


TIDEWAY

SIWW– April 2022



Tideway

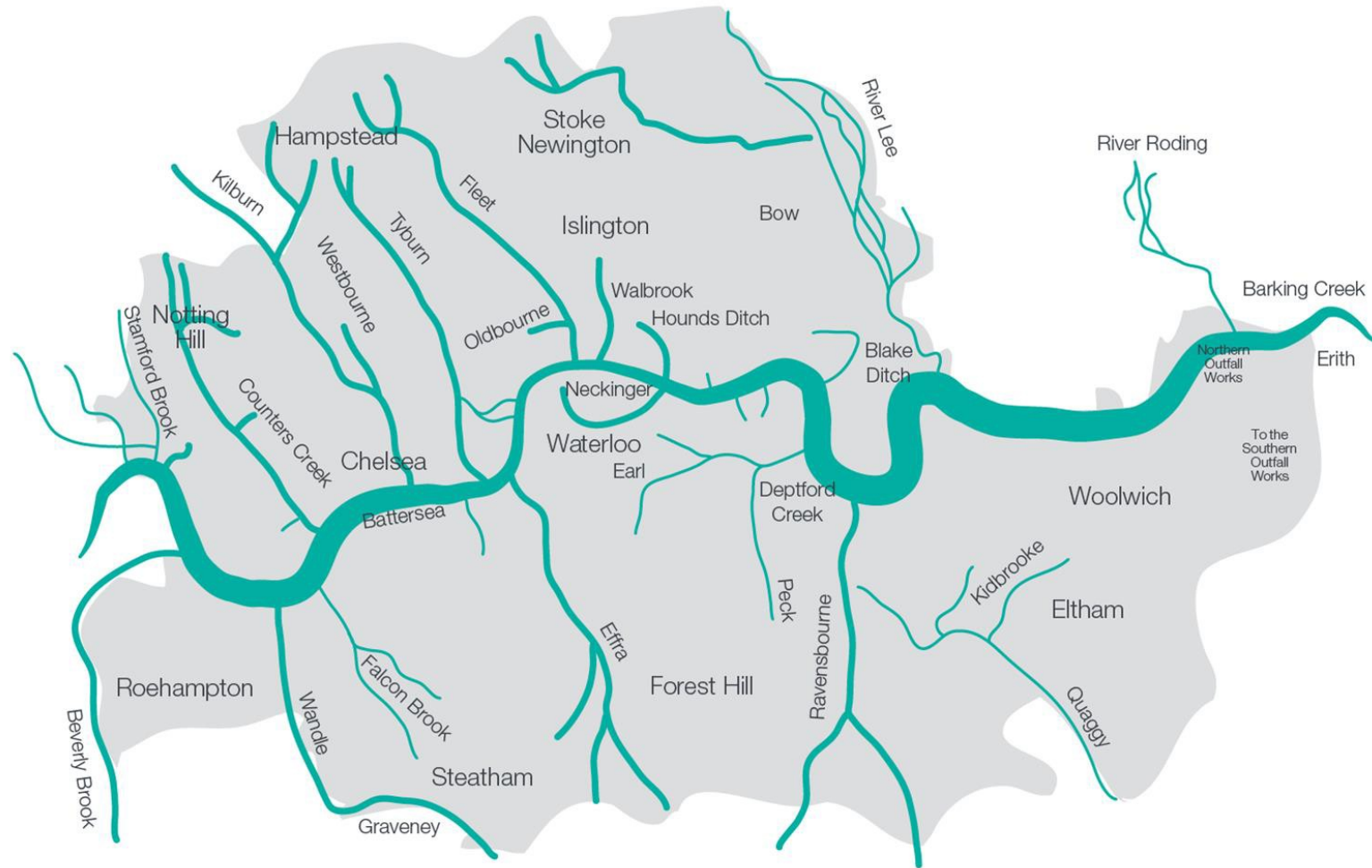


An aerial photograph of London at sunset. The River Thames flows through the center of the city, with the Tower Bridge spanning it in the foreground. The city skyline is visible in the background, with the sun setting behind the buildings, creating a warm orange glow. The River Thames is a central feature, winding through the city. The Tower Bridge is a prominent landmark, with its two towers and suspension cables clearly visible. The city is densely packed with buildings, and the River Thames is a major waterway. The overall scene is a beautiful representation of London's urban landscape and its relationship with the river.

**Our challenge is to build a
new sewer for London to
prevent the frequent pollution
of the river Thames**

**Our vision is to not just clean
up the Thames but to
promote a change in the
relationship between London
and Londoners and their river**

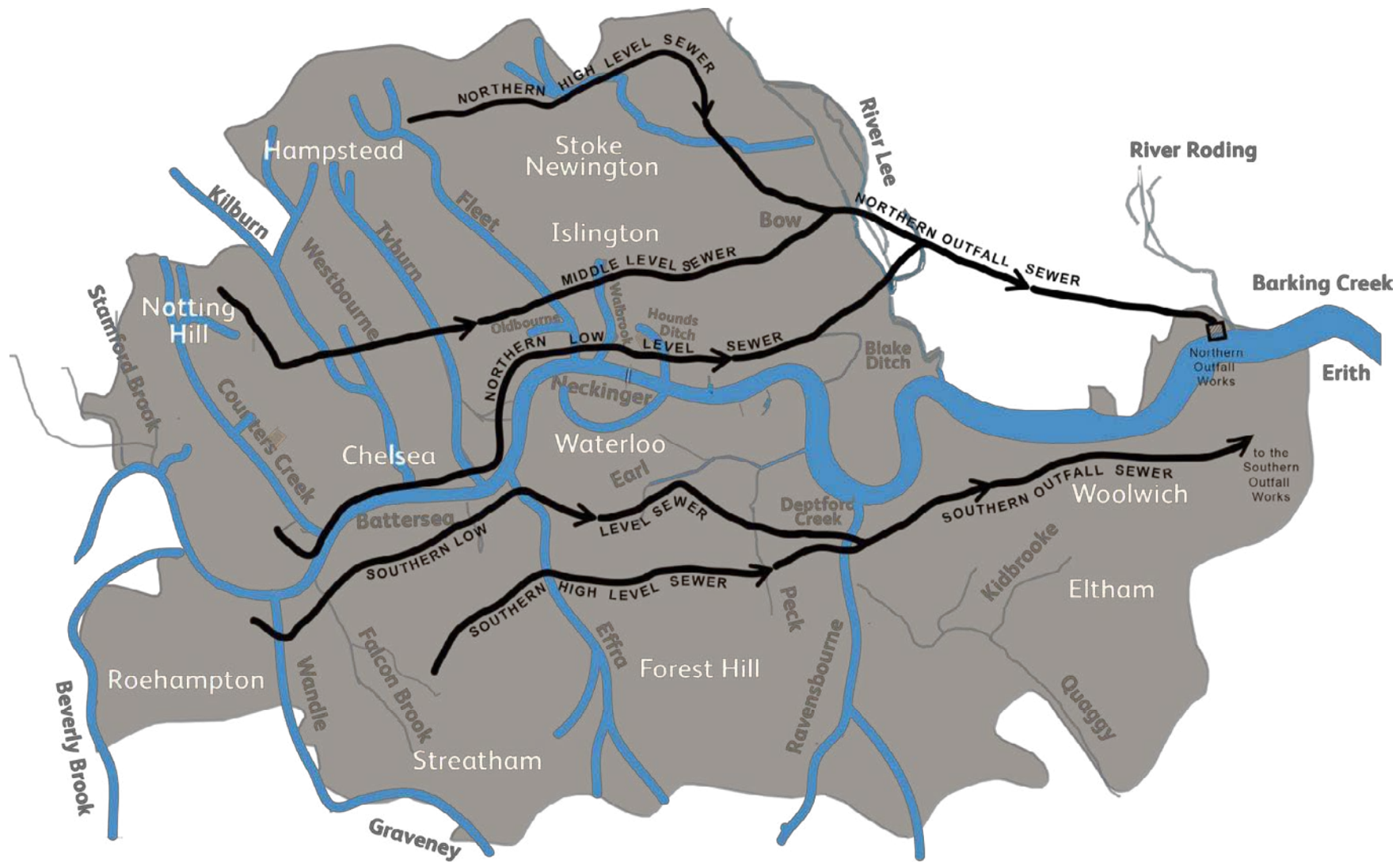
Life Before Sewers



THE "SILENT HIGHWAY" - MAN.
"Your MONEY or your LIFE!"



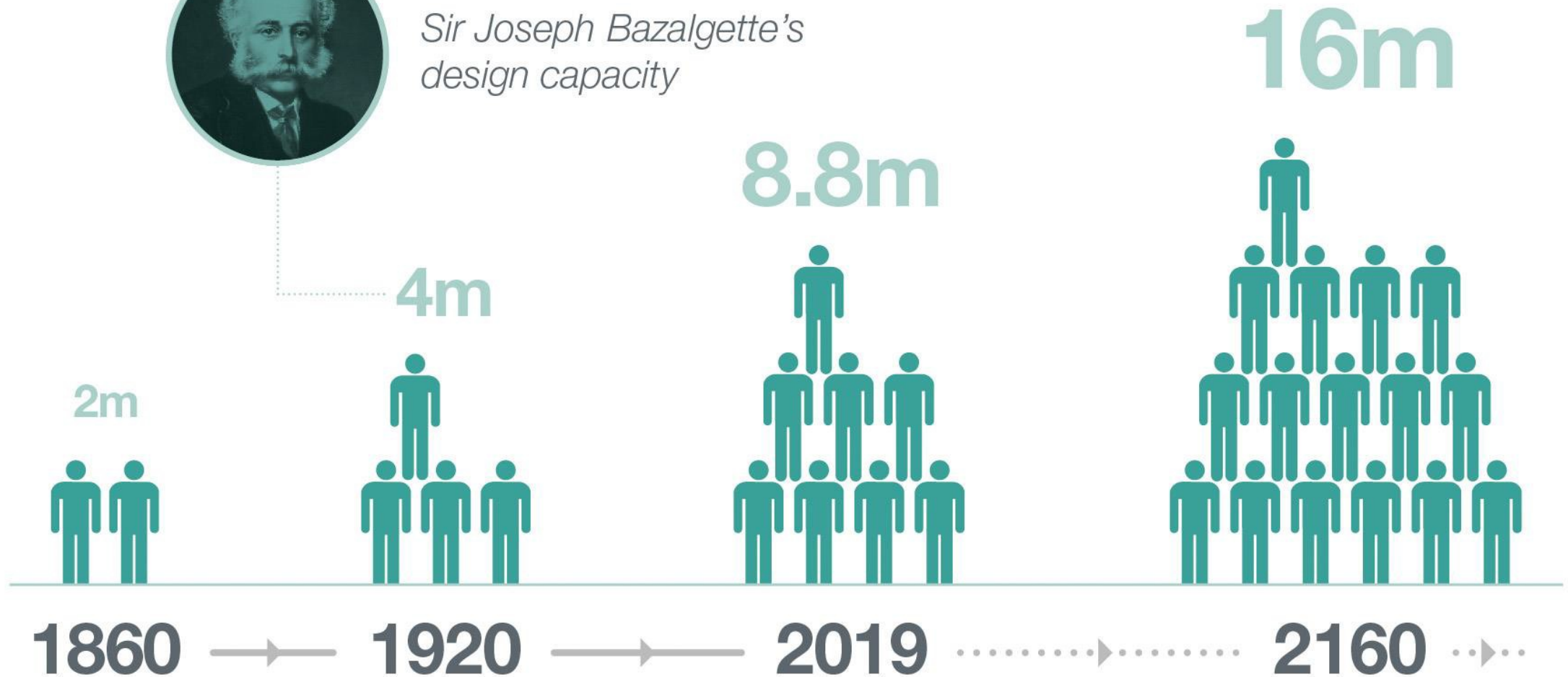
The Historic Network



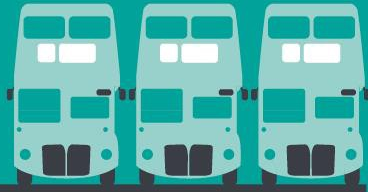
Sir Joseph Bazalgette's System



*Sir Joseph Bazalgette's
design capacity*



7.2 METRES
WIDE

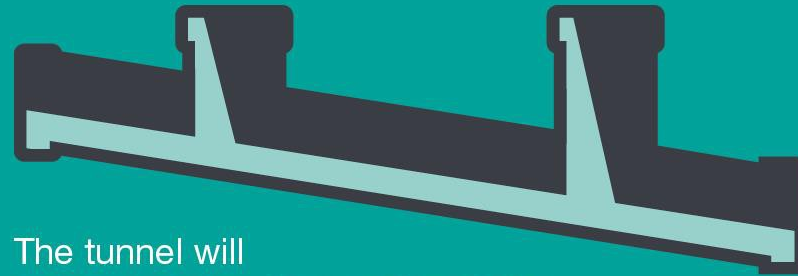


That's the same width as **three London buses** side-by-side.

31-66
METRES
DEEP

The minimum height of a 'high-rise' building is **35 metres**.

GOING WITH
THE FLOW



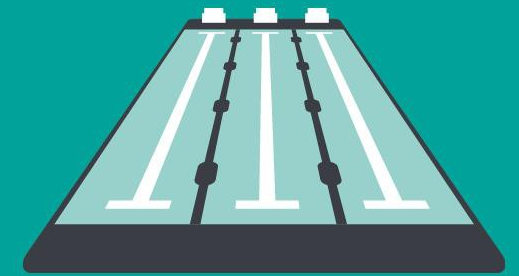
The tunnel will get **one metre deeper for every 790 metres of length**, meaning gravity will take the sewage eastwards.

25km **LONG**



It would take a car travelling at **40mph over half an hour** to drive down it.

1.6 MILLION
CUBIC METRES
PEAK CAPACITY



Together with the Lee Tunnel, the Thames Tideway Tunnel will be able to hold **1.6 million tonnes of sewage**, that's enough to fill **600 Olympic swimming pools**.



The tunnel will **cost £4.1bn** to build.



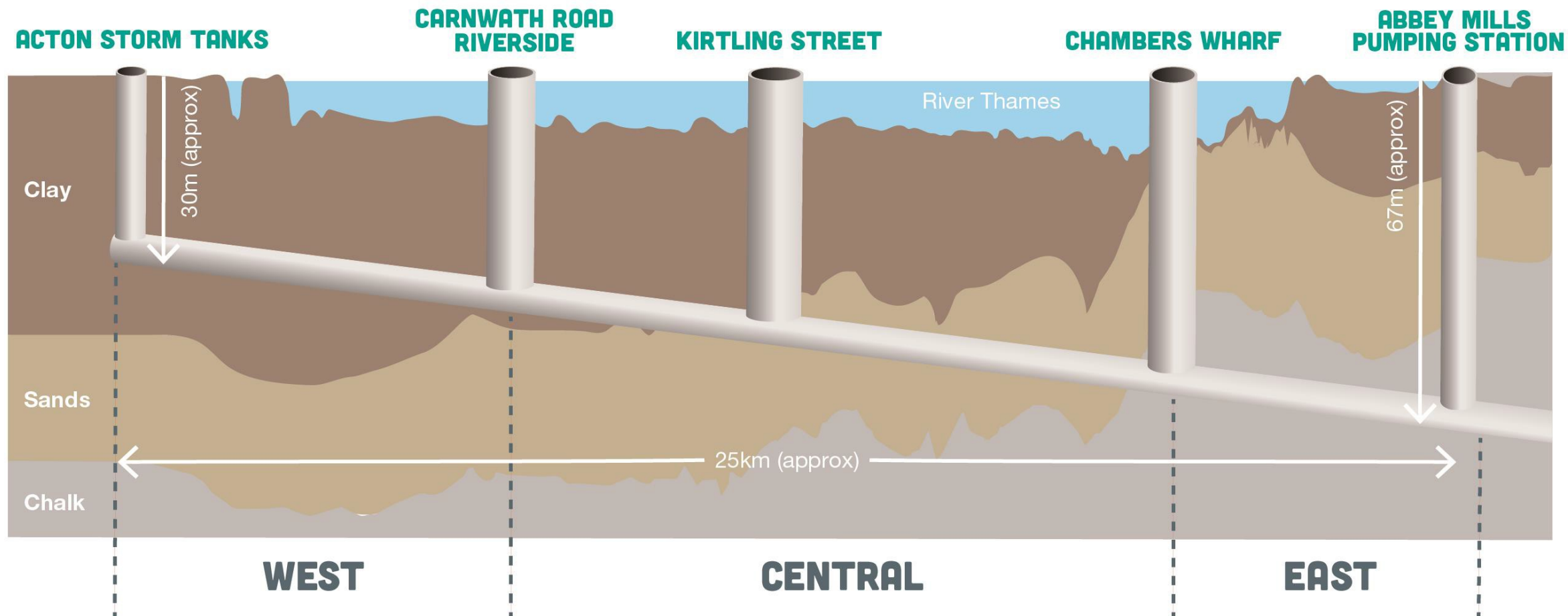
TIDEWAY ROUTE MAP

WEST SITES	CENTRAL SITES	EAST SITES	SITE TYPES
0 Acton Stoon Tanks	0 Falconbrook Pumping Station	G Chambers Wharf	0 0 0 Main tunnel drive site
0 Hammersmith Pumping Station	0 Cremorne Wharf Depot	G Earl Pumping Station	0 0 0 CSO site
0 Barn Elms	G Chelsea Embankment Foreshore	G Deptford Church Street	0 0 0 Main tunnel reception site
0 Putney Embankment Foreshore	G Kirtling Street	G Greenwich Pumping Station	System modification sites
0 Donmay Street	0 Heathwall Pumping Station	@ King Edward Memorial Park Foreshore	Main tunnel (West)
0 King George's Park	0 Albert Embankment Foreshore	e Bekebourne Street	Main tunnel (Central)
0 Camwath Road Riverside	0 Victoria Embankment Foreshore	\$ Abbey Mills Pumping Station	Main tunnel (East)
	0 Blackfriars Bridge Foreshore	f Bepton Sewage Treatment Works	Connection tunnels
	() Shad Thames Pumping Station		Lee Tunnel
			Proposed drive direction

How the system works



Tunnelling in London



Creating a legacy

ENVIRONMENT



HEALTH, SAFETY & WELLBEING



ECONOMY



PEOPLE



PLACE



Victoria Embankment





BLACKFRIARS



Blackfriars Embankment





Tideway

RECONNECTING LONDON WITH THE RIVER THAMES

#SuperSewer

www.tideway.london