

# FastTrack™

## ➤ Trench Drain Installation Guide

Always wear protective gear and observe safety precautions when installing the FastTrack system.

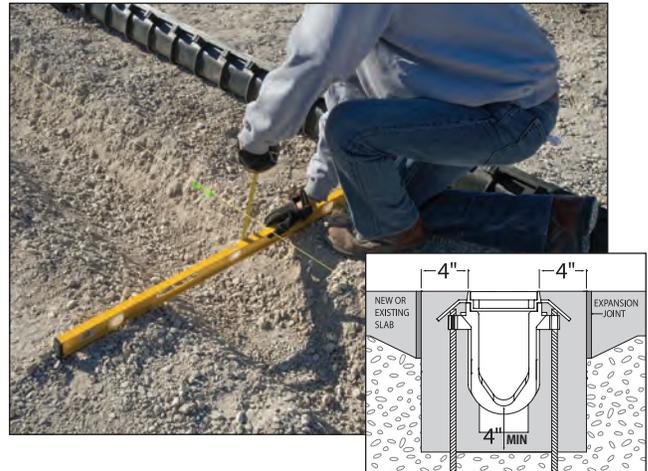
### Plan/Excavate

Excavate a trench for the FastTrack, considering both load class and slab thickness. All channels must be encased on three sides with a minimum of 4" of concrete. For slabs thicker than 4", encasement must be equal to slab thickness. The engineer should determine slab thickness based on application and traffic rating.

Concrete encasement is required regardless of surface type (concrete, asphalt, pavers, etc.).

Expansion joints will be needed on each side of the trench, according to specifications. Do Not use the FastTrack as an expansion joint.

Set a string line in the trench at level of final slab elevation to use as a guide.



### Layout Channels

Lay out the channels, in order, alongside the excavated trench, starting with the deepest point and working back. Be sure flow arrows point towards the outlet end.

For End Outlet: Open the end outlet fitting using a hole saw. Attach the end outlet with screws to the deep end and the end cap on the shallow end. If using an end outlet, be sure to allow for sufficient slab thickness above the outlet and pipe.

For Bottom Outlet: Using a hole saw, open the bottom outlet in the deep end and install end caps on both the deep and shallow ends.



### Assemble Channels

Set channel sections in order into the trench. Beginning at the outlet end, connect the channels together using silicone sealant in the groove if desired.

If Using Iron Grate Frames: Remove the construction covers and install iron grate frames. Reinstall the construction covers in the frames.

Slide the construction covers (downstream) such that they overlap the joint - this will help prevent misalignment at the joints.



## Anchor with Rebar

Beginning at the outlet end, install rebar into the anchor clips on either side of the channel and drive rebar into the ground. Adjust channel vertically to the proper elevation, checking for level and alignment using the string line as a guide. The top of the channel should be set  $1/16''$  to  $1/8''$  below finish slab level.

When the channel is in proper position, secure the rebar into the anchor clips using screws or tie-wire to lock in place.

Continue the installation with upstream sections, setting with rebar, checking for elevation, level, and alignment until all channel sections are set.



## Set with Concrete

Confirm all channels are in final position and anchored with rebar and screws (wire) in ALL available anchor clips to keep the run as secure as possible. Be Sure:

- Channels will be encased in 4" of concrete (min.)
- Expansion joints will be installed on each side
- Channel is recessed  $1/16''$  to  $1/8''$  below the finish slab

Connect drain piping to the channel outlet according to plans using a No-Hub coupling.

Set concrete "pads" around rebar, under and on sides of the channels to prevent movement or misalignment during the final pour.

Pour the concrete slab around the installation and vibrate to eliminate voids in the pour.



## Final Inspection

After the concrete takes final set (24 hrs. min), remove the construction covers. Inspect the installation to be sure channels and drain piping are free of debris. Set appropriate grating in place and secure the grates into the grate anchors using screws.

