



Virtual exhibition and works update, Chalfont St Peter

July 2020 | www.hs2.org.uk

High Speed Two (HS2) is the new high speed railway for Britain. We are continually reviewing the works on our construction sites in line with Government and Public Health England (PHE) advice on dealing with COVID-19. The Government's current strategy makes it clear that construction activity can continue as long as it complies with this guidance. Please be assured that only sites that can operate within the guidelines are operational. All sites will remain under constant review

Chalfont St Peter Vent Shaft virtual exhibition invite

Over the last two years we have held engagement events to share information on the progress of our design, to involve local people and respond to feedback. Our last event in Chalfont St Peter was in October 2019 when we asked for feedback on topics including the design of the vent shaft headhouse and the landscape.

We are holding a virtual exhibition to share the details of the final plans for the Chalfont St Peter vent shaft, headhouse, and landscape design. We will also share information about the timelines for building the vent shaft and the steps we have taken to listen to the feedback of local people when developing the design.

We invite you to view our plans and details of the construction programme at our virtual exhibition.

Please visit: www.hs2inbucksandox.co.uk

What we are doing

Since March 2020 we have been building a temporary access road for Heavy Goods Vehicles (HGVs) from the A413 Amersham Road to the Chalfont St Peter vent shaft site at Chesham Lane. When this access road opens, a new signalised 'smart' junction will help manage HGV traffic to the site. The signals will only stop the regular traffic flow on the A413 when an authorised HGV approaches the access road. This purpose-built road takes HGV traffic off local roads.

If you have a question about HS2 or our works, please contact our HS2 Helpdesk team on 08081 434 434 or email hs2enquiries@hs2.org.uk

Virtual exhibition

Open until 22 August 2020.

Duration of works

July to December 2020

Monday to Friday 8am-6pm and Saturday 8am-6pm.

We will be on site for start-up and shut down for one hour either side of these times.

During D-wall works extended hours will be required on some days and nights.

What to expect

Increase in site traffic on A413 and new signals operating from July.

What we will do

Manage any impacts, such as traffic and noise with the aim of reducing them wherever possible.

Inform closest residents of extended hours in advance of work.

Continuation of works at Chalfont St Peter Vent Shaft

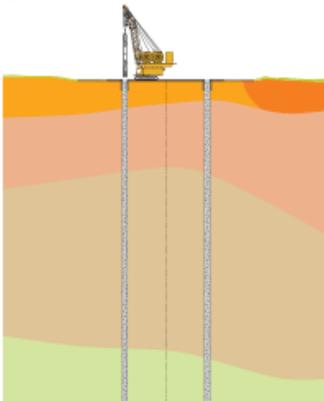
www.hs2.org.uk

Diaphragm walling at the vent shaft site

The vent shaft is an important structure for the railway because it will provide ventilation for the Chiltern Tunnels under Chalfont St Peter. In August we will take the first steps in its construction. The vent shaft walls are being built using a technique called diaphragm walling (D-wall). This is a continuous wall which will be built to create the shaft. It is constructed using a narrow trench dug into the ground, which is supported by engineering fluid while we remove the mud and is finally replaced by reinforced concrete. The construction process for the vent shaft is illustrated below. D-wall construction is expected to take several months and will be one of the busiest periods of our work at this site. During this time, we may require a number of instances where we need to extend our working hours to complete key activities, such as concrete pours. We will always take measures to control and reduce the impacts of this on the local residents and keep you informed about our works. Our helpdesk team are available on 08081 434 434 or by email to hs2enquiries@hs2.org.uk

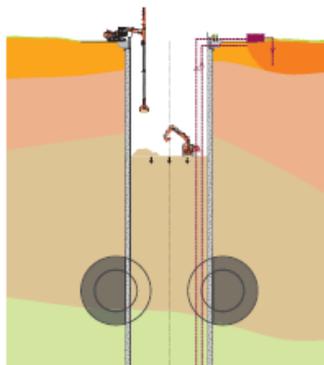
Vent shaft excavation process

1 Outer wall construction



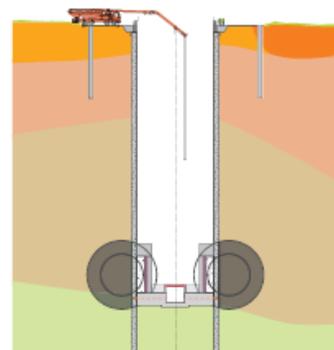
The outer walls of the vent shaft are created using Diaphragm Walls (or 'D'-Walls). These are constructed from the ground level (top-down). This protects the excavation work from lateral earth pressure and water pressure. These walls will form the external structure of the finished vent shaft.

2 Shaft excavation



The ground around the tunnel entry points is prepared for the arrival of the Tunnel Boring Machines (TBMs). Earth is removed from within the walls with excavators. Groundwater in the shaft is pumped out to local recharge wells.

3 Secant pile, base slab, and collar construction



The outer walls of the headhouse are constructed using a technique called secant piling. When the earth from within the shaft walls has been excavated, concrete is poured into the shaft to create the base slab. A structure called a collar is constructed to support the shaft when the TBMs arrive and pass through.

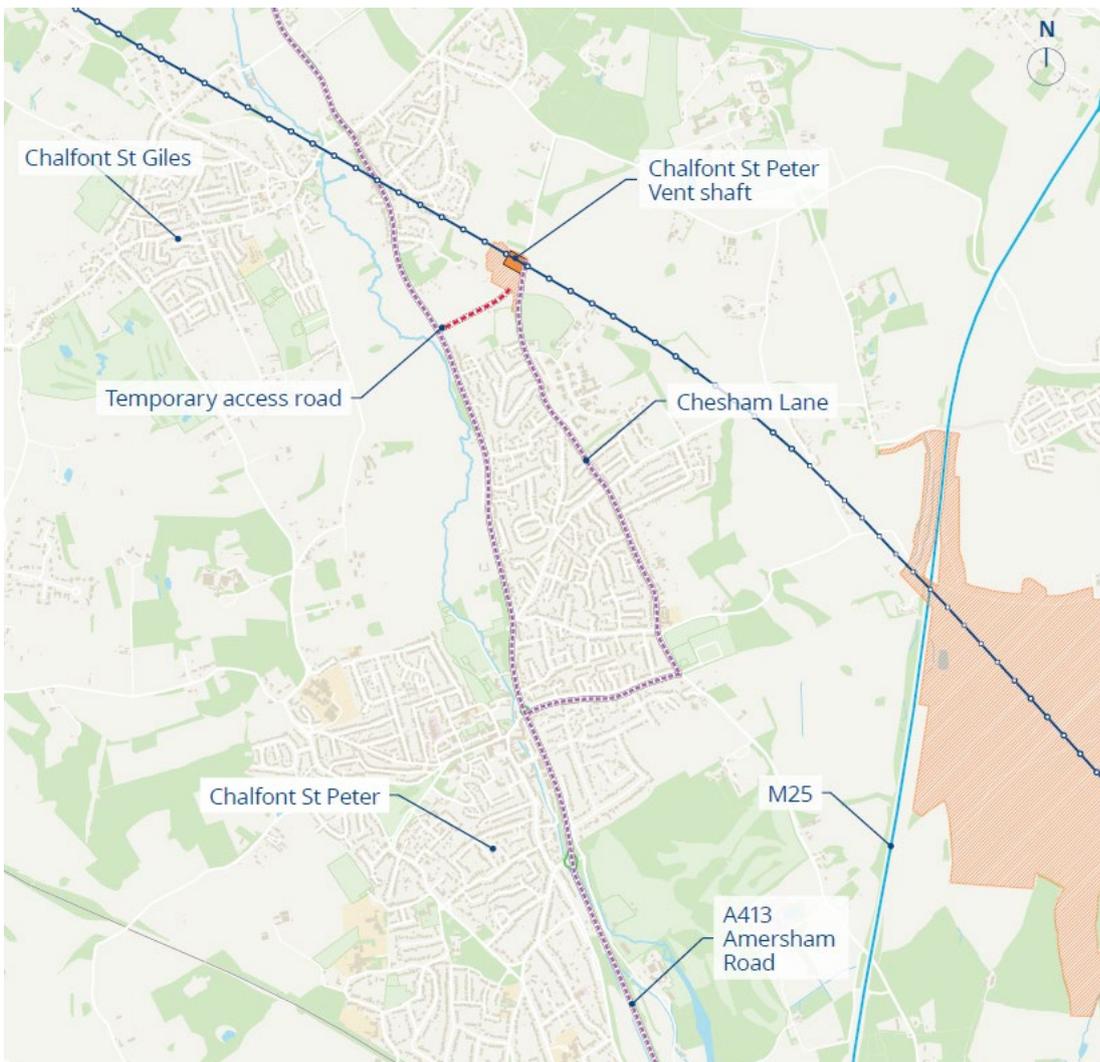
How will these works affect me?

If you use the A413 Amersham Road from late July you will see that the temporary traffic management has been removed and the new signalised junction is in place where the access road meets the A413. During busy periods of construction you may notice an increase in HGV traffic on the A413 Amersham Road. This may lead to slightly longer journey times if you are travelling behind a works lorry heading to the site as the new signals stop traffic, allowing it to enter the site.

If you live near the vent shaft site when the main works start in August you will potentially notice increased and extended activity including increased traffic, noise and vibration from the site. There will be times during the D-walling works where we will need to work outside the normal working hours.

Area of works

The map below details the works area. The red dotted line shows the location of the new temporary access road that will take HGVs to the vent shaft site from the A413. The purple line is the route smaller vehicles will take to access the vent shaft site.



Keeping you informed

We are committed to keeping you informed about work on HS2. This includes ensuring you know what to expect and when to expect it, as well as how we can help.

Residents' Charter and Commissioner

The Residents' Charter is our promise to communicate as clearly as we possibly can with people who live along or near the HS2 route.

www.gov.uk/government/publications/hs2-residents-charter

We also have an independent Residents' Commissioner whose job is to make sure we keep to the promises we make in the Charter and to keep it under constant review. Find reports at:

www.gov.uk/government/collections/hs2-ltd-residents-commissioner

You can contact the Commissioner at: residentscommissioner@hs2.org.uk

Construction Commissioner

The Construction Commissioner's role is to mediate and monitor the way in which HS2 Ltd manages and responds to construction complaints. You can contact the Construction Commissioner by emailing: complaints@hs2-cc.org.uk

Property and compensation

You can find out all about HS2 and properties along the line of route by visiting:

www.gov.uk/government/collections/hs2-property

Find out if you're eligible for compensation at:

www.gov.uk/claim-compensation-if-affected-by-hs2

Holding us to account

If you are unhappy for any reason you can make a complaint by contacting our HS2 Helpdesk team. For more details on our complaints process, please visit our website:

www.hs2.org.uk/how-to-complain

Contact Us

Contact our HS2 Helpdesk team all day, every day of the year on:

 Freephone **08081 434 434**

 Minicom **08081 456 472**

 Email **hs2enquiries@hs2.org.uk**

Write to:

FREEPOST

HS2 Community Engagement

Website **www.hs2.org.uk**

To keep up to date with what is happening in your local area, visit:

www.hs2inyourarea.co.uk

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<https://www.gov.uk/government/publications/high-speed-two-ltd-privacy-notice>

Reference number: CSP YSWD and D-walling AWN July 2020

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