



Your #1 Source For All Things Drainage

Source 1 Environmental, LLC • Davison, MI 48423

CHANNEL DRAIN INSTRUCTION MANUAL

The perfect solution for the dispersal of unwanted surface water.

For residential and non-residential applications.

1. Dig a trench deep enough to allow for a 2" bed of sand and wide enough to accept a 4" backfill of concrete on each side.
2. Fix a string for the finished height of the channel. If using bottom outlet, determine its location. Spread and compact the sand base.
3. If using bottom outlet, use a 3" hole saw to open the outlet. Otherwise, skip this step and proceed on to step #4.
4. Remove grates to access End Cap and End outlet. When using the Female side, slide End Cap or End Outlet in channel. For Male side, pop End Cap or End Outlet into channel.
5. Working from the Outlet End, install the channel using the string line to set the grade.
6. For "ELL, TEE, or X" installations, use the Source 1 Quad Corner.
7. If necessary, cut a channel and grate to length. Use tape to hold the End Cap in place during pour.
8. Install the channel and secure with 1/2" rebar and wire ties.
9. Use tape to cover the grates and the grate lock holes on the side of the channel to keep them clean during the pour.
10. Vehicular traffic applications: Backfill with concrete, float off channel 1/16" below finished level concrete.
11. Asphalt: Do not pour asphalt against channels. Backfill with concrete a minimum of 4" each side.
12. Alternative applications: Backfill with concrete a minimum depth of 3" extending away a minimum of 4" each side. Install pavers or backfill with soil.
13. Allow sufficient time for the concrete to fully cure before exposing to traffic or removing grates.



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