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Polylok Trench Drain Installation in Soil or Non-Traffic Load Bearing Applications

A trench drain design and layout should be prepared prior to installation. Include discharge outlets in design. Trench drains should pitch away 1" per 20 feet from a building. Polylok trench channels accept leveling blocks to aid in installation or rebar can be installed and wire-tied to aid in leveling the channel. Tees and 90° accessory fittings are available.

1. Clear the area of all debris where the trench is to be installed.
2. Set-up the area with grade stakes and lines for grade control.
3. Excavate the trench area two inches deeper than trench depth.
4. Make trench width wide enough to accept and align trench drain.
5. Install a sand base in trench channel and level; do not use excavated soil.
6. Check leveling and alignment of trench sections to ensure grate is at grade.
7. Install grates and connect the trench sections to required distance.
8. Trench sections may require removal of some screws to lift grate to connect the trench sections together if grates are screwed down.
9. Install trench end cap and outlet cap to the discharge outlet pipe.
10. The trench grate should be covered with a tape to seal out any sand before the final fill to stabilize the trench.
11. There are several final fill materials that can be used to seal in the sides and ends of trench drains and provide stabilization. Some materials have trade names but many common filler materials can be used in this application as they have interlocking shaped sizes that can be compacted down and stabilize the trench drain in position. Crushed stone is ideal; do not use excavated soil.
12. After final trench leveling and backfilling, remove tape from the grate and check to tighten all grates and screws.

Note: The above instructions are for non load-bearing applications and will not accept vehicle loads and are for drainage only applications. Additional instructions are available for H-20 load applications.

Note: These instructions are for installers who are familiar with excavation techniques and have experience with installations of these or similar products.