

# HS2

## West Ruislip TBM Power Supply

Eastcote Residents Association  
Presentation - 27/2/2019

# West Ruislip TBM power supply

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# Why we need the power supply

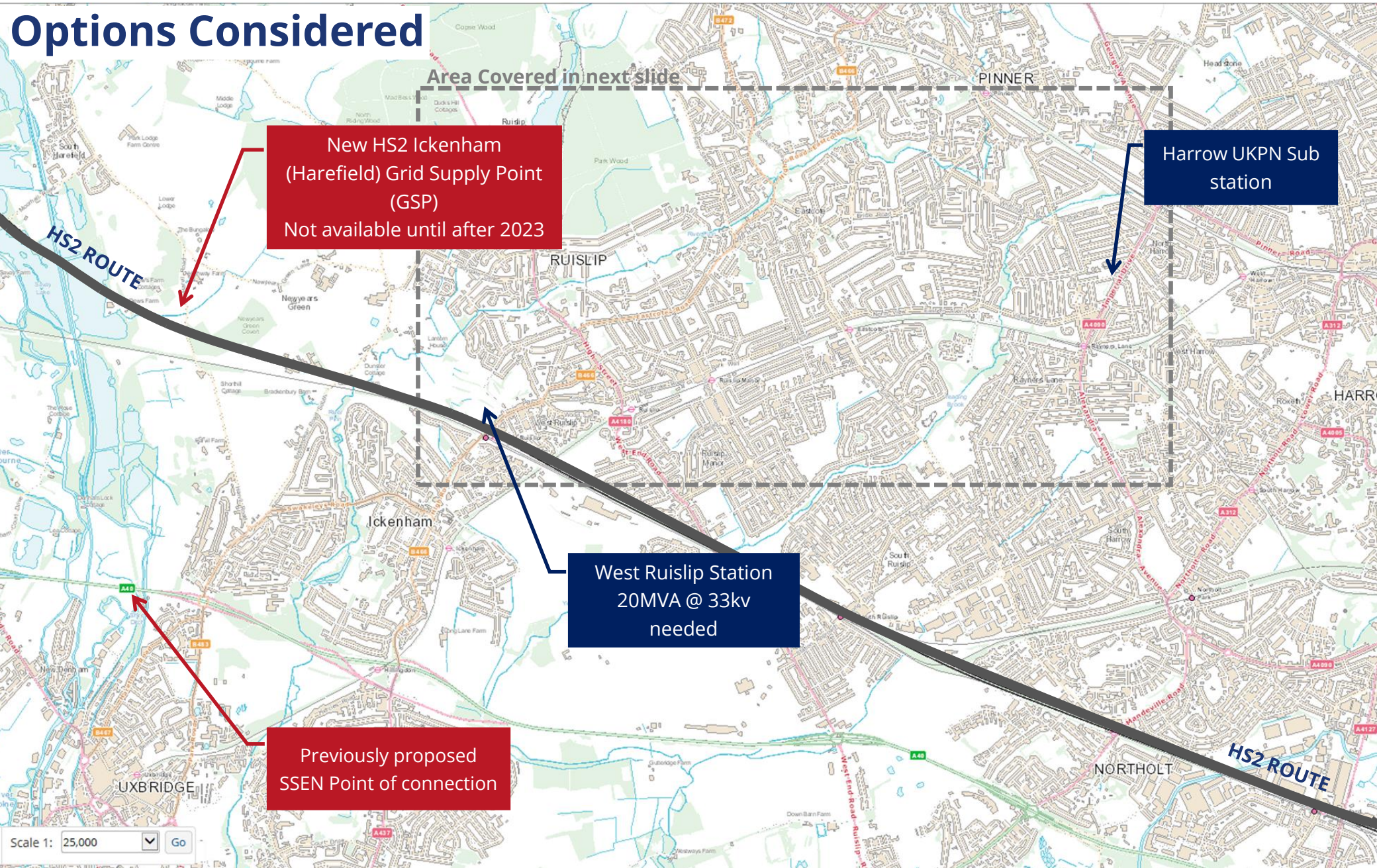
A high capacity 33kV 20MVA power supply is required at West Ruislip for a Tunnel Boring Machine (TBM) that will create the tunnels between Ruislip and Old Oak Common.

As a comparison, a 1MVA supply would typically provide power to about 250 domestic properties.

Once the tunnelling is completed, then the power supply will be used to power operational equipment within the tunnel.

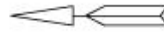


# Options Considered

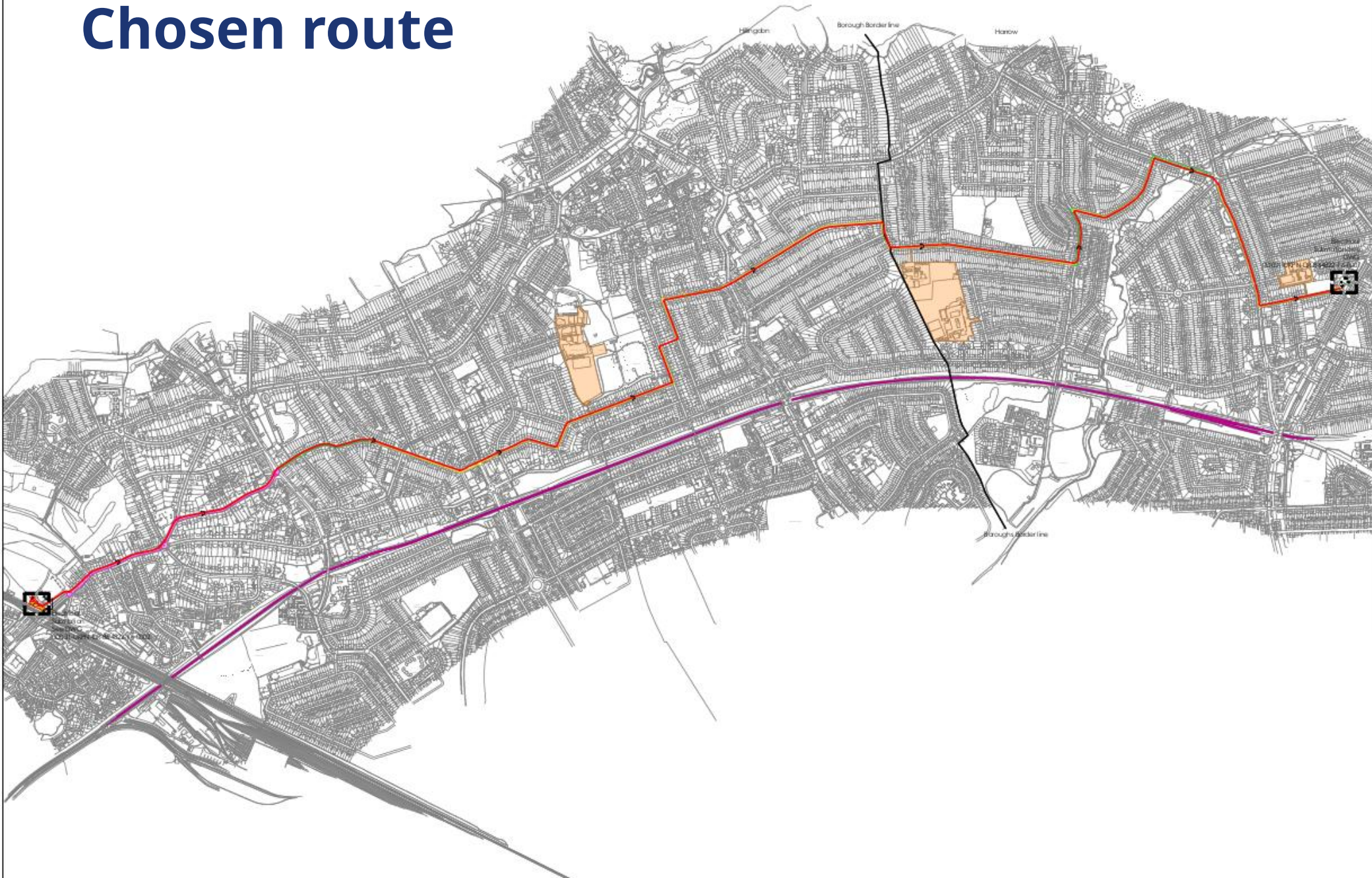


# Chosen route

ICKENHAM



HARROW NORTH-ICKENHAM



# Roads along the chosen route

## Harrow

Farm Avenue

Rayners Lane

*Rayners Ln/ Whittington Way  
/Suffolk Rd intersection*

Whittington Way

St Michael's Crescent

Cannon Lane

Cannonbury Avenue

Rushdene Road

## Hillingdon

Rushdene Road

Deane Croft Road

*Field End Rd intersection*

Meadow Way

Hawthorn Avenue

*Footpath between Hawthorn  
Avenue & Lime Grove  
or alt. route via Elm Ave*

Lime Grove

Myrtle Avenue

The Uplands

*Intersection at The Uplands/  
Hawtrey Drive/College Drive*

Westholme Gardens

*Eastway/Ridgeway intersection*

*Windmill Hill/Manor Way  
intersection*

Manor Way

*Windmill Way/Manor Way  
intersection*

Midcroft

*High Street/ Ickenham Road  
intersection*

Ickenham Road

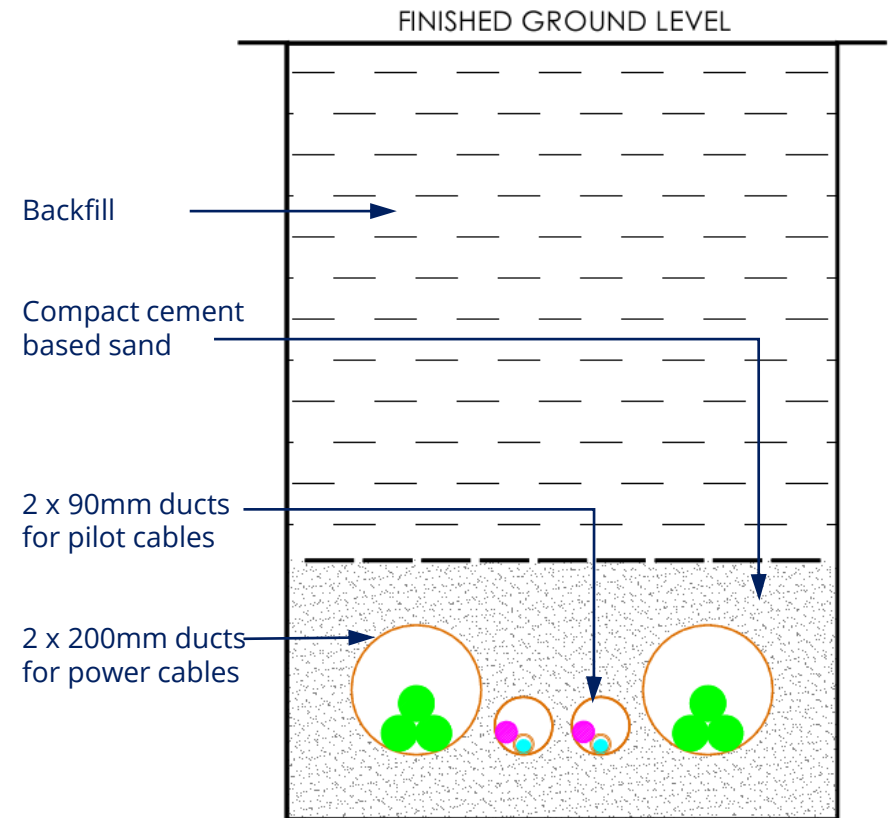
*Kings End/ Wood Lane  
intersection*

# What does it mean to residents

4 separate worksites spread along the 7km route comprising of:

- 50m long x 1.5m wide x 1.65m deep trench with fencing and traffic management either side.
- The trench will be wider in specific areas, e.g. where there will be cable pulling pits.
- A rolling programme with the duration of works in each 50m section to be around 2 -4 weeks.
- One lane of traffic would be kept open at all times.
- Local Authority specific requirements on street works will be applied including work around sensitive receptors such as busy junctions and schools.

*Typical construction detail for 33kV Cable Route*



# Typical worksites (1)

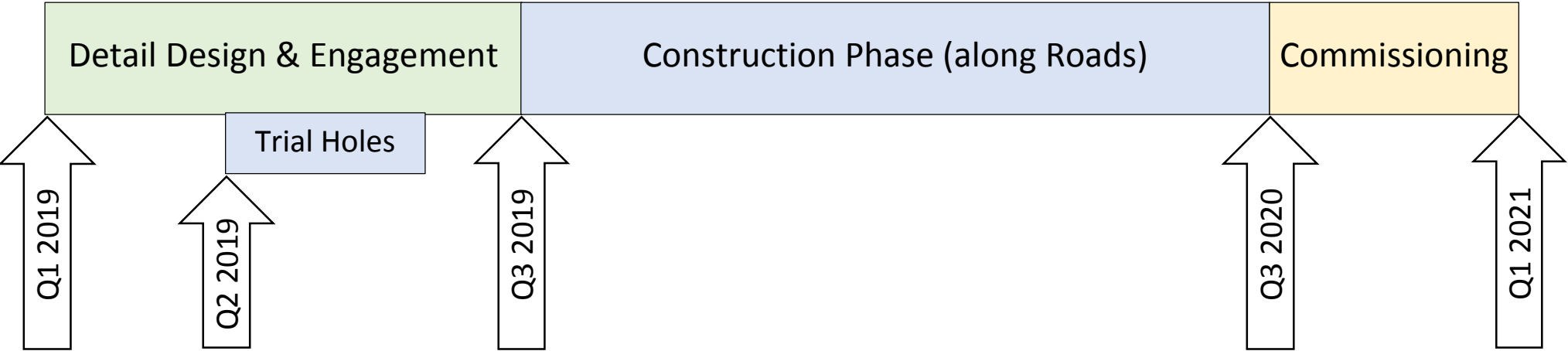




# Typical worksites (2)



# Proposed Timeline & next steps\*



*\* The programme shown is based on Scheme Design Stage*

