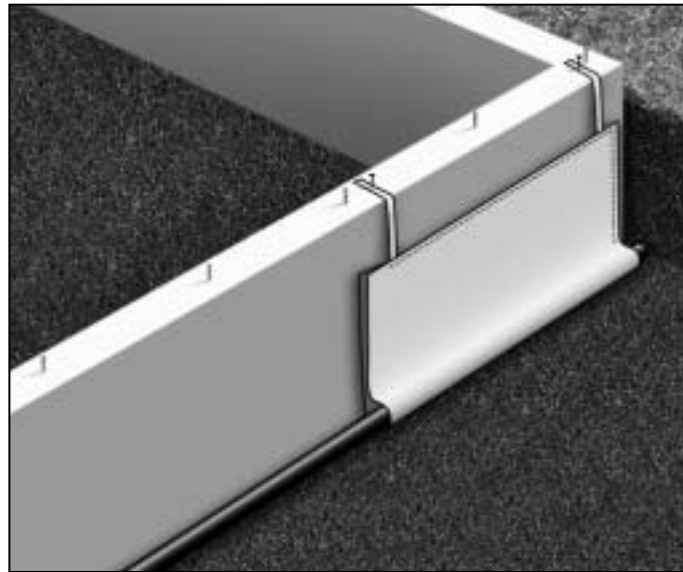


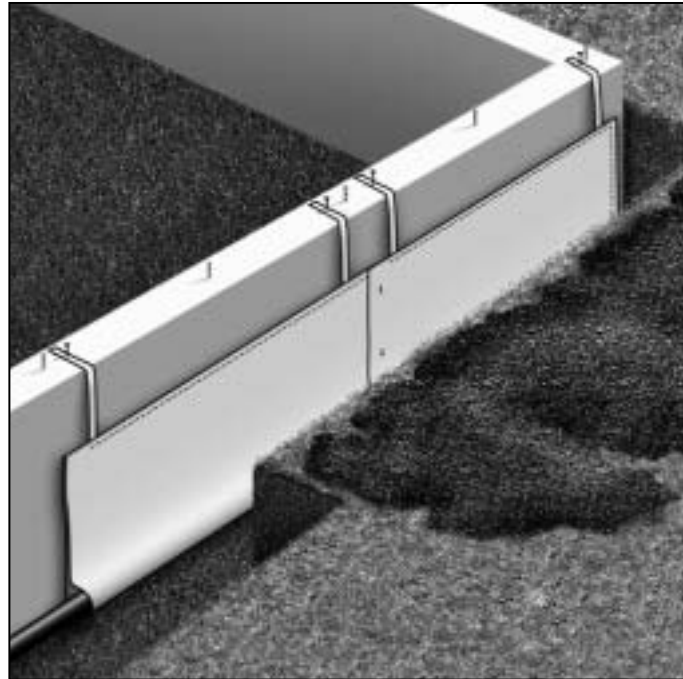
Prefabricated Drainage Systems from Eljen

Instructions for Retaining Wall & Foundation Installations

1. Determine the direction(s) the water will drain after system is installed.
Note: It is very important that there is a slight pitch to the pipe in the direction(s) that the water is to drain.
2. Roll out corrugated, perforated drainage pipe along the length of the wall.
3. Insert the end of the pipe into the bottom of the open flap end of the first panel, on the outside of the plastic core, and slide the panel along the pipe the full length of the panel.
4. Nail or tie the panel's straps to the top of the wall to support the panel.
5. Insert the opposite, free end of the pipe into the slit (at the bottom of the sewn end) of the next panel, position it on the outside of the plastic core, and slide the panel along the pipe.
6. Position the leading end of the second panel inside the flaps of the first panel so that it butts the plastic core of the first panel.
7. Nail or tie the straps of the second panel to the top of the wall to support the panel.
8. Use the supplied safety pins to join the two panels in four places where they overlap: Top, middle, bottom and just above the pipe.
9. Continue as above with additional panels.
10. If water is to be drained from only one end of the wall, attach an appropriate length of *non-perforated* pipe to the drain end. The non-draining end should be capped to prevent soil from entering system.
11. **Make sure that in each panel the pipe is positioned next to the core on the side away from the wall.**
12. Backfill the excavated material against the completed system. Cover panels completely. If the fill has stones over 2" in it, you should protect the drainage system from damage by leaning sheets of 1/2" plywood next to the system.
13. Cut off the hanging straps. None of the system should now still be visible.
14. Contact your sales representative if adapters are needed.



Steps 1 through 4



Steps 5 through 8

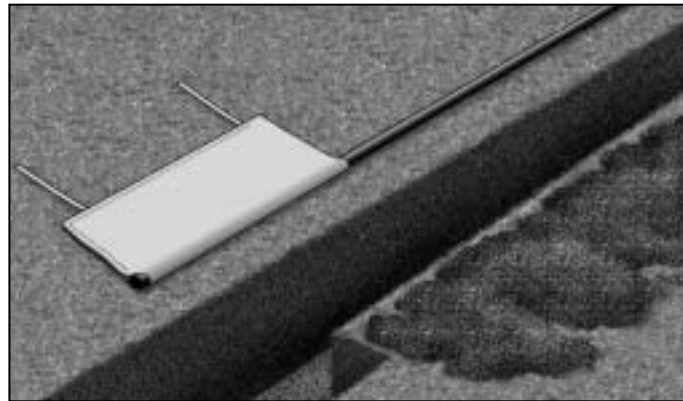
eljen
CORPORATION

10 North Main St., Suite 216, West Hartford, CT 06107
800-444-1359 • 860-610-0426 • Fax: 860-610-0427
Email: info@eljen.com • Website: Eljen.com

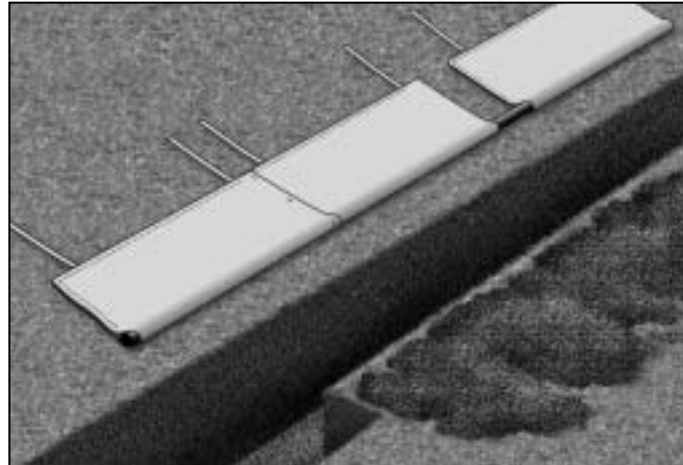
Prefabricated Drainage Systems from Eljen

Instructions for Trench or Berm Installations

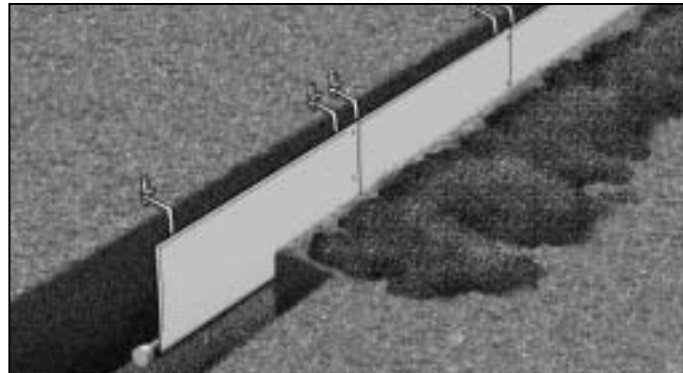
1. Check trench grade to make sure the trench is sloping to one or more low points for water drainage. Start excavation at the high end. Pile excavated soil on the downhill side of trench.
2. Roll out corrugated, perforated pipe on uphill side of the trench.
3. Lay the first panel on the ground at one end of pipe, with the open end of the panel (the end with the flaps) facing the pipe.
4. Insert the end of the pipe into the panel, so it lays on top of the plastic core, and slide the panel along the pipe the full length of the panel.
5. Insert the opposite, free end of the pipe into the slit (at the sewn end) of the next panel, position it on top of the plastic core, and slide the panel along the pipe.
6. Position the leading end of the second panel inside the flaps of the first panel so that it butts the plastic core in the first panel.
7. Use supplied safety pins to join the two panels in three places where they overlap: Top, middle, and bottom.
8. Continue as above with additional panels.
9. If water is to be drained from only one end of the system, the non-draining end should be capped to prevent soil from entering the system.
10. Tie the end of each panel strap to a loose stake.
11. Carefully lower the completed system into the trench. For larger systems it's often easier, safer and quicker to fold the panels over, loop several ropes around the system while it's still laying on the ground and have several people lower the system into the trench.
12. Extend the straps up out of the trench and knock the stakes into the ground, on the uphill side, so that the plastic cores inside the supported system just touch the bottom of the trench.
13. **Make sure that the pipe is positioned next to the core on the *uphill* side of the trench.**
14. Backfill the excavated soil against the completed system. Cover panels completely. If the fill has stones over 2" in it, you should protect the drainage system from damage by leaning sheets of 1/2" plywood next to the system.
15. Cut off the hanging straps. None of the system should now still be visible.
16. Contact your sales representative if adapters are needed or if the installation is over 150 feet long.



Steps 1 through 4



Steps 5 through 8



Steps 9 through 13

eljen
CORPORATION

10 North Main St., Suite 216, West Hartford, CT 06107
800-444-1359 • 860-610-0426 • Fax: 860-610-0427
Email: info@eljen.com • Website: Eljen.com