

# ACTON STORM TANKS

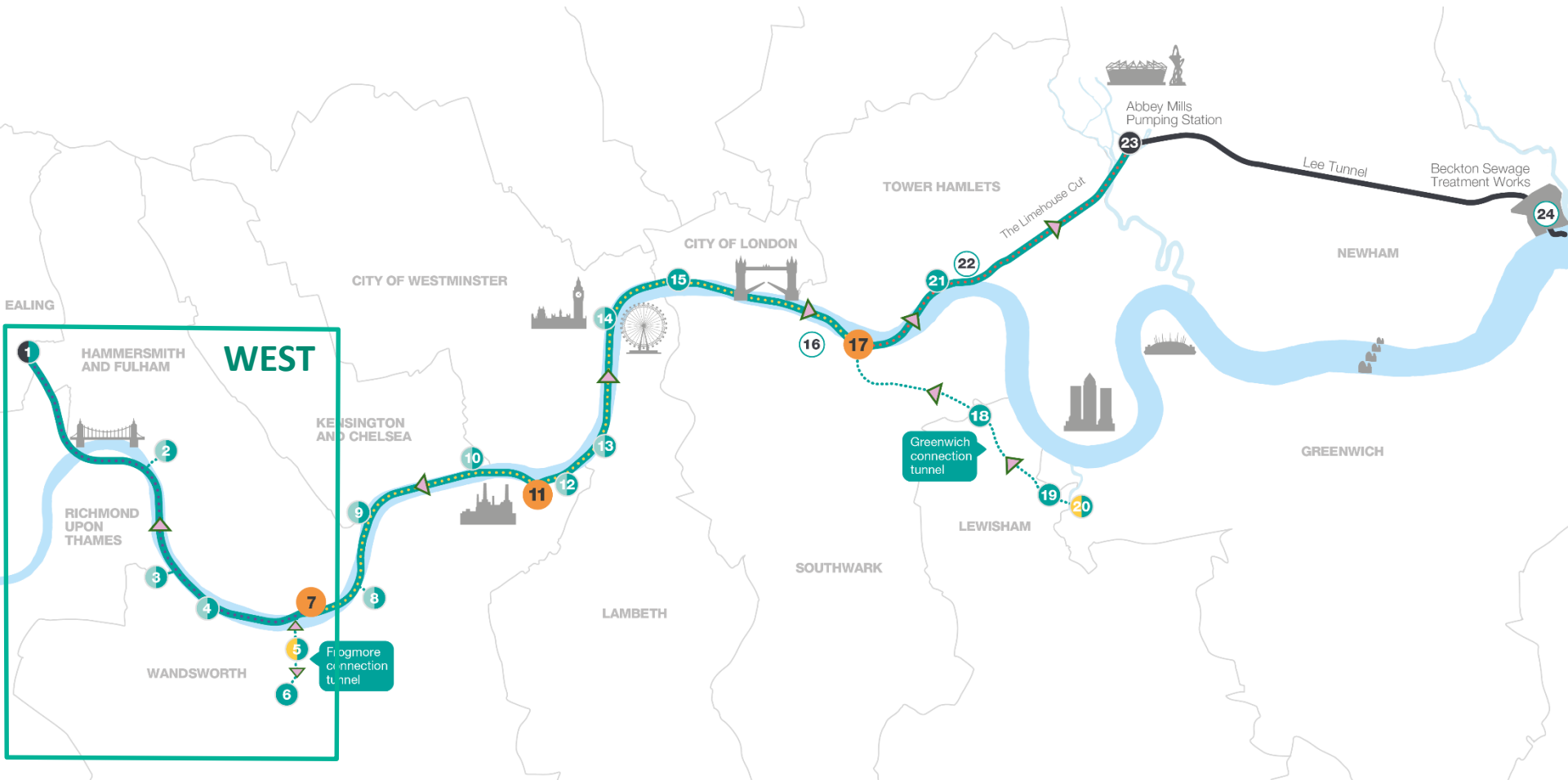
## Community Liaison Working Group

Tuesday 29 September 2020

# Acton Storm Tanks

Josh Roy, Section Manager

# Tideway Overview

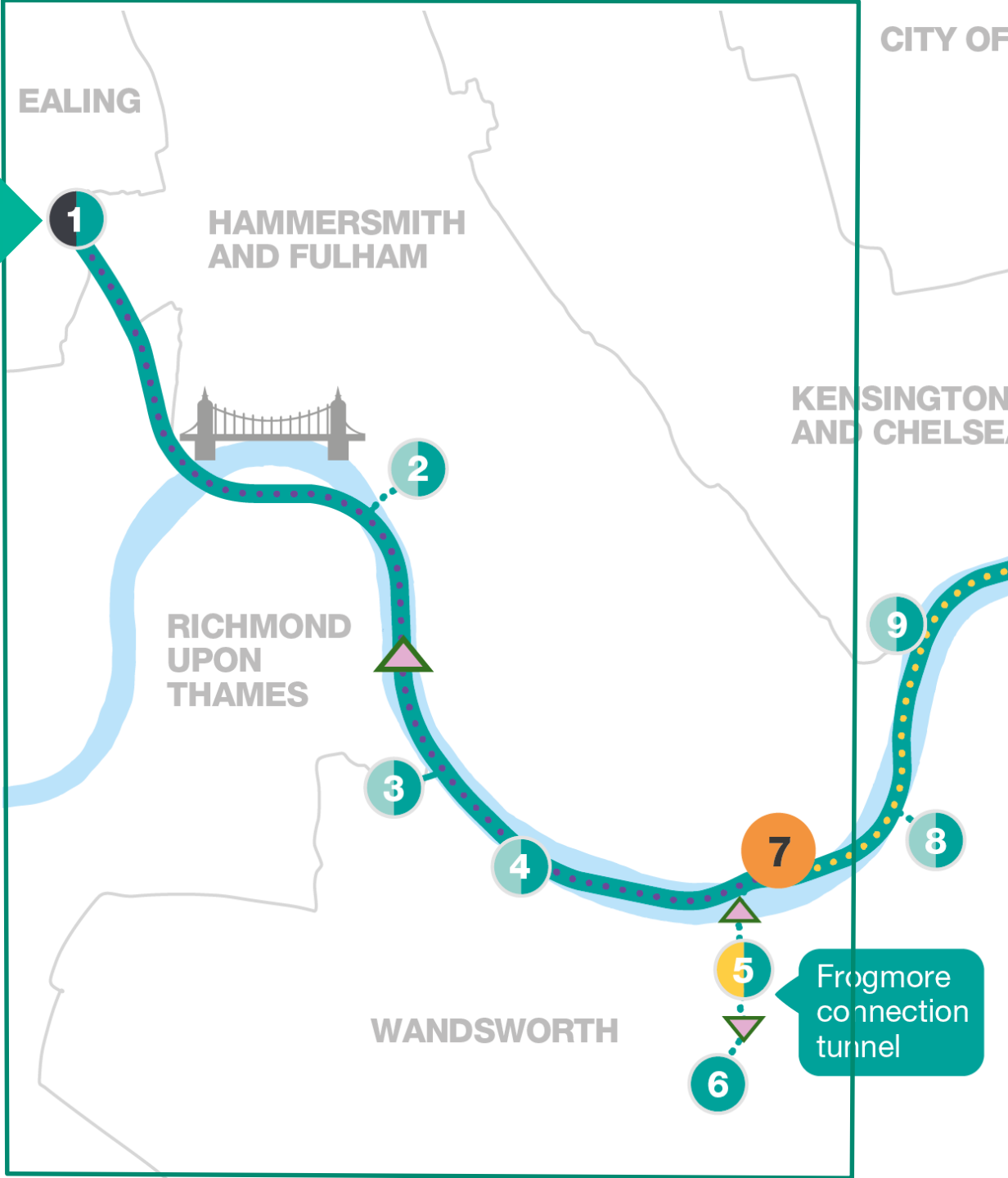


## Map key

- |                                    |                          |                               |                                  |  |
|------------------------------------|--------------------------|-------------------------------|----------------------------------|--|
| Main tunnel drive tunnel site      | Main tunnel              | 1 Acton Storm Tanks           | 9 Cremorne Wharf Depot           | 17 Chambers Wharf                      |
| Main tunnel reception site         | Connection Tunnels       | 2 Hammersmith Pumping Station | 10 Chelsea Embankment Foreshore  | 18 Earl Pumping Station                |
| CSO site                           | Lee Tunnel               | 3 Barn Elms                   | 11 Kirtling Street               | 19 Deptford Church Street              |
| Short connection tunnel drive site | Proposed drive direction | 4 Putney Embankment Foreshore | 12 Heathwall Pumping Station     | 20 Greenwich Pumping Station           |
| Long connection tunnel drive site  | West works site          | 5 Dormay Street               | 13 Albert Embankment Foreshore   | 21 King Edward Memorial Park Foreshore |
| System modifications               | Central works sites      | 6 King George's Park          | 14 Victoria Embankment Foreshore | 22 Bokesbourne Street                  |
|                                    | East works site          | 7 Carnwath Road Riverside     | 15 Blackfriars Bridge Foreshore  | 23 Abbey Mills Pumping Station         |
|                                    |                          | 8 Falconbrook Pumping Station | 16 Shad Thames Pumping Station   | 24 Beckton Sewage Treatment Works      |

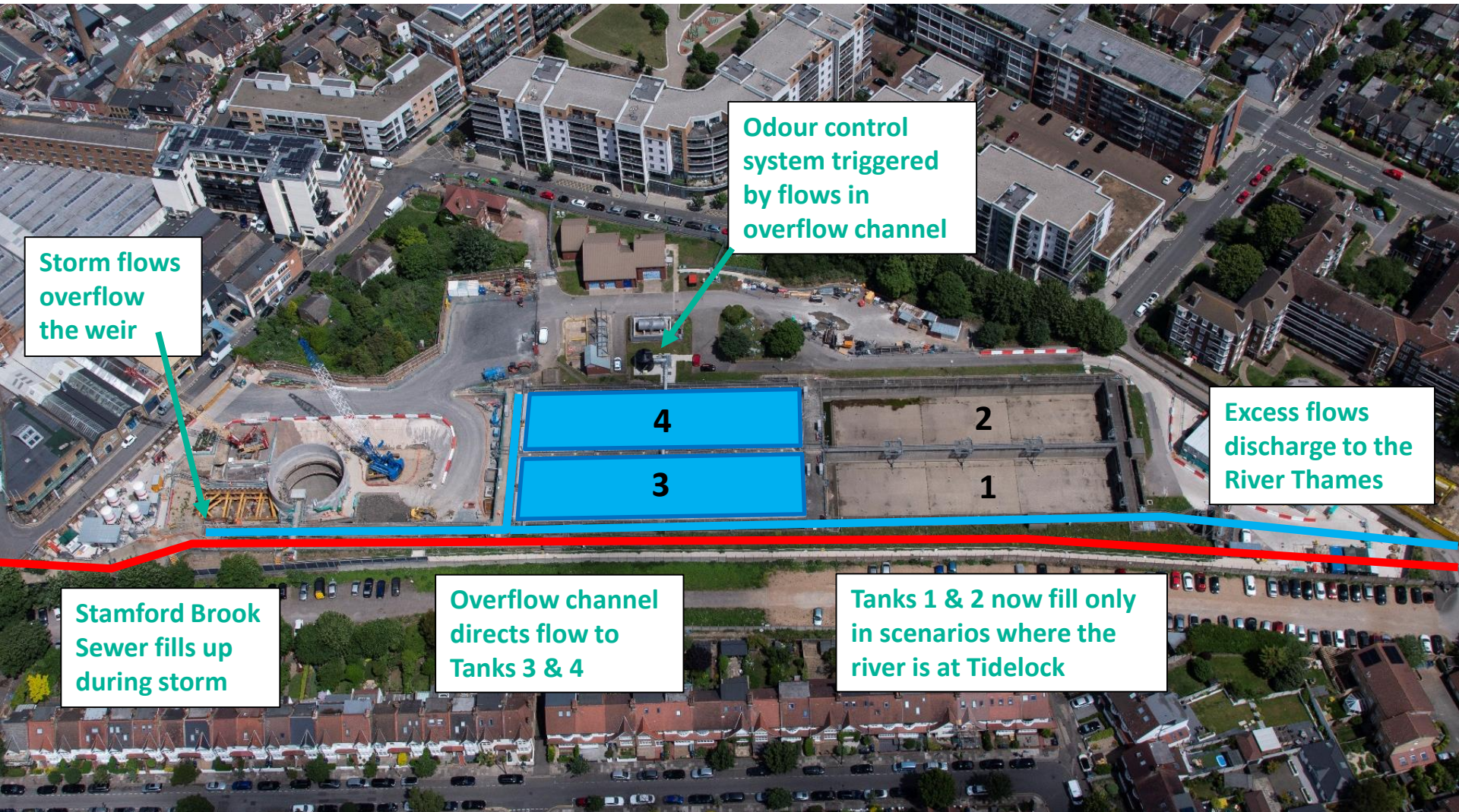
# Tideway West

Acton Storm Tanks





# Acton Storm Tanks





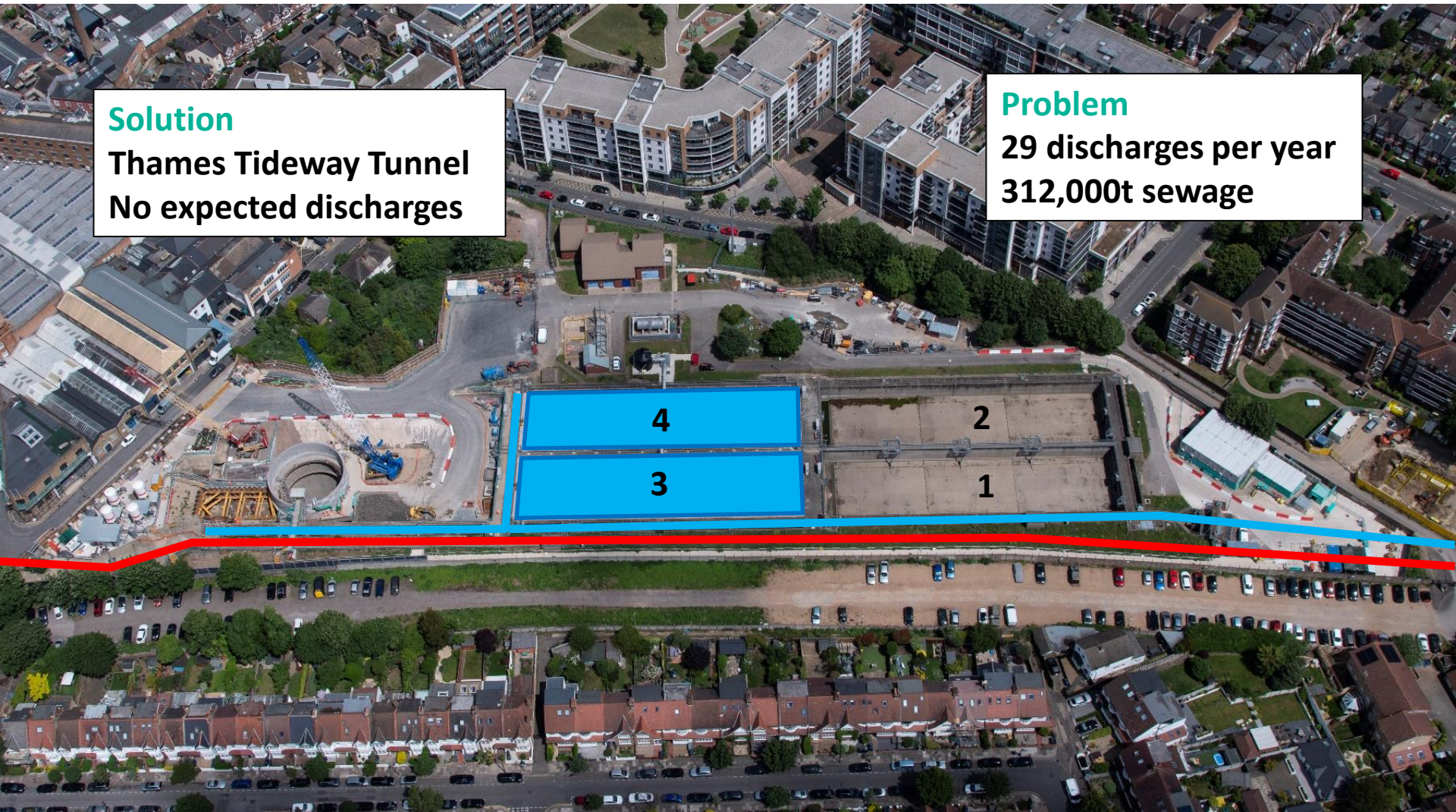
# Acton Storm Tanks

## Solution

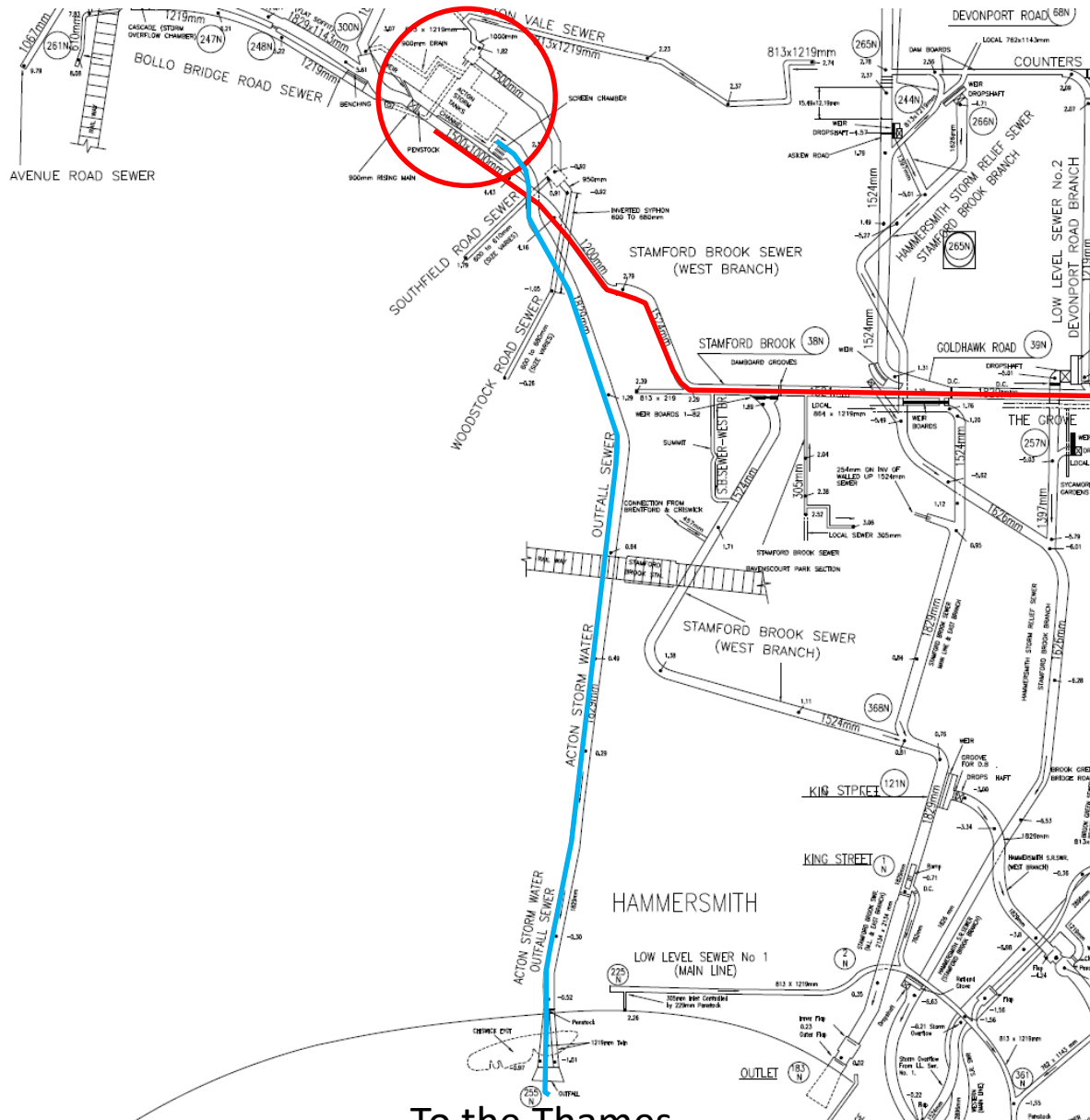
Thames Tideway Tunnel  
No expected discharges

## Problem

29 discharges per year  
312,000t sewage



# TWUL Network

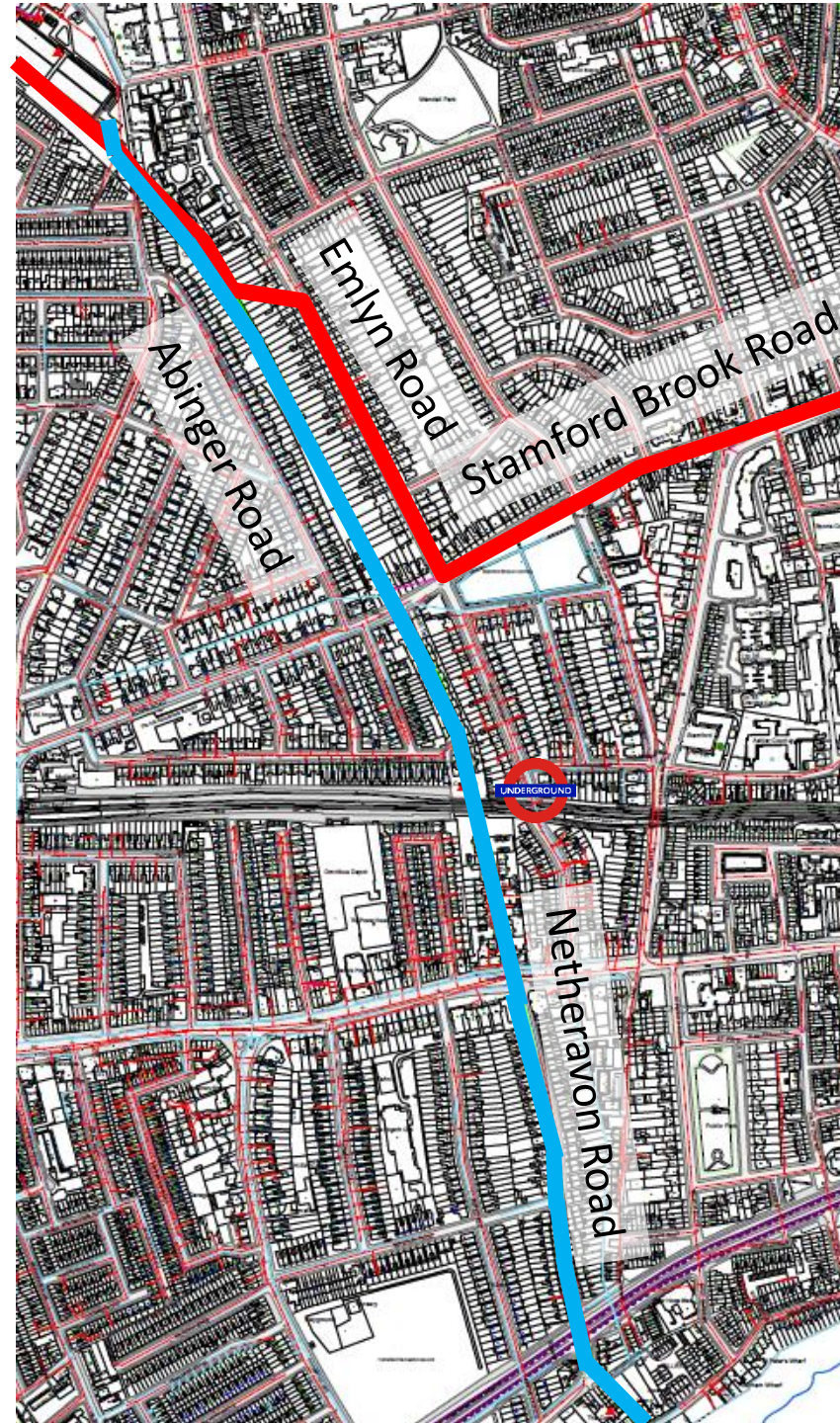


To Beckton

To the Thames



# TWUL Network





# Acton Storm Tanks

## What we are doing

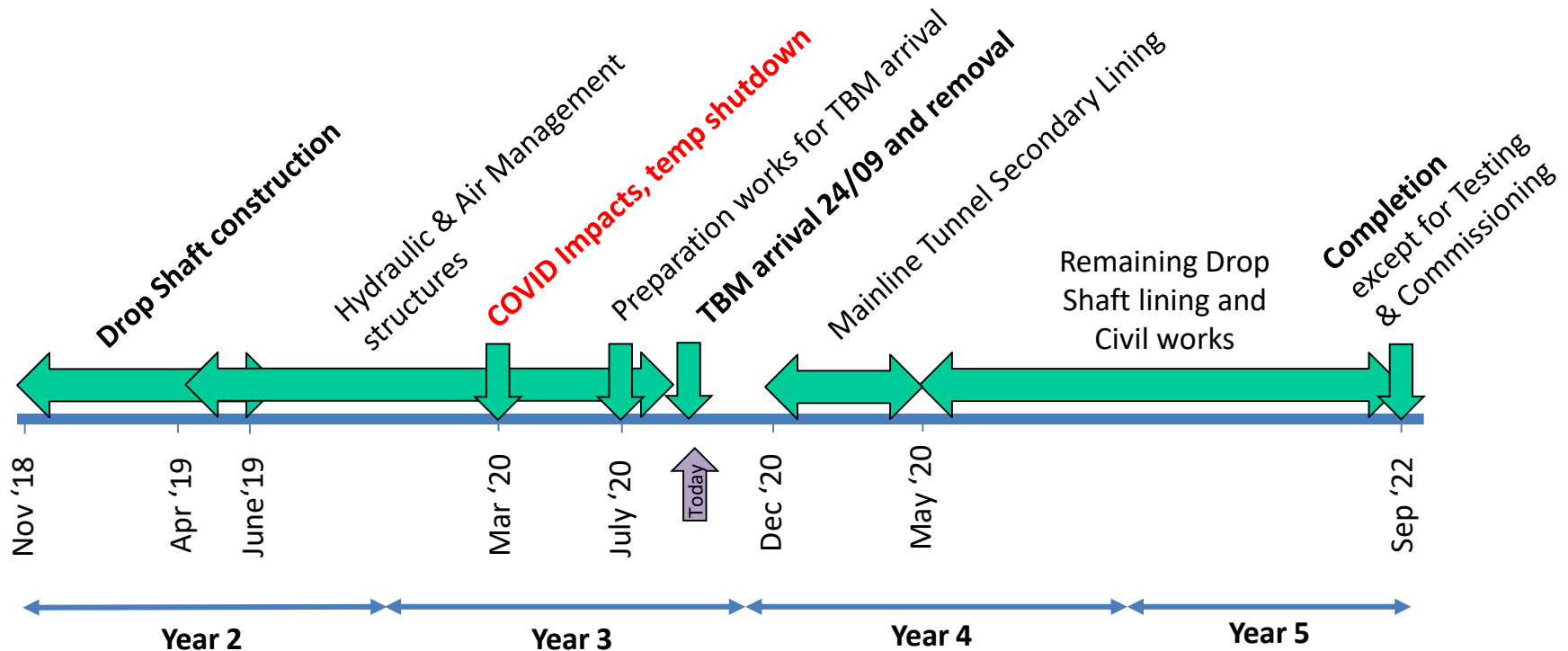




# Acton Storm Tanks Timeline

## Project Duration:

BMB took possession of the site in November 2017.





This 3D cutaway diagram illustrates the internal structure of the Stamford Brook Sewer Treatment Works. The diagram shows a large, circular main tunnel (MNTLA) at the bottom, with various chambers and structures built around it. Key components labeled include:

- Completed the Ventilation Column Chamber:** A green rectangular structure on the left side of the main tunnel.
- Demolition of Gallery Wall:** A blue rectangular structure in the center, marked for demolition.
- Completed the Acoustic Attenuation Chamber:** A red rectangular structure on the right side of the main tunnel.
- Completed the Bypass Damper Chamber:** An orange rectangular structure in the center, below the gallery wall.
- Completed the Hydraulic Interception Chamber:** A blue rectangular structure on the left side, below the ventilation column chamber.
- Other labeled structures:** Bespoke Ventilation Column, Air Inlet Chamber, Pressure Relief Structure, Interception Chamber, Connection Culvert, Existing Stamford Brook sewer, Existing Bypass Channel, Shaft, Storm Water Retention Pond, Air Treatment Chamber, and Main Tunnel (MNTLA).

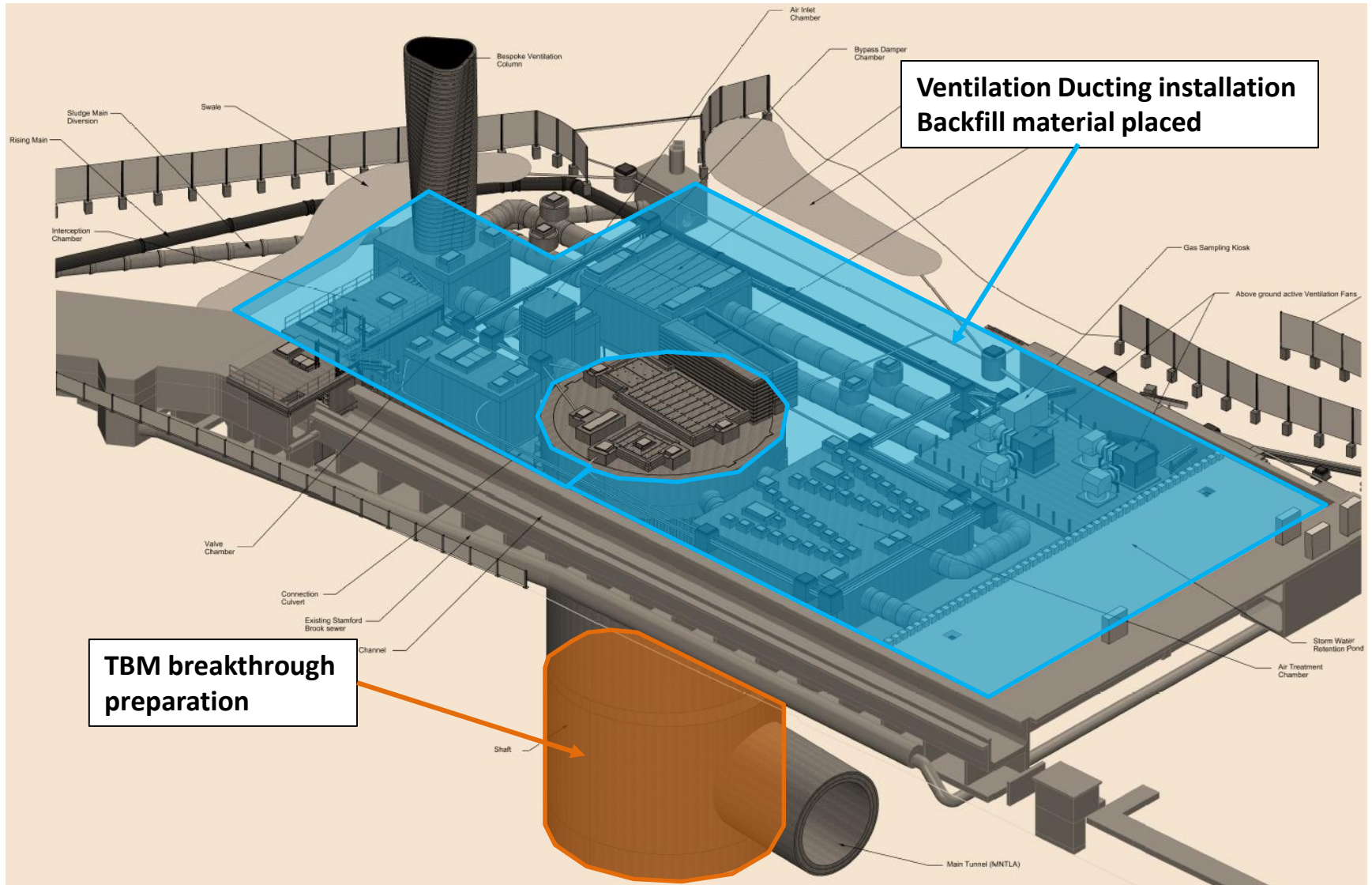
## Demolition of Gallery Wall

## Completed the Acoustic Attenuation Chamber

## Completed the Hydraulic Interception Chamber

## Completed the Bypass Damper Chamber

# Acton Storm Tanks – Last 8 Months – Part 2





# Acton Storm Tanks

## March 2020 – Installation of Vent Ducting to Structures





# Acton Storm Tanks

## May 2020 – New Inlet Chamber Roof Slab





# Acton Storm Tanks

## June 2020 – Chamber Construction





# Acton Storm Tanks

## July 2020 – First TBM Arrival Preparation Works





# Acton Storm Tanks

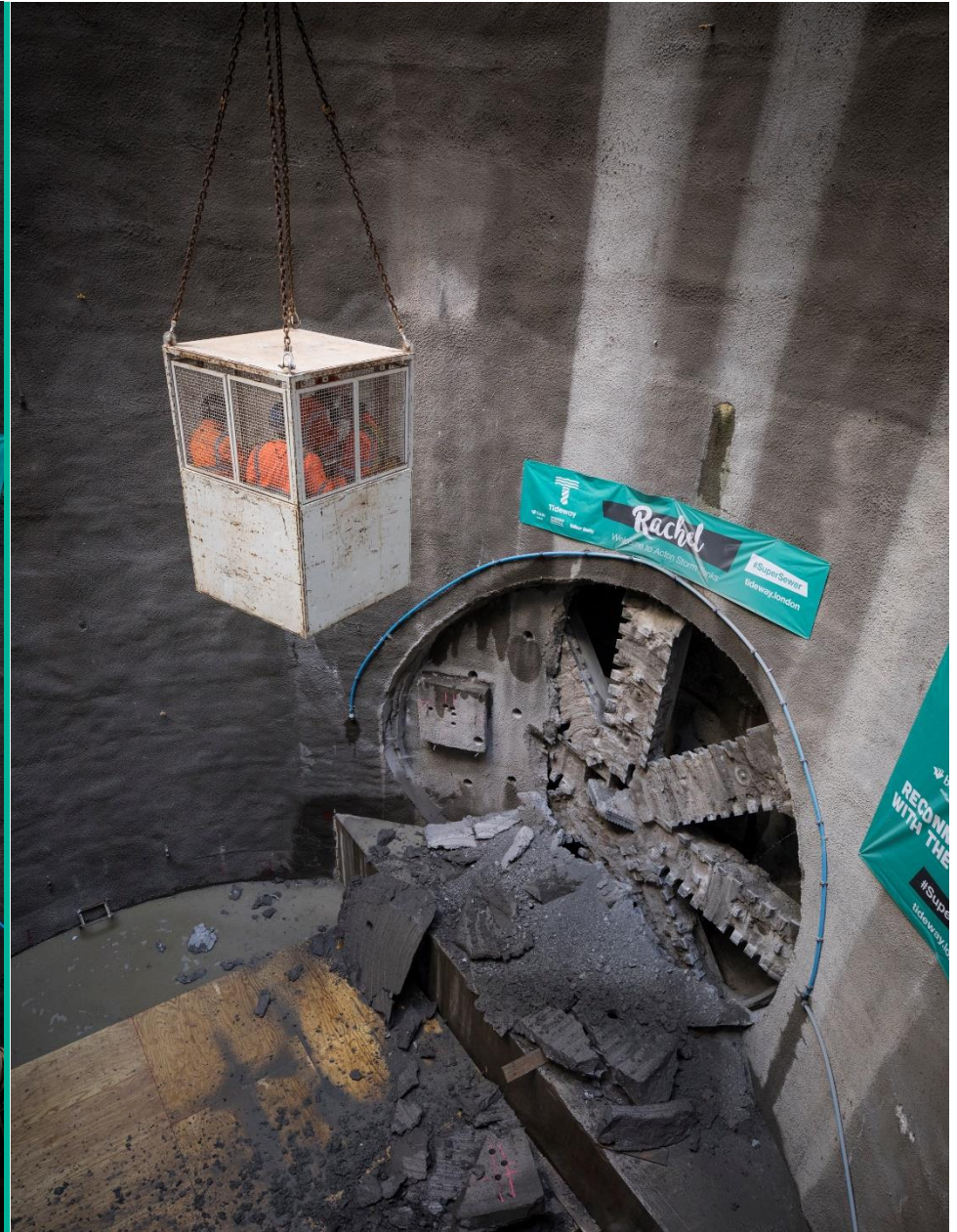
## August 2020 – Completion of pre-TBM Structures





# Acton Storm Tanks

## September 2020 – TBM Breakthrough!



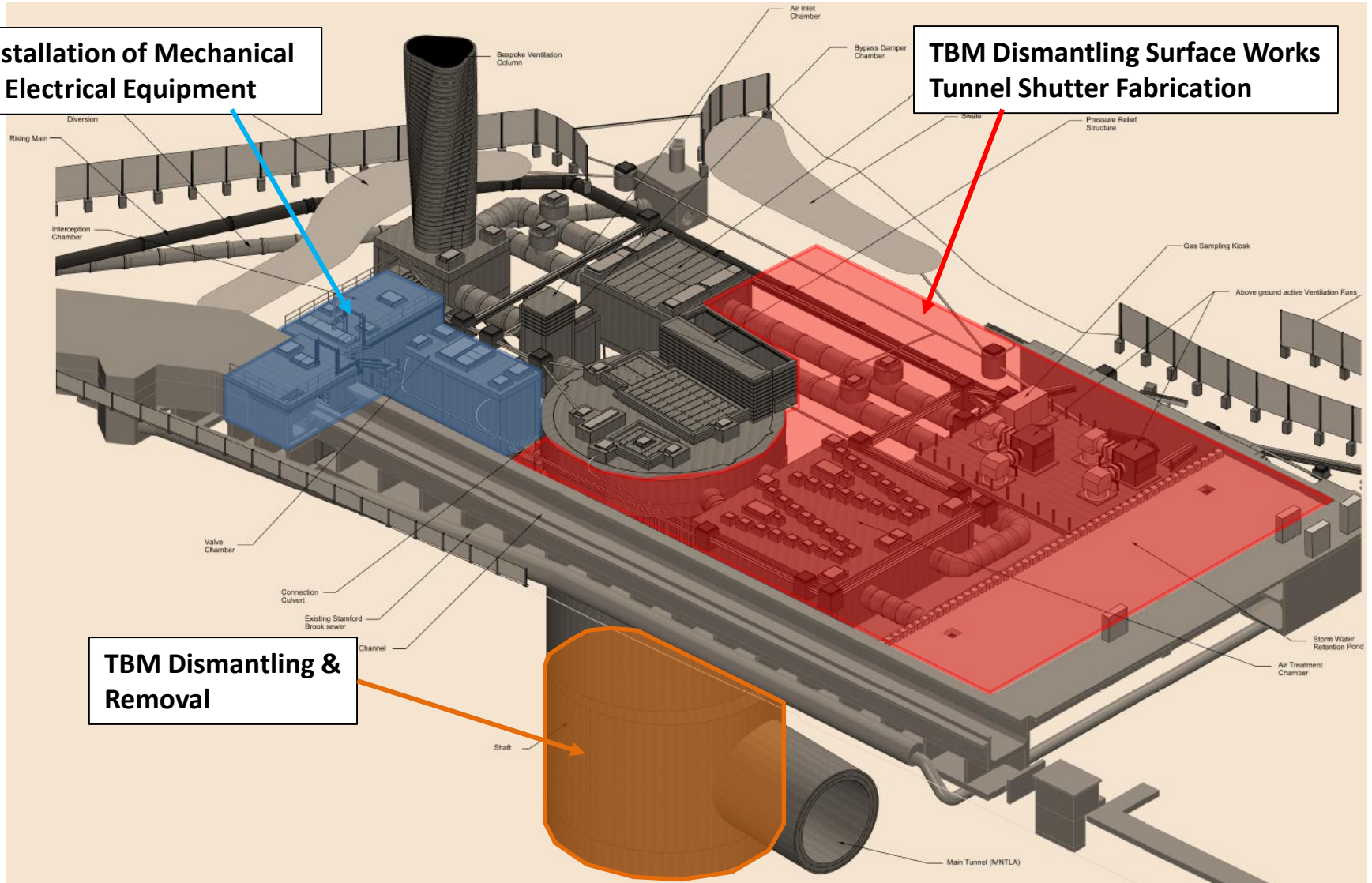


# Acton Storm Tanks – Next 3 Months

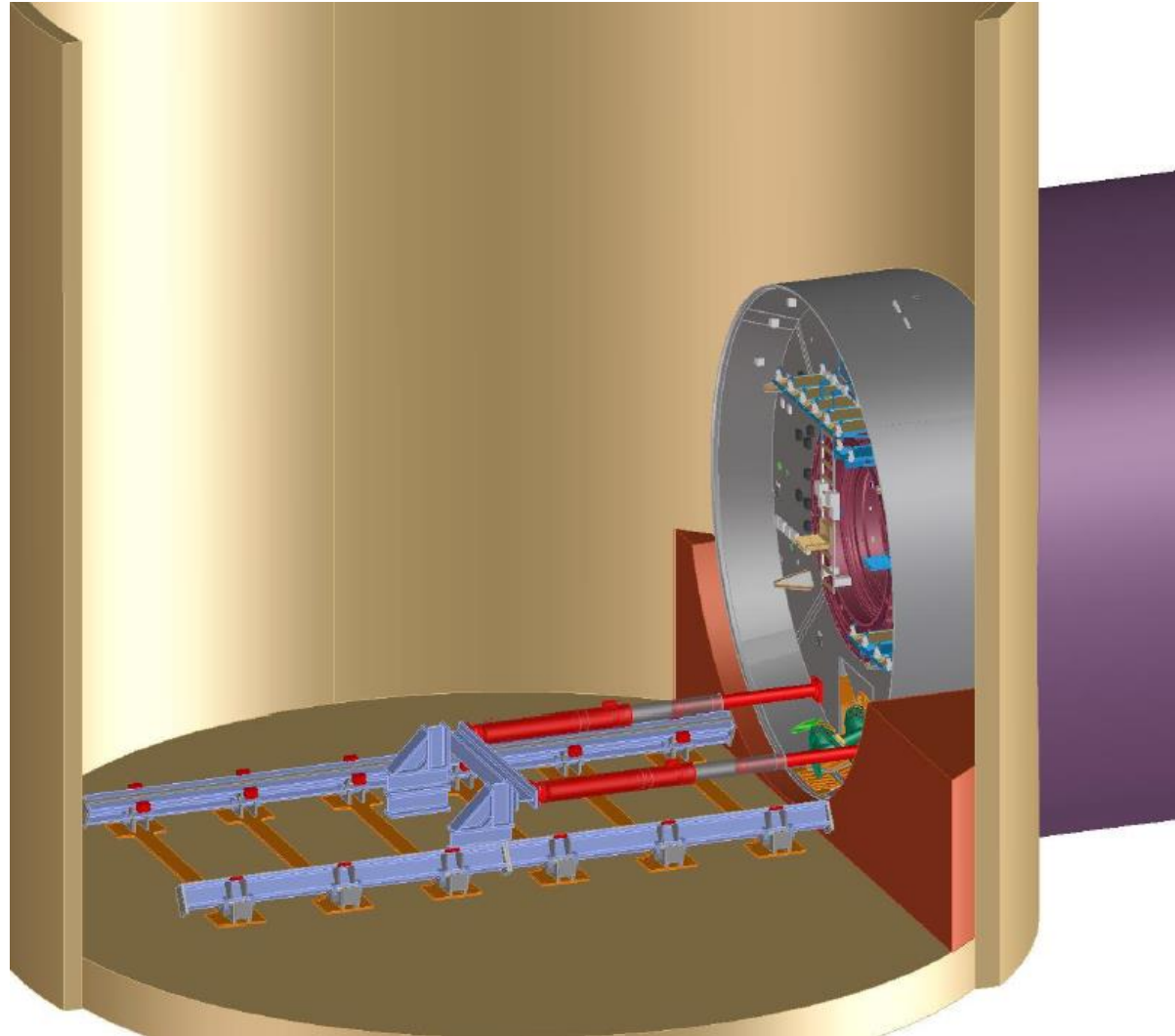
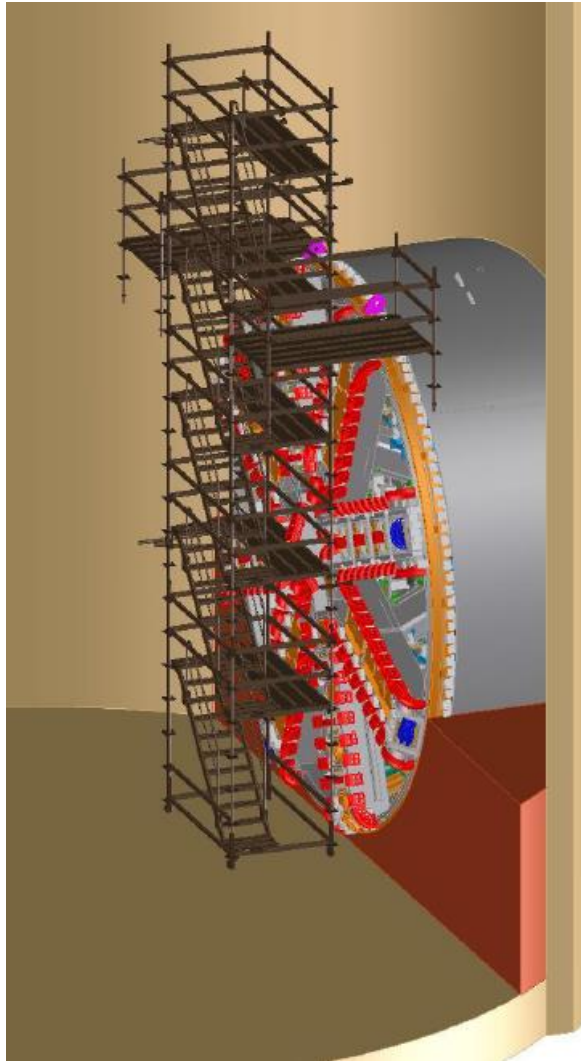
**Installation of Mechanical & Electrical Equipment**

**TBM Dismantling Surface Works  
Tunnel Shutter Fabrication**

**TBM Dismantling &  
Removal**

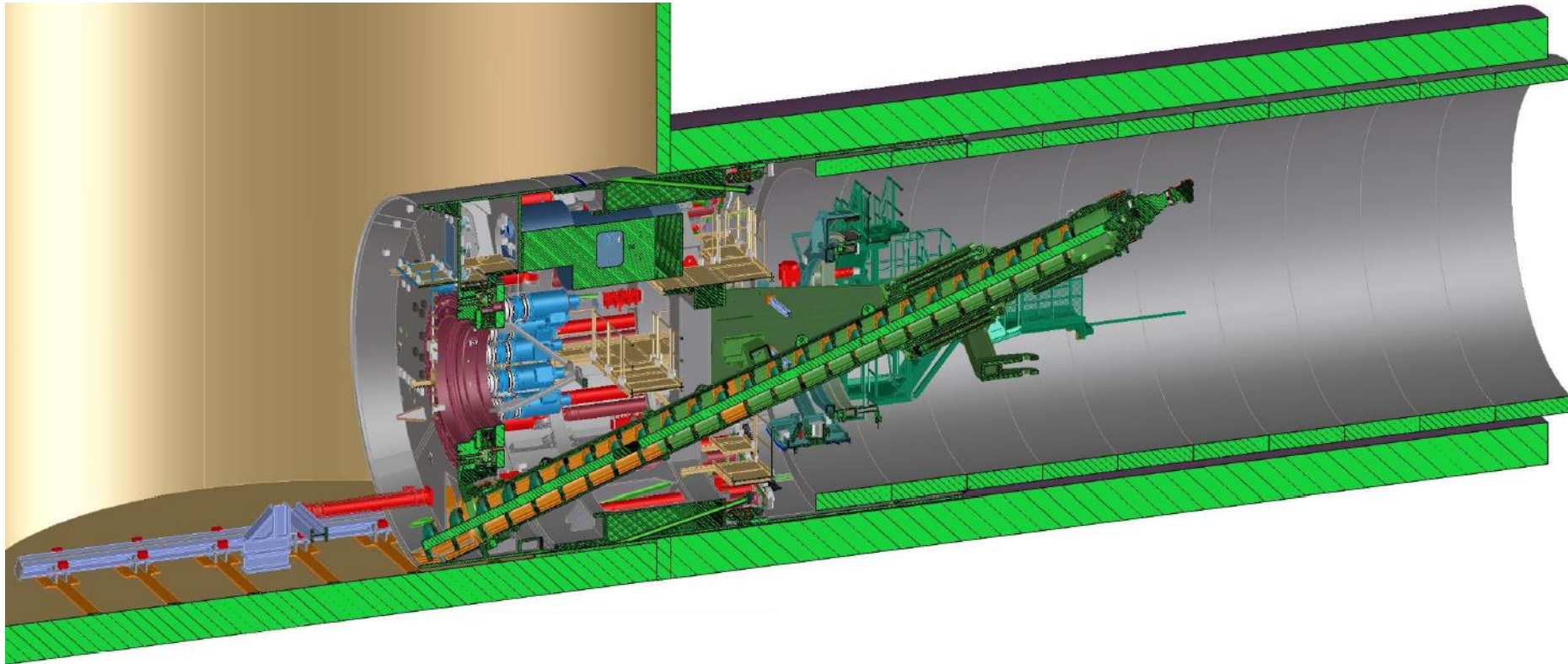


# TBM Dismantling Operation Snapshot

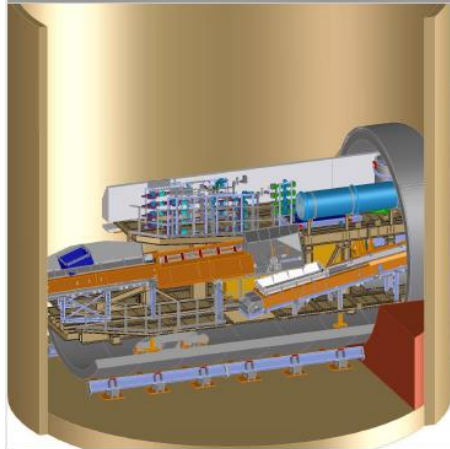




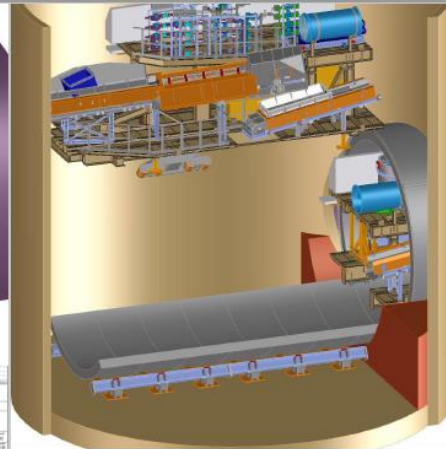
# TBM Dismantling Operation Snapshot



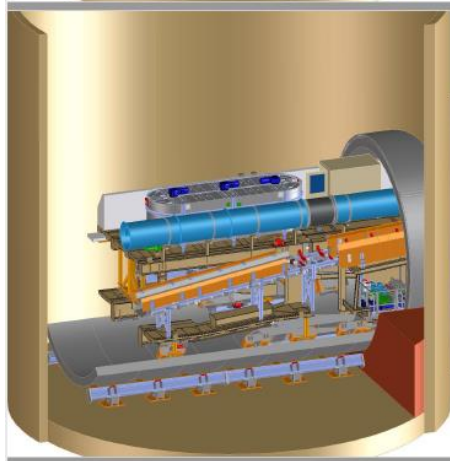
# TBM Dismantling Operation Snapshot



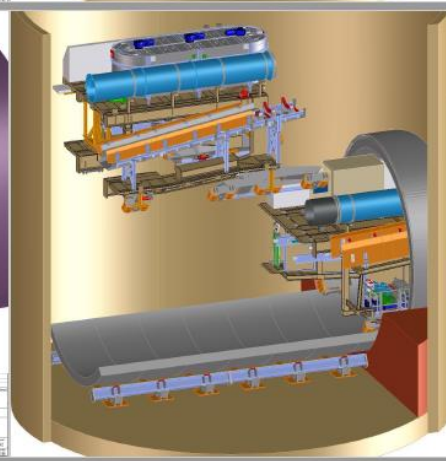
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# Landscaping

- Internal storm tanks landscaping design approved by the London Borough of Ealing in July 2019
- Advance tree planting at Warple Way
- Soft landscaping to be implemented along northern Canham Road boundary including native wildflower meadow planting and native tree species including oak, cherry, hornbeam and birch.



# Community Engagement

**Katie Ashton, BMB Communications Manager**



# Community Engagement

- 3 x Information notice sent out since last meeting for:
  - 1 x Main gate access
  - 1 x 24-hour working
  - 1 x main gate access
- 21 general enquiries
- 12 complaints
  - 11 x noise
  - 1 x lighting

All enquiries have been responded to within 24 hours (where possible)



Call: 08000 30 8080  
Email: [helpdesk@tideway.london](mailto:helpdesk@tideway.london)  
Write to: FreepostTIDEWAY



**0800 316 9800**

Available 24 hours, 7 days a week  
To answer all enquiries and complaints related to  
the operations and maintenance of the site

# How to make a claim if you are affected by Tideway's work

## Who do I go to for advice?

- Independent Advisory Service (IAS) Helpline for independent advice: **0800 917 8845** or [info@tidewayias.co.uk](mailto:info@tidewayias.co.uk)
- Tideway's Compensation Officer, **Louise Walsh**, for personal assistance and advice: via Tideway Helpdesk **08000 30 80 80** or [helpdesk@tideway.london](mailto:helpdesk@tideway.london) or direct **07971 077165** or [louise.walsh@tideway.london](mailto:louise.walsh@tideway.london)

## How do I submit my claim?

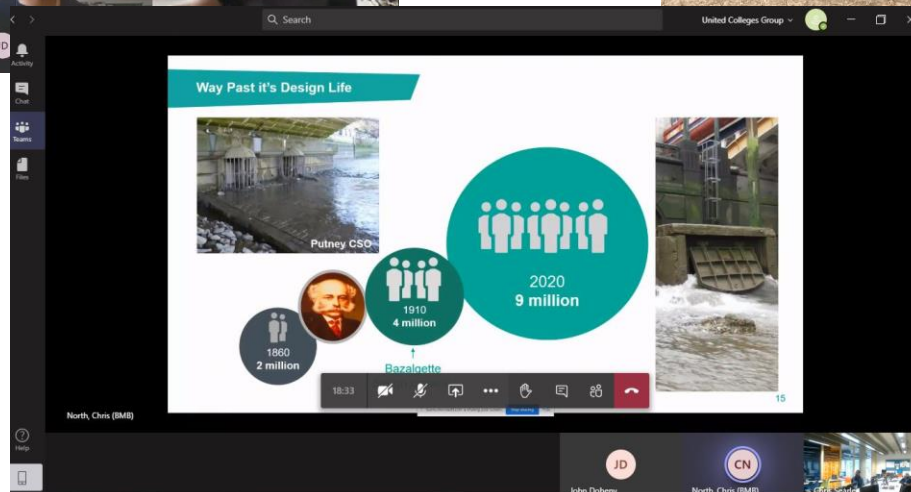
- Louise can submit your claim to the Independent Compensation Panel (ICP) on your behalf, or
- You can submit your claim direct to the ICP: [admin@tidewayicp.london](mailto:admin@tidewayicp.london)
- The IAS can send you a claim form, or you can download a claim form off the Tideway website: [www.tideway.london/help-advice/compensation-information/Independent-Compensation-Panel](http://www.tideway.london/help-advice/compensation-information/Independent-Compensation-Panel)



# Community Investment


Community investment activities have resumed

- Community hub openings
- Virtual work placements
- Virtual site tours



# How to stay up to date

## TUNNELLING UPDATE




**Tideway**

bam  
nuttall


MORGAN  
SINDALL

Balfour Beatty

**TBM Rachel:**  
Carnwath Road to Acton Storm Tanks  
2,574 Rings Installed | 4,375m Tunnelled



**TBM Charlotte:**  
King George's Park to Carnwath Road  
892 Rings Installed | 922m Tunnelled



## Monthly tunnelling updates





**Tideway**

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MORGAN  
SINDALL

Balfour Beatty

### ACTON STORM TANKS

**Community Liaison Working Group**

Tuesday 29 September 2020

## INFORMATION SHEET

REF: 2140-TDWAY-TTTUN-990-ZZ-ZZ-720978  
February 2019




**Tideway**

bam  
nuttall

MORGAN  
SINDALL

Balfour Beatty

## Information Sheets




**Tideway**

BARNES • FULHAM • HAMMERSMITH • PUTNEY • WANDSWORTH

## RIVER TIMES

YOUR UPDATE ON LONDON'S SUPER SEWER



*Mammoth vortex system arrives at Hammersmith*  
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## Quarterly Newsletter

Community Liaison Working Group Meeting's

If you would like to be added to our mailing list for works updates/notifications, email [Helpdesk@Tideway.London](mailto:Helpdesk@Tideway.London)



# How to stay up to date



[en-gb.facebook.com/TidewayLondon/](https://en-gb.facebook.com/TidewayLondon/)



[www.instagram.com/tidewaylondon/](https://www.instagram.com/tidewaylondon/)



[www.linkedin.com/company/tideway-london/](https://www.linkedin.com/company/tideway-london/)



[twitter.com/TidewayLondon](https://twitter.com/TidewayLondon)

## @TidewayLondon

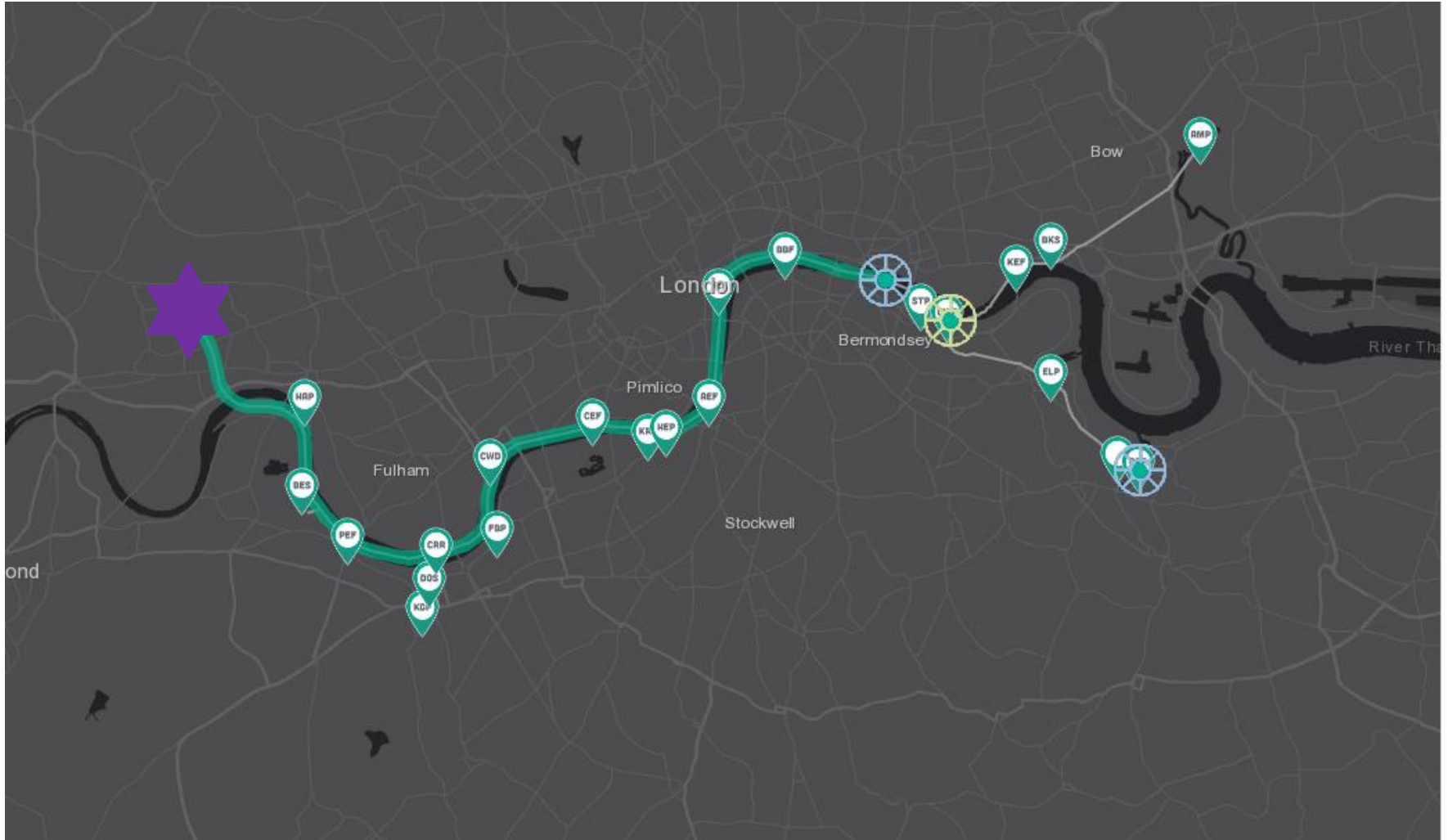
# Overall Project Update

**Andeep Gehlot, Tideway Communications Lead**



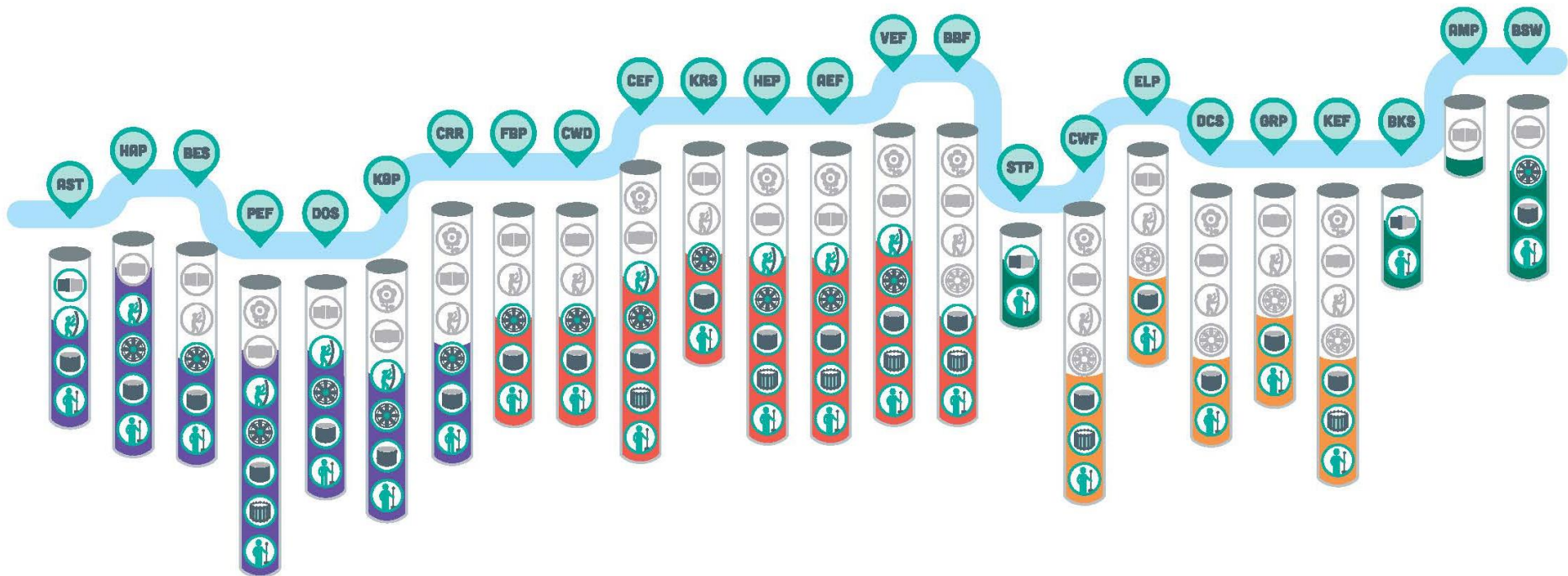
# Where is Rachel?

The Tideway TBM tracker <https://www.tideway.london/tbm-tracker/>



# BUILDING THE SUPER SEWER

Autumn 2020



## KEY



West Sites   Central Sites   East Sites   Thames Water Sites



