

**CLIENT**

Scottish Water

PROJECT

Drumboyhill BPT

LOCATIONHighfield 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 connection was completed on time
- Completed job handover

DRUMBOYHILL BPT & SHIELDHILL FARM CATHODIC PROTECTION**OVERVIEW**

Scottish Water engaged IUS to install a new 3 phase supply to their Pumping plant at Drumboyhill 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 adoptable carriageway. The cable route included crossing a motorway bridge over the M77, 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 Drumboyhill tank is located was within a area of heavy peat, so specialist equipment was required to excavate as well as access the wood pole for the transformer work.

IUS were engaged as 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.

