

COMMERCIAL EV CHARGING INFRASTRUCTURE



Location: Amesbury, MA

Scope:

- Commercial EV charging electrical infrastructure
- DC fast charger installation
- Underground conduit and feeder installation
- Utility service and transformer coordination
- Switchgear and electrical distribution
- Equipment pads and foundations
- Charger equipment connections
- Protective bollards
- Trenching, excavation, and site restoration
- Equipment startup and commissioning

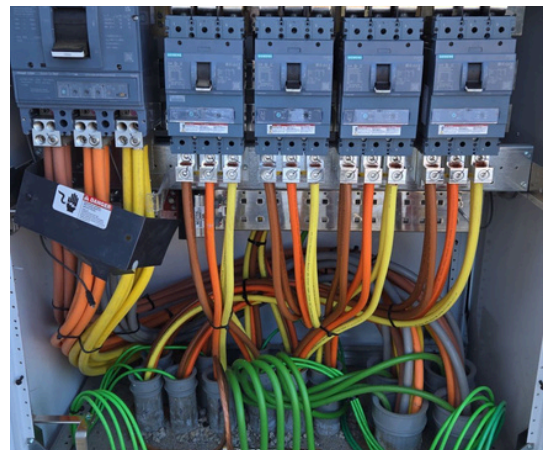
Project Overview

BD Electrical & Solar completed the electrical and site infrastructure for a new commercial DC fast-charging station in Amesbury, Massachusetts.

The project required complete electrical infrastructure to support multiple high-powered EV charging stations, including underground distribution, equipment foundations, utility coordination, service equipment, feeder installation, charger connections, bollards, and final commissioning.

A significant portion of the installation was underground. BD installed extensive conduit infrastructure between the electrical service equipment and individual charging locations, coordinating routing and equipment placement around the existing parking lot and site conditions.

The completed charging facility provides dedicated high-power DC fast charging for drivers while creating permanent electrical infrastructure designed for the demands of commercial EV charging.



Project Challenge

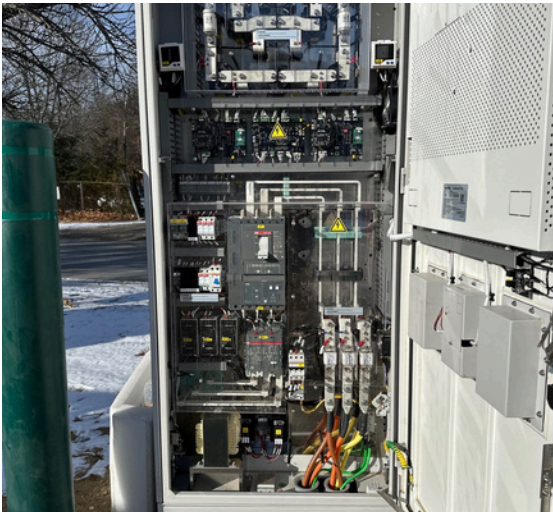
Commercial DC fast charging requires considerably more electrical infrastructure than a typical Level 2 charging installation. Multiple high-power chargers required substantial underground raceways, large conductors, dedicated distribution equipment, and careful coordination between the utility, charger manufacturer, civil work, and electrical installation.

BD managed the electrical infrastructure from underground rough-in through equipment installation and energization, creating a coordinated system capable of supporting the site's high-power charging demand.



The Result

The completed Amesbury EV charging site transformed the property into a dedicated fast-charging location with multiple DCFC stations and the electrical infrastructure necessary to reliably support them.





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