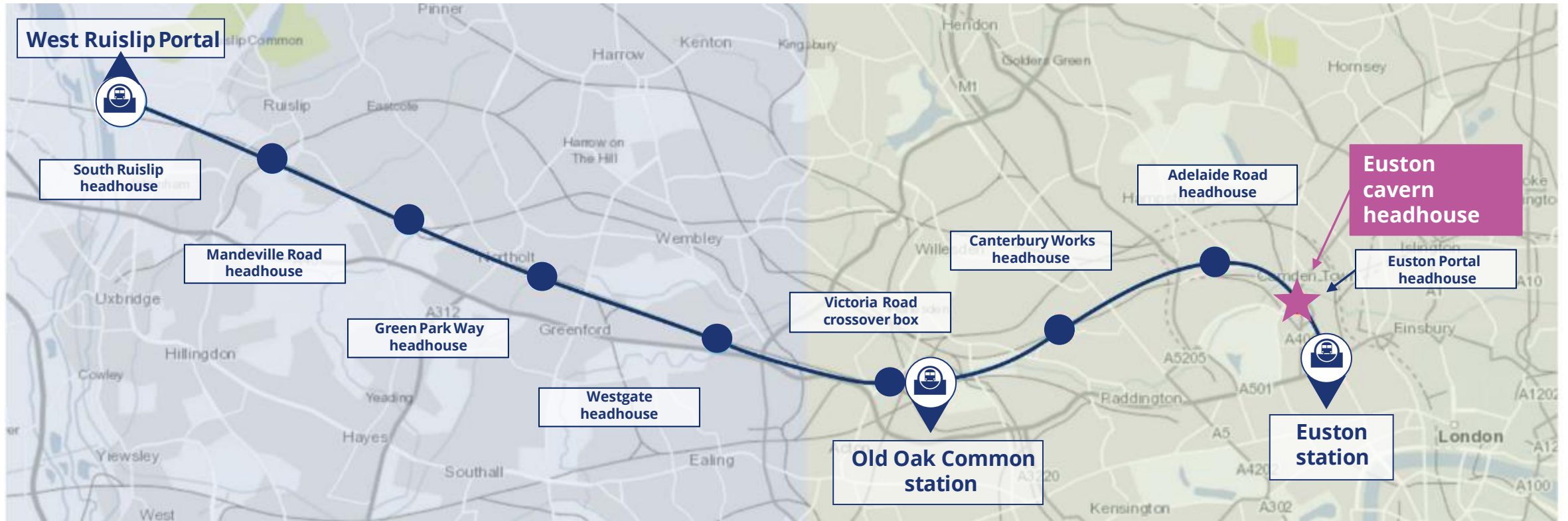


Euston Cavern Headhouse

Final design – You Said, We Did | March 2021

These slides show the final design for the Euston Cavern Headhouse and how we have incorporated feedback from stakeholders and the local community since 2018. We will submit this design for planning approval in spring 2021.

Euston Cavern Headhouse location

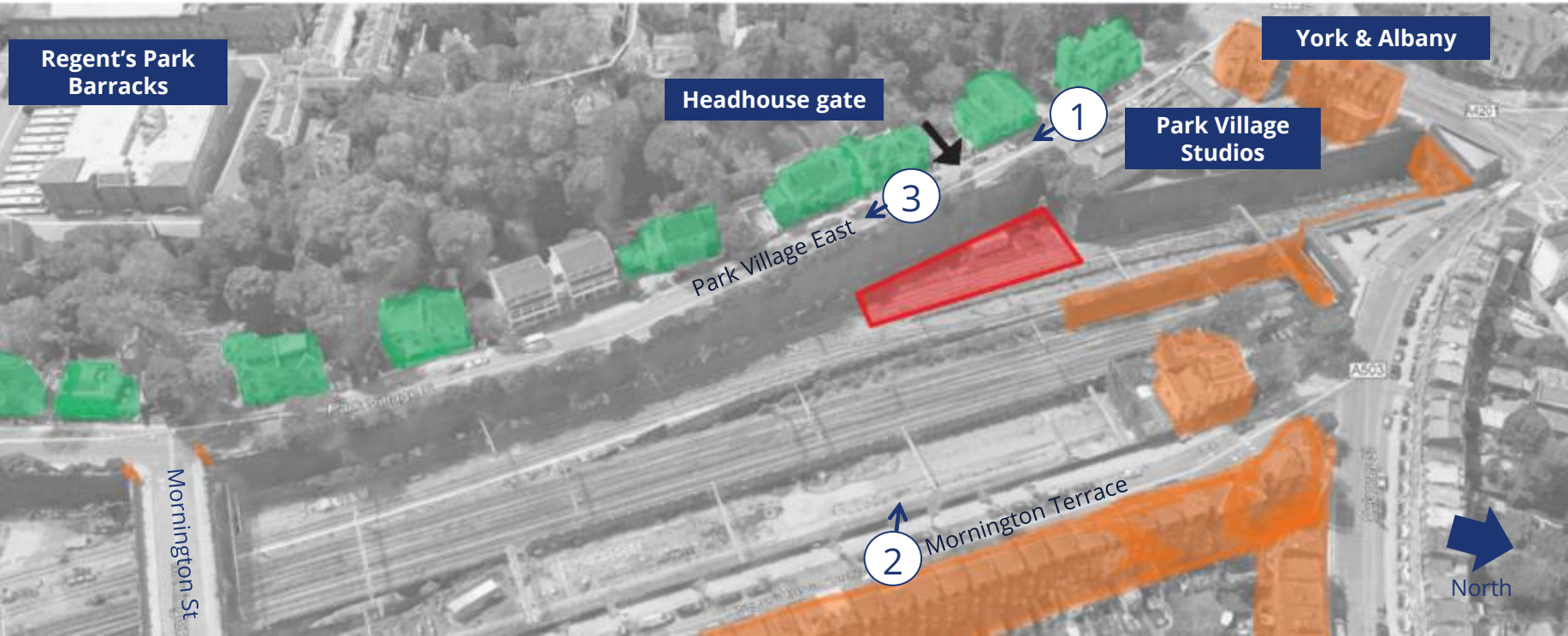





Skanska Costain STRABAG Joint Venture (SCSJV) is building HS2's Northolt tunnels west of London and the Euston tunnels and approaches.

SCS will build eight shafts to provide emergency access and in many cases ventilate the tunnels. Buildings called **headhouses** will be visible above the shafts. **Headhouses** contain lifts and mechanical and electrical equipment for the shaft below.

Local context

The cavern shaft and headhouse will be located in the railway cutting at the northern end of Park Village East.



-  Headhouse site
-  Heritage listed Grade II*
-  Heritage listed Grade II

The Euston Cavern Headhouse will provide emergency access. It will be three-storeys with one storey visible above street level and two below. Final design is now complete and incorporates feedback received since 2018.

There will be a second shaft and headhouse above the Euston portal, between Granby Terrace and Mornington Street bridges. Initial design is under way, which we will present in mid-2021 for your feedback. A third headhouse planned in this location has been removed from the scheme.



View from Park Village East north



View from Mornington Terrace



View along Park Village East

Timeline – design and engagement for Euston Cavern Headhouse and Euston Portal Headhouse



Initial design

We started collecting community feedback about materials, planting and lighting on the initial design in 2018. Since then, during a design pause in 2019, we continued to gather feedback from stakeholders. Design restarted in 2020 with the final design to be submitted for planning approval in mid-2021.



The following slides show the initial design, the final design and the changes we made in response to the feedback we received.

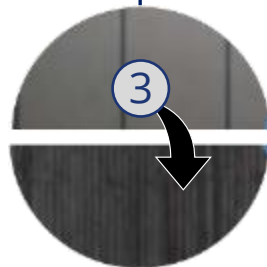
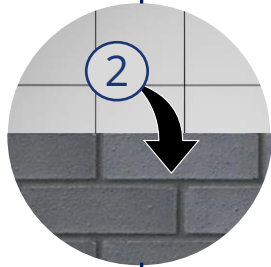
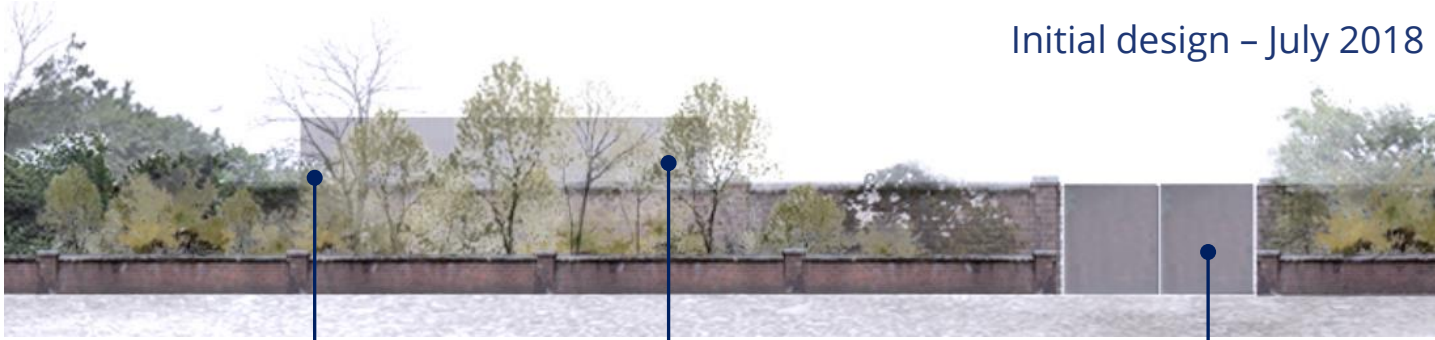


Final design



Design evolution

Initial design – July 2018



Final design – March 2021

You told us you would like to see the building blending in with nearby buildings and the railway

1. Building height reduced
2. Further greening of the roof, walls and planters
3. Brick facade, not metal or timber
4. Timber gate, not metal

Based on our conversations with the community and stakeholders, we have finalised the design to best reflect the local area, whilst still being fit for purpose, with the least impact to our neighbours.

The next few slides cover the design and its evolution in more detail.

Materials reflect local area

View from Park Village East – elevated view



View from Mornington Terrace – track level



You said

Building to blend in with nearby buildings and railways

Brick facade, not metal or timber

A timber gate, not metal



We did

Reduced the height and increased planting on the street side

Developed a site-specific palette of brick

Dark timber gate in keeping with nearby buildings



Landscaping

You said

Minimise visual impact of headhouse

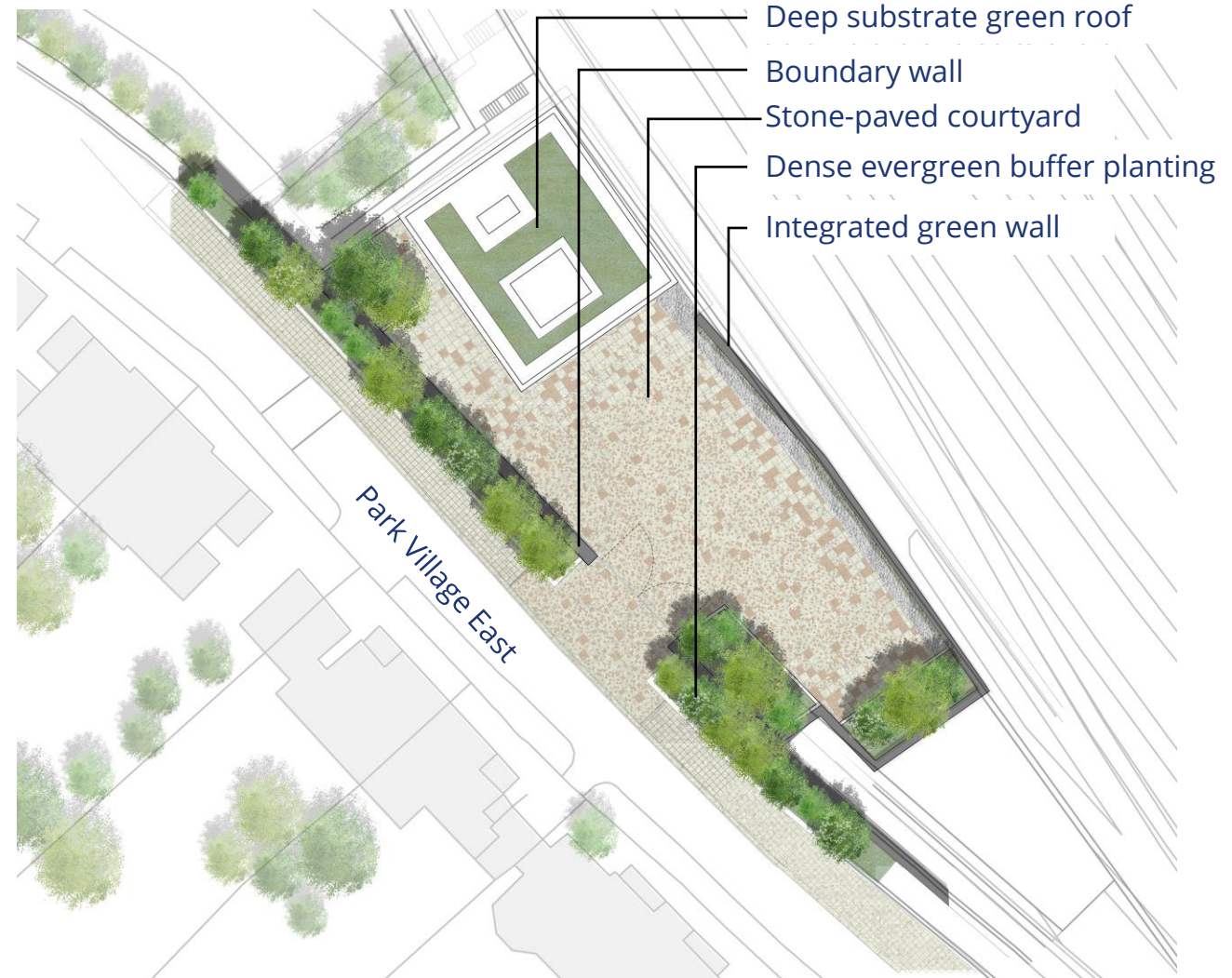
Further greening of roof, walls and planters

We did

Reduced height of building

Evergreen planter along Park Village East

Green roof and climbing plants on compound's walls



Planting palette

You said

No loss of
habitat/biodiversity

Headhouse to be
adequately screened and in
keeping with local context

We did

Evergreen plants and
shrubs for year-round
colour and habitat

Green roof on headhouse



Lonicera periclymenum
Common honeysuckle



Lonicera henryi
Henry's honeysuckle



Lonicera japonica
Japanese honeysuckle



Corylus avellana
Hazel



Amelanchier lamarkii
Juneberry



Betula pendula
Birch



Viburnum lantana
Wynning tree



Viburnum opulus
Guelder rose



Taxus baccata
Yew



Fraxula alnus
Alder buckthorn



Ligustrum vulgare
Wild privet



Ilex aquifolium
Common holly

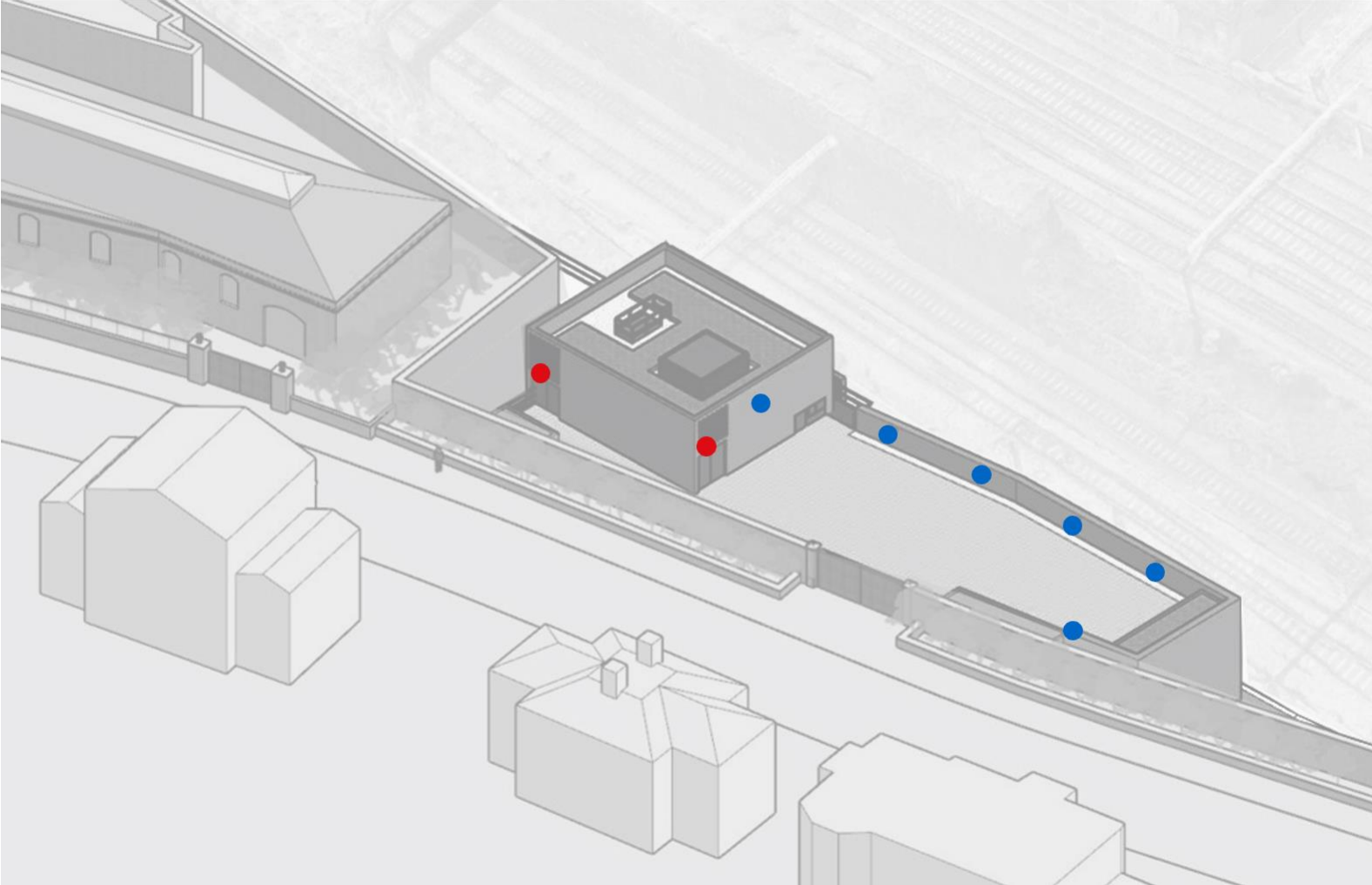


Sarcococca hookeriana
Sweet box



Ruscus aculeatus
Butcher's broom

External lighting



- Small lights above doors
- Low mounted wall lights
 - Used for maintenance and emergencies only



Final design – aerial view



Final design – view from Park Village East



Indicative landscaping (year one operation)

Final design – view from Park Village East



Indicative landscaping (year one operation)

Final design – view from Park Village East



Indicative mature landscaping (year fifteen operation)

Final design – view from Park Village East



Indicative mature landscaping (year fifteen operation)

Final design – view from railway



Final design – view from Mornington Terrace



Works planned in Camden Cutting

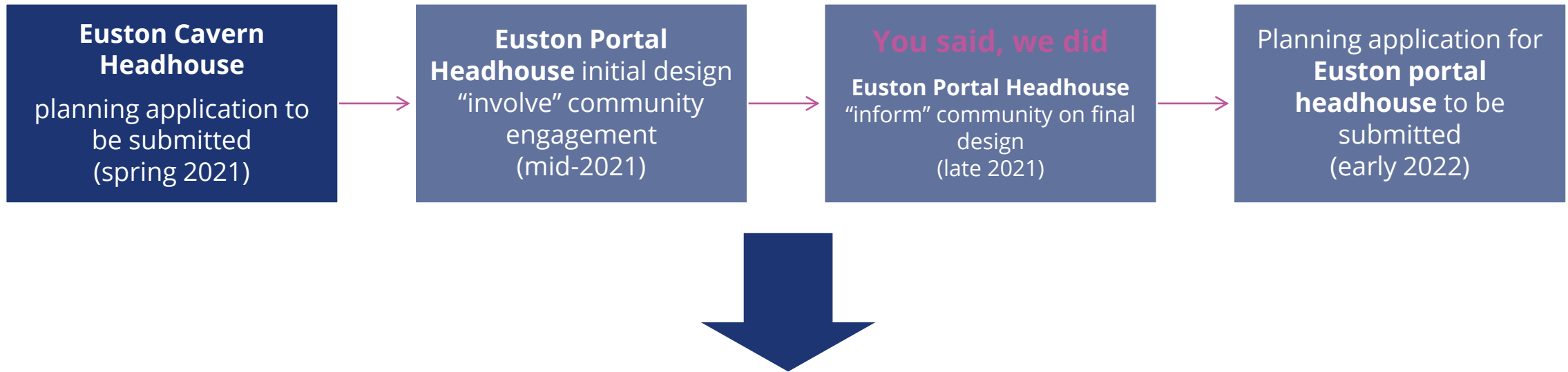
SCS started main works in Euston Approaches between Hampstead Road and London Zoo car park in April 2020.

The cavern headhouse will be built in the Camden Cutting at the northern end of Euston Approaches closest to Parkway. Key construction activities for the cavern and headhouse are shown in the table to the right with current dates, which may change.

We will continue to provide updates to the community ahead of our works at HS2inCamden.co.uk, where you can also find maps and content from our online construction updates.

Works	Planned start date
Utility surveys on Park Village East	Mar to May
Ground anchors, berm and ground beam	Mar to Oct
24/7 works during Network Rail closure #1 including vibratory piling	2 Apr to 17 May
Piling for cavern (piling since Nov 2020 in other parts of cutting and throat)	Jun to Sep
Lorry lay-by & substation – Park Village East	Jun
24/7 works during Network Rail closure #2	17 Jul to 31 Aug
Base slab construction	Oct to Nov
Shaft excavation and spraying of concrete	Apr to Sep 2022
Cavern site office suspended above railway cutting rather than on footway or road	Mar 2022
Tunnelling	Jul 2022
Tower cranes	Mar 2022
Headhouse construction	Oct 2024

Next steps



- We will submit the Euston Cavern Headhouse final design for planning approval in spring 2021
- We have started developing the initial design for the **EUSTON PORTAL HEADHOUSE** south of Mornington Street bridge with materials best suited to the local area to minimise impacts
- We will ask for your feedback on the appearance of the initial design in mid-2021
- We will consider your feedback for the final design, which we will present in late 2021

Find out more

Join us at a webinar where we will share the Euston Cavern Headhouse final design. You can post your questions online during the event.

Webinars

- 12 noon on 2 March
- 6pm on 3 March

To register for a webinar, visit [this link](#).

You can contact the HS2 Helpdesk with enquiries on:

- Freephone: 08081 434 434
- Minicom: 08081 456 472
- Email: HS2enquiries@hs2.org.uk

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