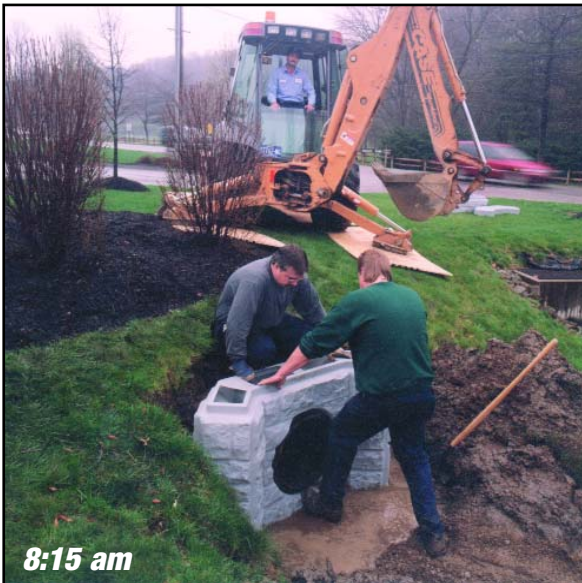


# The **HARTMANEW**™ System

## A PLASTIC S.I.P. FORM FOR ENDWALLS LIGHTWEIGHT, EASY TO INSTALL



## The HartmanEW™ System Installation Instructions

1. Excavate trench and place pipe as you normally would. NOTE: Proper compaction of material is essential for best results.
- 1a. FOR RETROFITS ON EXISTING PIPE: Remove old endwall. Excavate around pipe so that the Hartman Endwall can be installed. (6'-0" wide x 2'-0" deep). NOTE: Proper compaction of material is essential for best results.
2. OPTIONAL: Use of adapters may be needed for smaller pipe sizes. If so, slide adapter into base unit, matching male to female plug on the bottom back of the base unit's collar. Attach with 3 galvanized screws at spaces provided on the collar, before sliding base unit over the pipe.
3. Slide the base unit of the endwall over the pipe and position it where you want. Attach the base unit to the pipe with 3 galvanized screws in back collar at spaces provided.
4. Fill the base unit with material. NOTE: Leave some room at the top for possible expansion of material due to freezing.
5. OPTIONAL: Place the sectional piece onto the base unit and attach with 4 galvanized screws inside at the 4 corners.
6. Fill the sectional piece with material. NOTE: Concrete should not be used as a fill material in the sectional piece. Leave some room at the top for possible expansion of material due to freezing.
7. Place the cap on and attach with 4 galvanized screws at the corners to secure it. NOTE: High winds can pull the cap off if it is not secured properly.
8. OPTIONAL: Place reflective tape in recessed area on cap. Attach delineator sticks at protruding locations provided on the back corners.
9. Backfill around pipe and the Hartman Endwall. NOTE: Use proper compaction for best results.
10. ENVIRONMENTAL: Put large stone in tail ditch below the pipe and seed all around excavated area to minimize soil erosion.