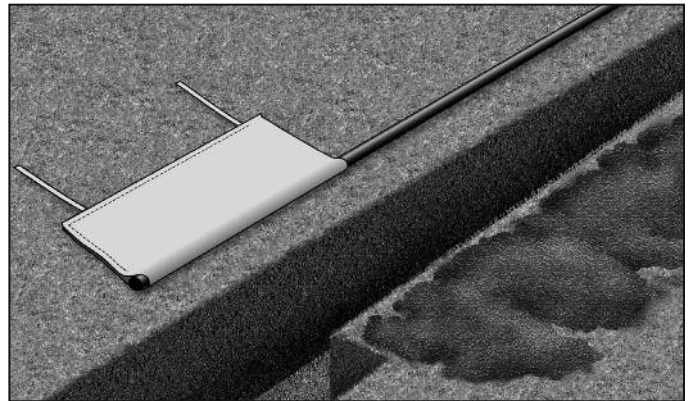


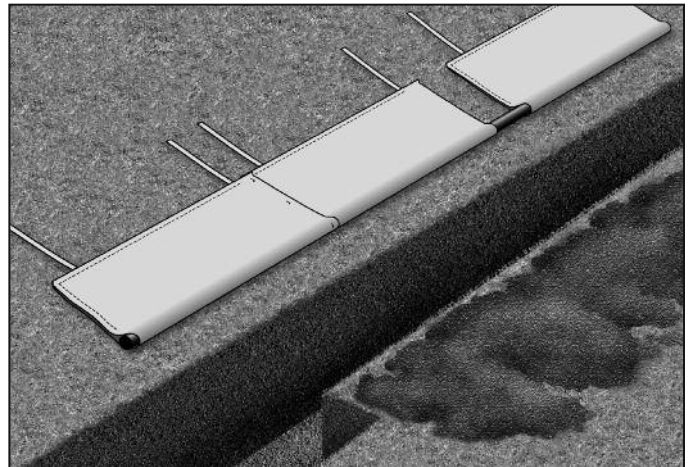
# Prefabricated Drainage Systems from Eljen

## Instructions for Trench or Berm Installations

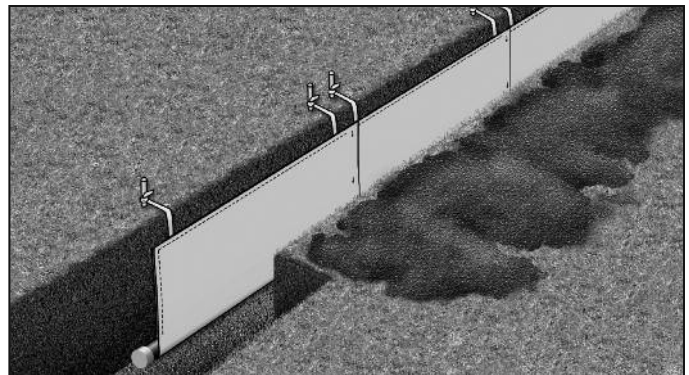
1. Check trench grade to make sure the trench is sloping to one or more low points for water drainage. Start excavation at the high end. Pile excavated soil on the downhill side of trench.
2. Roll out corrugated, perforated pipe on uphill side of the trench.
3. Lay the first panel on the ground at one 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

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