

EARL PUMPING STATION

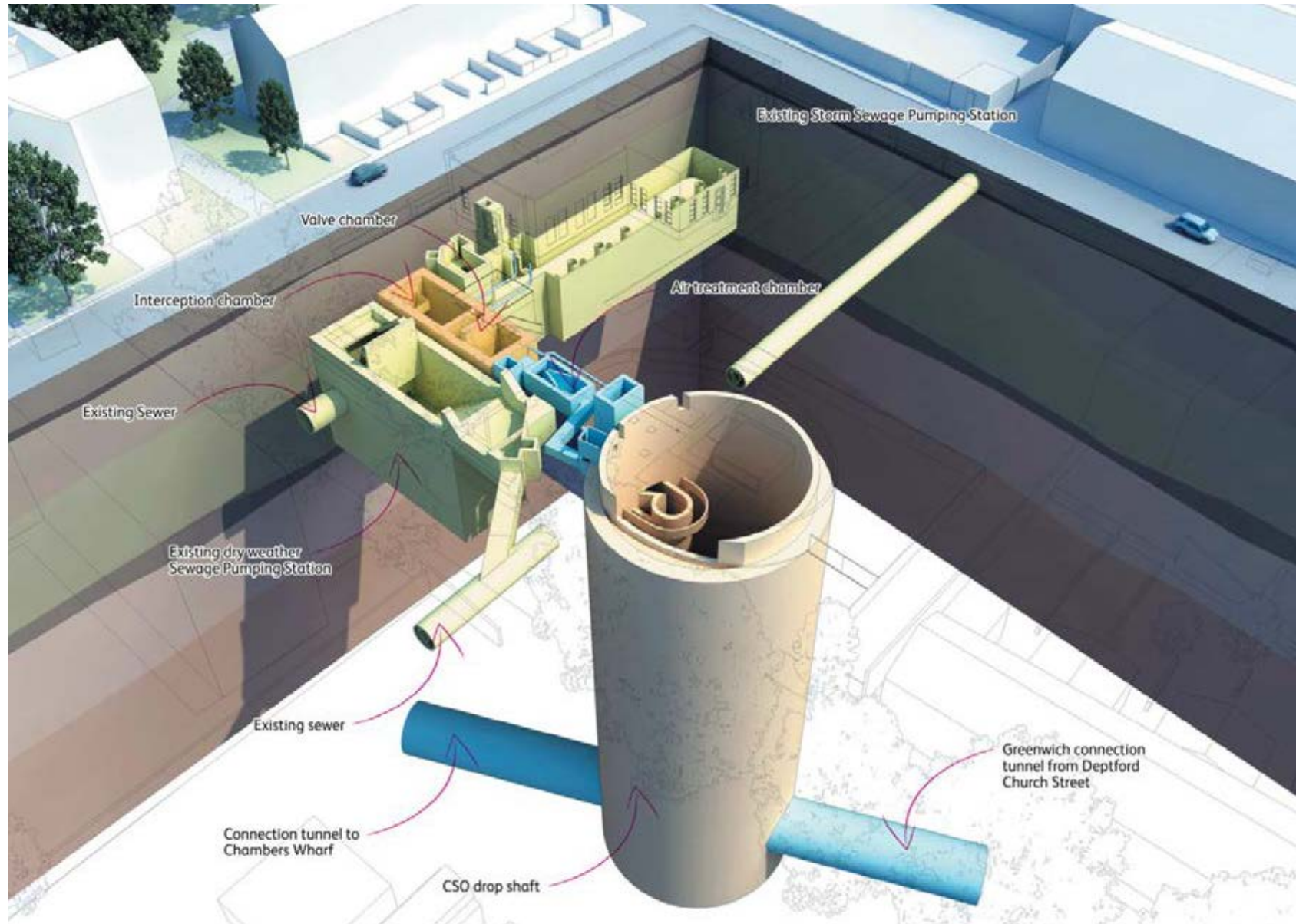
Community Liaison Working Group - Thursday 8 July 2021



Tideway



What we are building...



- 50m deep drop shaft
- 5m internal diameter tunnel
- 10m deep Combined Sewer Outfall (CSO)
- Various services diversions
- Will reduce annual sewer discharges into the River Thames locally from around 25 to just 4

CONSTRUCTION UPDATE

November 2020 to June 2021



Tideway



11:14 30/JUL/2020

CONSTRUCTION UPDATE

November 2020 to June 2021



Tideway

Combined Sewer Overflow / DWF

- Platform works completed
- Temporary flume installed
- DWF propping completed
- North piles completed
- Currently progressing Deep Soil Mixing works

Shaft

- Internals Phase 1 including P50 backfill completed
- Secondary lining completed
- Access stairs removed and services relocated
- Currently removing hoist



Surface works

- Phase 2 (along the existing sewer) of sewer diversion completed.
- LV/HV cable diversion and earthing relocation completed

Other

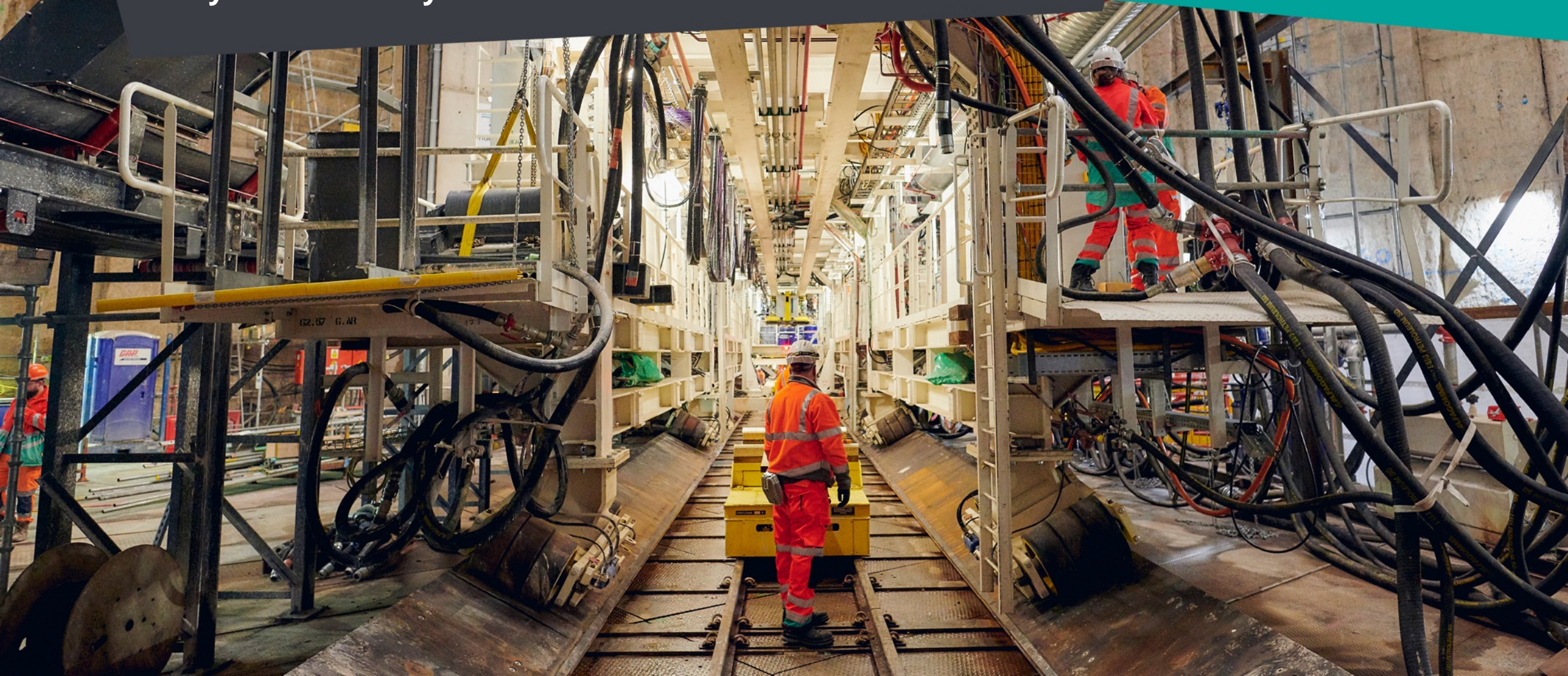
- Welfare extended to accommodate Slipform Eng.
- Muck bin reinstated, silos and pant installed for the CSO geotechnical works

WHAT IS COMING NEXT?

July 2021 and beyond...



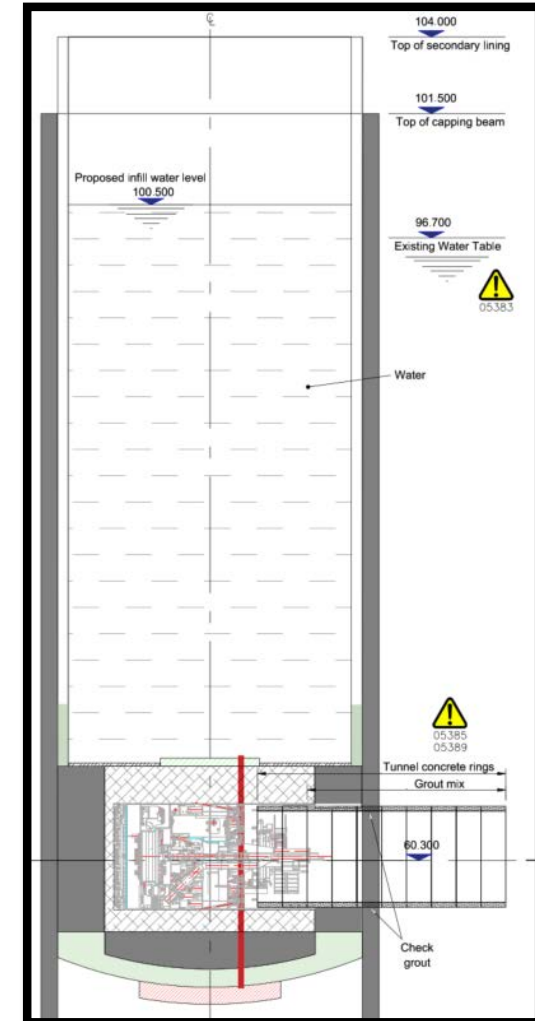
Tideway



SHAFT WORKS



- We have started the preparation of the shaft to be ready for Tunnel Boring Machine (TBM) crossing with the removal of the access stairs and hoist.
- We will continue with some concrete works at the bottom of shaft, above the current backfill level.
- Before the TBM crossing, we will flood the shaft until top level.
- [Tunnel Tracker](#)
- Once TBM will have passed through, we will drain the shaft, remove the concrete backfill and the tunnel segments located at the bottom of the shaft.

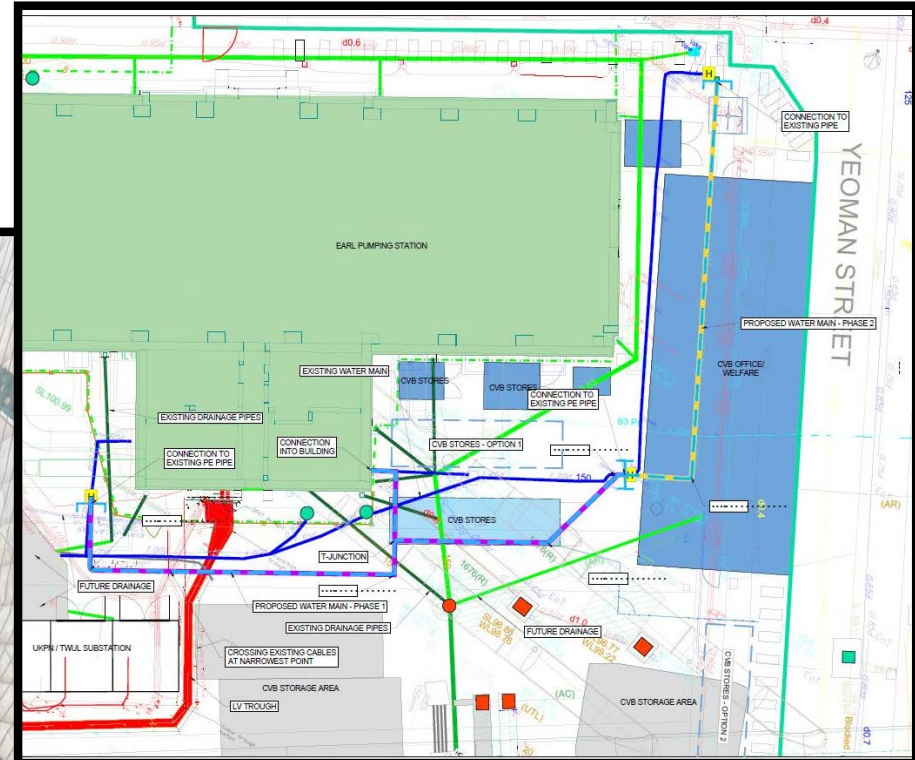


WATERMAIN DIVERSION



Tideway

- We are currently completing a campaign of trial holes to confirm the design requirements.
- We install the new watermain and abandon the existing one before the TBM crossing.
- We will complete the section in between our welfare and the Thames Water pumping station first.

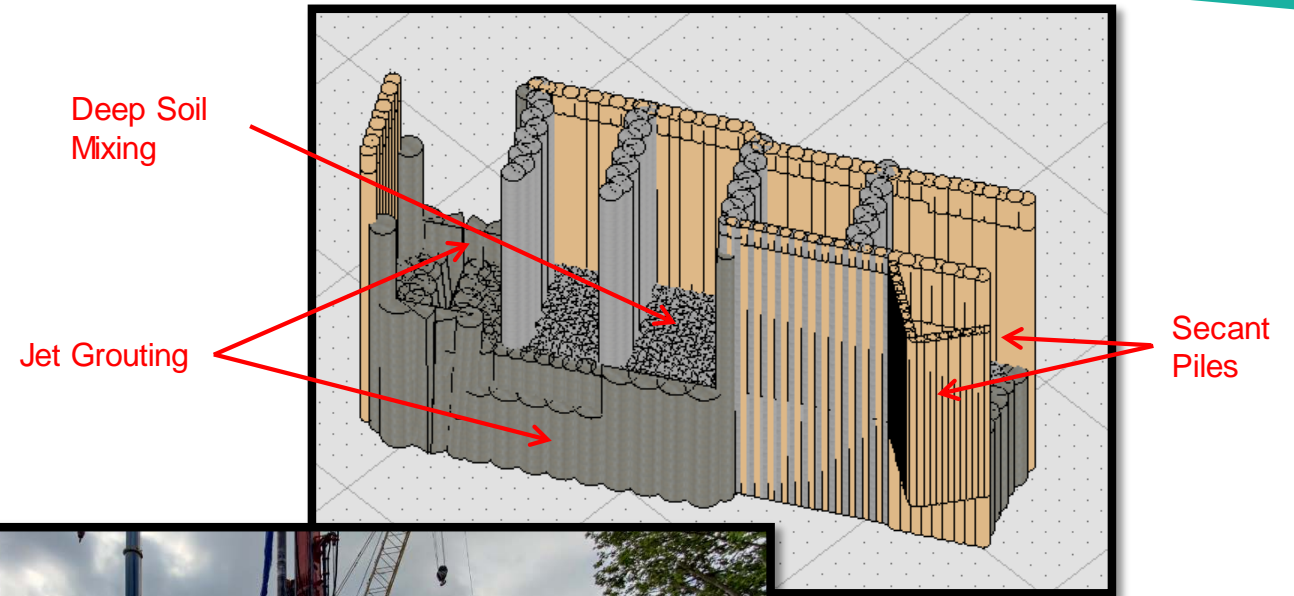


COMBINED SEWER OVERFLOW



Tideway

- We have started geotechnical works using construction techniques to create a sealed box in the ground to enable us to safely excavate the Combined Sewer Overflow.
- We are currently progressing Deep Soil Mixing works at the bottom of the box and we will continue with Jet Grouting and Secant Piles all around the box.



THE NEXT SIX MONTHS



Programme Overview														
	July		August		September		October		November		December		January	
Shaft preparation including flooding for TBM crossing														
TBM crossing														
Shaft drainage and backfilling /segments removal														
Watermain diversion														
CSO Deep Soil Mixing														
CSO Jet grouting														
CSO secant piles														



Standard Working
Hours

Extended & Continuous
Working Hours

(08:00 - 18:00) Monday to Friday, (08:00 -
13:00) Saturday

N/A until further
notice

ENVIRONMENT



Tideway



NOISE & AIR QUALITY



Tideway



Month	Noise	Air Quality
	S61 Exceedances	24h PM ₁₀ Exceedance
Oct 20	0	0
Nov 20	0	0
Dec 20	0	0
Jan 21	0	0
Feb 21	0	0
March 21	0	0
Apr 21	9	0
May 21	2	0

April/ May Exceedances:

Linked to concrete pours for Shaft Secondary Lining – shut down. Works occurring next to noise monitor.

Local Authority was informed and an improvement plan was put in place.

LEGACY



Tideway



LEGACY

COMMUNITY INVESTMENT



Our commitment to the communities we are working in is to deliver our work with care and consideration and leave a lasting, positive legacy for London.

Staff working on the Tideway project volunteer their time to support good causes across London, using their professional skills where they can so that we can have an even greater benefit for our charity partners.



37
Organisations
Helped



180
Volunteers

12
London
Boroughs



1340
People
Supported



1022
Volunteer
Hours



365 STEM
Volunteering
Hours



TIDEWAY EAST HIGHLIGHTS

Skills and Employment Forum



Apprentice results:

Some exceptional results with a 93% and four above 70%.
Tunnelling apprentices progressing to final assessment.
Some great feedback on their commitment.

Women In Construction:

Virtual mentoring - A range of staff volunteers were involved to support during lockdown and beyond.

Increase in local employment

Governor role :

Two East staff have roles as Chair of Governors supporting local borough schools. Commitment to dealing with COVID shut-down, re-opening and exam arrangements, affects on staff and pupil mental welfare.

LDE UTC in top 1% (UK) for technical results.

Recruitment reopen:

Tunnelling contractor JGL, liaising directly with East London boroughs, had 30 applications for 2 entry level tunnelling vacancies.



GRANDS PROJETS



LEGACY

COMMUNITY INVESTMENT



KICKSTART SCHEME



100% Government Funded Work Placement for 16 – 24 Yr Olds

Kickstart Scheme

To support young people impacted by COVID 19 pandemic, who are at risk of being left behind in the jobs market, offering 6 month placements.

See more below :

[Want a Kickstart? - Job help
\(campaign.gov.uk\)](https://campaign.gov.uk)

LOOG

Local Opportunities and Outreach Group



Meeting with external partners, to ensure a suitable workforce to deliver the works, promote opportunities for local people, disadvantaged groups and local businesses and support initiatives to promote STEM education and careers.

**Southwark – Greenwich – Tower Hamlets –
Lewisham - Newham**



RECONNECTING LONDON WITH THE RIVER THAMES

#SuperSewer

www.tideway.london