



**Tideway**

**King Edward Memorial Park Foreshore  
Community Liaison Working Group  
Thursday 10 October**

# Staff

## Tideway

- Allen Summerskill, Stakeholder & Consents Manager

## CVB – main works contractor

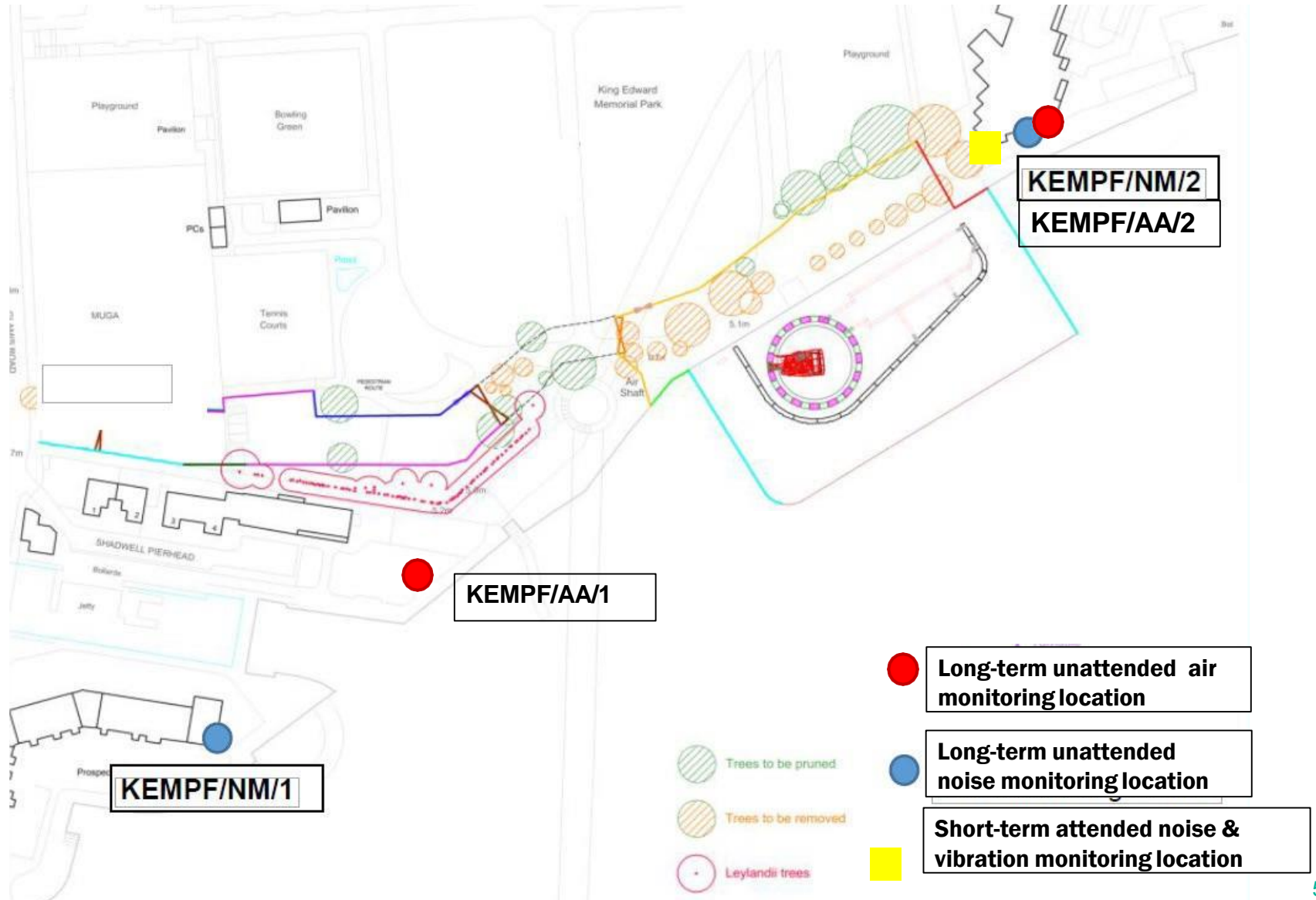
- Dominic Lovelock, Project Manager
- Martin Griffiths, Senior Community Relations Manager
- Heather Nickson, Environmental Advisor
- Toby Cuthbert, Deputy Project Manager
- Magdalena Andres, Senior SHE Advisor

# Content

- Noise and air quality
- Legacy
- Construction progress
- Upcoming works

# Noise and air quality

- No exceedances between July and September





# LEGACY





# Swapping art for construction

- 30 children (aged 7 to 11) from local Lemon Art club visited KEMPF
- Staff on the foreshore talked about the river and how Tideway is cleaning up the Thames
- After mud larking and a picnic in the park, the group visited the site itself, hearing about the importance of safety, spotting machinery and characters from 'Finding Nemo'
- The children also took part in an 'engineering' activity in the park with staff, working in teams to design and construct the tallest newspaper tower



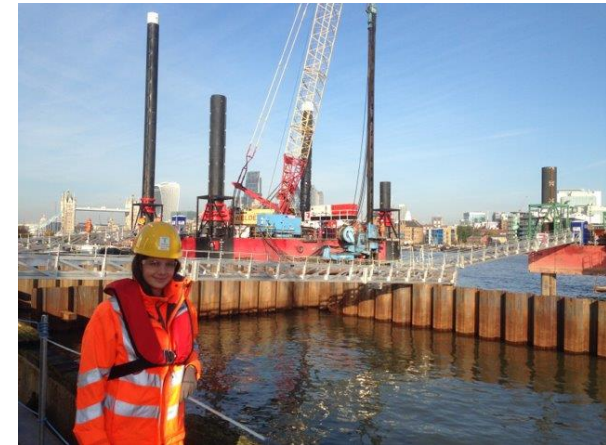
# Next Generation

Three digital engineering apprentices have joined our site teams



The latest 12-week Breaking Barriers programme is under way for teenagers, offering mentoring, soft skills development and rowing

Our undergraduate civil engineering student, with Tideway East on a Summer placement, enthused over “a fantastic opportunity to experience the industry first hand.”





# Foreshore clean-ups

Two staff clean-ups took place this Summer: the first collecting data in North Greenwich and the second digging out plastic from the foreshore of the Isle of Dogs





# Taster into Construction

We ran our third course for the 999 Club, a small charity providing advice, shelter, health checks & activities for homeless people in South London.

Sessions were led by our staff volunteers and included manual handling training, health and safety familiarisation, interview skills and CV writing



Making change count  
for homeless people

# Feedback from our community survey in the River Times



- ***‘site workers friendly – always say hello, especially at pedestrian crossing’***
- ***‘everybody considerate, courteous’***
- ***‘keeping local access to the park and the Thames path’***
- ***‘Thank you for ‘River Times’, it’s so good to be informed about activities & progress’***
- ***‘trying to keep local residents happy and aware of progress and noise etc’***
- ***‘great job’***
- ***‘thank you for the proactive updates – they’re very useful’***
- ***‘nice to have windows in the hoarding surrounding the site so we see things changing.’***
- ***‘great overall, can’t wait to see what it’s like when complete’***
- ***‘very considerate to neighbours and the environment, doing an excellent job and minimising disruption to locals’***



# CONSTRUCTION



# Progress

- We've completed grout block installation and deep soil mixing to strengthen the ground conditions within the cofferdam
- The cofferdam has now been backfilled and is therefore ready for permanent works construction
- Surfacing and temporary works construction (temporary concrete slabs and guide walls) for the cofferdam will be complete by the end of the month
- Equipment mobilisation for diaphragm wall construction. Treatment plants and silos are installed and being commissioned
- Diaphragm wall construction expected in the week from 21 October



# Programme – 12 month look ahead

Activity	2019				2020			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Additional Sheet Piles and Cofferdam Works	Completed							
Prepare Cofferdam Platform and DSM	Completed							
Diaphragm Walls								
Excavate Shaft								

## Standard Working Hours



8:00 to 18:00, Monday to Friday

## Extended Working Hours



Up to 22:00, Monday to Friday  
Diaphragm walls and tidally affected works

## Mobilisation and Demobilisation Hours

Standard: up to one hour before and after  
Extended: up to 30 minutes before and after

## Maintenance

08:00 to 17:00 Saturdays and 10:00 to 16:00 Sundays

# Programme – full

Programme Overview 2018-2021	2017				2018				2019				2020				2021				2022				2023			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Install Cofferdam			Completed																									
Relieving Platform					Completed																							
Additional Sheet Piles and Cofferdam Works							Completed																					
Prepare Cofferdam Platform and DSM							Completed																					
Diaphragm Walls																												
Excavate Shaft							Extended hours for long pours / Removal of excavated spoil.																					
Build Shaft														Extended hours for long pours.														
Hydraulic Structures							Extended hours for long pours / Removal of excavated spoil.																					
Connect into Sewer																												
Build Adit																												
Remove Cofferdam																												
Moving Parts and Tests																												
Landscaping																												

## Standard Working Hours



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## Extended Working Hours



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Diaphragm walls and tidally affected works

## Mobilisation and Demobilisation Hours

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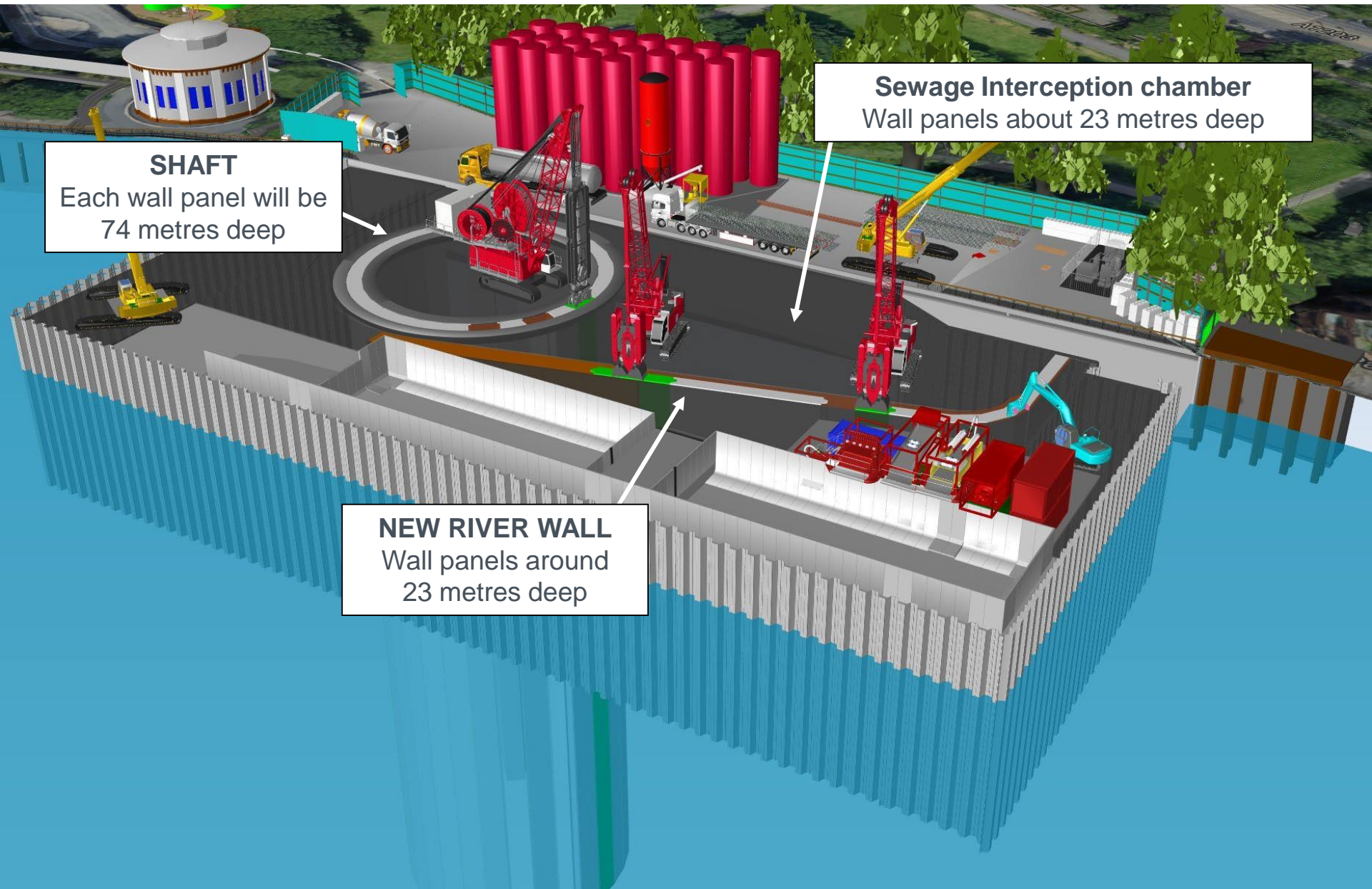
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# Next Phase – installing the diaphragm walls



## SHAFT

Each wall panel will be  
74 metres deep

**Sewage Interception chamber**  
Wall panels about 23 metres deep

**NEW RIVER WALL**  
Wall panels around  
23 metres deep

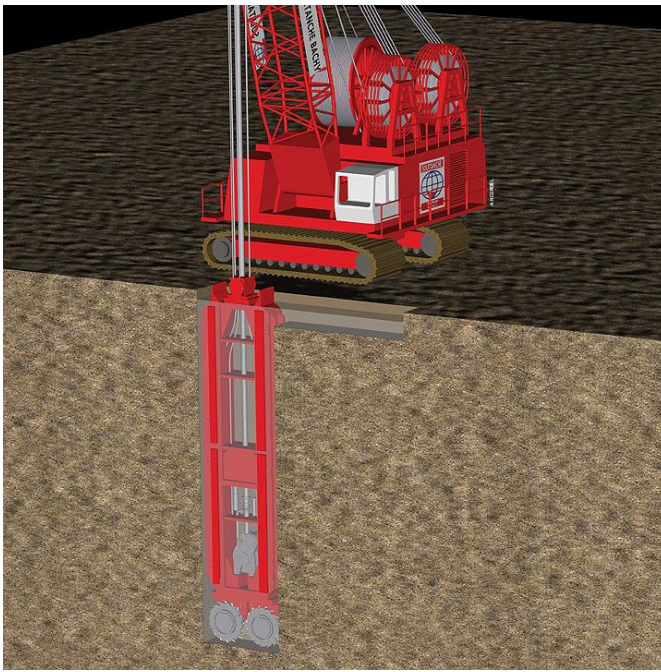
# Diaphragm wall works for permanent structures

- Diaphragm wall construction estimated to begin in the week starting 21 October, for six months
- Installing each wall panel involves digging out with a rig and reinforcing the area with metal cages, before pouring in concrete
- To maintain stability whilst digging and to ensure consistent quality whilst pouring concrete for the panels, we will need to work into extended working hours, up to 22:00, Monday to Friday
- The spoil will leave site by barge, whilst a majority of the cages will be delivered by river.
- We anticipate this will avoid over 1,700 lorries attending the site

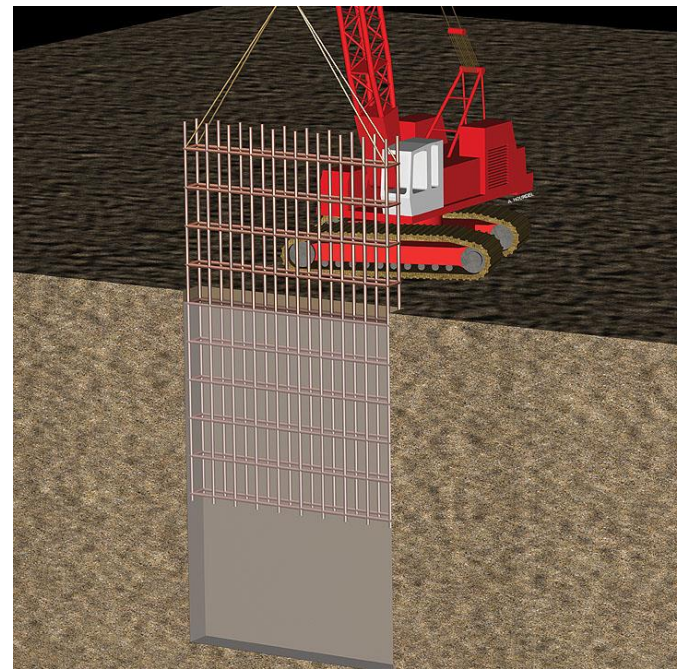




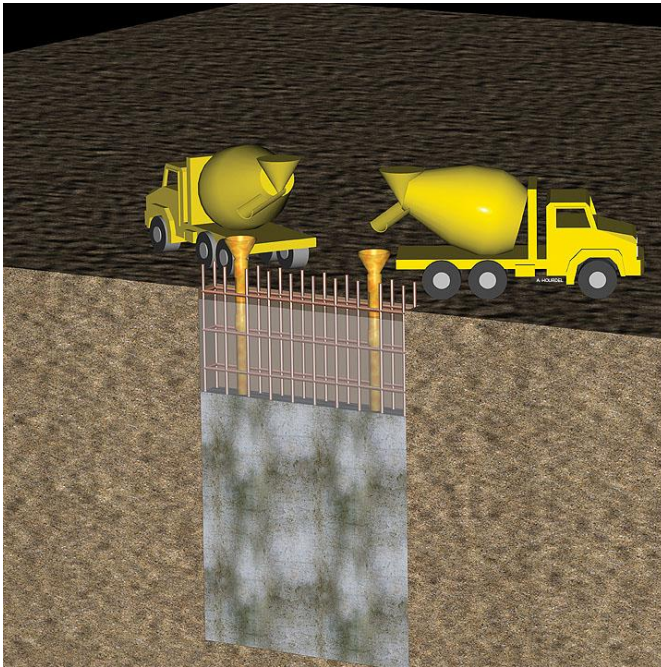
Digging primary panels



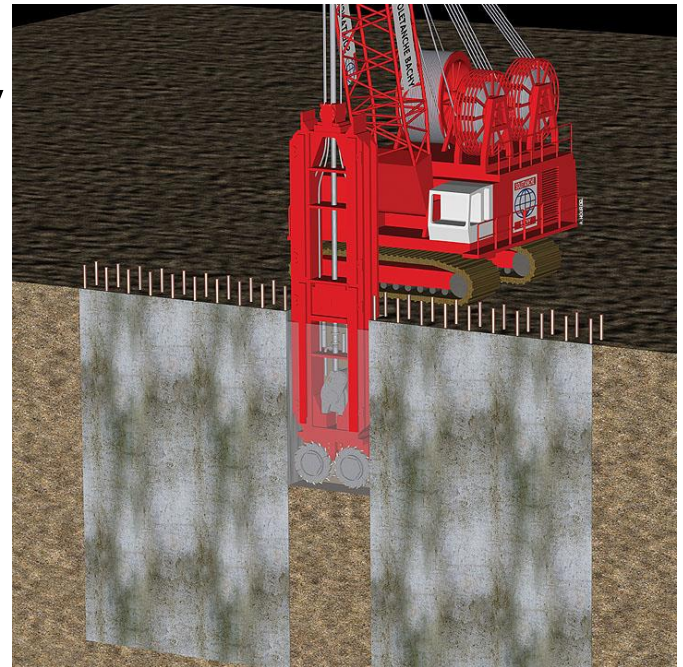
Installing cages



Pouring Concrete



Digging secondary panels

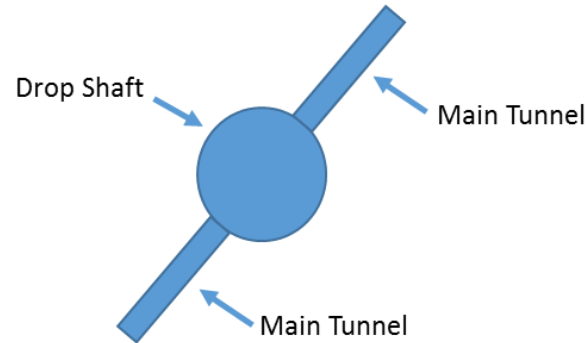


# KEMPF – Non Material Amendment to the Development Consent Order (DCO)

- Additional ground improvement works mean that construction at the site will take longer than anticipated
- To minimise the additional construction duration, Tideway submitted a Non Material Amendment (NMA) to the DCO for a change to the main tunnel alignment
- If approved, this will mean the main tunnel will be constructed approximately 15m further southeast than the original alignment approved under the DCO
- The realignment will mean that the tunnel will not pass directly through the KEMPF drop shaft, but will instead pass to the east of it. A new connection tunnel (approx 15m in length) will then connect the drop shaft to the main tunnel
- This will enable the drop shaft and main tunnel to be built at the same time and minimise the duration of additional construction at KEMPF
- All changes will be approx 60m below ground
- This NMA will not change the size or location of the shaft nor of any of the above ground features

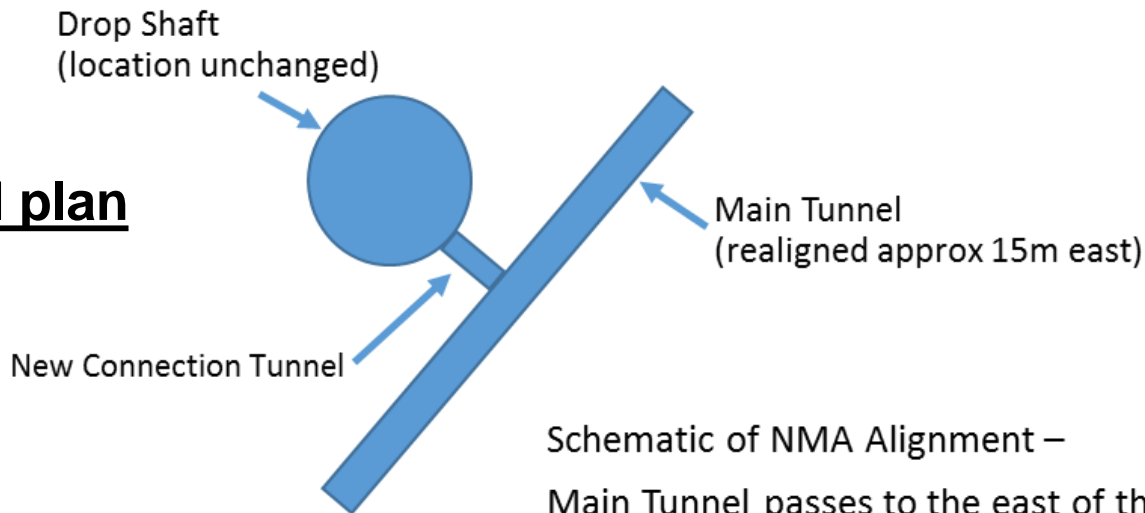
# KEMPF – Non Material Amendment to the Development Consent Order (DCO)

## Original design



Schematic of DCO Alignment –  
Main Tunnel passes through Drop Shaft

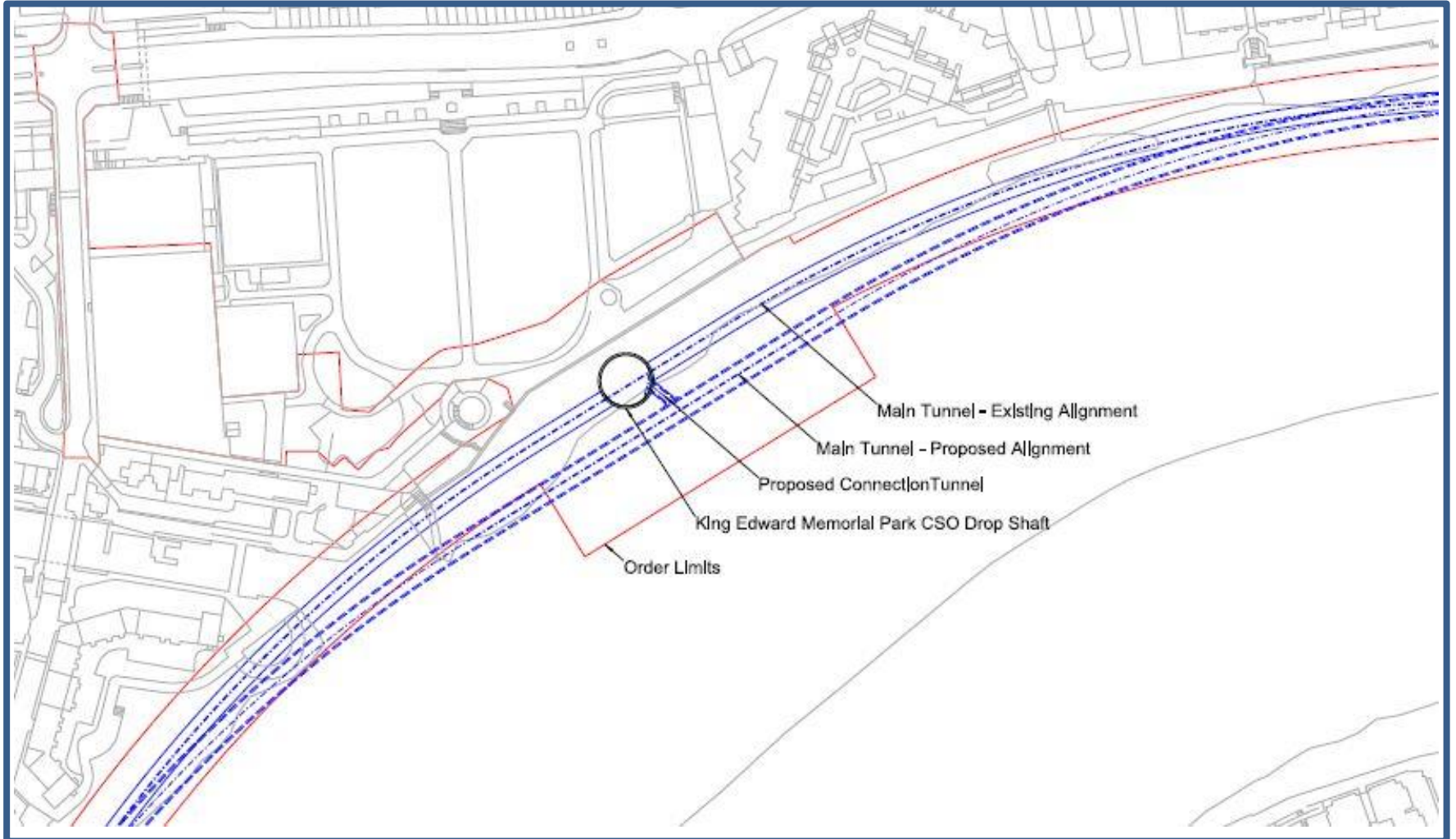
## Revised plan



Schematic of NMA Alignment –  
Main Tunnel passes to the east of the Drop Shaft



# KEMPF – Non Material Amendment to the Development Consent Order (DCO)



**Diagram of the Main Tunnel Realignment**



**Tideway**

If you have any questions or enquiries  
please contact the Tideway Helpdesk :

Telephone: **08000 308080**

Email: [Helpdesk@Tideway.London](mailto:Helpdesk@Tideway.London)