRA". We work with academics in the same manner. There are also conference opportunities for training through NOWRA and its' affiliates.

For installers who need immediate training to perform a new system install, American can provide online help with a "Zoom" call seminar that describes the system in as much detail as the installer needs. Questions can be answered as needed.

Our field sales personnel are available for hands-on training during the installation itself. However, lead time is necessary to plan this training. Our personnel are busy so scheduling well ahead of time is important.

Site visits to American in Elkwood, Virginia are available for in-house hands-on training. Again, scheduling well ahead of time is necessary.

PERC-RITE® DRIP SYSTEM INSTALLATION PROCEDURE

The following are recommended construction steps:

1. Deliver necessary equipment to the site and stage in an area where access and egress will not damage the installation area.

2. Prepare dispersal area for installation.

3. Set the septic tank, treatment unit (if applicable), pump tank and components including the pump, the Cool Guide™, the pump kit, the float tree, as well as the junction box, and wiring.

4. Place Hydraulic Unit at location specified on the design. A drained gravel base is needed. Gravity flow is needed for the flush line back to the building sewer line prior to the first tank. Mount the control panel and complete all necessary wiring. Make sure to properly ground the panel.

5. Dig ditches for supply and return manifold.

6. Dig ditches for supply and return lines.

7. Cut the tubing at the proper lengths (+4') and Install drip tubing at depth specified by the designer per instructions. (Cover ends with duct tape)

8. Construct loop ends to connect runs of tubing. Loop ends should be elevated to pitch into the drip tubing with specified final cover. Install loops (flex tubing) connecting ends of drip tubing.

9. Dry fit pressure lines and field manifolds.

10. Glue all fittings and place air release valve boxes around air release valves.

11. Install electrical service and connections to components.

IMPORTANT: Notify the "Startup" Dealer you are starting a new installation and a startup inspection is requested.

12. **Before backfilling any of the system components,** the start-up must be performed. This must be scheduled with the Contractor. The pump tank must be filled with clean water for the Start-up and the system needs to be pressure tested for leaks prior to being backfilled. Flush all fields through the air release valves. Operational checklist should be filled out.

13. Add the enclosure to the Hydraulic Unit and prepare to backfill around all components.

14. Backfill once lines and fields are determined to have no leaks. Backfilling is to be controlled to prevent damage to the pipes or fittings. Do not compress soil over the field.

16. Grade, seed, and mulch site and coordinate final inspection.

17. Fill out and send in the warranty registration form.