

## Information Sheet - Silvertown Works

Riverlinx CJV are working on behalf of Transport for London to construct the Silvertown Tunnel.

### What are we doing?

This is a busy time for Riverlinx CJV as more activities begin across our Silvertown site. The update below provides an overview of some key areas of work this quarter as we prepare for the tunnel boring machine (TBM) launch.

### Arrival of TBM parts

Our TBM has been specially manufactured for the scheme and is the largest TBM by diameter - 11.91 metres - to ever be used in the UK. The biggest parts of the TBM have now arrived, (see pictures 1 and 2) and the team have begun re-assembling the front section of the machine. We have used a combination of road and barge transportation to bring this extremely heavy machinery to our Silvertown site. The front section alone weighs in at 1,200 tonnes which makes it 95 times heavier than a double decker bus. From 21 February, the team will begin the process of welding the key components together. Please note, these works will take place throughout the day and night.



Fig. 1 transportation of TBM parts



Fig. 2 The cutterhead of the TBM

### River transportation

Continuing with our initiative to minimise road use and instead use the river for transport, we have now started removing suitable excavated material by barge. Following major upgrade of the facilities at Thames Wharf to enable the safe mooring and loading, our first barge was received at the start of February. (See fig.3). This method of transportation will considerably reduce the number of total lorry movements. Some lorries will still be used for delivery purposes, with all vehicles used by the project meeting the highest emissions standard (Euro VI).

To facilitate the movement of excavated material from site to barge, we are also building a conveyor system. (See fig. 4.) When tunnelling begins, this system will be used to move excavated material from the launch chamber to Thames Wharf, ready for removal at high tide.



Fig. 3 River transportation of excavated material

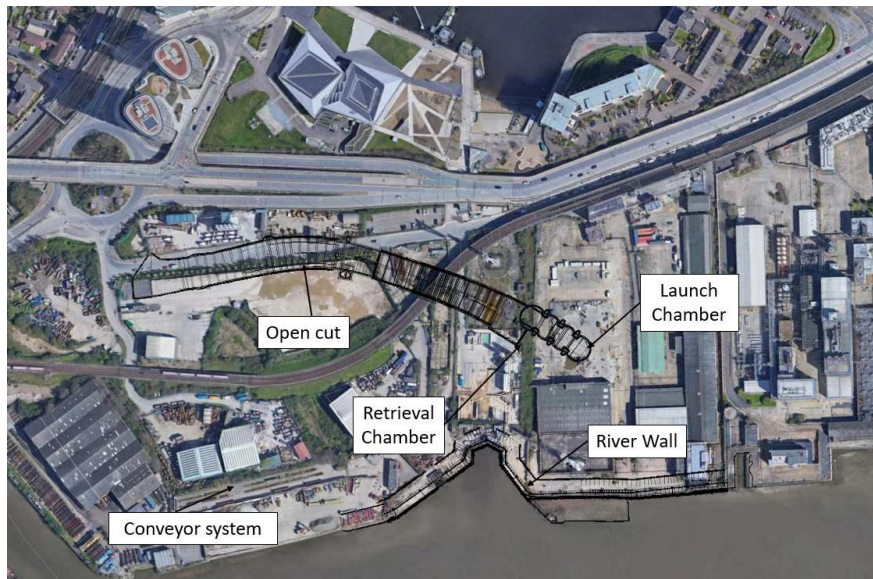


Fig. 4 Conveyor system

### Tunnel approach – sheet piling

From 16 February, we will begin installing sheet piles (interlocking steel panels) to construct the walls of the future tunnel approach, also known as the 'open cut'. Please see the location in the map below.

The sheet pile wall will enable excavation to follow, lowering the ground in between to form the path which will lead into the tunnel. Preparatory works have taken place to loosen the ground ahead of sheet pile installation. These works can be noisy and will only be carried out during our core working hours of 08.00 – 18.00.



### Temporary Car park construction

A temporary car park will be constructed at the end of February to serve nearby businesses. Works will consist of breaking up the existing ground, installing services and laying asphalt. These works will take approximately 10 weeks to complete and will be carried out within core hours.

### Excavation

Excavation works continue in each of the four shafts within the launch chamber to reach a final depth of 23m. Both excavation and reinforcement works in this area will continue throughout the night as the ground is lowered within the structure. Excavated material will be transferred to the conveyor system and transported off site by barge.

### Community Liaison Group (CLG) meetings

CLG meetings are held quarterly to provide an update to the community and to receive feedback. If you would like to attend, please get in touch via the Helpdesk contact details shown in the right-hand column. The next meeting will be held virtually on MS Teams on 15 March 2022 at 18.00. We hope to see you there.

- **Core hours:** Mondays to Fridays: 08:00 to 18:00; Saturdays: 08:00 to 13:00.
- **Extended hours:** Mondays to Fridays: 07:00 to 08:00 and 18:00 to 22:00. Saturdays: 07:00 to 08:00 and/or 13:00 to 19:00
- **River wall extended hours:** Monday to Saturday 04:00 to 08:00 and 18:00 to 22:00 N.B. All tidal hours will only be used if necessary.
- **Excavation and piling:** Operations will extend into the night until May 2022.
- **Assembly of TBM** Operations will extend into the night

Any questions?

Please get in touch:

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