

Unimi-1Base™ foundation is designed as a hardware agnostic attachment point for electric vehicle (EV) chargers. The foundation is dug into the ground to such depth that the top of the foundation is flush with ground or relevant paving material. The EV charger is attached to the Unimi-1Base™ foundation using an adapter. If no EV charger is immediately attached, a separate lid (manhole cover) is used to cover the foundation opening.

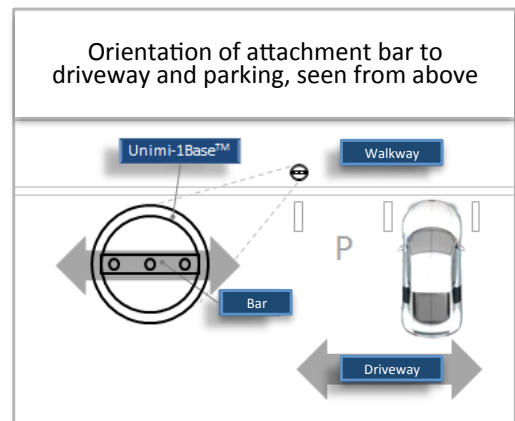
The foundation is installed in vertical position. Further, the direction of the attachment bar in the foundation is oriented to allow attachment of EV charger into desired position. In a typical case, the direction of the attachment bar is parallel with the driveway – see picture on the right.

Key dimensions of the foundation:

Weight: approx. 100 kg

Height: approx. 600 mm

Diameter (external): approx. 400 mm



1. Prepare trenching for cable conduits and Unimi-1Base™ foundation to necessary depths.
2. Add gravel to the bottom of the trench / foundation hole, to such thickness that the top of the foundation will reach desired level when lifted into the hole. Remember to consider the possible paving materials when setting the level – asphalt, paving stones etc.
3. Cover the un-used conduit openings with plugs accompanying the foundation.
4. Lift the foundation into the installation hole – the attachment bar embedded in the foundation can be used as a lifting point. Make sure the foundation is set upright, and turn the foundation to such position that the orientation of the attachment bar is correct.
5. Lay the cable conduits into the trenches and install conduits to relevant inlets. Draw electric cables through the conduits into the foundation.
6. Tighten the foundation to its place by filling the excess space outside of foundation with gravel, and set the ground by using a vibrator. Avoid gravel getting inside the foundation. Set the final layer of gravel so that the top of the foundation will be flush with ground or the final paving material. Finally, re-check that foundation has remained in upright position.
7. Attach the correct adapter and EV charger. Or, alternatively, set a manhole cover to protect the foundation until such time when the adapter will be attached.