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Installation Instructions
PSC Trench-Driveway Drain

Tools and Materials Recommended

- ◊ Channel Drain to fit desired length
- ◊ Solution for waste water (connection to sewer system, drainage field via pipe or drainage conduit. We recommend a rubber 4" to 4" flex conduit connector
- ◊ Shovel
- ◊ Measuring tape
- ◊ Material for substrate (recommended 3/4 crush gravel, or concrete)
- ◊ Hand tamper (use a sledgehammer and a steel plate in absence of a tamper)
- ◊ String and Level
- ◊ Saw (if using bottom outlet)

Special points of interest:

- Made strong with UV stabilized PP plastic
- 660lb load capacity on plastic grate
- 3306lb load capacity for Zinc grate
- Complaint to EN 1433-A-15
- Extra heavy version available (Special order) with capacity to 27,555lbs Compliant to 1433 -B125

Your Kit Includes

- two piece channel body, Total length 40"
- grate cover (either Zinc coated, or Plastic)
- Instructions

Be sure to read completely and understand the instructions bellow before installing.

This is a basic installation guide, please check State and Local codes for differences.

1. Prepare a trench a MINIMUM of 5 1/4" wide (only if installing in pre-existing concrete). Recommended width is over 13" width. Deep enough to have a minimum 2" deep footing.
2. If using the bottom outlet, locate the placement and prepare the connections to allow the drain body to have minimum of 2" fill under the channel.
3. Set a string level 1/8 inch under the height of the planned surface sloping gently toward the drainage side of your channel.
4. Spread and compact your base to allow the channel to sit flat on the compacted base of sand or gravel. (If using fresh concrete as a base have an additional 2" compacted gravel base.)
5. If using the bottom outlet use a reciprocating saw or hand saw to cut away the internal plug, (you may need to predrill a hole to start the blade.) Skip this step if using end outlet.
6. Plan the use of end caps (to prevent dirt infill) and end outlets as needed.

7. Slide end cap into female end (if desired: use a glue meant for polypropylene or use an activator compound and “superglue”) Other wise allows clip action to hold the ends in place.
8. If needed cut the female end of the channel to fit and apply end plate with polypropylene glue or tape until trench is backfilled, the ends will now hold themselves in place.
9. Once connected to drainage piping with rubber flexable coupling, prepare to backfill.
10. If backfilling with concrete hold the drain in position by placing stakes to hold lateral position and wiretie the channel body to the stakes for vertical control.
11. Cover grates with tape or plastic to prevent filling the channel or damaging the grate. Grate must be in place when backfilling to ensure grate fits once back filled.
12. Backfill trench ensuring full support for channel body.

    If 3/4 gravel is used: compact well with tamper. Avoid hitting the channel body or disturbing it’s level until backfill is complete.

    If concrete: pour a minimum of 4” wedge to support the channel body.

    Recommendation is to pour a full 4” backfill of concrete 1/16” to 1/8” above the grate cover.

    If installing pavers or cold press asphalt:
    Backfill with concrete or crushed gravel out to 4” away from the channel and a minimum depth of 3” Install pavers or cold press asphalt once back fill is set and/or compressed.

    Allow any concrete to fully cure before exposing to traffic or removing grate.