



CLIENT

Scottish Water

PROJECT

Drumboy Hill BPT

LOCATION

**Highfield Farm Road, Fenwick,
Ayrshire**

SERVICES PROVIDED

- 3.5KM 11kV cabling
- 50KVA Pole mounted transformer
- Single phase supply to Shieldhill Farm Cathodic Protection
- Three-phase supply to new BPT control
- 11kV Cable jointing
- LV Cable jointing
- Directional drilling
- Traffic management
- Customer interface
- Principle designer
- On-site welfare and full-time management
- HSQE management on-site
- Procurement of equipment
- Testing and commissioning
- Close working with DNO to ensure the connection was completed on time
- Completed job handover

OVERVIEW

Scottish Water engaged IUS to install a new 3-phase supply to their Pumping plant at Drumboy Hill and Single-Phase Supply to their new Cathodic protection at Shieldhill Farm.

DESCRIPTION

The project involved installing a new 11kV supply c.3.5 km away from the Point of Connection (POC) issued by Scottish Power due to the remote location. In order for IUS to meet Scottish Water deadlines we installed the cable within the adoptable carriageway. The cable route included crossing a motorway bridge over the M77, a grass verge adjacent to the A77, and a single-track carriageway along Highfield Farm Road. IUS also had to carry out directional drilling under four water crossings due to insufficient depth on the bridges. The area where the new Drumboy Hill tank is located was within an area of heavy peat, so specialist equipment was required to excavate as well as access the wood pole for the transformer work.

IUS was engaged as the Principle Designer on this project and had a full-time Coordinator along with a Project Manager and HSQE Advisor, working in collaboration. Two additional Contractors were working in the area, therefore close engagement and coordinated programming of works were of high importance.

All works on site were completed on time, within budget, and were handed over to the Distribution Network Operator for adoption on energisation.