CLIENT
Scottish Water

PROJECT
Loch Ness Regional - Intake RWPS – Provision of new HV / LV supply

LOCATION
Invermoriston, Loch Ness

SERVICES PROVIDED
- Full design role
- Principal contractor duties
- Engagement with the SSEN, Forestry Scotland, the client's other contractors, and all other key stakeholders
- All civil works
- Overhead line construction
- SAP duties
- Turnkey solution
- Management consultancy of directional drilling

OVERVIEW
The development of a new RWPS on the west bank of Loch Ness formed part of the Scottish Waters Regional Improvement Scheme. The scheme would provide an upgrade to improve the water quality and system resilience of the area. As part of Scottish Water's Supply Chain, IUS delivers contestable connections as an Independent Connections Provider. Therefore, IUS was appointed to design, procure, and deliver the new electrical supply to operate this new pumping station.

DESCRIPTION
The works necessitated the installation of new H-Poles adjacent to the existing Scottish Power Energy Networks (SSEN) overhead line. These H-poles would accommodate the installation of a 33,000/433V, 200kVA pole-mounted transformer (PMT) and associated components. From the LV side of the PMT, an LV cable was laid to the new RWPS kiosk, terminating in a cutout beneath the installed current transformer metering panel. The feeder route necessitated a road crossing. To minimize disruption to traffic flow on the A82, the road crossing was undertaken by directional drilling. Extensive engagement with SSEN was maintained throughout the duration of the works to ensure full compliance with their adoptable standards. On completion the substation was energised and the RWPS is now in full operation. IUS undertook full design duties and operated as Principal Contractor (PC) for all our site works, liaising closely with Scottish Water's PC for the main development.