

# **METROTIDAL**

## **LOWER THAMES POOL**

**MARCH 2016**

# INTEGRATION BENEFITS

**Flood Defence**



**Sustainable Energy Storage**



**Integrated Transport**



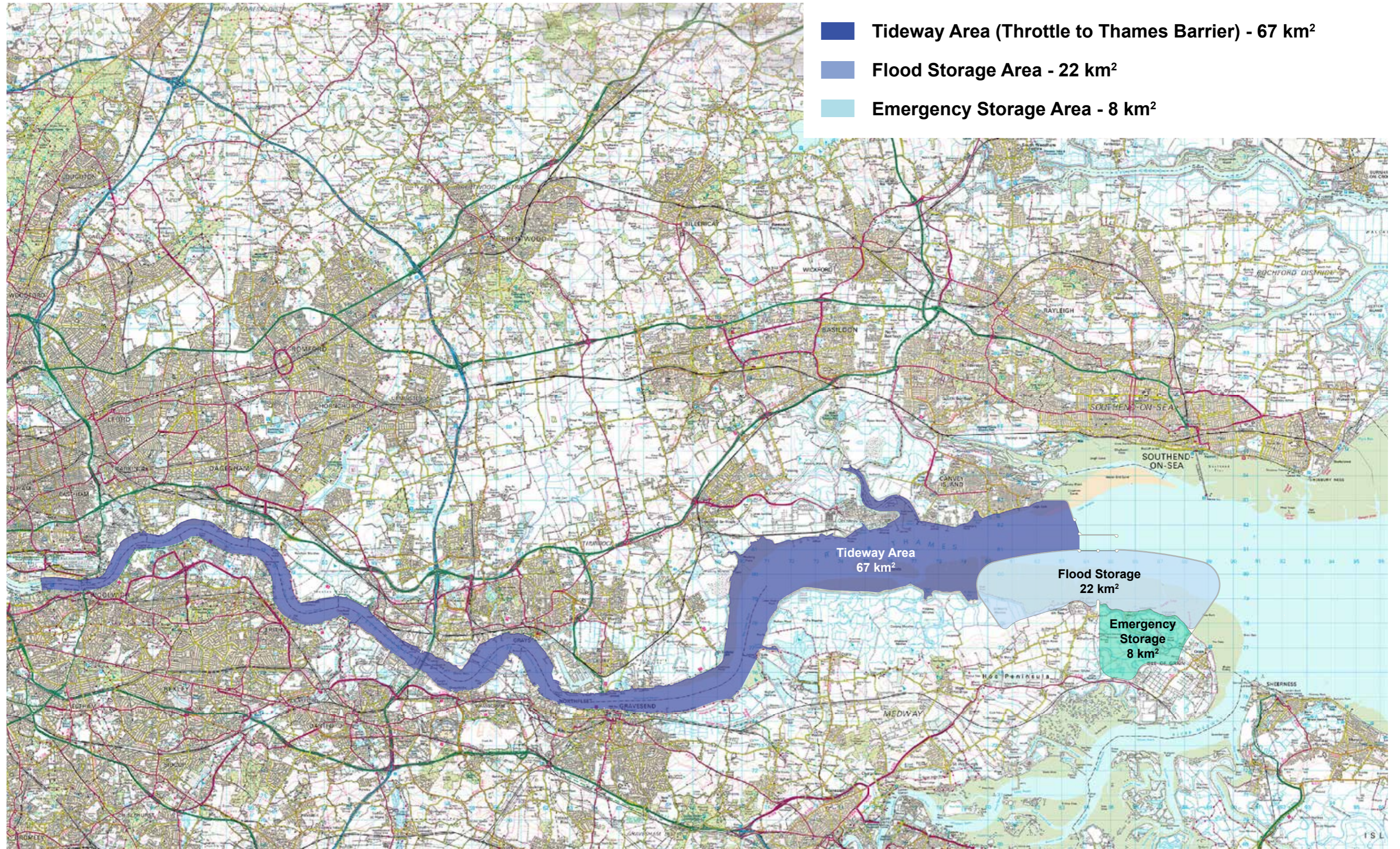
**Data Storage and Utilities**



**Enabling Development**

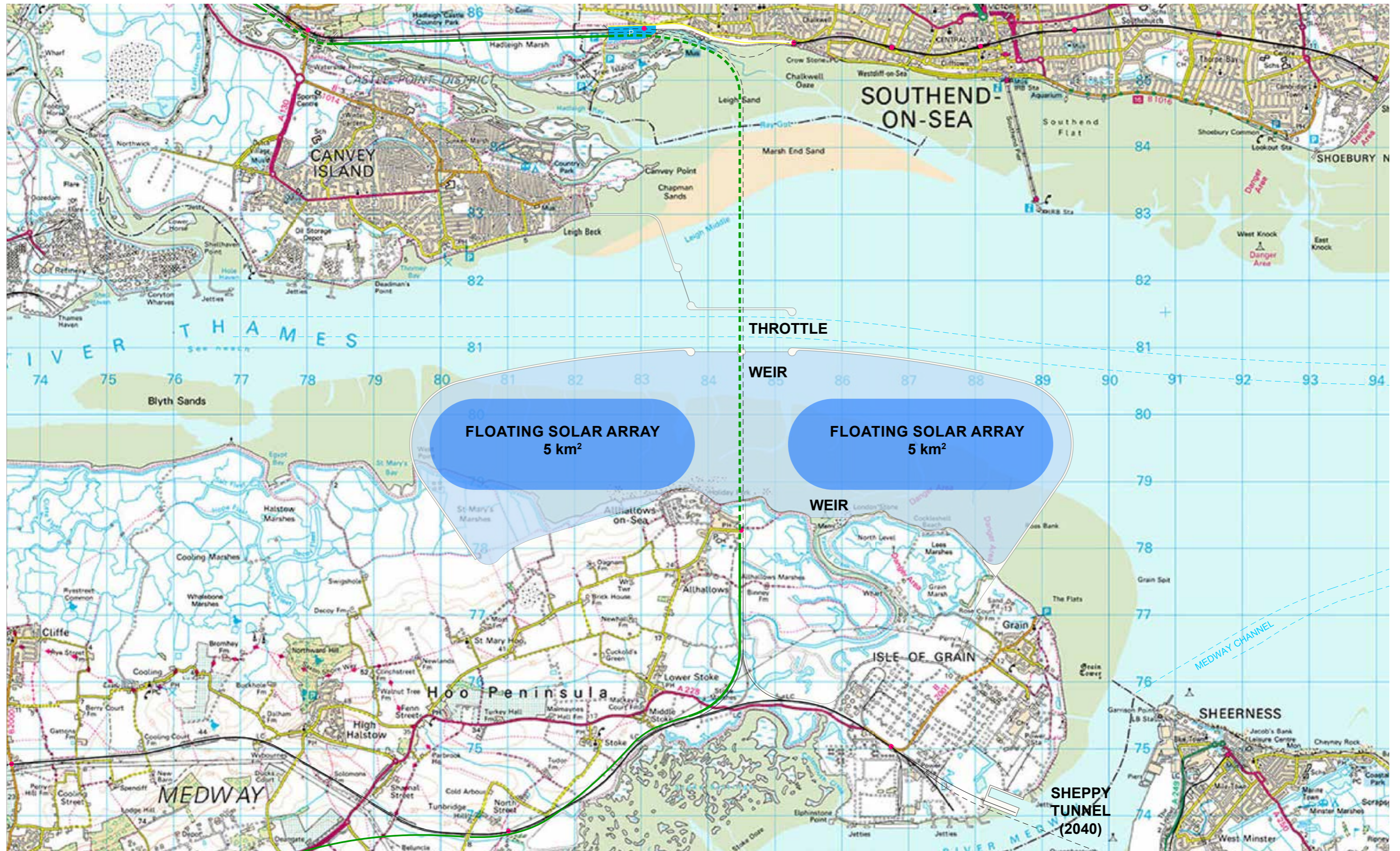
# FLOOD DEFENCE

## FLOOD STORAGE



# SUSTAINABLE ENERGY STORAGE

SOLAR / WIND / TIDAL PUMPED STORAGE



# INTEGRATED TRANSPORT

## NEW RAIL CONNECTIONS



# INTEGRATED TRANSPORT

## CROSSRAIL PLUS

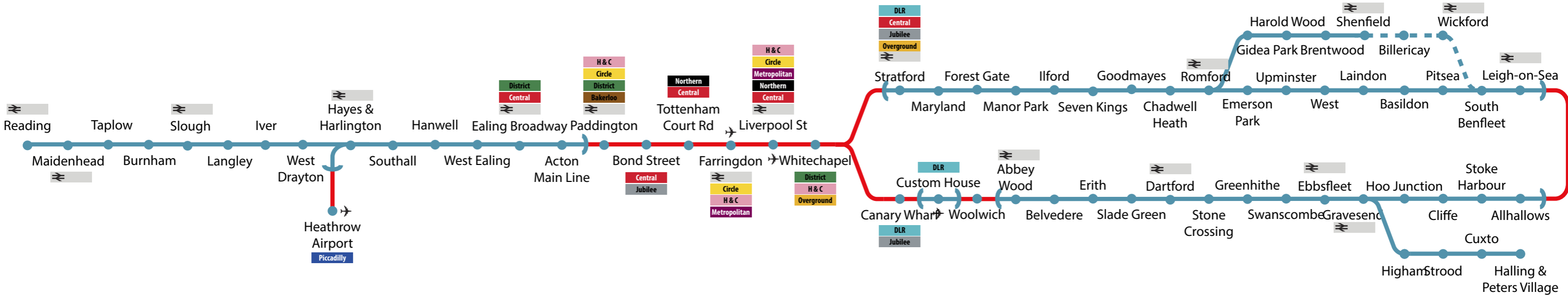


Crossrail

Route Map

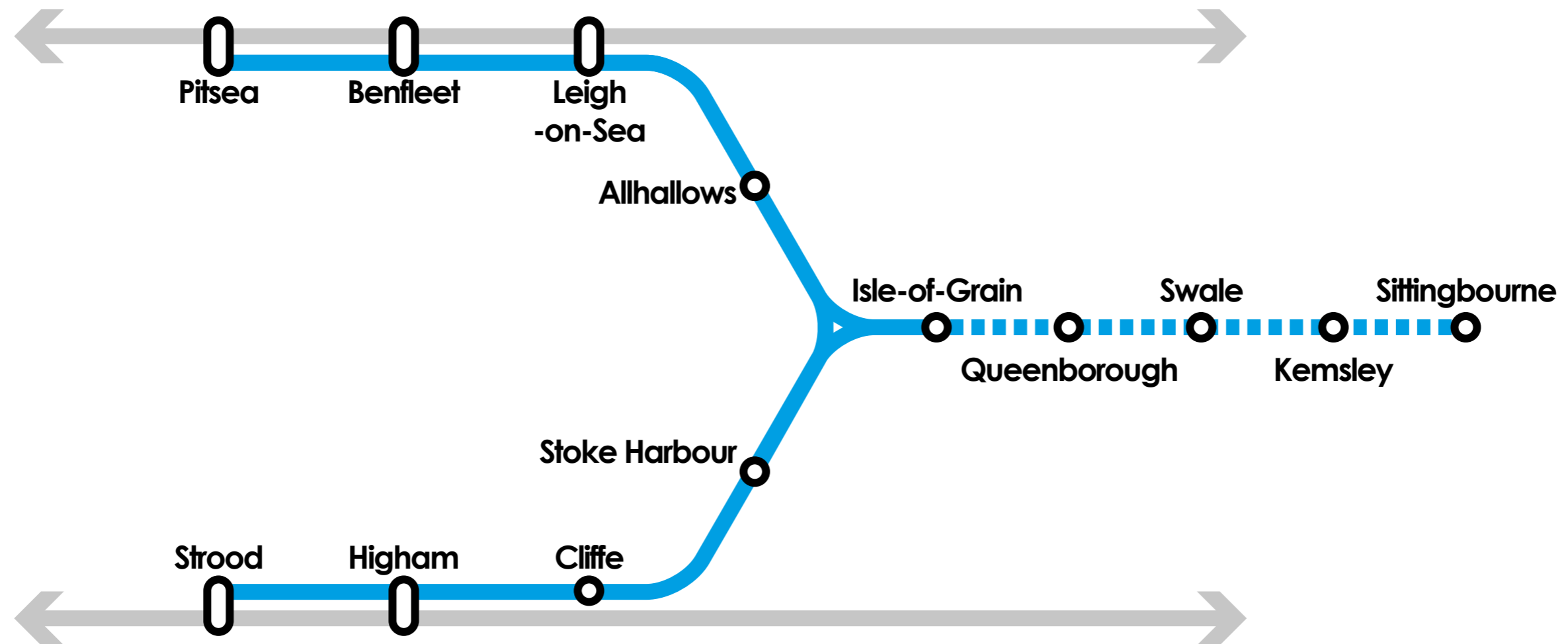


Route Connections Map



# INTEGRATED TRANSPORT

PITSEA – ISLE-OF-GRAIN – STROOD SHUTTLE



# INTEGRATED TRANSPORT

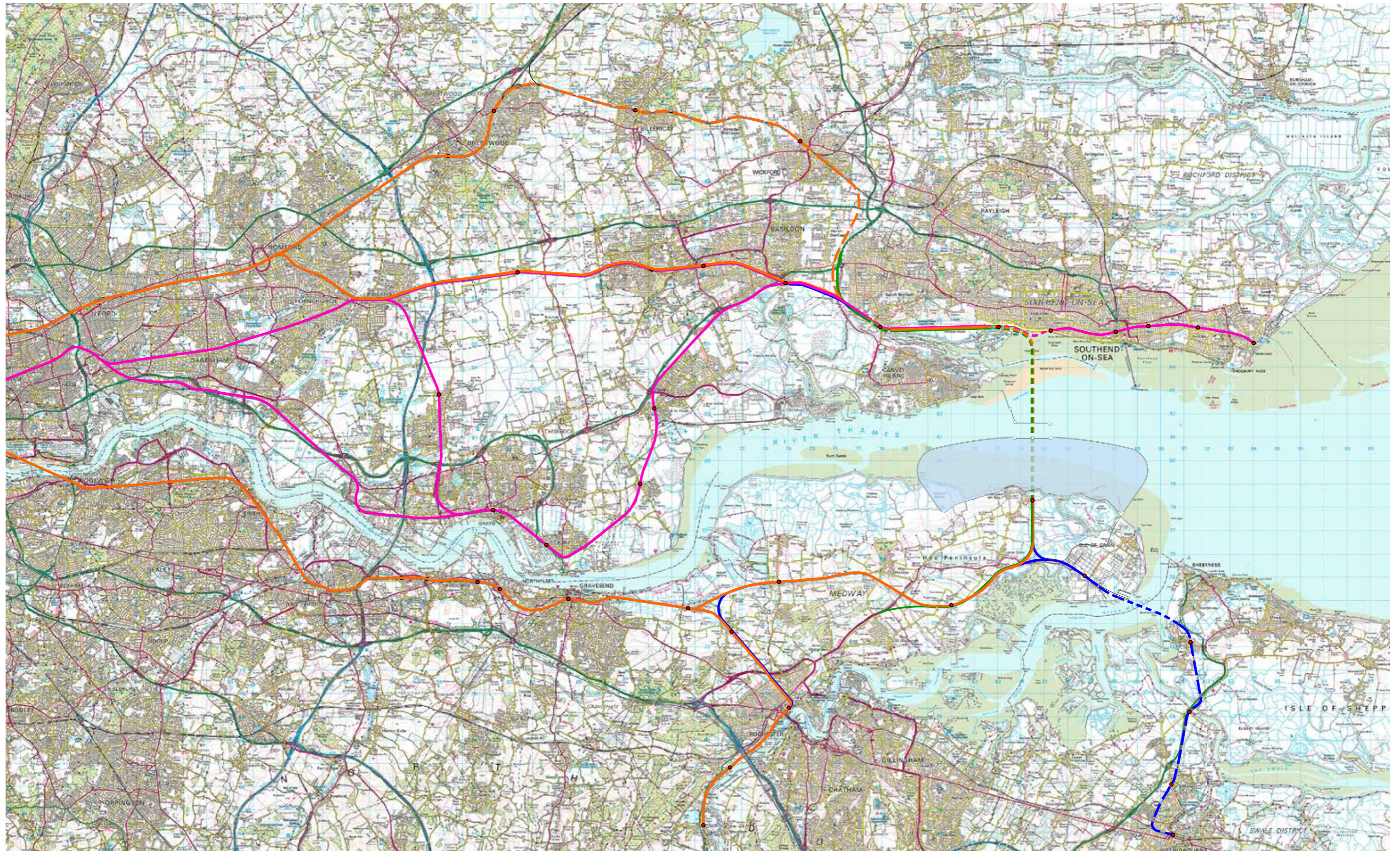
## RAIL AND ROAD CONNECTIONS

### RAIL CONNECTIONS

- CROSSRAIL PLUS
- PITSEA – ISLE-OF-GRAIN – STROOD SHUTTLE
- C2C
- HIGH SPEED 1

### ROAD CONNECTIONS

- A13/A130 – A228/A289
- LEIGH ESPLANADE – CHALKWELL ESPLANADE



# INTEGRATED TRANSPORT

## RAIL AND ROAD CONNECTIONS

### RAIL CONNECTIONS

- CROSSRAIL PLUS
- PITSEA – ISLE-OF-GRAIN – STROOD SHUTTLE
- C2C

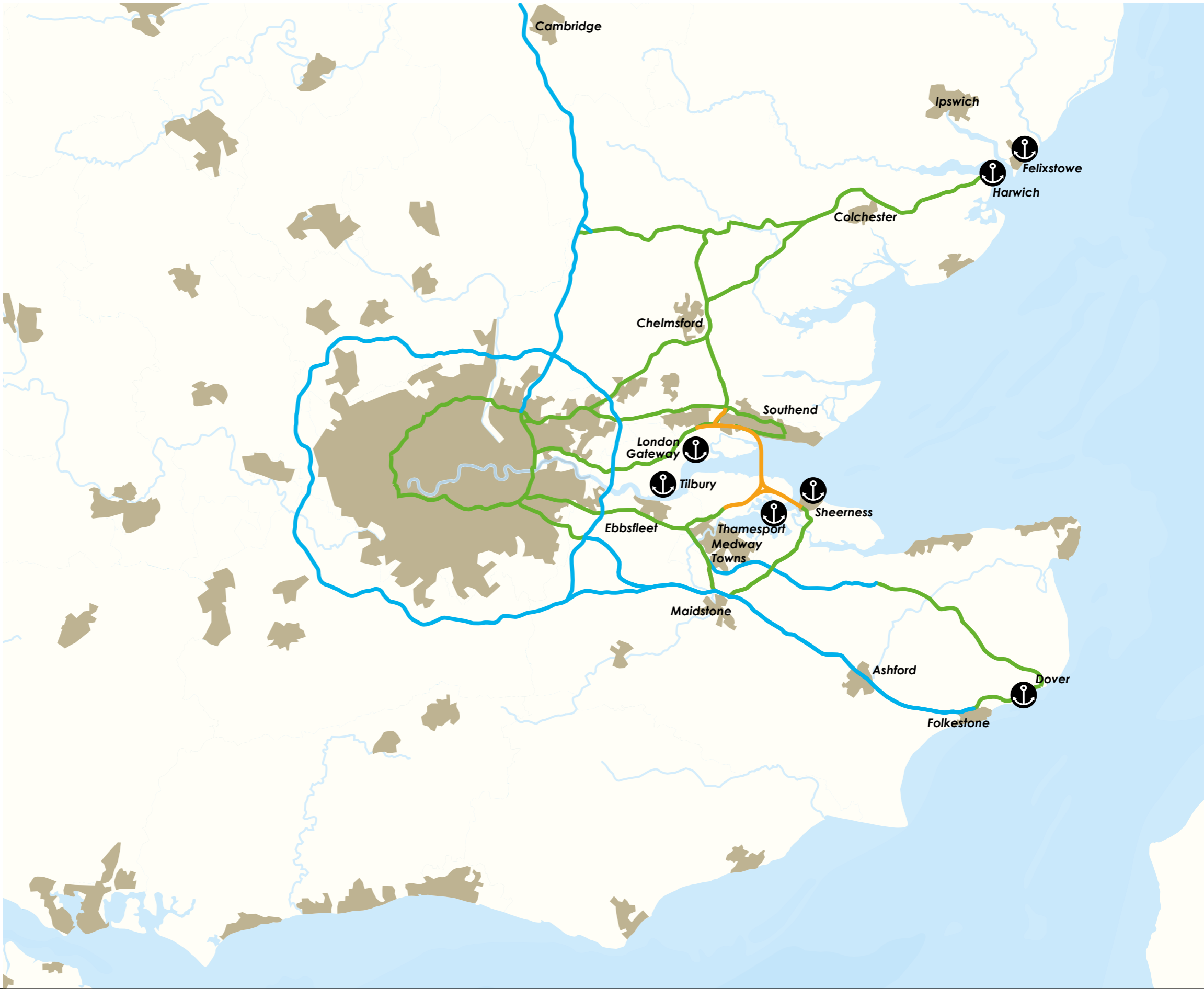
### ROAD CONNECTIONS

- A13/A130 – A228/A289
- LEIGH ESPLANADE – CHALKWELL ESPLANADE



# REGIONAL ROAD CONNECTIONS

- MOTORWAYS
- MAIN ROADS
- METROTIDAL LINKS



# TUNNEL CONSTRUCTION



# TUNNEL CONSTRUCTION

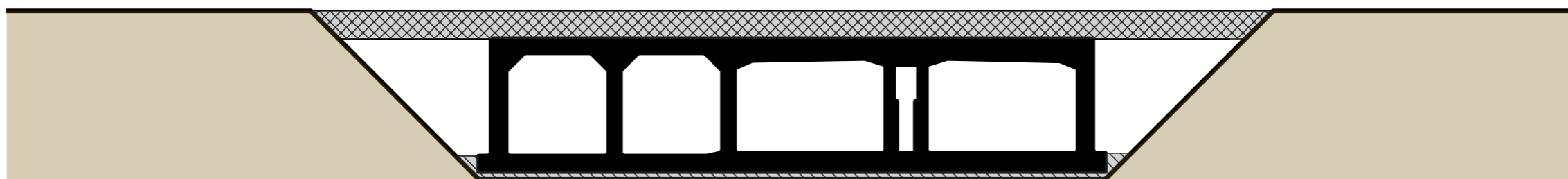
## SHORTER TUNNEL OPTION



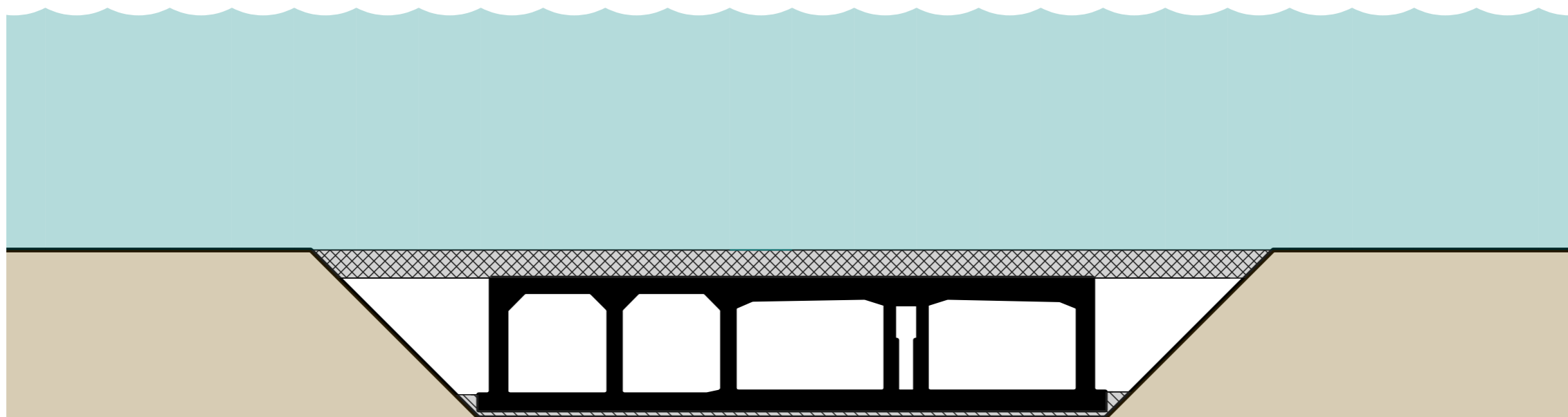
# D2T2 IMMERSED TUBE TUNNEL



OPEN-CUT TUNNEL APPROACHES

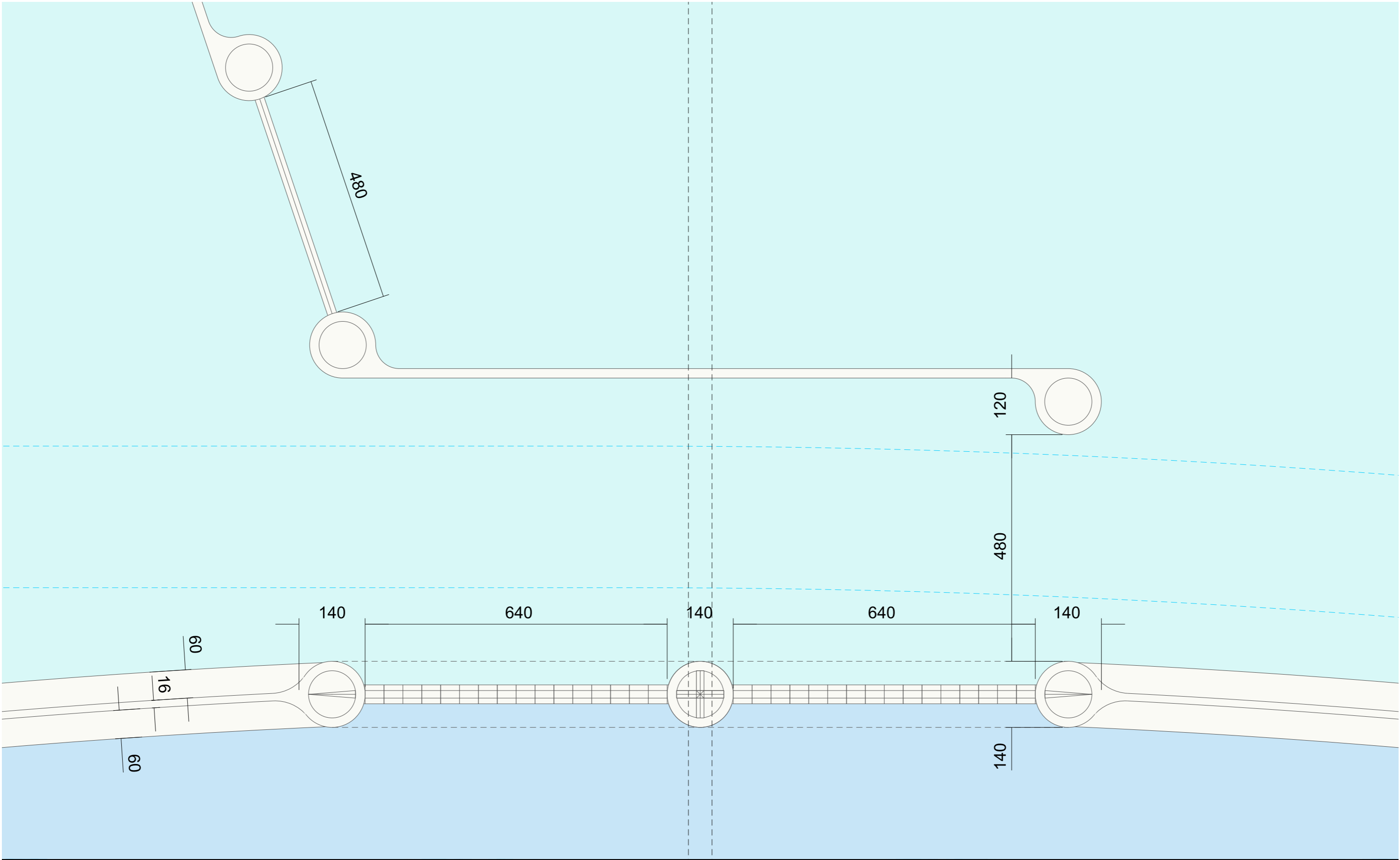


CUT-AND-COVER ACROSS INTERTIDAL AREAS



CUT-AND-COVER UNDER RIVER

# THROTTLE DETAIL



# DATA STORAGE AND UTILITIES

INFRASTRUCTURE UTILITY WAYLEAVES

 DATA STORAGE

 DISTRIBUTION



# ENABLING DEVELOPMENT

## STATION-FOCUS GROWTH ZONES



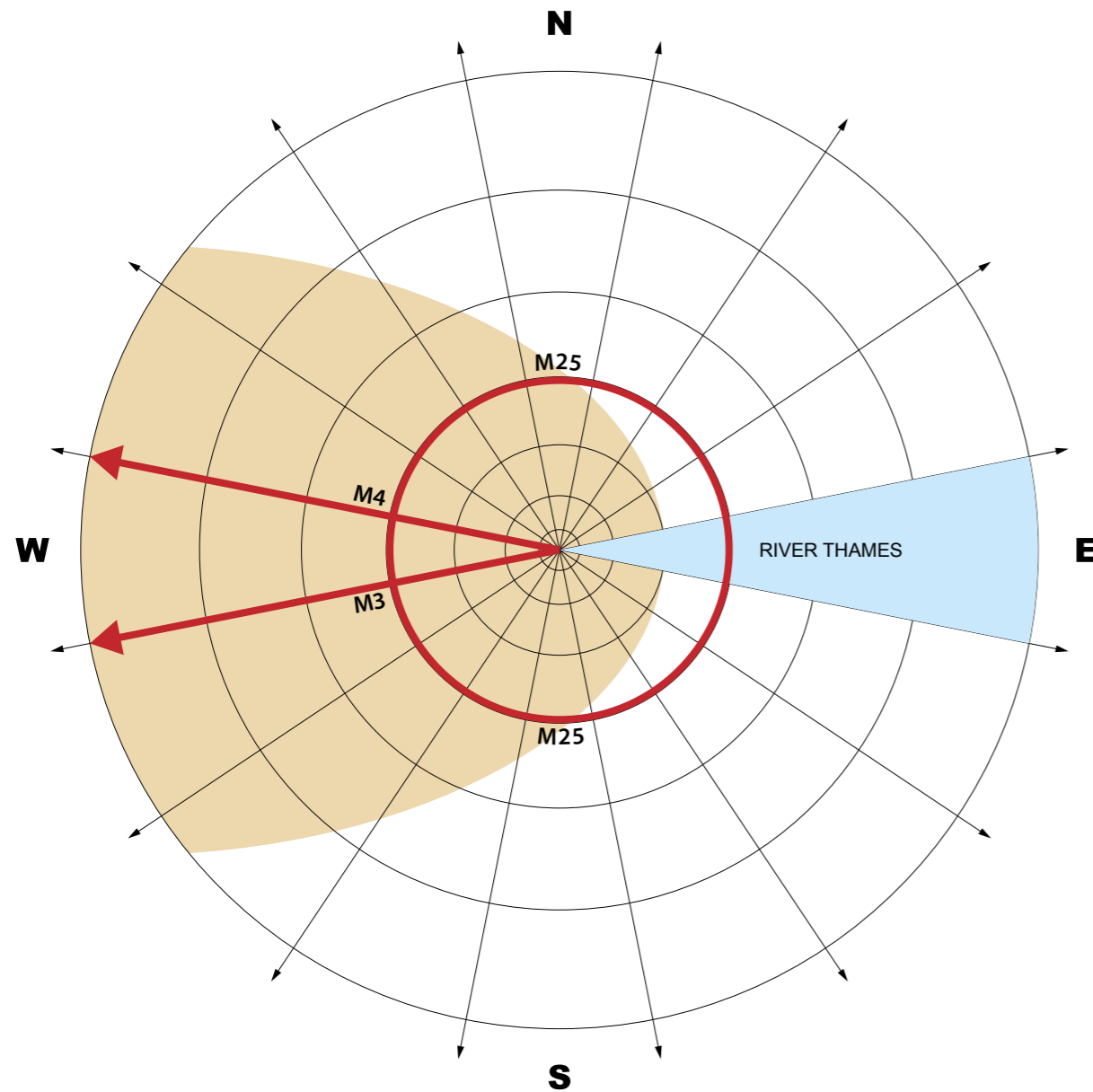
# STOKE HARBOUR MASTERPLAN – HOO PENINSULA

SHELTER WOLFSON ECONOMICS PRIZE 2014 HOUSING SCHEME

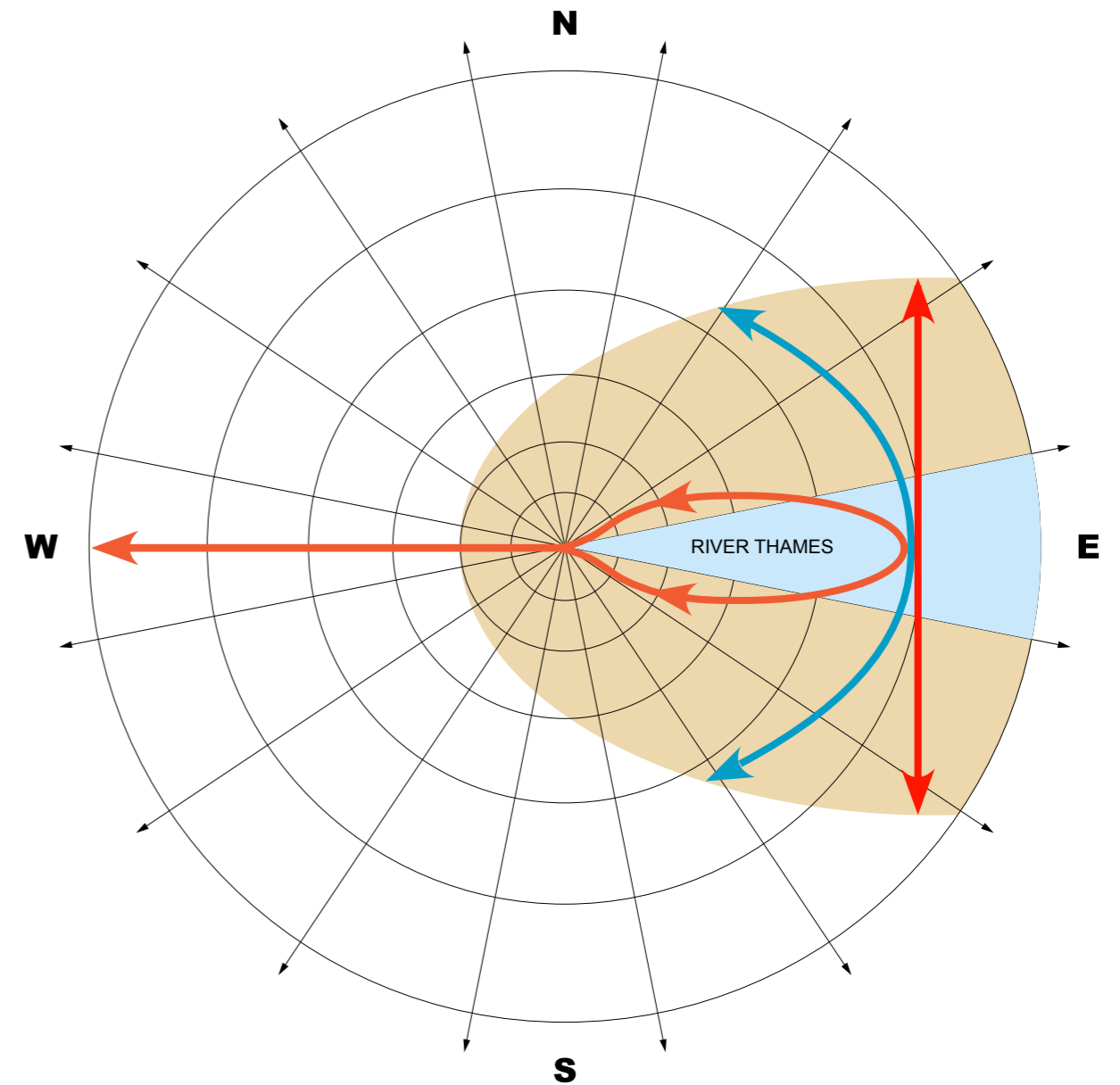


# AGGLOMERATION BENEFITS

## TRANSPORT NETWORKS AND GROWTH AREAS FOR LONDON



**HISTORIC SYSTEM**  
GROWTH IN THE WEST



**PROPOSED ADDITION**  
GROWTH IN THE EAST