



Kiln Lane substation

What we're building

We're building a new 400 kV substation north of Friston. It will connect ScottishPower Renewables' (SPR) East Anglia ONE North and East Anglia TWO offshore wind farms to the transmission network, connecting this clean energy from where it's generated to where it's needed.

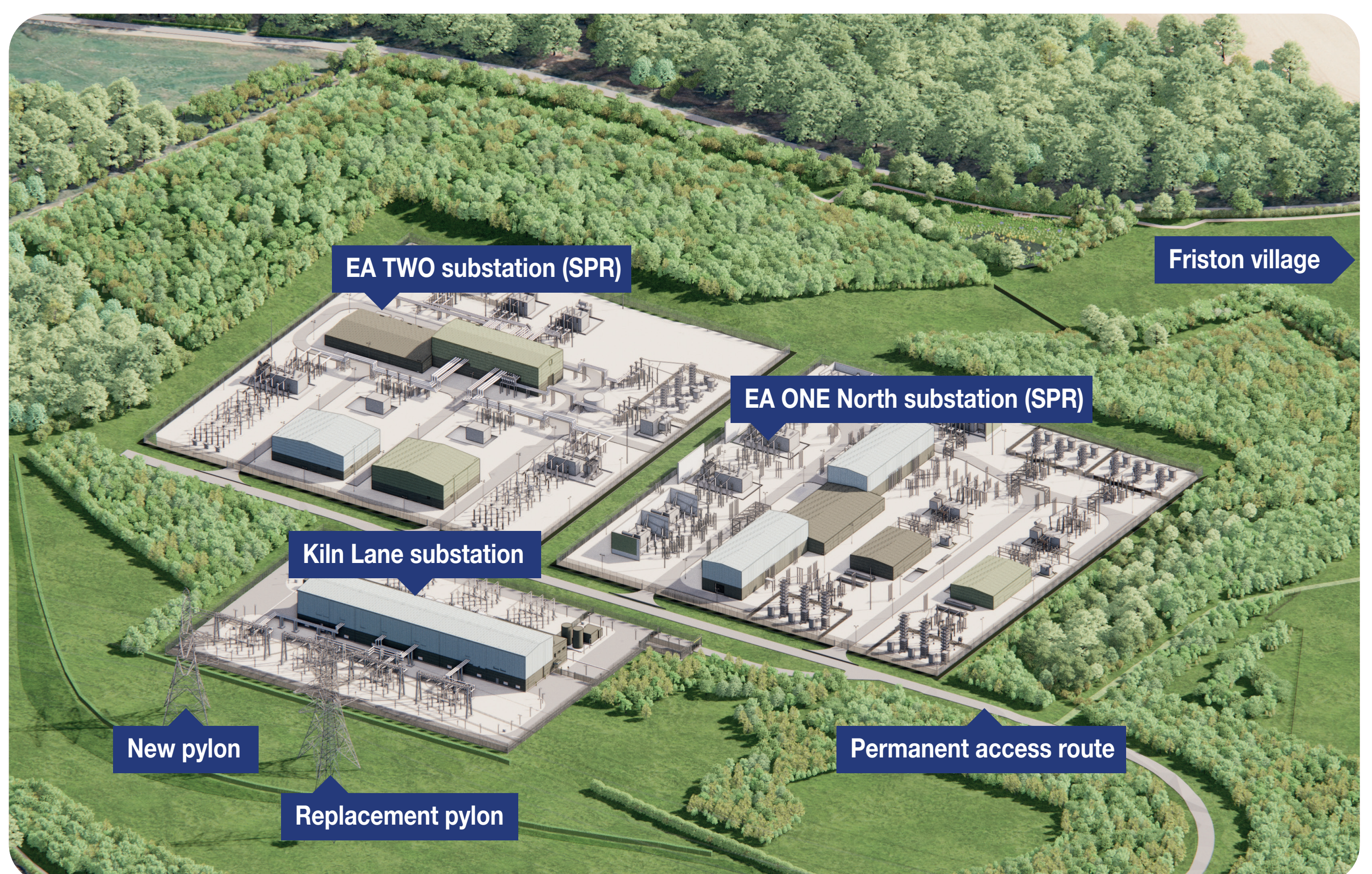
SPR is also building two separate substations next to the Kiln Lane substation: one for East Anglia ONE North and one for East Anglia TWO. These are shown on the map.

The Great Grid Upgrade

Kiln Lane is part of The Great Grid Upgrade.

The Great Grid Upgrade is the largest overhaul of the electricity grid in generations.

Our infrastructure projects across England and Wales are helping to connect more affordable sources of home-grown and renewable energy to your homes and businesses.



Who is delivering the project?

The Secretary of State approved all three substations in March 2022 as part of SPR's applications for the East Anglia ONE North and East Anglia TWO offshore wind farms. National Grid is building the Kiln Lane substation. Our main contractors are Omexom Taylor Woodrow. SPR is building the other two substations.

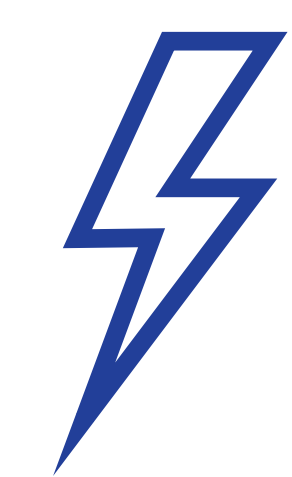


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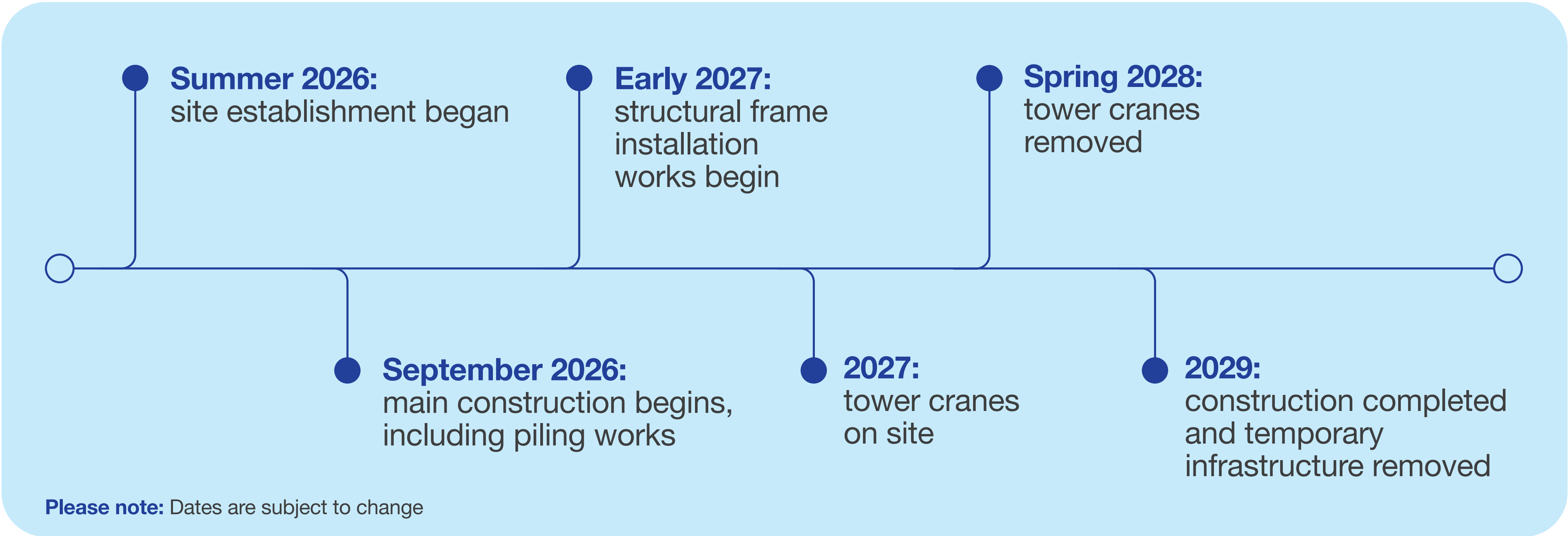
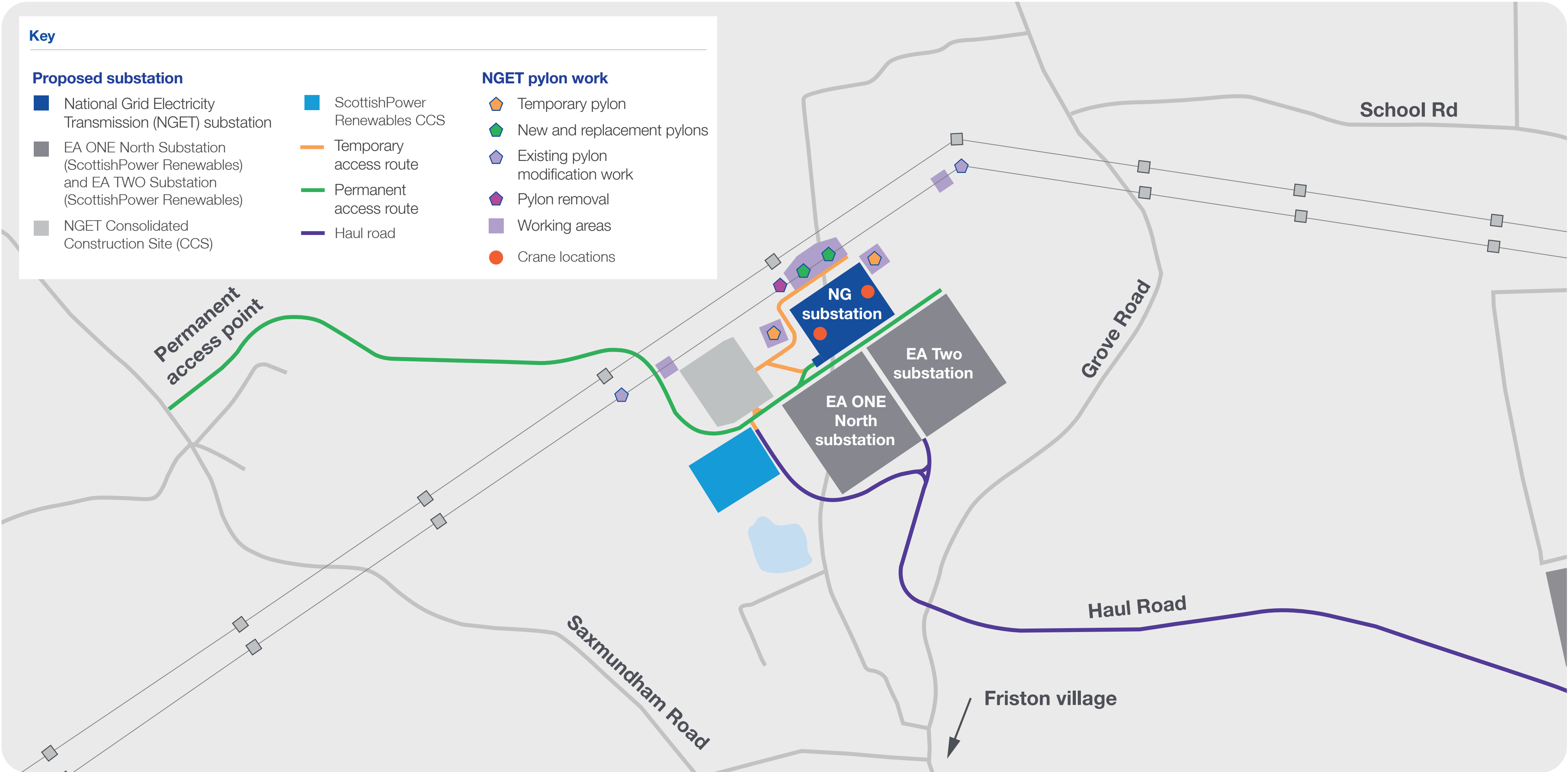
What we're building



As well as building the new substation, we'll make some changes to the nearby overhead power line.

We will:

- remove one existing pylon and replace it with two new pylons
- install two temporary pylons to keep the existing electricity line operating safely during construction. The temporary pylons will be removed once construction is complete
- make small changes to equipment on up to 12 existing pylons along the line.



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How we're managing construction



Our working hours

- **Monday to Friday:** 7am to 7pm
- **Saturday:** 7am to 1pm
- **Sundays and public holidays:** no planned work.

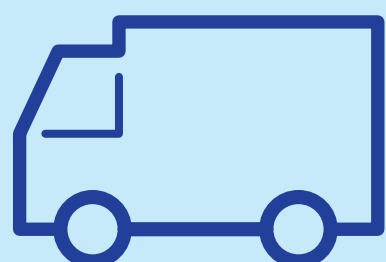


These hours are consistent with SPR's.

The first and last hours of work typically involve setting up and closing down the site. We do not carry out noisy work in these periods, unless there are exceptional circumstances.

If we do need to work outside of these hours, we will agree this with East Suffolk Council in advance.

Construction traffic



We've worked with Suffolk County Council to keep construction traffic away from local villages.

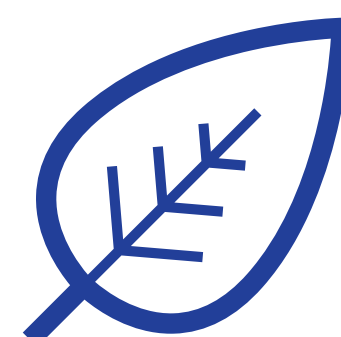
All HGVs will use the approved routes to reach the site, via the A12, A1094, and B1069. These routes are shown on the next board. HGVs will not travel through Friston, Leiston, Knodishall, or Thorpeness.

We will wash vehicle wheels before they leave the site to keep local roads clean and reduce dust.

So that you know when a vehicle is working on our project, they will always display the sticker below.

SPR EA1N / EA2 PROJECT
VEHICLE ID NUMBER
XXXX

Looking after the local environment

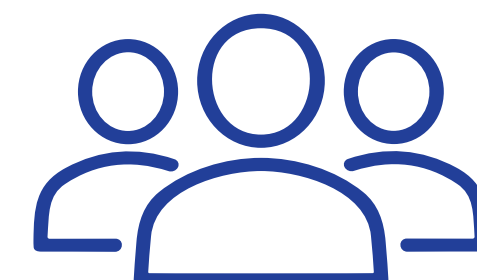


We are committed to protecting the countryside around Kiln Lane.

Before starting, we carried out ecology surveys and timed our early works to protect local wildlife and habitats.

When the works are finished, we'll reinstate the land with new landscaping, planting and habitats.

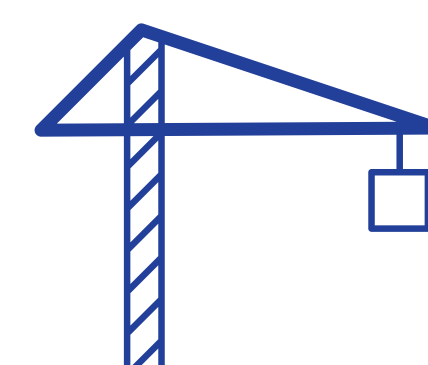
Working with other projects nearby



We're building the substation under SPR's consent. We work closely with SPR, Sizewell C, and other local projects.

We coordinate our schedules and share infrastructure like the haul road where possible, to reduce the combined effect on the community.

Tower cranes



East Suffolk Council has approved two tower cranes, which, unless the programme changes, will be on site from mid-2027 until spring 2028. They will help speed up construction and reduce site traffic.

Keeping you informed

We'll let you know if we need to do anything that might cause additional disruption, including large deliveries. We'll contact nearby residents by postcard and provide updates through our WhatsApp channel.

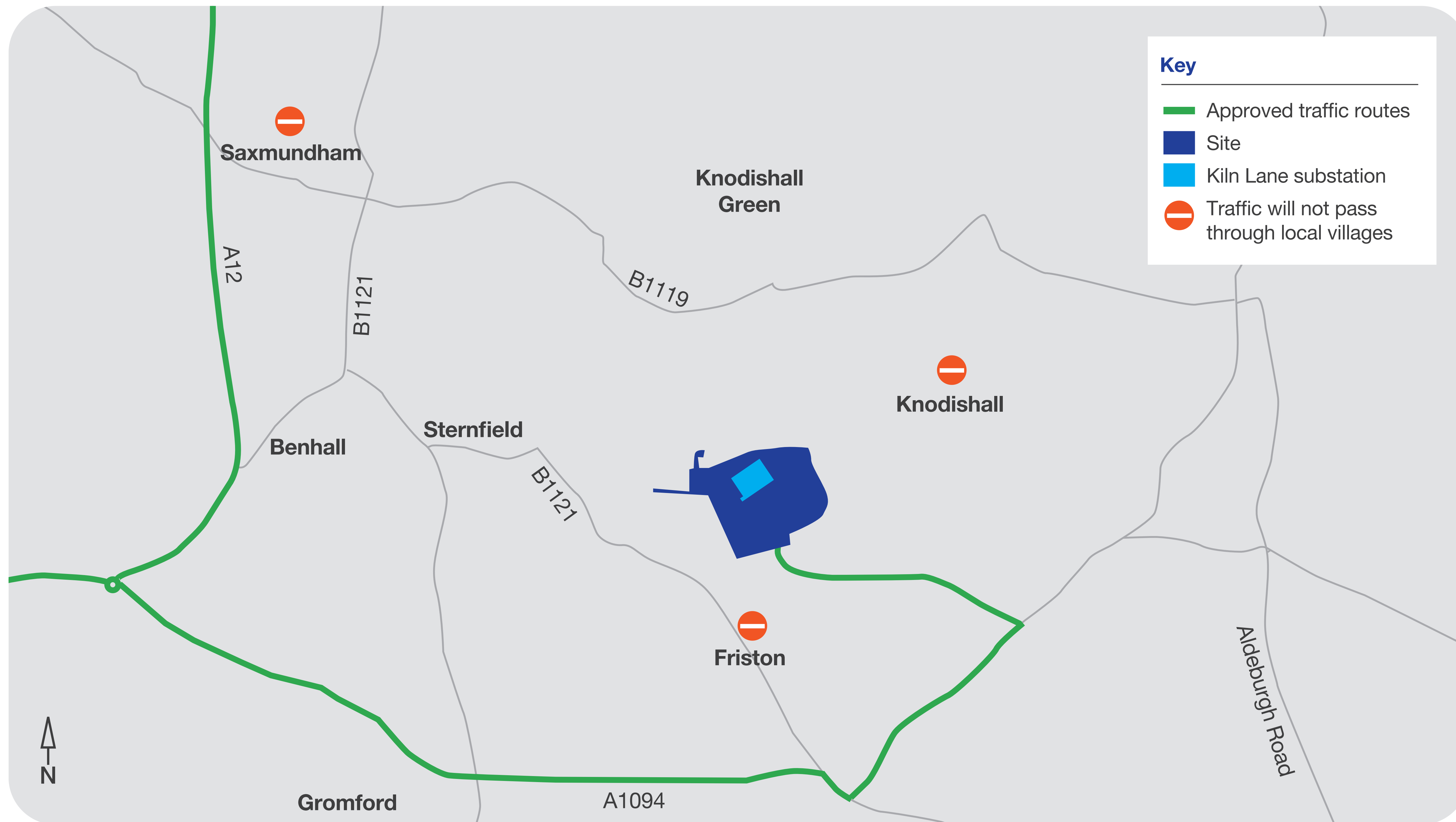


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Agreed traffic routes



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How we're working with the community



Community fund

We want communities that host new electricity infrastructure to benefit from it. If approved, the Sea Link and Kiln Lane Community Fund will provide up to **£1.06 million** to support local projects in the area.

What happens next?

Our community fund survey closed on **5 August 2026**. Thank you to everyone who shared their views.

We are now reviewing the feedback to help shape how the fund will work and the types of local projects it could support.

Applications for the first **£530,000** of funding are expected to open in the coming months.



We will publish more information about the fund and how to apply once the details are confirmed.

Supporting the local economy

We believe the investment needed to upgrade Britain's electricity network should create jobs and drive economic growth here at home.

We've established supply chain contracts that will deliver more than £28 billion in the UK. In 2025, our supply chain was worth £64.9 million to the East of England.

Interested in becoming a supplier? Find out more about goods and services we procure, contact details and how to tender on our new suppliers page.



Scan the QR code, or visit nationalgrid.com/our-uk-supply-chain to find out more.

Speak to the team

Your questions and feedback shape how we plan and carry out this work.

You can tell us what matters to you by phone, email, on our website, or in person at events like this one.



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What's coming up

The dates below may change, dependent on programme.

Piling platform preparation

August to September 2026

To support the next stage of works, we've been preparing the site and creating a level platform for the piling activities.

Activities

- Laying granular material across the site
- Installing drainage and underground cable pipes
- Creating a level platform for piling works.

Foundation and piling works

Mid September 2026 to early 2027

With the site prepared, we'll start installing the foundations needed for the new substation.

Activities

- Installing foundations using rotary piling rig
- Drilling foundations into the ground rather than hammer piles.

Structural works

Early to mid-2027

We'll start installing the structural frame and external building elements for the substation.

Activities

- Lifting and securing steel beams using cranes
- Installing roofing and cladding.

Building fit out works

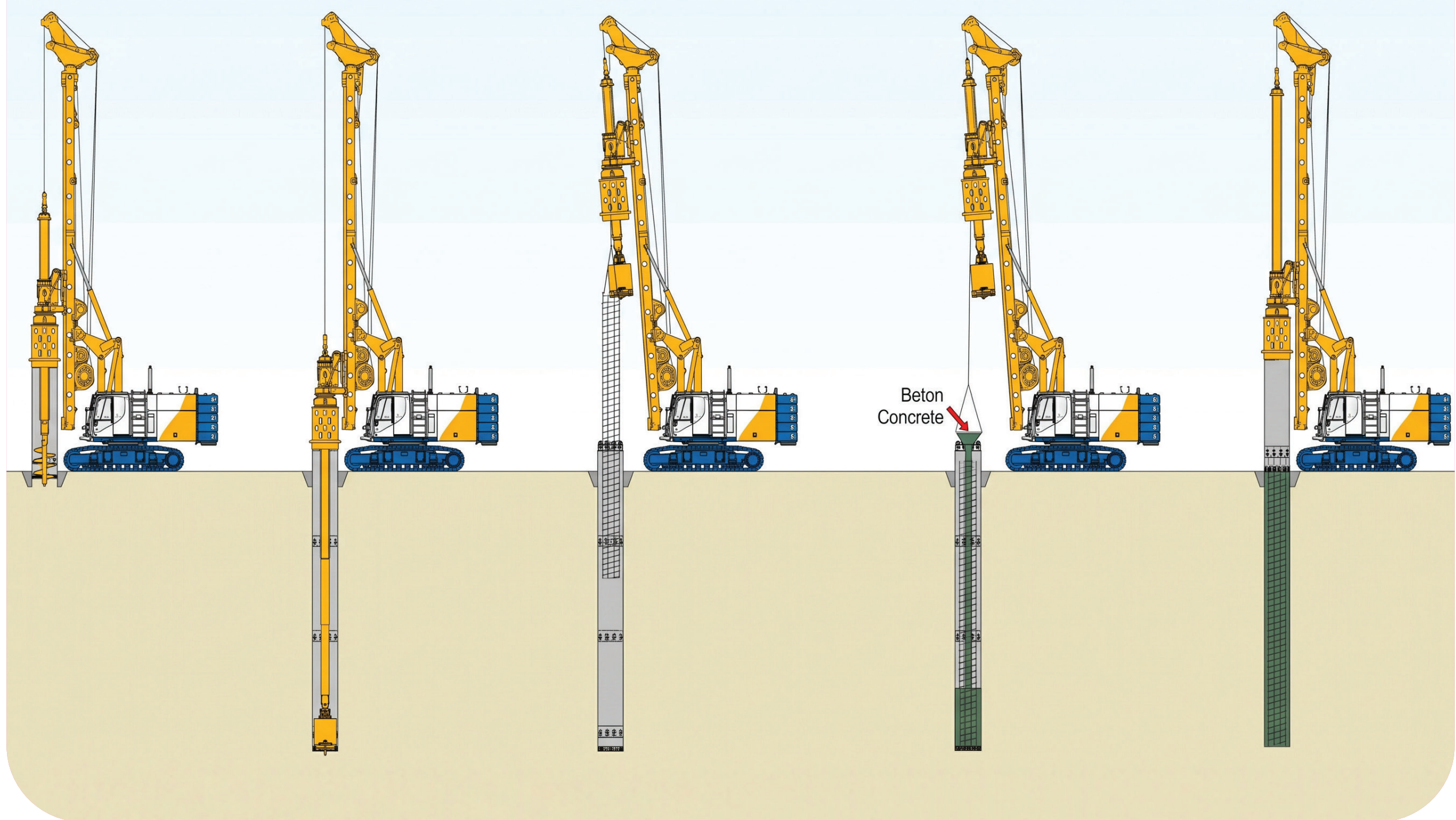
Mid-2027 to early 2028

With the main structure complete, we'll start the final works to fit out the building and prepare it for operation.

Activities

- Completing internal building fit out works
- Installing building services and equipment.

How piling works



What you may notice during these works

- Increased construction activity, deliveries and vehicle movements
- Large equipment on site
- Construction noise and low levels of vibrations during working hours



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