



Who are EirGrid - and what do we do?

EirGrid is responsible for a safe, secure and reliable supply of electricity — now and in the future.

We develop, manage and operate the electricity transmission grid. This brings power from where it is generated to where it is needed throughout Ireland.

We use the grid to supply power to industry and businesses that use

large amounts of electricity. The grid also powers the distribution network. This supplies the electricity you use every day in your homes, businesses, schools, hospitals and farms.

As part of our role we are also mandated to explore and develop opportunities to interconnect the transmission grid with the transmission grids in other countries.

What is Capital Project 1029?

EirGrid is responsible for delivering electrical power to major demand customers in Ireland, including Intel.

Capital Project 1029 is an electricity project that will ensure there is a secure and reliable supply of power to the Intel manufacturing facility in Leixlip, Kildare.

The development comprises:

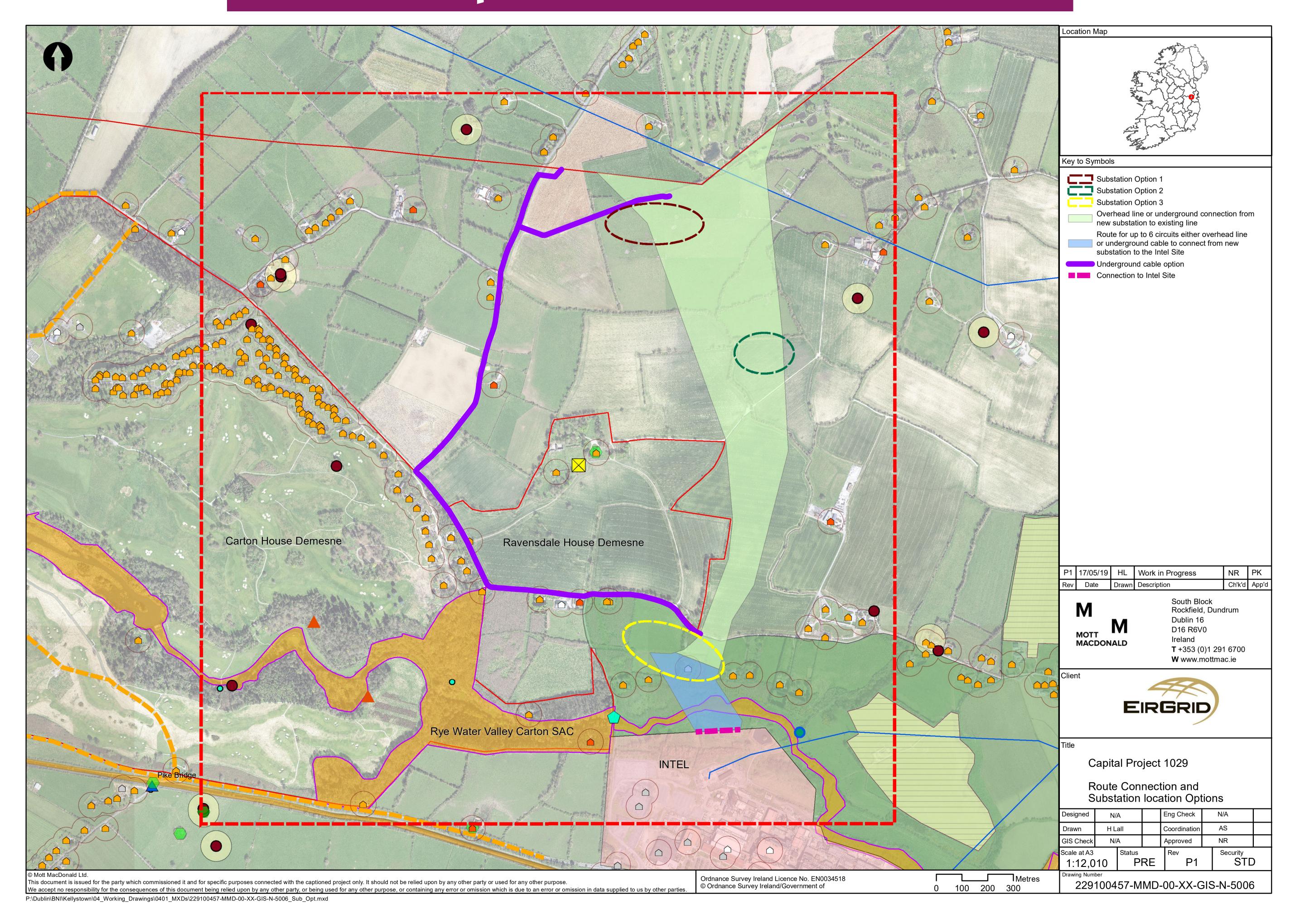
- A new 220kV station adjacent to the Intel site.
- Two new circuits connecting into the existing Maynooth-Woodland high voltage power line located to the north of the facility.
- A total of six new circuits will also be required to connect the substation to the new transformers which will be located within the Intel facility. Three of these will be required immediately, and three will be required at a future point in time.

Power is already and will continue to be provided to Intel by 110 kV circuits. The new substation will enable the connection of the Intel facility to the Maynooth-Woodland line. This will deliver additional power to Intel.

In addition to this, further connections between the new substation and Intel's transformers, and an upgrade of the Maynooth-Woodland 220 kV line, will be required at a later point.



Options Considered



How We Assess Options

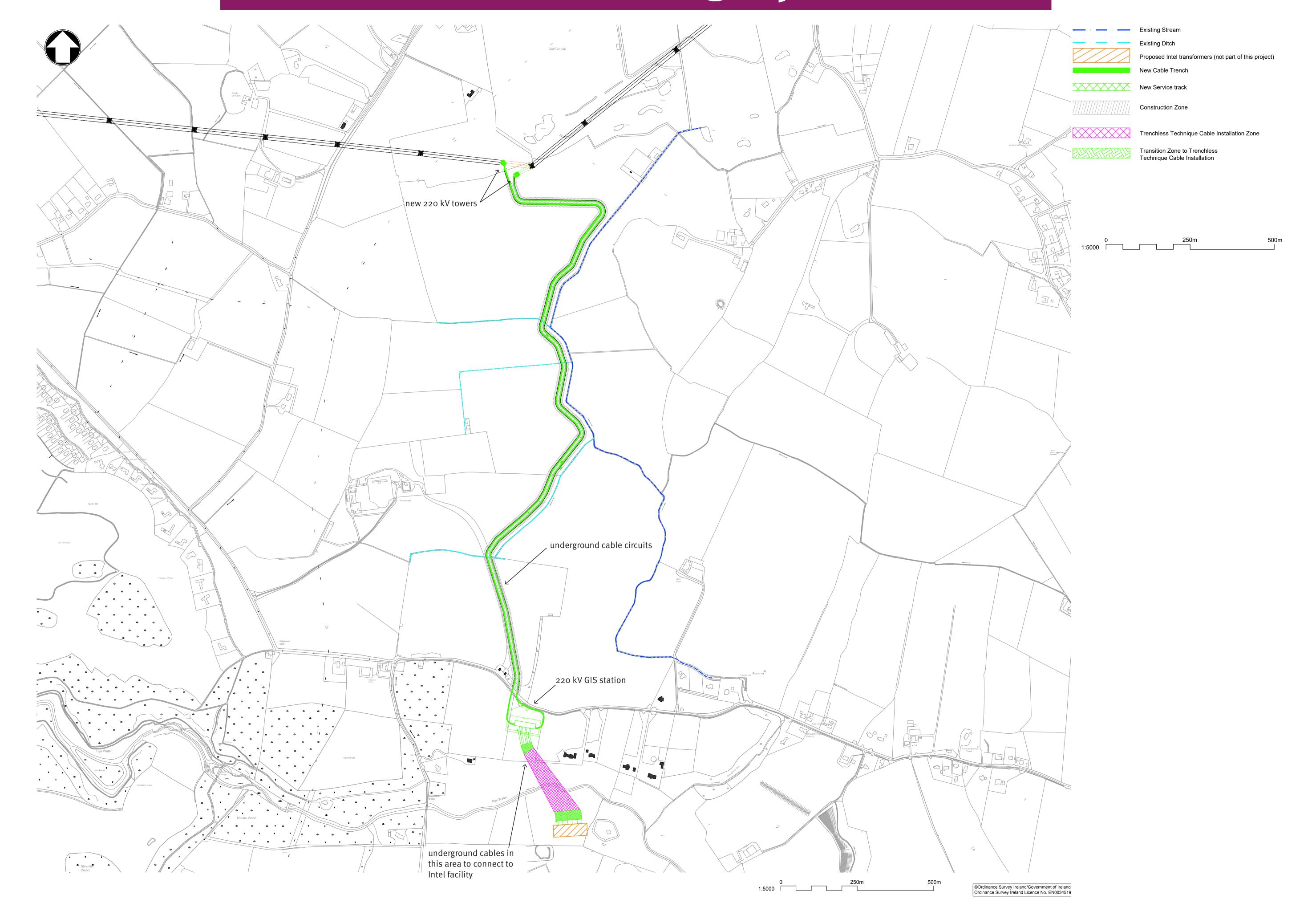
We completed further studies on the:

- route options for the electricity circuits,
- substation locations options,
- connection to the Intel facility,
- different technology options for the substation and electricity circuits.

We assessed and compared the different options under five criteria. Feedback from landowners and stakeholders was also taken into consideration. Using this process we have identified the best performing option for the project.



Best Performing Option



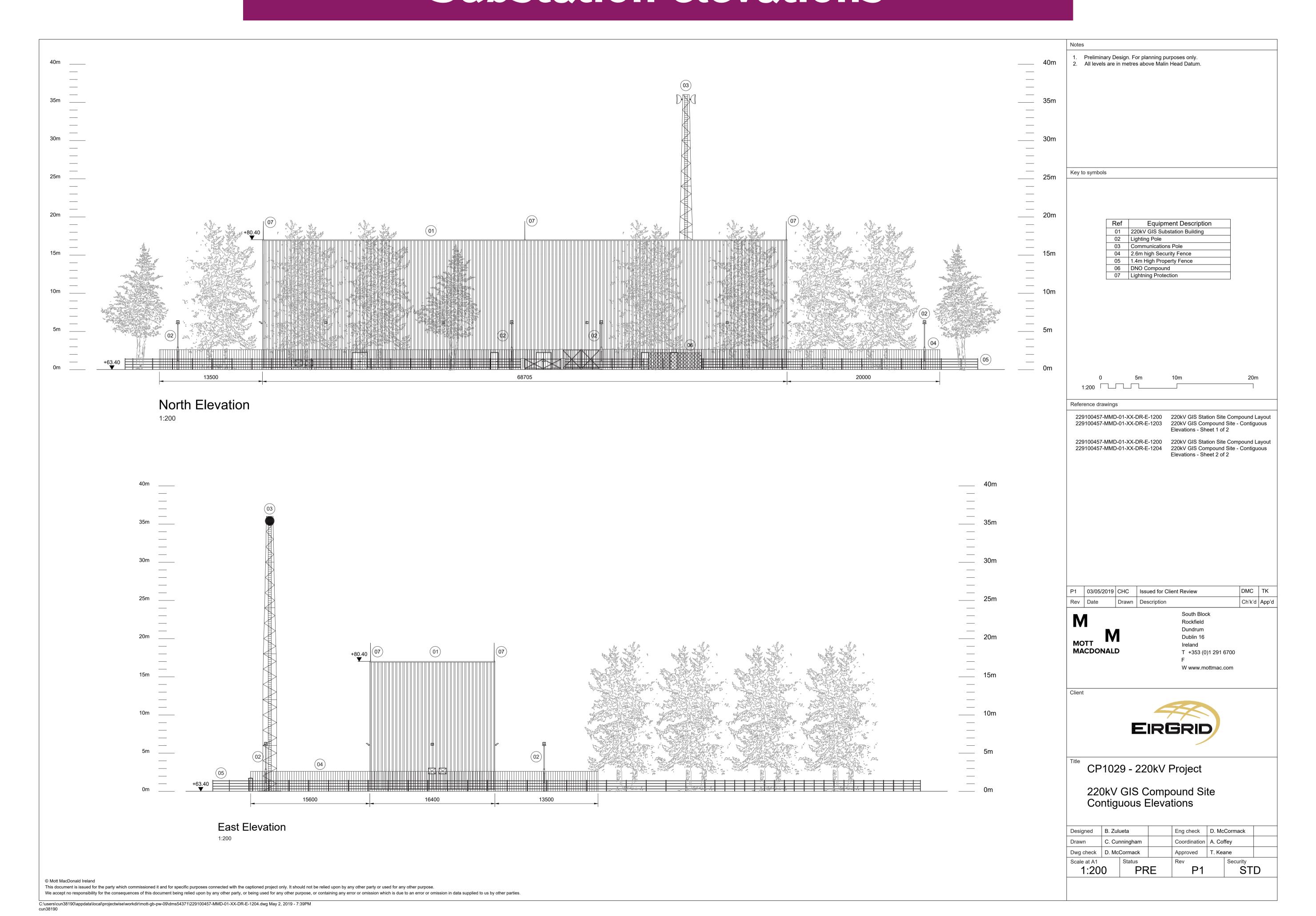
Connection to Intel facility



220kV GIS substation



Substation elevations



Next Steps

What happens next?

We are now at the end of step 4 and have confirmed the best performing option.

We will now move to step 5 of our six step consultation process. In step 5 we will submit a planning application to An Bord Pleanala or the local planning body.

Step 4	Step 5	Step 6
Current Step	The planning process	Construction, energisation and benefit sharing
Where exactly should we build?		
2019	2019	2020 – 2021



New Tower Details

