



## **Tetrarch Residential Ltd. Development at Mill Road, Saggart - M & E Incoming Utility Services**

### **MECHANICAL SERVICES**

#### **Water Supply**

The details of the water service design and contact with Irish Water shall be outlined in the report by CS Consulting Group.

#### **Gas Supply**

The M & E service design will not utilise gas as an energy source and thus this development shall not require a gas supply.

### **ELECTRICAL SERVICES**

#### **Electrical Supply Intake**

The development shall be supplied from the existing ESB electrical network that is adjacent to the site.

The estimated total electrical load for the development shall be in the region of 1.2MW.

ESB have been consulted in the planning process, have confirmed that the electricity supply is available to serve the development and have recommended the construction of two substations on site (1 building substation to primarily serve the apartments and a separate plinth-mounted unit substation to primarily serve the housing including duplexes). Both have been accommodated within the site plans by Darmody Architecture.

#### **Communications**

The development shall be supplied from the existing telecoms network that runs nearby. Both Eir and Virgin Media have service cables and existing chambers installed adjacent to the site and have the capacity to supply fibre and standard copper wire telecom services to the development. Siro have also confirmed capacity to serve the site via the existing ESB infrastructure.

As is typical, the houses for the development will be provided with external termination units (ETUs) installed on an outer wall to facilitate delivery of the communications network. For the apartments, the telecom supplies shall be connected to internal comms cabinets located within risers or centralized plantrooms in accordance with the supplying company's preference.