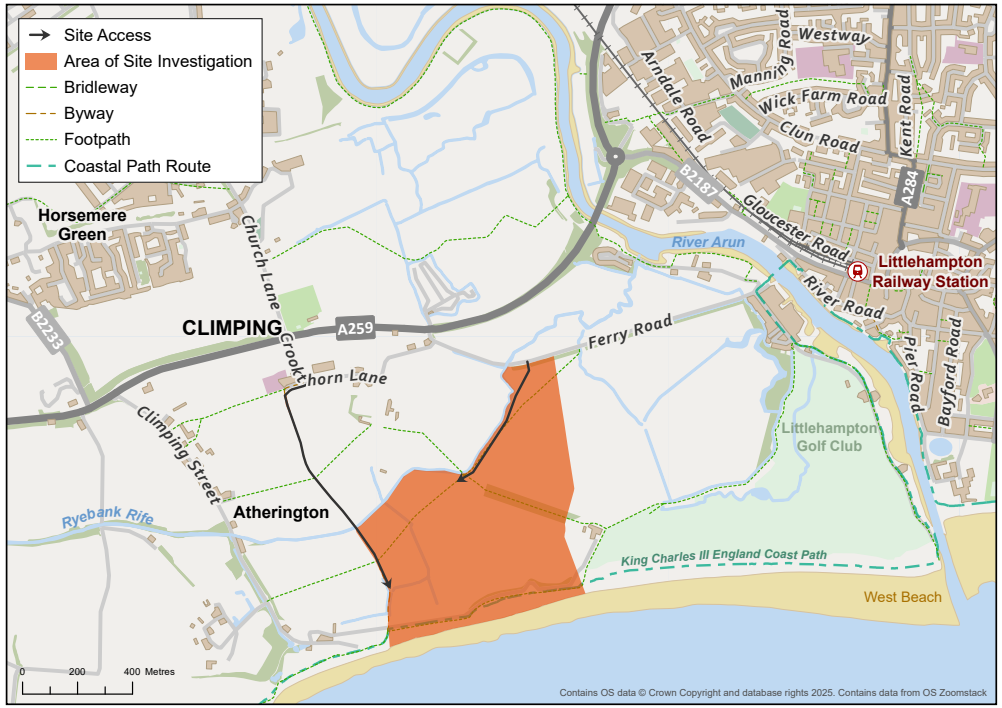
Rampion 2 WIND FARM

Rampion 2 onshore cable route ground investigations

We are carrying out a series of ground investigations and groundwater monitoring, to inform our engineering design for the cables and their installation as they come ashore at **Landfall, behind Climping beach.**

The landfall location is especially important to develop the crossing design and construction methods for the Horizontal Directional Drill (HDD) under Climping Beach and the agricultural land behind the beach, where our offshore export cables are jointed to our onshore cables.



What works can you expect to see?

The investigations involve small-scale, low impact operations within a small works area with four boreholes, two trial pits and a non-intrusive survey. Groundwater monitoring will remain in place at two of the borehole sites for up to two years.

Borehole drilling for samples

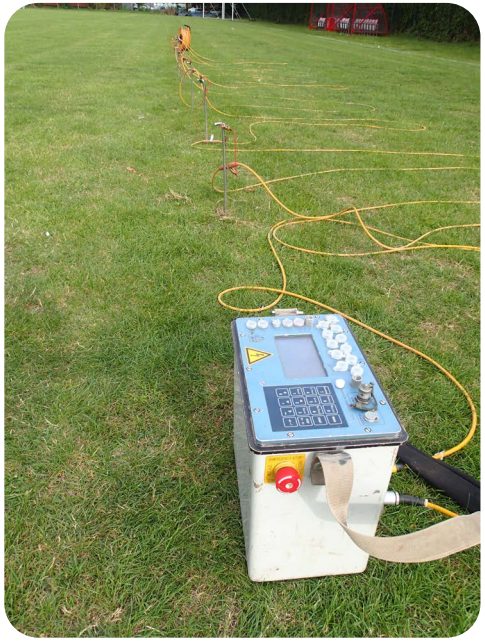
- Drilling equipment is used to extract the soil
- Soil samples are logged and sent to a laboratory
- Analysis provides a greater understanding of the composition, structure and properties of the subsurface
- A series of tests are undertaken to determine soil density, permeability and thermal resistivity
- Once complete, the pit is backfilled and a standpipe put in place

Groundwater monitoring standpipe

- Used for ongoing monitoring of groundwater depth and temperature
- Casing has raised metal cover up to 60cm high
- Protected by 1.2m high post and rail fence with additional livestock proof fencing, where required
- Removed once monitoring completed with all ground reinstated

Trial pits

- Excavator digs trial pits to assess shallow ground conditions
- Trial pits measure 0.8m wide x 3m long x 4m deep
- Soil is stored carefully to one side on protective matting
- Soil samples are tested at different depths
- Trial pits are usually completed within two hours and backfilled on the same day of excavation
- No open excavation is left unattended unless fully, securely and safely fenced with adequate signage installed to notify of an open excavation



Non-intrusive surveys

- Provides continuity of data between boreholes and trial pits
- Gathers information about geological structure and measures the electrical resistance of soil
- Ground is not disturbed therefore no reinstatement required
- Surveys are usually completed within two days

How long will the survey works take?

Approximately two weeks of investigations will be conducted at some time between 24th March and 16th May, subject to weather

What will the working hours be?

All works will take place within the hours of 8am-6pm Monday to Friday

Will these works affect beach access?

We will not need to close the beach during these works

Are there any restrictions on footpaths or public rights of way?

There will be no closure or diversion of Public Rights of Way or Open Access land during these works. Vehicles will be active in this area to conduct the works but restricted to travelling at 5mph on shared access routes. Safety fencing will be set up around the borehole surveys to protect pedestrians, cyclists and horse riders.

Contractor: Geotechnical Engineering Limited

Contact for enquiries:

email **rampion2@rwe.com** or Freephone **0800 2800 886**

Project information:

For further information about the Rampion 2 project, please visit **rampion2.com**

We thank you for your understanding during these works