

EARL PUMPING STATION

Community Liaison Working Group

Wednesday 22 February 2023



Tideway

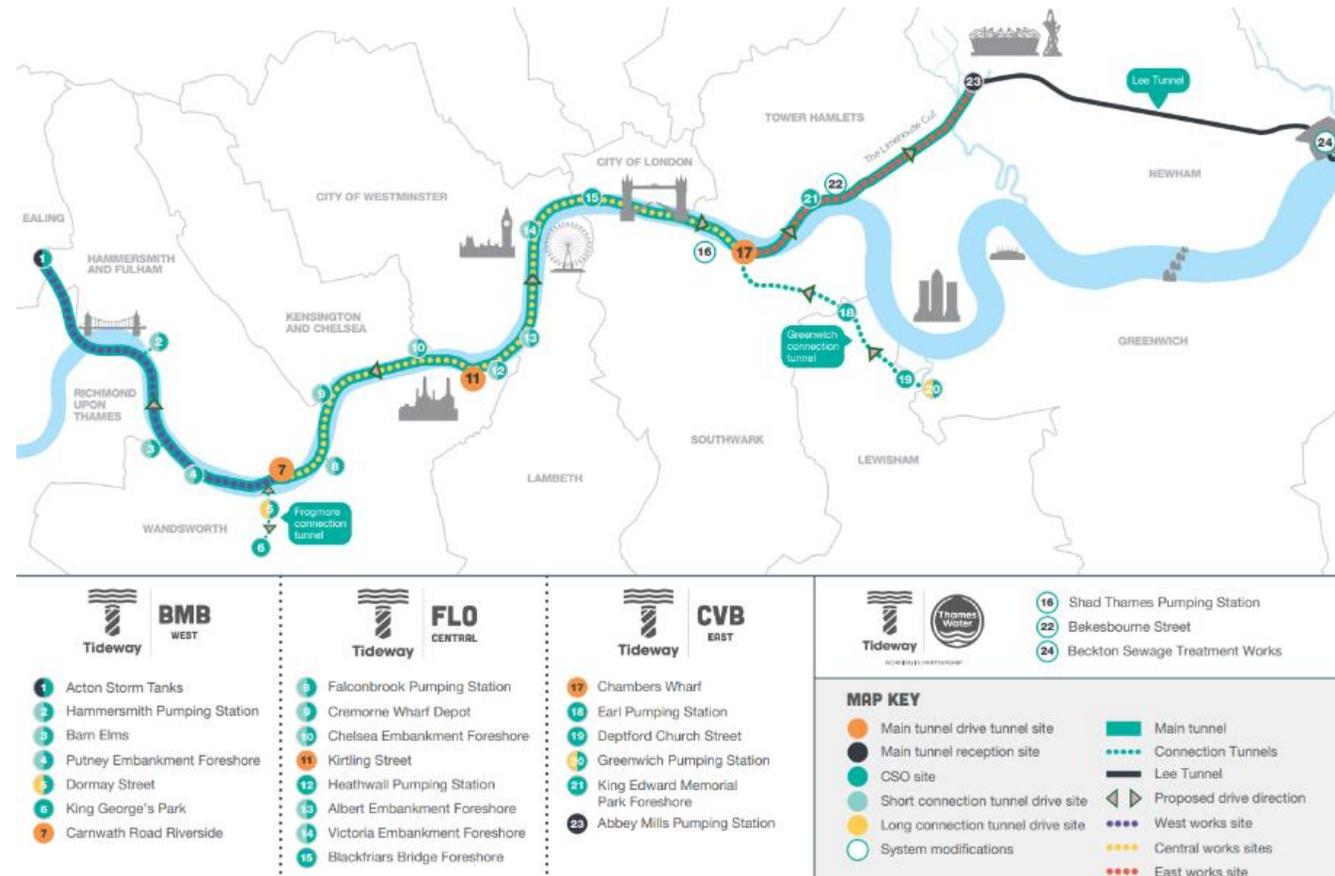


PROJECT OVERVIEW



Tideway

- Primary tunnelling is now complete
- Tunnel secondary lining is due to complete in 2023
- All shafts are fully excavated, shafts are being secondary lined with concrete and shaft lids are going on
- System testing and commissioning to start winter 2023/24
- Super sewer on track to be operational in 2025
- Overall project is over 85% complete



CONSTRUCTION UPDATE

July 2022 to February 2023



Tideway

Combined Sewer Overflow (CSO)

- Horizontal propping installed in 12m deep excavation (South)
- Existing sewer demolished
- Excavation, grouting & support props continuing (North)
- Concrete works started (South)



Existing Thames Water Pumping Station

Enabling works completed in control rooms

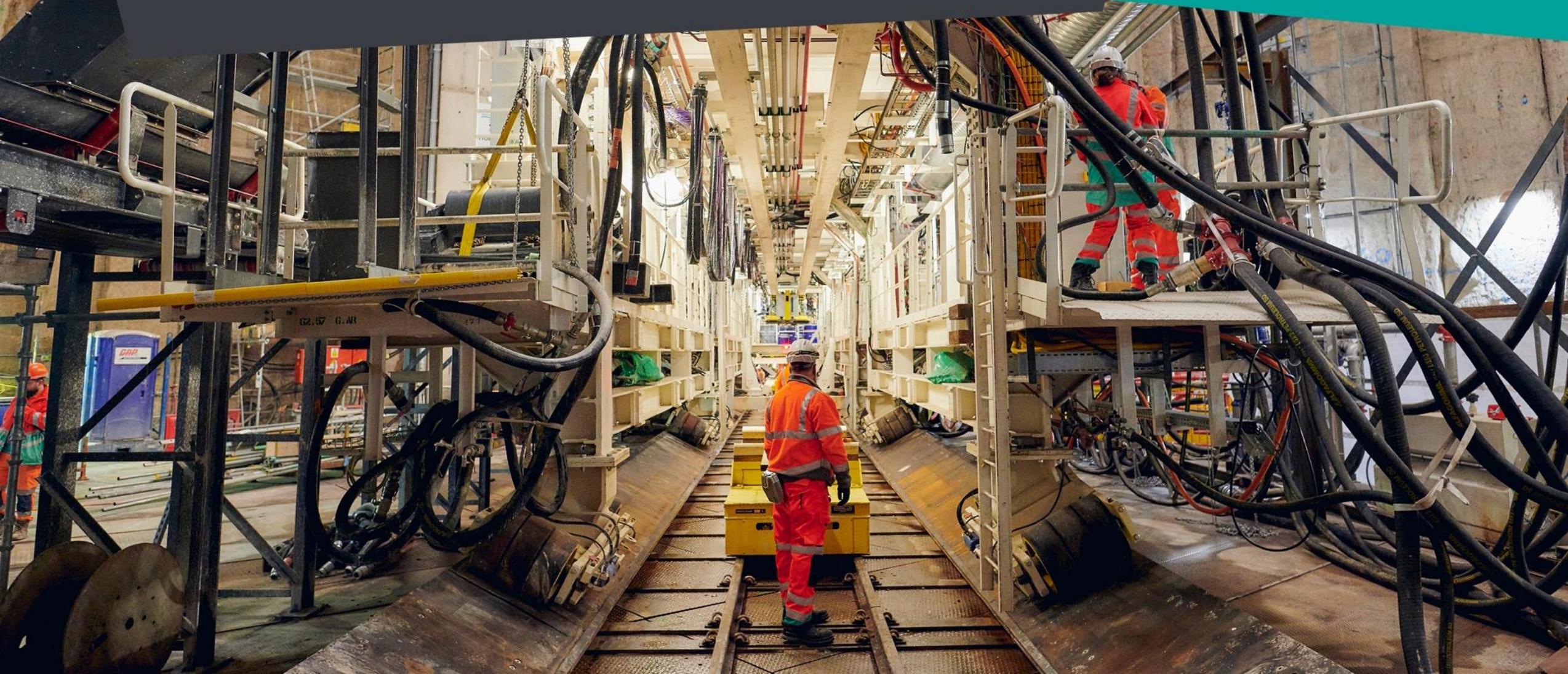
Shaft

Tunnel segments and services removed

WHAT IS COMING NEXT?



Tideway

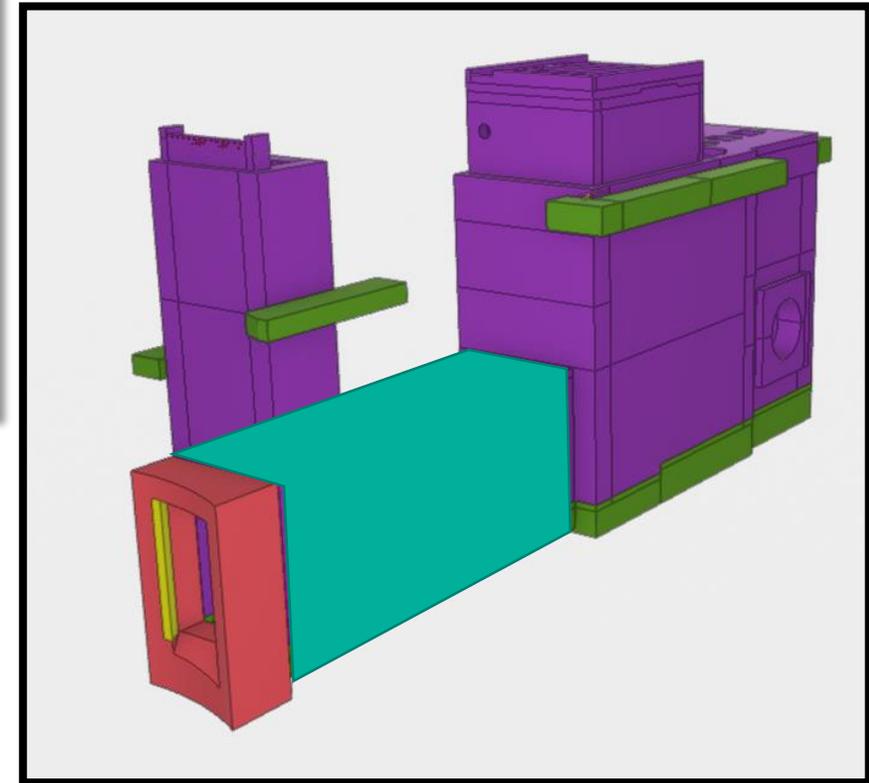
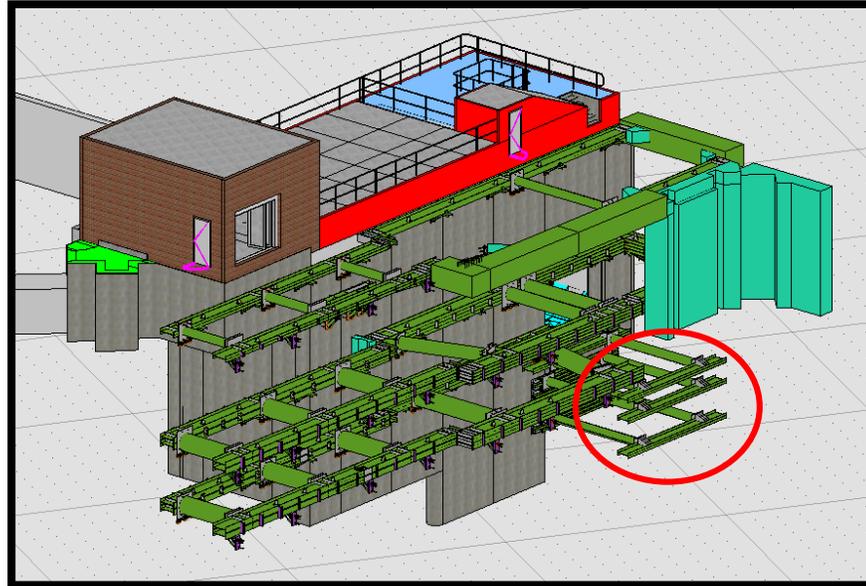


COMBINED SEWER OVERFLOW



Tideway

- We are finishing excavation plus installing the last level of support props within the excavated chamber.
- We will extend from April onward concrete works to the whole CSO.

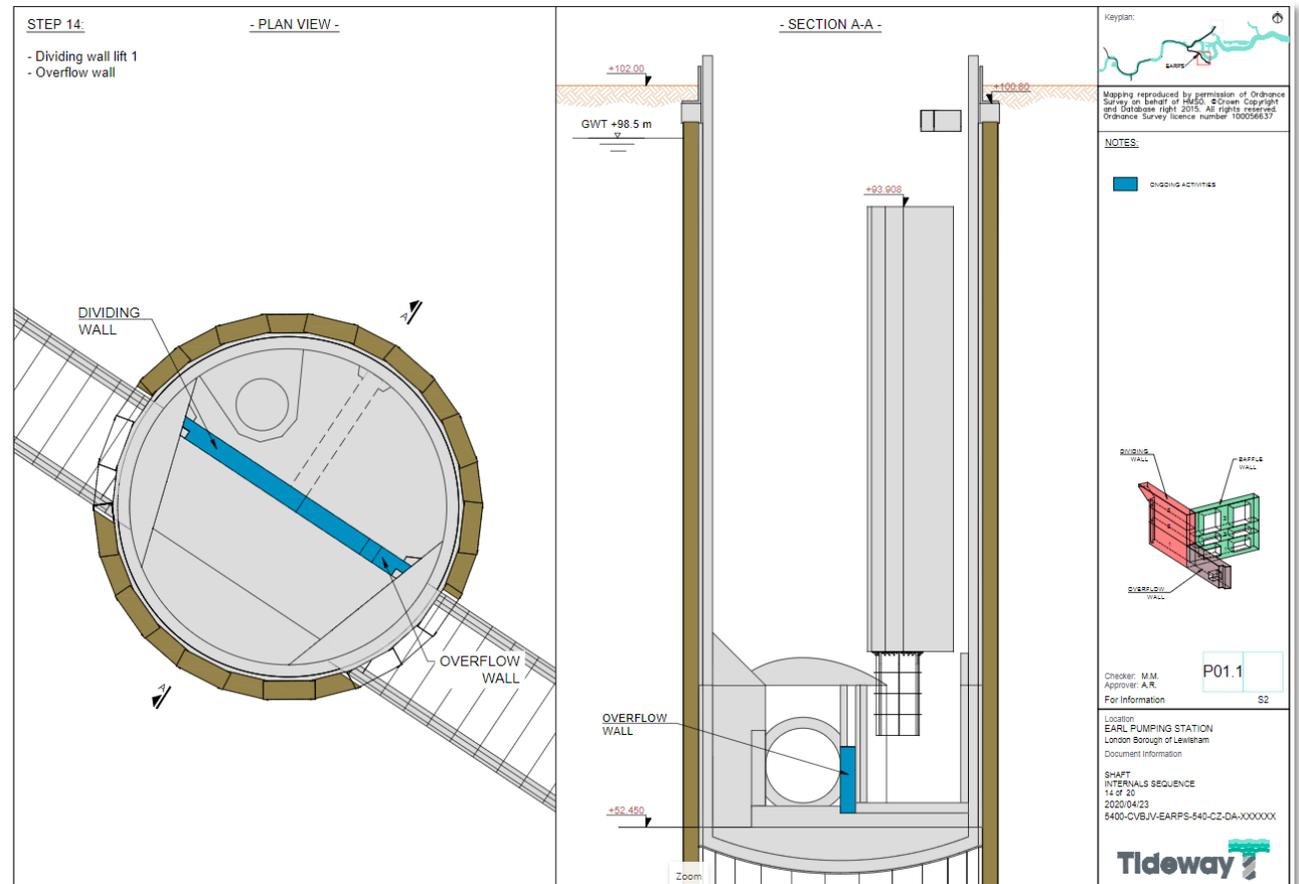


SHAFT WORKS



Tideway

- Adding a secondary lining of concrete within the tunnel between Greenwich and Bermondsey continues and will soon reach the bottom of the Earl shaft.
- Once tunnel secondary lining is complete, tentatively by May, we will resume construction of all the internal structures at the bottom of the shaft (including concrete connection with tunnels).



THE NEXT NINE MONTHS...



Tideway

Programme Overview	2023																	
	February		March		April		May		June		July		August		September		October	
Shaft invert removal / tunnel connections																		
Shaft internals																		
CSO dewatering, excavation, support props install																		
CSO structure works																		
ATU (Air Treatment Unit) structure works																		
Motor rooms refurbishment works																		
Capital Project works (Thames Water)																		

 Standard Working Hours
 Extended Working Hours

8am – 6pm Monday to Friday,
 8am – 1pm Saturday
 6pm – 8pm Monday to Friday,
 1pm – 5pm Saturday

ENVIRONMENT



Tideway



NOISE & AIR QUALITY



Tideway



Month	Noise	Air Quality
	Section 61 Exceedances	24h PM ₁₀ Exceedance
Oct 22	0	0
Nov 22	0	0
Dec 22	0	0
Jan 23	0	0

NOISE MITIGATION

Key methods for reducing noise onsite:

- Planning construction methods with noise impacts as a key consideration (Section 61 consent)
- Monitoring noise across site to identify exceptional noise sources
- Acoustic screening for static machinery, where possible
- Localised screening of louder activities (concrete breaking, floor sawing etc.) where possible
- Sourcing / developing low noise plant & equipment, where possible
- Shutting down plant and equipment when not in use
- Off site fabrication of construction elements, where possible
- Using mains electricity to power equipment, where practicable
- Alternative concrete cutting techniques used to reduce noise when breaking concrete



ODOUR MANAGEMENT



Tideway

While the team is excavating, odour from ground conditions may become more noticeable.

To minimise this:

- Odorous excavated material is covered and removed from the site as soon as possible
- Site personnel are trained to identify and deal effectively with odour sources
- We also have a misting system, to de-odourise or mask odour when necessary
- Focused boundary monitoring for odorous materials of primary concern



TREE PRUNING



Tideway

- Seasonal pruning of trees is required on Croft Street ahead of the new growth season
- Pruning is necessary to ensure access to our CSO works area for cranes and for our security camera sightlines
- Assessments undertaken by an arboriculturist ensures minimal impact on tree health
- Only new growth will be pruned



MITIGATION

If you feel our work is affecting you



Tideway

Who do I go to for advice?

- For personal assistance contact our Helpdesk: 08000 30 80 80 or helpdesk@tideway.london
- For independent advice contact Independent Advisory Service (IAS) Helpline: 0800 917 8845 or info@tidewayias.co.uk

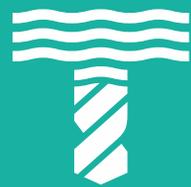
Independent Compensation Panel

You can download an application form from the Tideway website:

www.tideway.london/help-advice/compensation-information/Independent-Compensation-Panel

The Helpdesk can submit your application to the Independent Compensation Panel (ICP) on your behalf, or you can submit your form directly to the ICP: admin@tidewayicp.london

LEGACY



Tideway



LEGACY: STEM



Tideway



Tideway got involved with National Apprentice Week on 7th February when staff volunteered to support the London Design and Engineering UTC's first in-person mock interviews.

This gave students insight into apprenticeships and provided a networking opportunity with employers, plus interview practice.

Careers and Employer Engagement Lead at the UTC, Janice Tricks, said '... this process helped (the learners) to secure the number of degree apprenticeships we got last year.'



LEGACY: STEM & ENVIRONMENT



Site staff volunteered to pull out mature roots and clean a community garden.

Tideway CVB hosted 'A Capital Experience' for charity Career Ready UK.

More than 40 students from secondary schools in our Tideway East site boroughs learnt about the super sewer project with presentations from Community Engagement, Safety Health and Environment (SHE) staff and graduate engineers



LEGACY: VOLUNTEERING

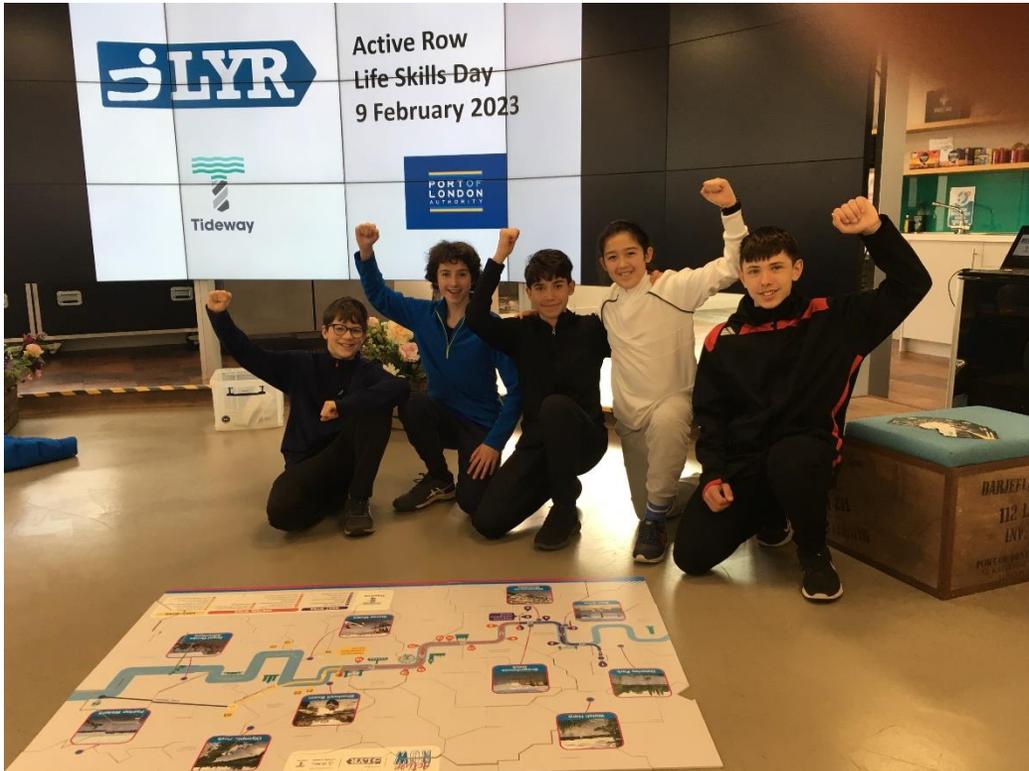


Staff across Tideway East sites dropped gifts into donation boxes in the run up to Christmas.

These presents were delivered to “The Time & Talents charity” by Santa Paul & Santa Keith and to “The Glyn Hopkin Hub” by Santa Martin & Santa Kendal on behalf of Tideway East staff.



LEGACY: LONDON YOUTH ROWING



Tideway East staff have supported the charity from the start of the project.

As well as providing indoor rowing and mentoring to the teenagers, three of the capital's schools came to Tideway HQ for a Life Skills day earlier this month. The children explored Staying Positive and Teamwork



CONTACT US



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

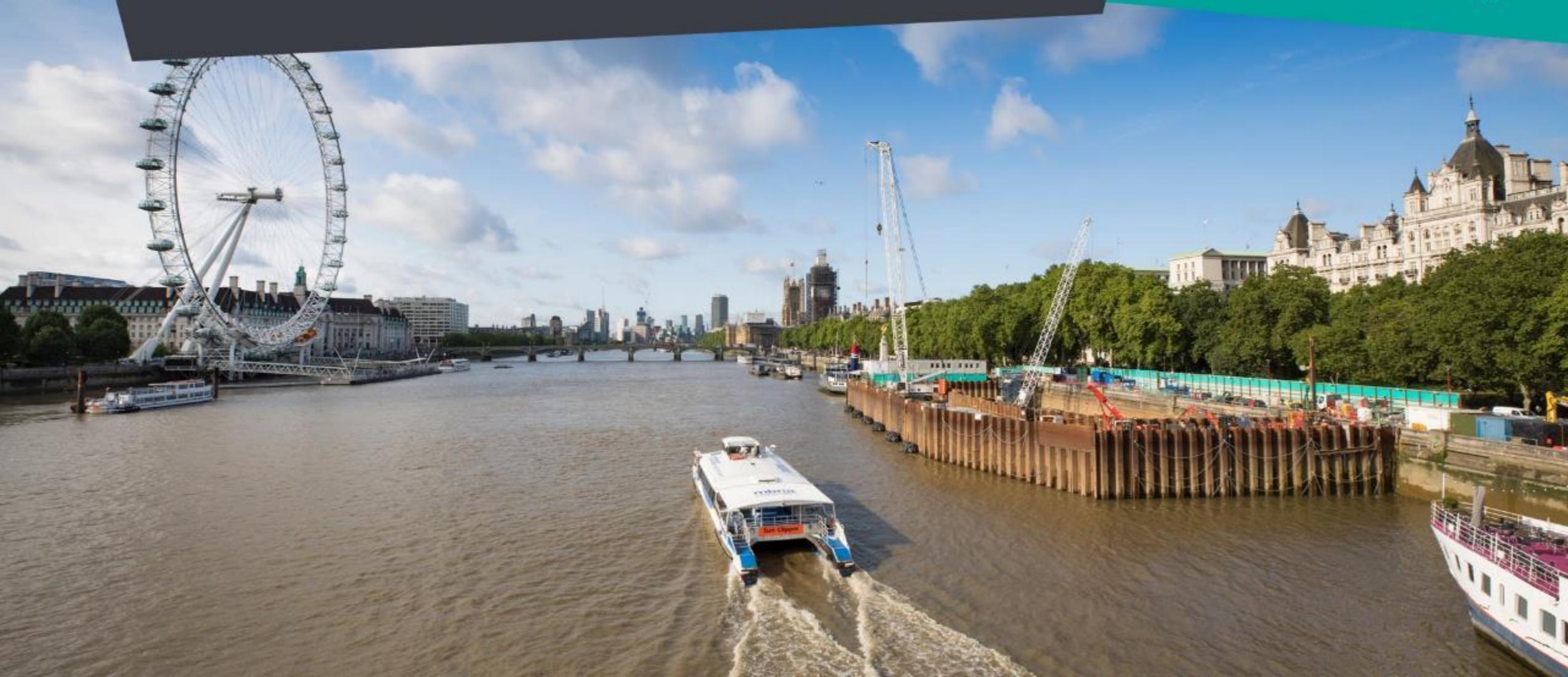
Telephone: 0800 030 80 80

Email: Helpdesk@Tideway.London

ANY OTHER BUSINESS



Tideway



ARCHITECTURE AND LANDSCAPE WORKS



- The architecture and landscape formal submission to Lewisham Council was made on 3 January 2023
- This can be viewed on the Council's planning webpages using Ref: DC/23/129820
- Following comments received on the draft application last year, more low-level planting was added along Croft Street
- Lewisham Council will decide on this application by the end of February



Earl PS J726.01 HV Switchgear & Transformer Replacement
Temporary Traffic Plan during Deliveries and Off-loading



At any time on footway

Maintain single lane but 2 way traffic flow.

Pedestrian Access

Single file traffic

Cone Controlled Area

Marshalled Delivery / Off-loading Point

Temporary closure to pedestrian traffic during off-loading and deliveries

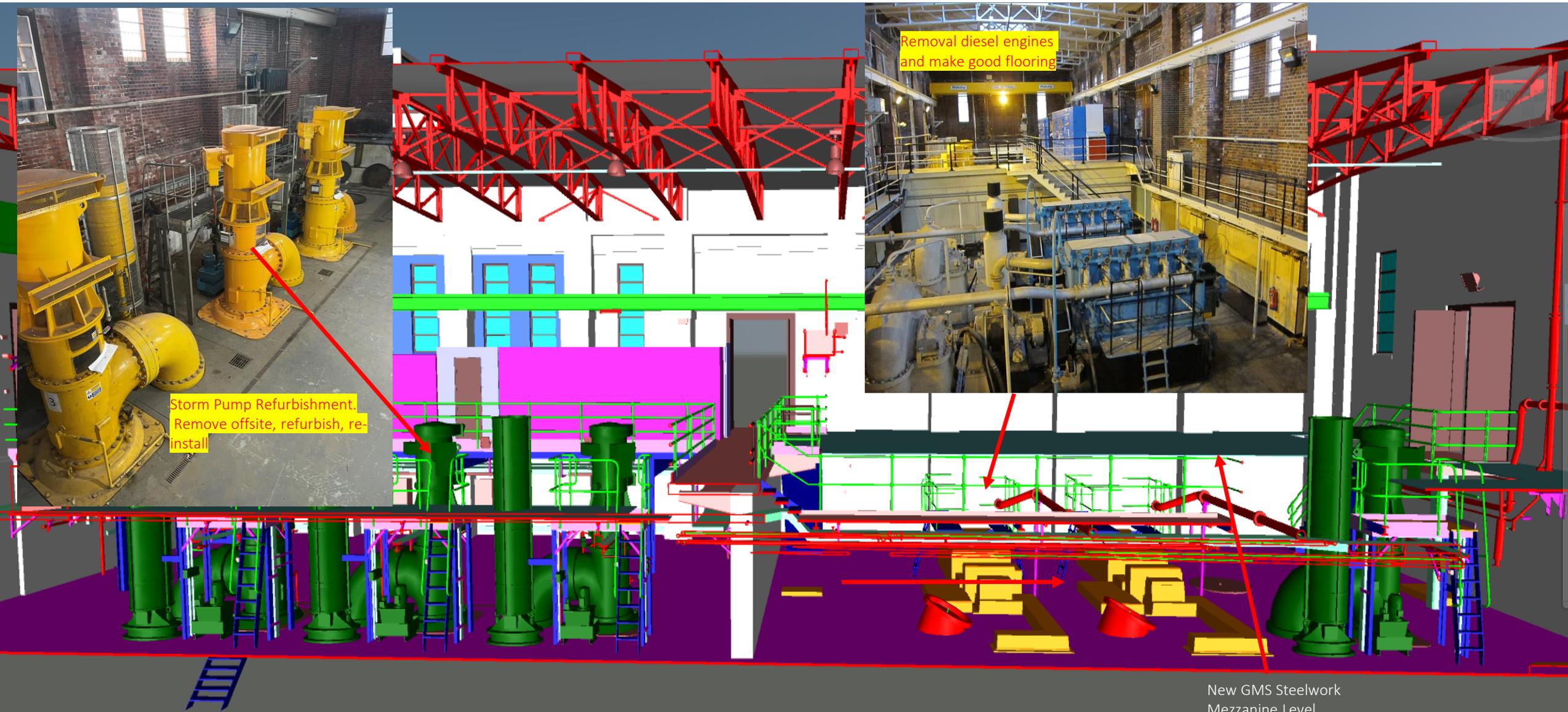
Chilton Grove

Yeoman Street

Earl Pumping Station

Site Boundary

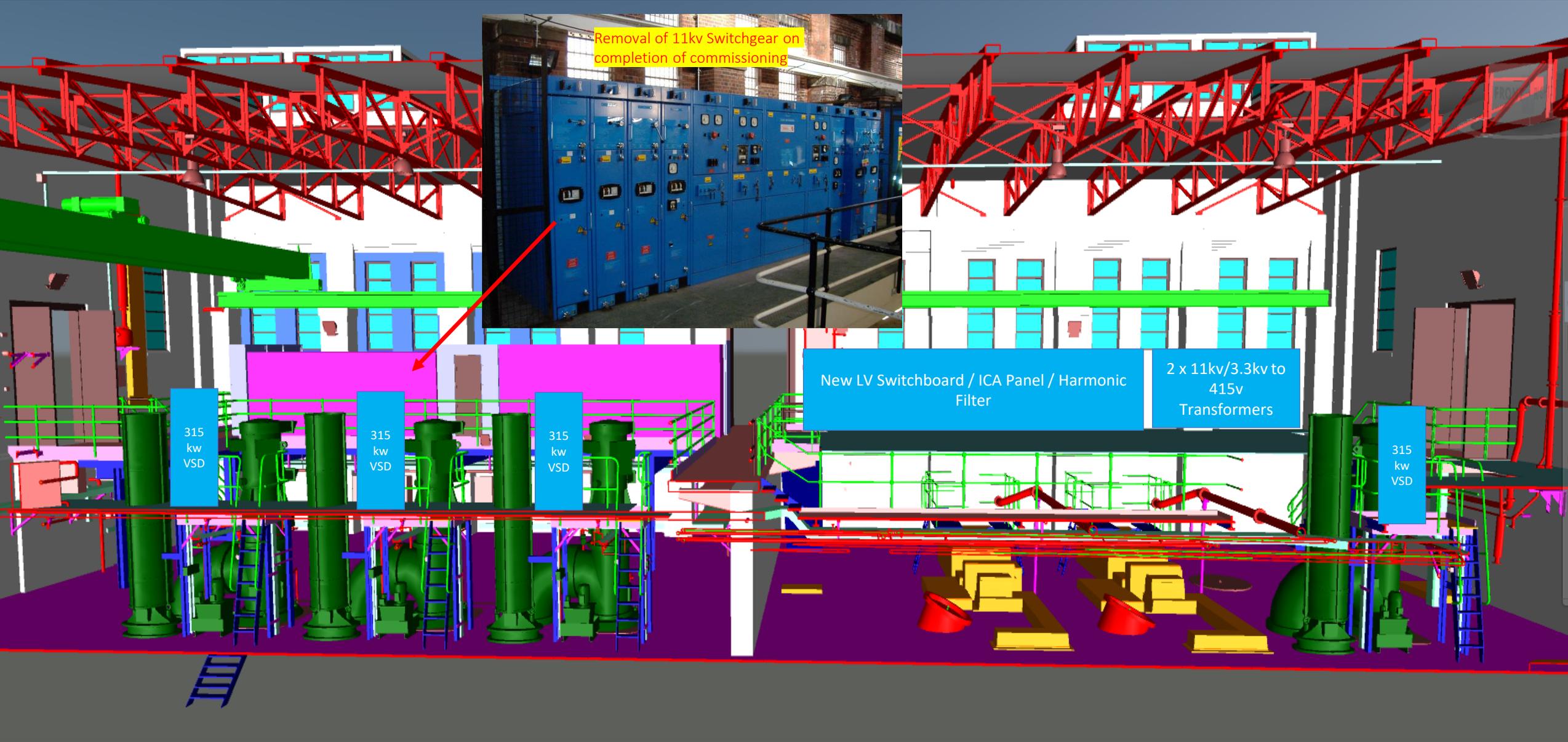
Earl PS – J726.01 HV Switchgear and Transformer Replacement - Brief Scope of Works - Mechanical



Storm Pump Refurbishment.
Remove offsite, refurbish, re-install

Removal diesel engines
and make good flooring

New GMS Steelwork
Mezzanine Level





Tideway

RECONNECTING LONDON WITH THE RIVER THAMES

#SuperSewer

www.tideway.london