

Lower Thames Crossing
Map Book 1: General Arrangements

Lower Thames Crossing map books

The three map books for the community impacts consultation contain plans of our proposals, under the following headings:

- Map book 1: General Arrangements (layout plans)
- Map book 2: Land Use Plans
- Map book 3: Engineering Plans

The orientation of Map Books 1 and 2 has been updated to enable all drawings to have a north up orientation.

These plans also show the changes we have made since our design refinement consultation last year and are published for the purposes of this consultation. Following this consultation, we will consider the feedback received and use that to inform our Development Consent Order (DCO) application, which we plan to submit to the Planning Inspectorate later this year.

The plans run from the A2 in the south to the M25 in the north. Identically numbered sheets in the Map Books 1 and 2 show the same area. For example sheet 3 shows the A2/LTC junction in Map Books 1 and 2.

Map Book 1: General Arrangements

The General Arrangements show the proposed layout of the project, including:

- Permanent works; new roads, earthworks and roadside features
- Construction compounds
- Environment mitigation; landscaping and tree planting
- Utilities diversions
- Order Limits (previously known as the development boundary)
- Open space and replacement land

NB: The key plans show the relative location of each drawing sheet within the map book and the area they cover. On sheets where there is no information on the key plans, this represents drawings where works are being carried out away from the main route alignment.

Map Book 2: Land Use Plans

The land use plans show the areas of land we are seeking powers to compulsorily acquire or to acquire rights on, under or over. They also show the land we require temporary powers to use, to construct and operate the project. Areas we may need to purchase interests or rights over include the land required for the permanent works, temporary works, compensation land and replacement land.

Permanent works

Compulsory purchase of land or compulsory acquisition of rights will be required for the route of the road, to re-connect local roads and for associated structures like drainage ponds and the tunnel control building. In some land parcels, only the acquisition of subsoil will be required. For example, the construction of the tunnel beneath the River Thames.

Temporary works

Temporary use of land is needed for the project's construction works and to provide sufficient space to do so safely. The land use plans show land that may be required temporarily for the main construction compounds at the tunnel entrances north and south of the River Thames, and at various locations along the route. We will also require permanent and temporary rights over land to divert utilities such as gas pipelines, electricity cables and water pipes.

Compensation land

Compensation land may include environmental protection measures such as habitat creation and flood compensation. This land may also need to be permanently acquired or be subject to permanent rights.

Replacement land

Land is also included in respect of the replacement of special category land such as open space, or common land which is being compulsorily acquired or in respect of which permanent rights are sought.

Map Book 3: Engineering Plans

This book contains engineering drawings in the following order:

- The plan and profile drawings which detail the vertical and horizontal road alignment
- The junction arrangements showing the proposed layout
- The cross sections throughout the route showing the lanes and earthworks

The plan and profile drawings show the highway details of the route in plan and profile (level above or below existing ground). The drawings are split into two views with the plan on the top and profile underneath.

The profile gives the road level in relation to existing ground at a given chainage*. An exaggerated scale is used in the profile to help show the differences in levels and gradients of the design. The profile also shows where existing roads and public rights of way cross over or under the route.

All levels are given in relation to the Above Ordnance Datum level** the profile reference level might be different on each drawing.

* Chainage measures the distance along the route in metres.

** Above Ordnance Datum level (AOD) is a measurement above mean sea level taken from a reference point at Newlyn in Cornwall.

Large maps

Large maps that cover a greater area have also been produced, which detail the following:

- Environmental constraints – 1 sheet
- Land use – 6 sheets
- Operation (General Arrangements – 6 sheets larger coverage)
- Construction (Compounds and Access - 6 sheets)
- General Arrangement (full route) – 1 sheet
- Aerial view of the proposed LTC route – 1 sheet

Main works access routes shown on these maps represent a snapshot in time. They will evolve in line with the surrounding works.

HIGHWAYS ENGLAND



ENGINEERING AND CONSTRUCTION

- New Carriageway
- Railway line
- Overbridge
- Underpass
- Culvert
- Traffic sign
- Gantry
- Lighting
- Pond
- Footpath, Cycleway or Bridleway route
- Tunnel
- Earthworks - Cutting
- Earthworks - Embankment
- Earthworks - Flood protection bund/false cutting
- Verge
- Retaining wall
- Maintenance access
- Ground protection tunnel
- Green Roof for Tunnel Buildings
- UTILITIES**
- Underground multiutility alignment
- Realigned Gas
- Realigned or modified overhead cable
- Maximum length of OHL to be removed
- Diversion ties into existing Gas Compound or Electricity substation

EXISTING ENVIRONMENTAL FEATURES

- Grade I listed building
- Grade II listed building
- Grade II* listed building
- Area of Outstanding Natural Beauty (AONB)
- Site of Special Scientific Interest (SSSI)
- Ancient Woodland
- Conservation Area
- Scheduled monument
- Community Forest
- Watercourse

PROPOSED ENVIRONMENTAL MITIGATION

- Open space provision, replacement open space and replacement common land
- Proposed woodland planting
- Proposed woodland planting
- Proposed grassland planting
- Potential receptor site for ancient woodland compensation
- Potential receptor site for translocation of protected species
- Ecology protection measures
- Flood Compensation Area
- Hedgerow
- Watercourse diversion

BOUNDARIES

- Order Limits
- Registered park or garden
- Relocated Travellers site

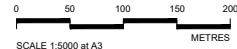
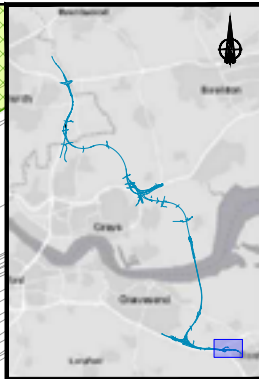
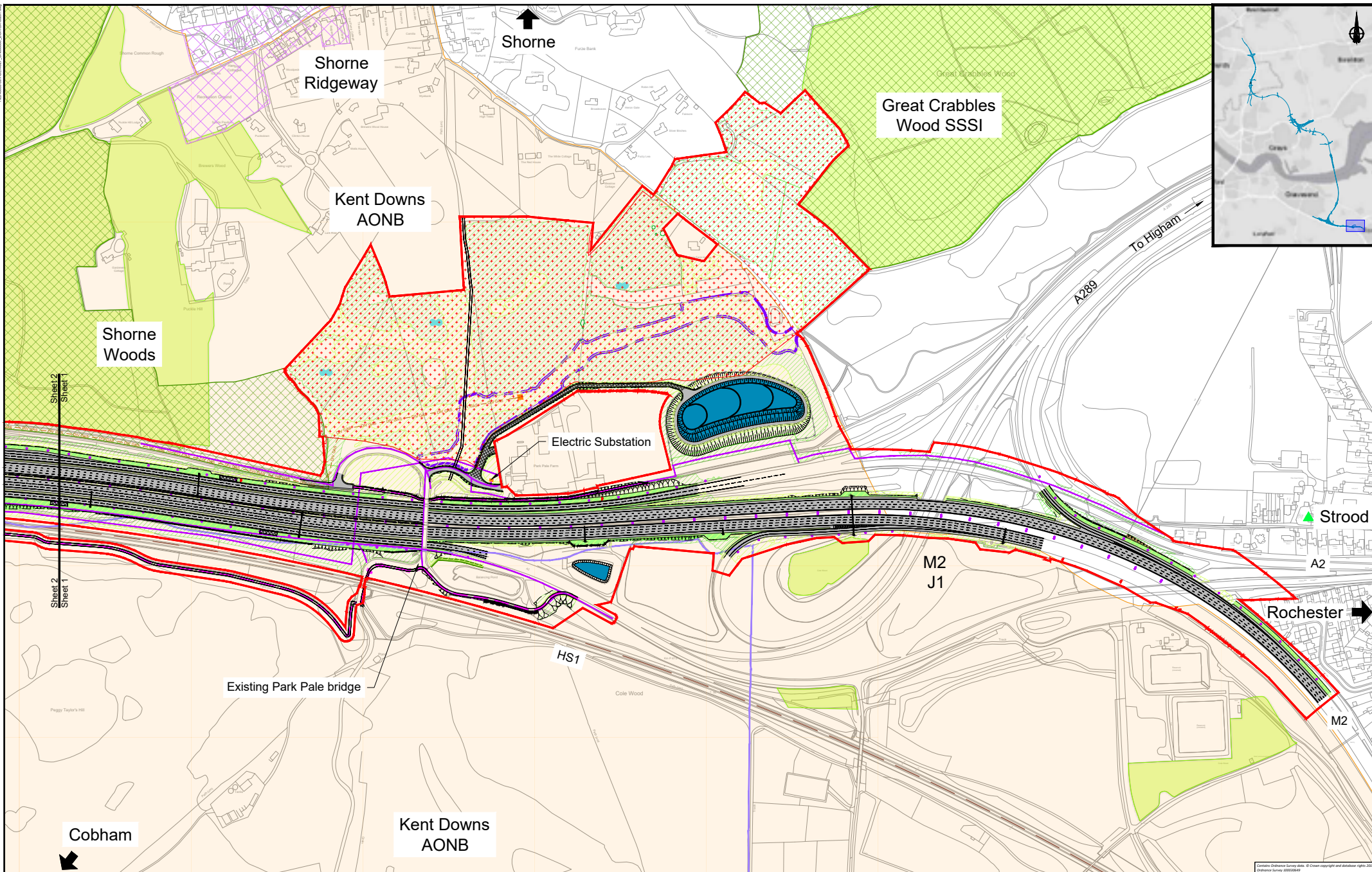
LEGEND:
 Lower Thames Crossing
 Lower Thames Crossing in tunnel

Client

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Project LOWER THAMES CROSSING COMMUNITY IMPACTS CONSULTATION

Drawing title **GENERAL ARRANGEMENT KEY PLAN AND LEGEND**



Client
highways england

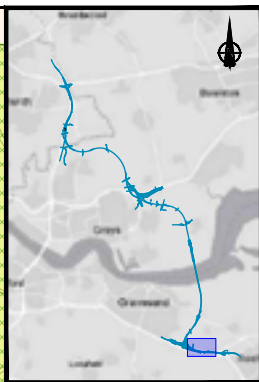
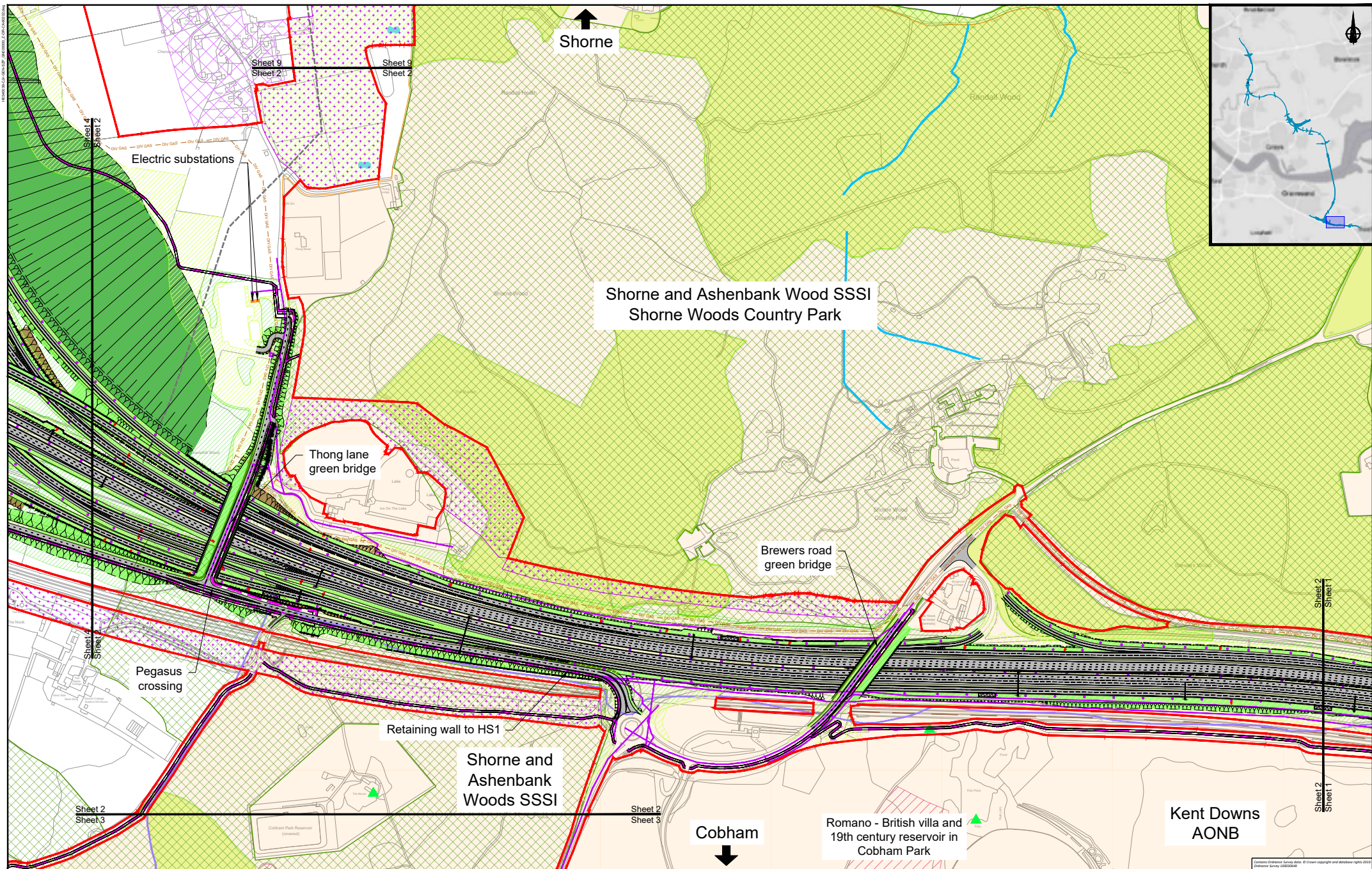
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Project LOWER THAMES CROSSING
COMMUNITY IMPACTS CONSULTATION
Drawing title
GENERAL ARRANGEMENT PLAN
SHEET 1

16/0000/CA/01/01/01/000000_12/01/2020/001

Sheet 2
Sheet 1

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Shorne
↑

Shorne and Ashenbank Wood SSSI
Shorne Woods Country Park

Thong lane
green bridge

Brewers road
green bridge

Pegasus
crossing

Retaining wall to HS1

Shorne and
Ashenbank
Woods SSSI

Cobham
↓

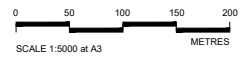
Romano - British villa and
19th century reservoir in
Cobham Park

Kent Downs
AONB

Sheet 2
Sheet 3

Sheet 2
Sheet 3

Sheet 2
Sheet 1



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Drawing title **GENERAL ARRANGEMENT PLAN**
SHEET 2

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Sheet 4
Sheet 3

Sheet 4
Sheet 3

Sheet 2
Sheet 3

Sheet 2
Sheet 3

Shorne and
Ashenbank
Woods SSSI

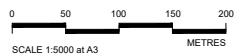
Halfpence Lane

Cobham

Cobham

West Park

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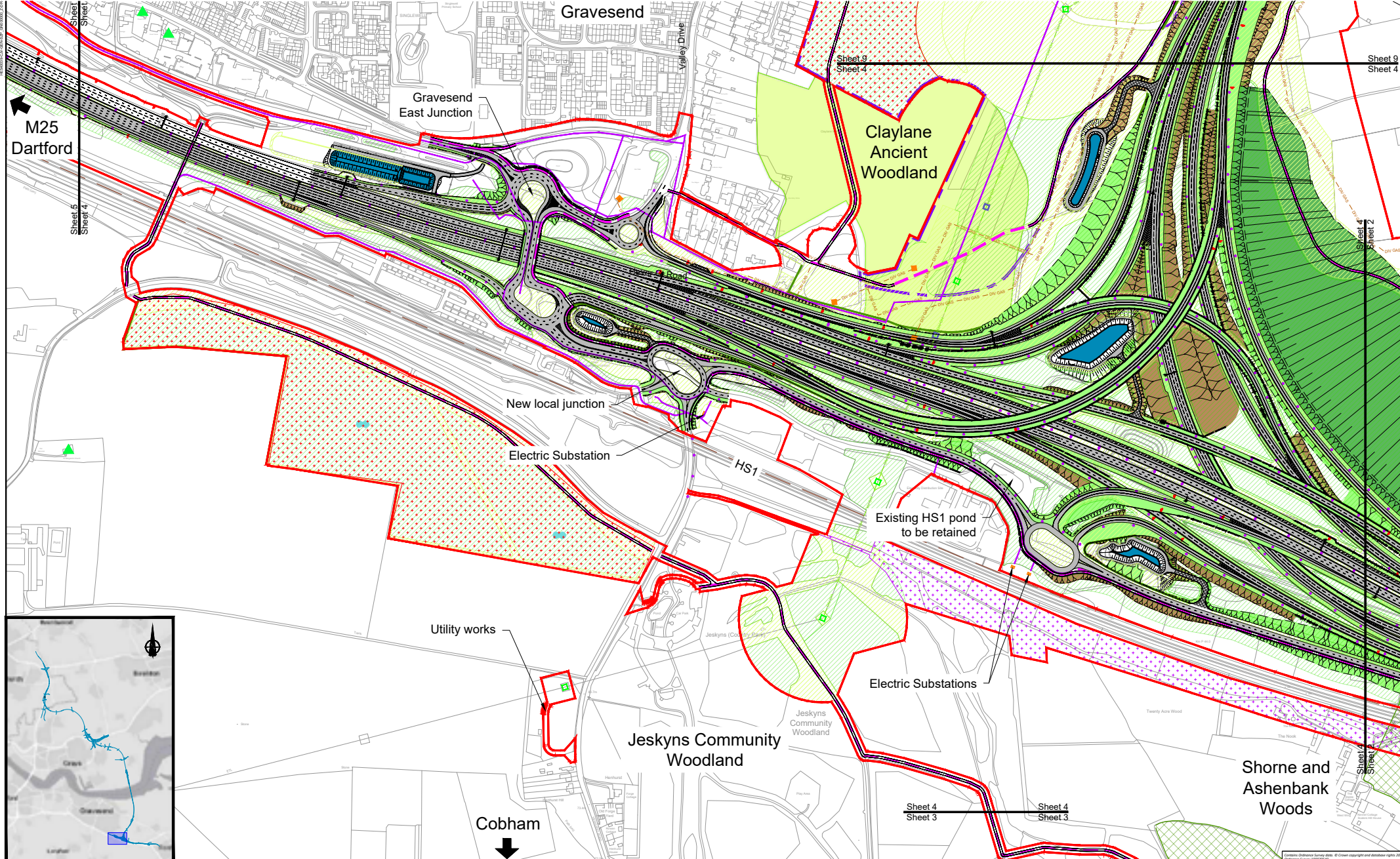


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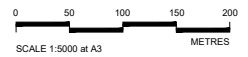
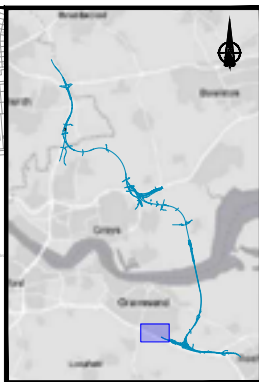
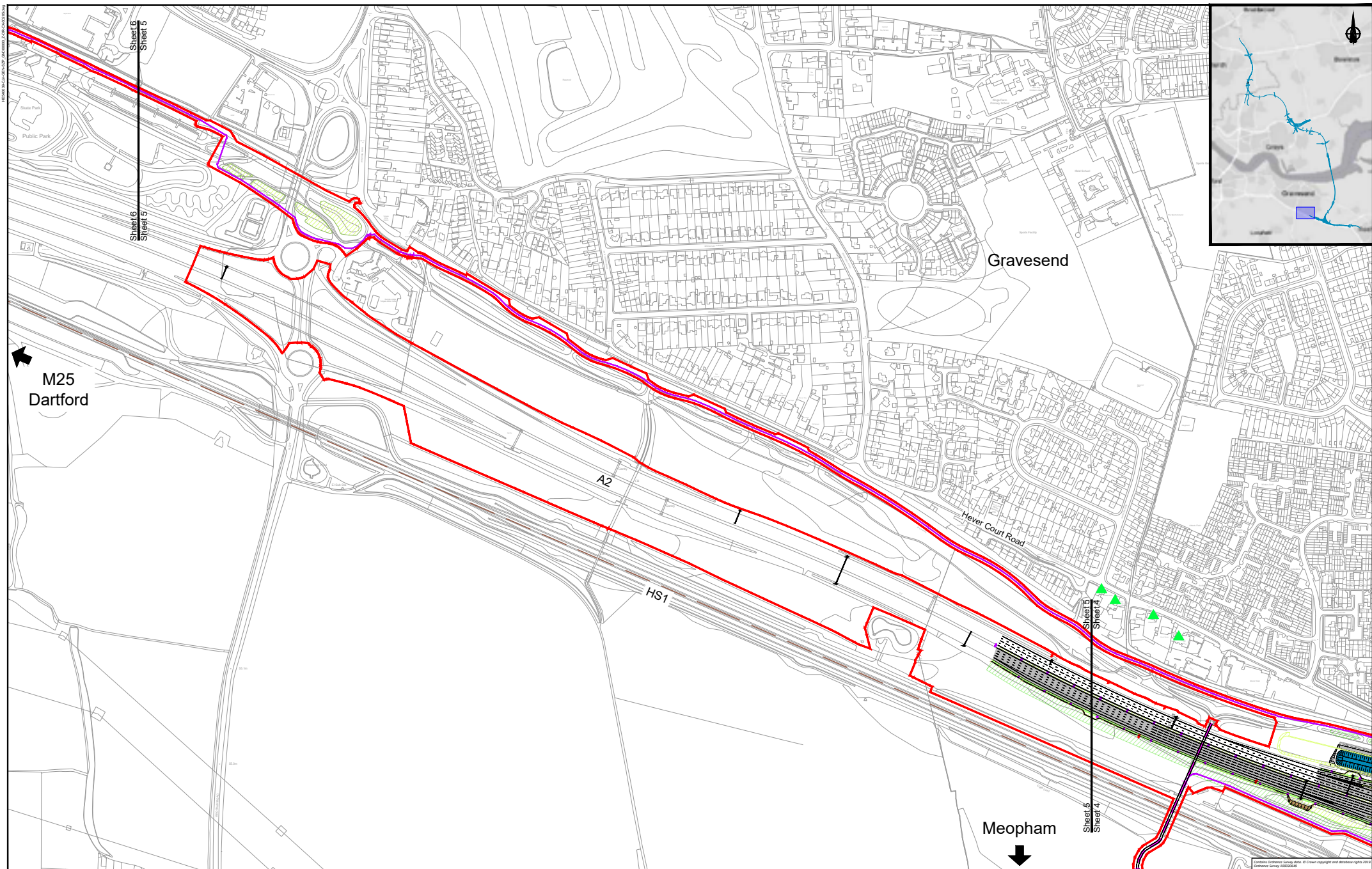
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COMMUNITY IMPACTS CONSULTATION

Drawing title
**GENERAL ARRANGEMENT PLAN
SHEET 3**



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	Drawing title GENERAL ARRANGEMENT PLAN SHEET 4



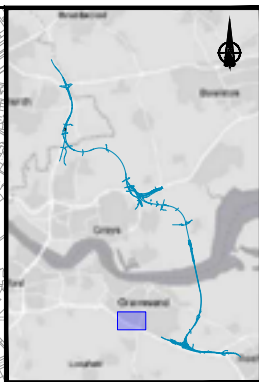
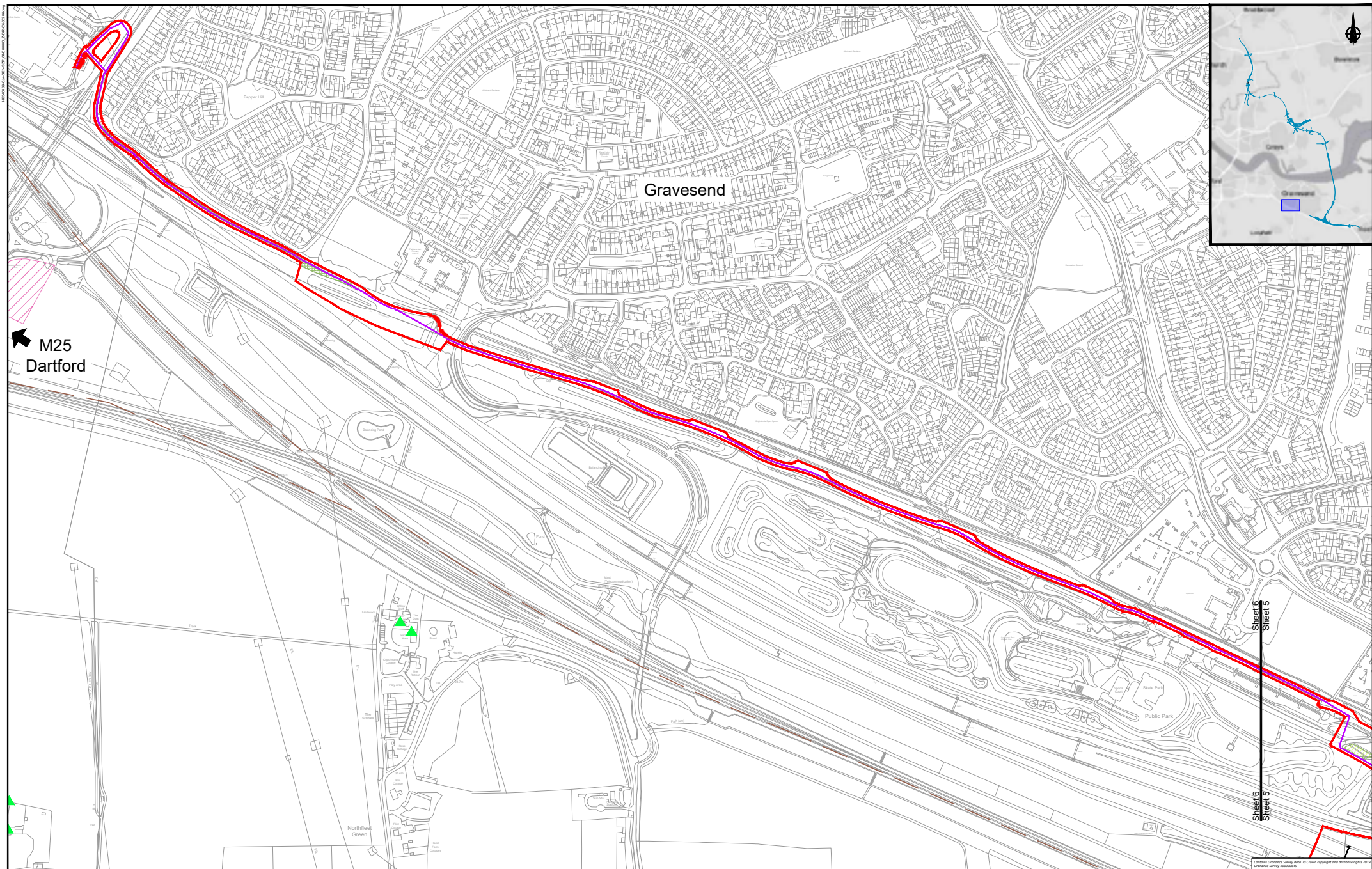
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Drawing title **GENERAL ARRANGEMENT PLAN**
SHEET 5

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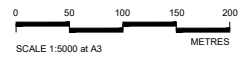


← M25
Dartford

Gravesend

Sheet 6
Sheet 5

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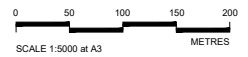
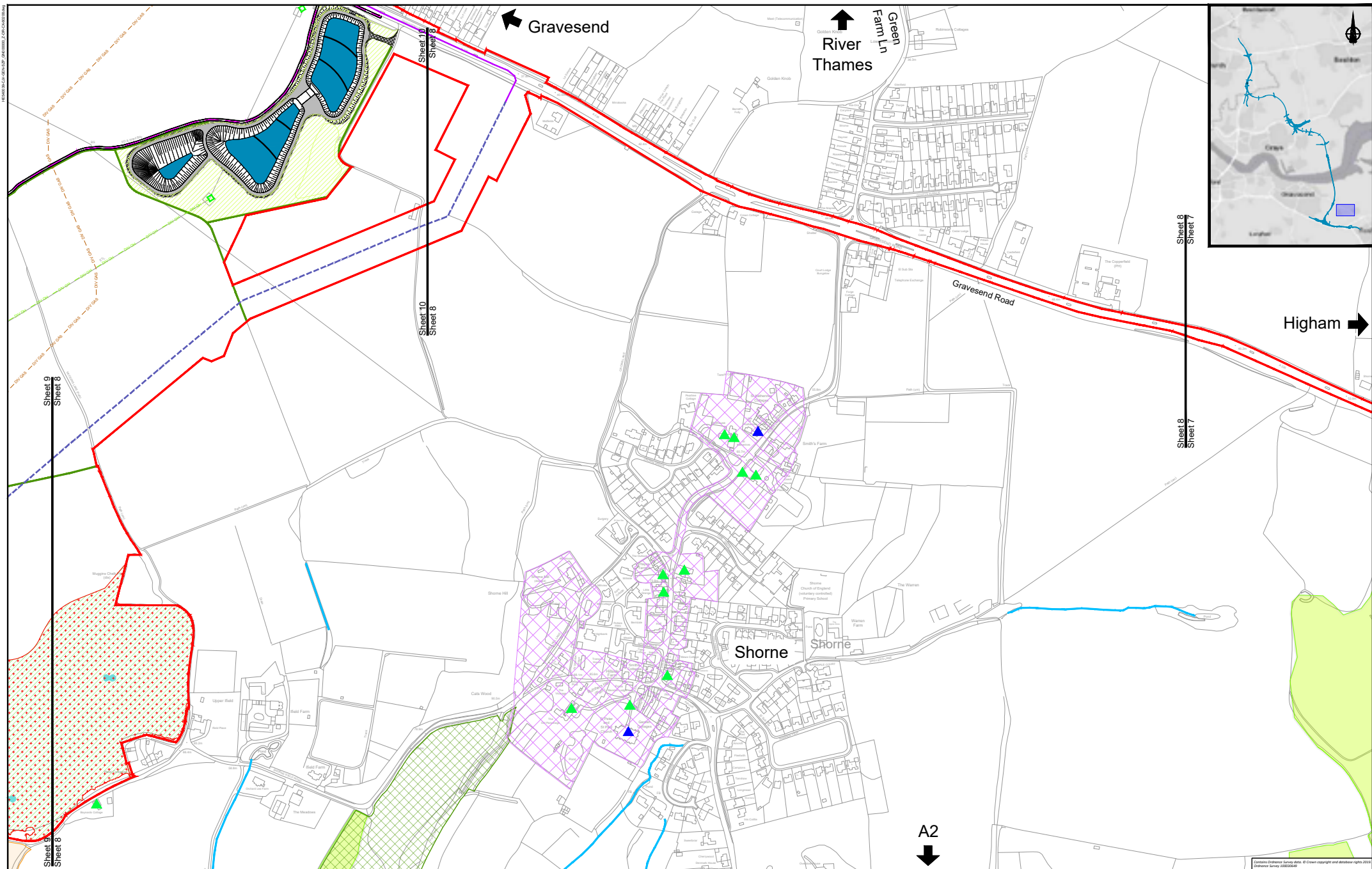


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Drawing title **GENERAL ARRANGEMENT PLAN
SHEET 6**



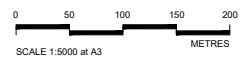
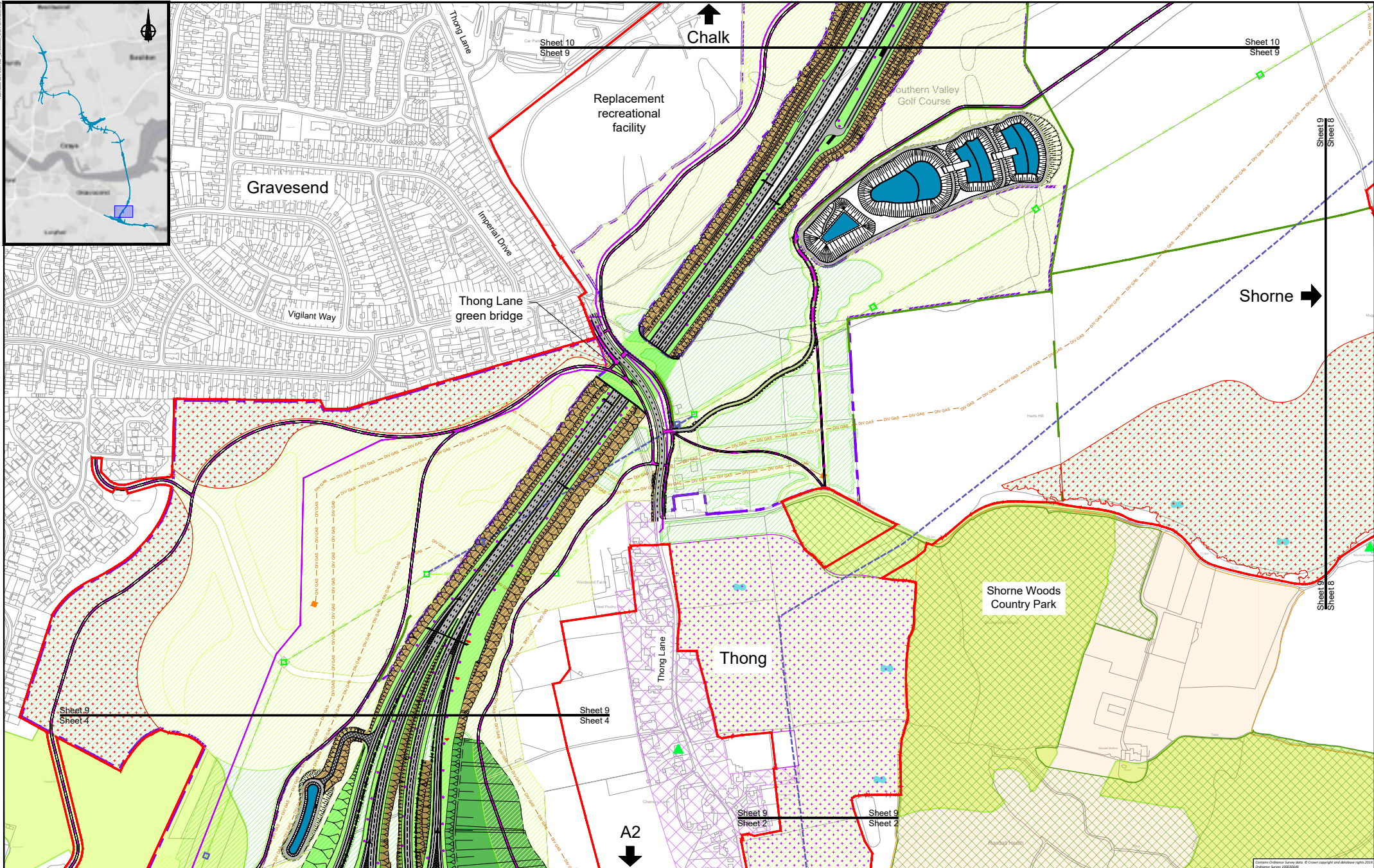
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SHEET 8

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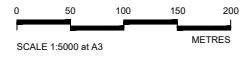
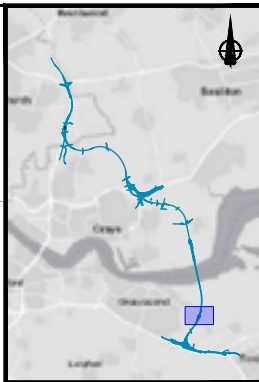
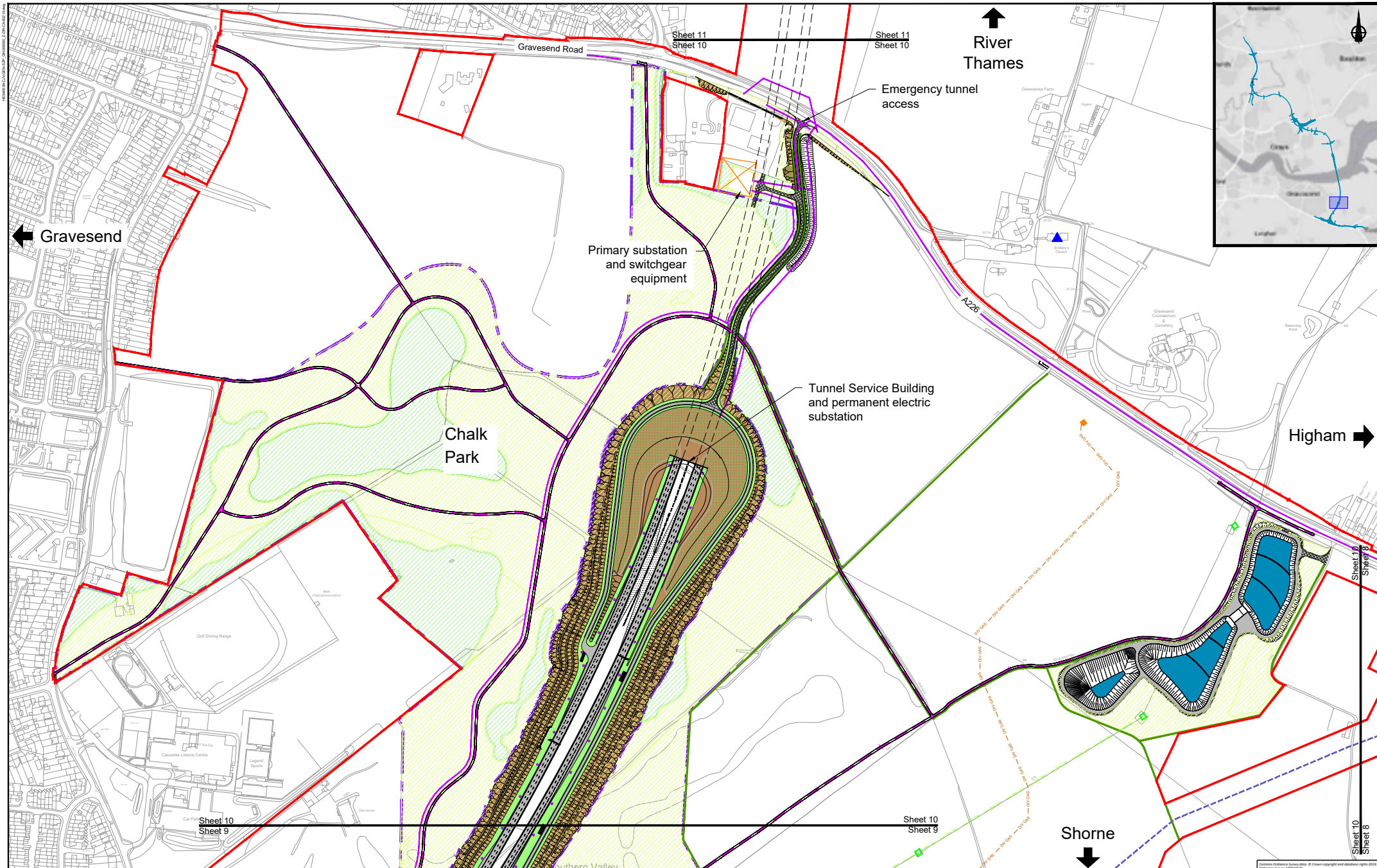
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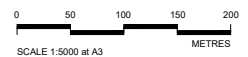
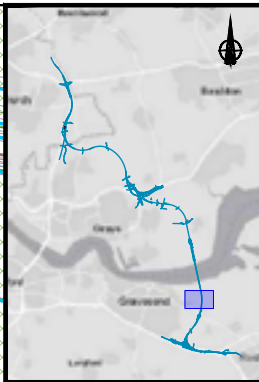
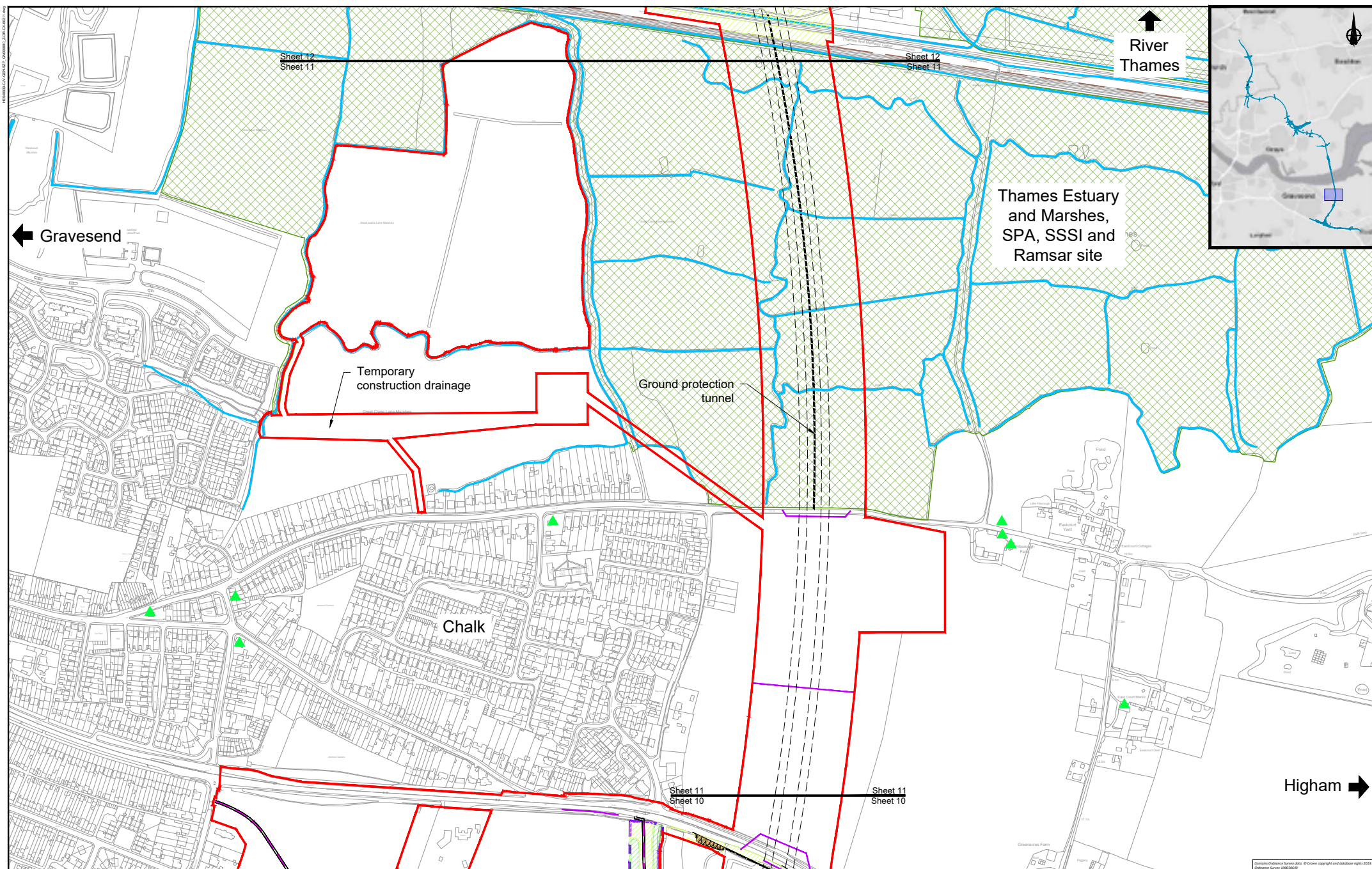
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COMMUNITY IMPACTS CONSULTATION

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GENERAL ARRANGEMENT PLAN
SHEET 10

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Sheet 10
Sheet 9
Sheet 10
Sheet 8

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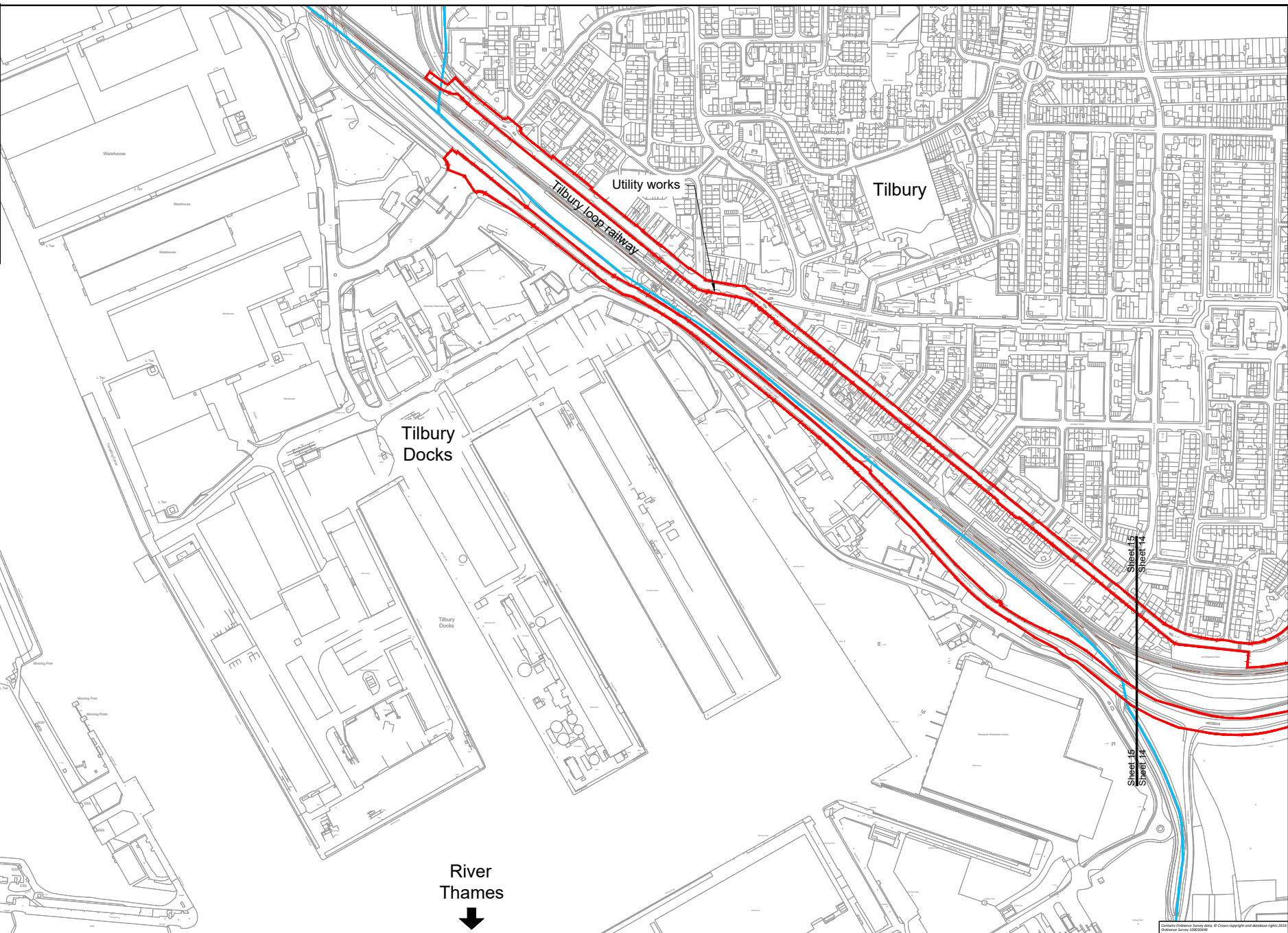
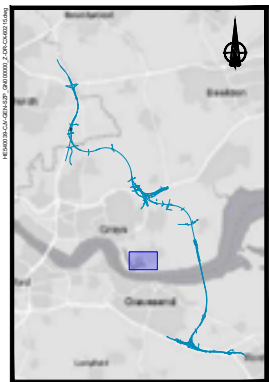
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SHEET 11

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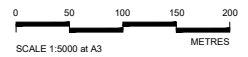
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River Thames
↓

Sheet 15
Sheet 14

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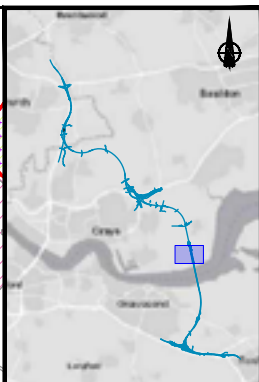
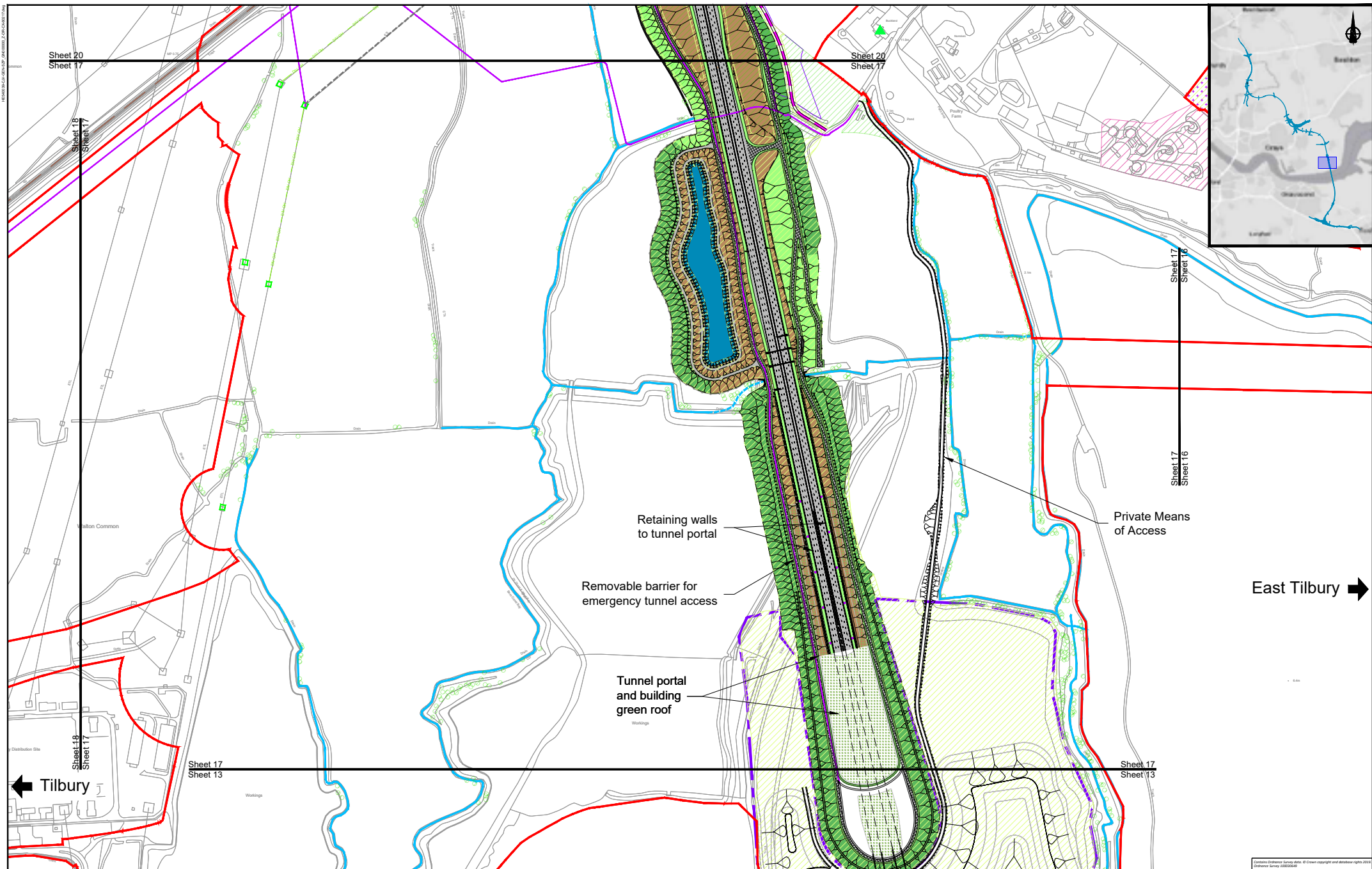


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Drawing title **GENERAL ARRANGEMENT PLAN SHEET 15**



Sheet 20
Sheet 17

Sheet 20
Sheet 17

Sheet 17
Sheet 16

Sheet 17
Sheet 16

Sheet 17
Sheet 13

Retaining walls
to tunnel portal

Removable barrier for
emergency tunnel access

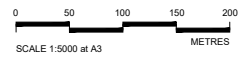
Tunnel portal
and building
green roof

Private Means
of Access

East Tilbury →

← Tilbury

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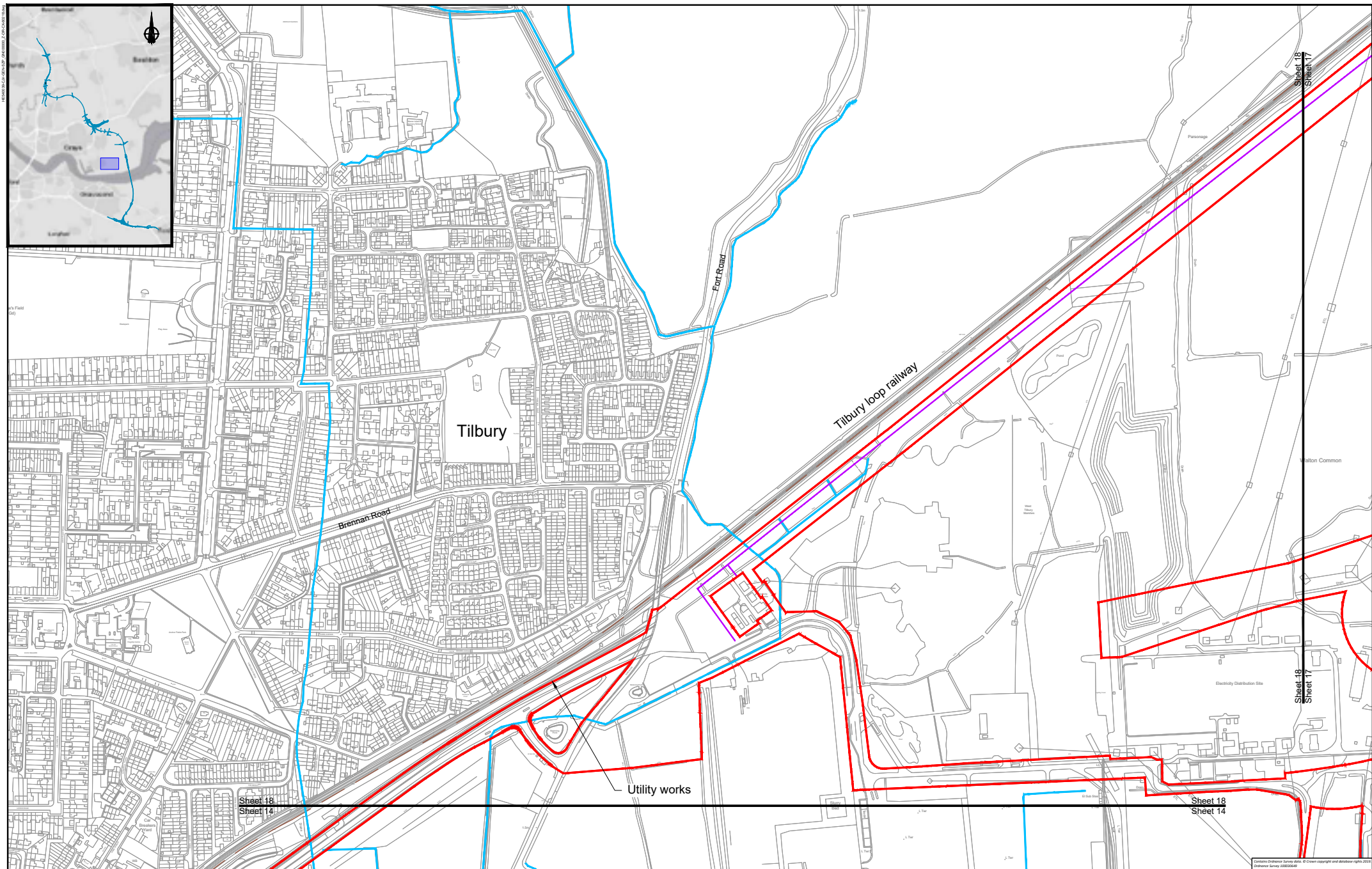
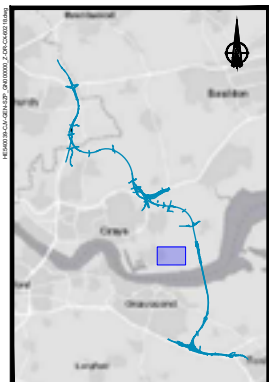


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COMMUNITY IMPACTS CONSULTATION**

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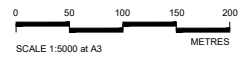


Sheet 18
Sheet 14

Utility works

Sheet 18
Sheet 14

Sheet 18
Sheet 17



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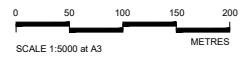
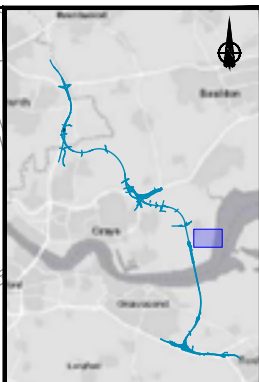
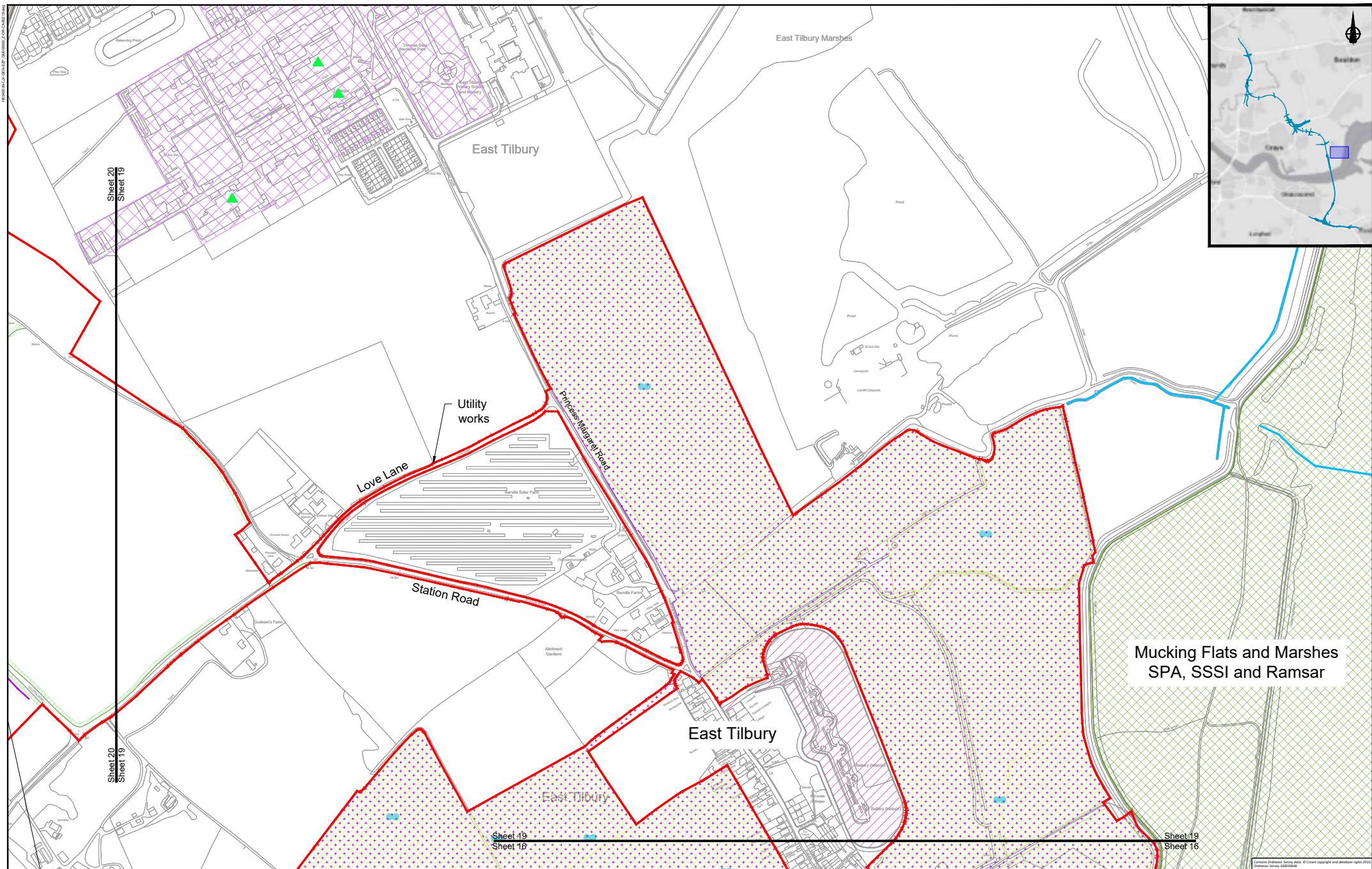


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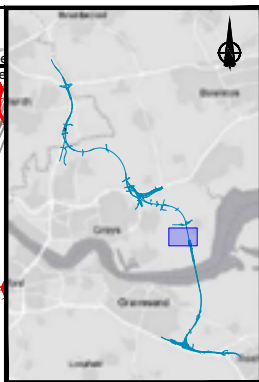
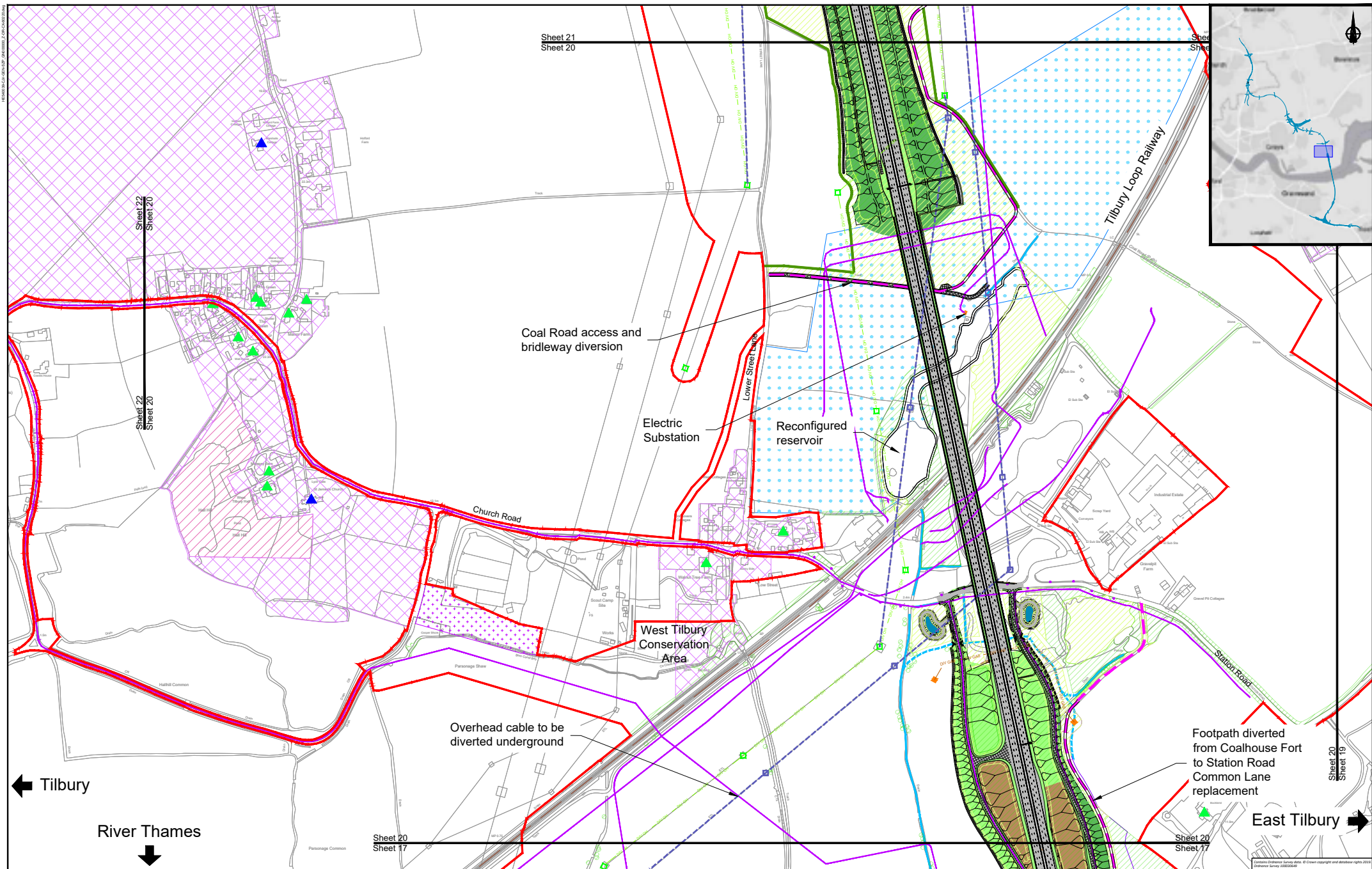
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Sheet 21
Sheet 20

Sheet 22
Sheet 20

Sheet 20
Sheet 17

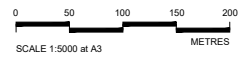
Sheet 20
Sheet 17

Sheet 20
Sheet 19

← Tilbury

River Thames
↓

East Tilbury →



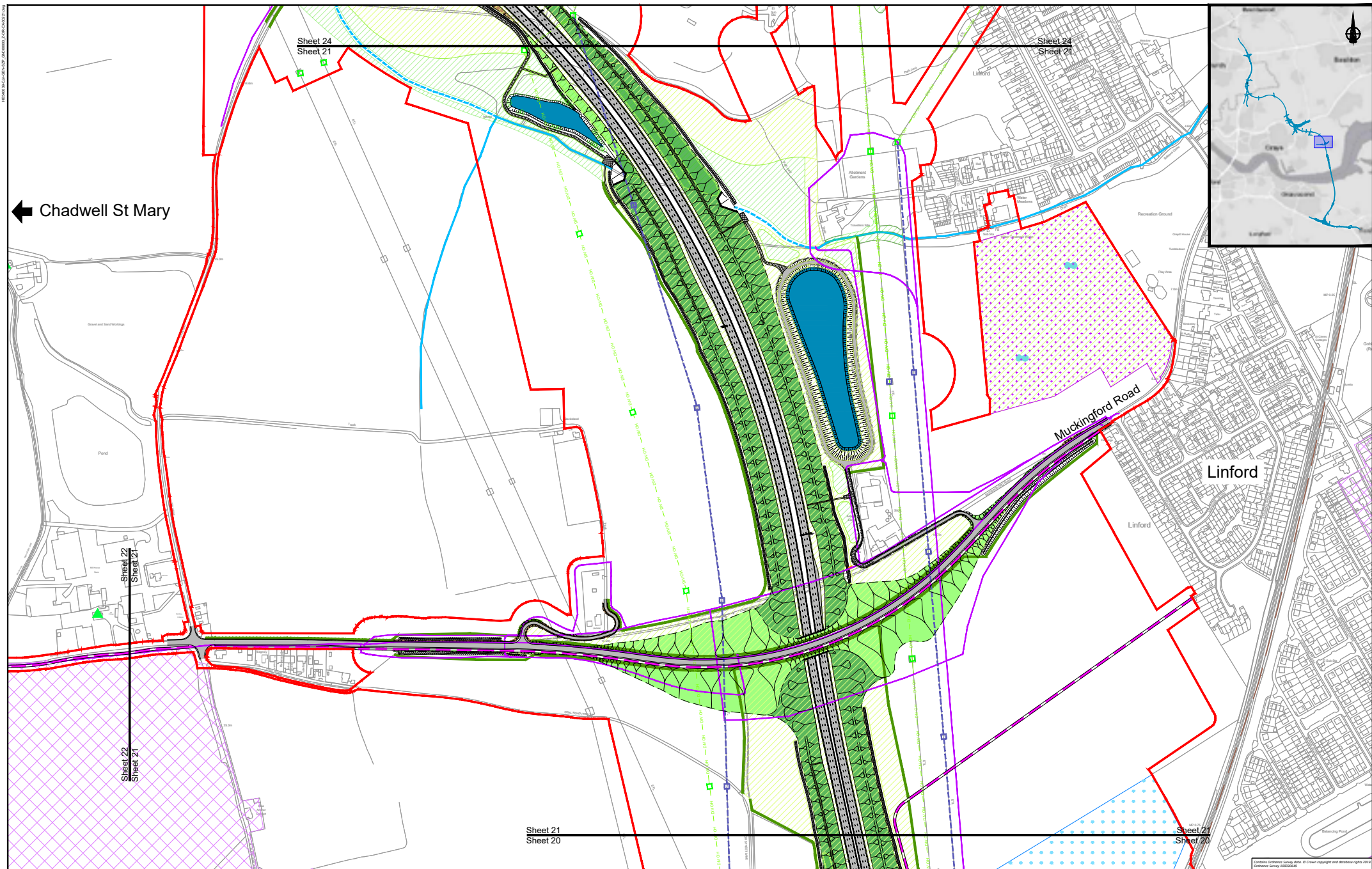
highways
england

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**GENERAL ARRANGEMENT PLAN
SHEET 20**

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← Chadwell St Mary

Muckingford Road

Linford

Sheet 22
Sheet 21

Sheet 24
Sheet 21

Sheet 24
Sheet 21

Sheet 21
Sheet 20

Sheet 21
Sheet 20



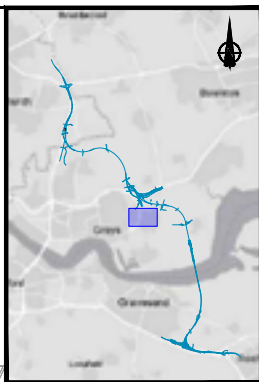
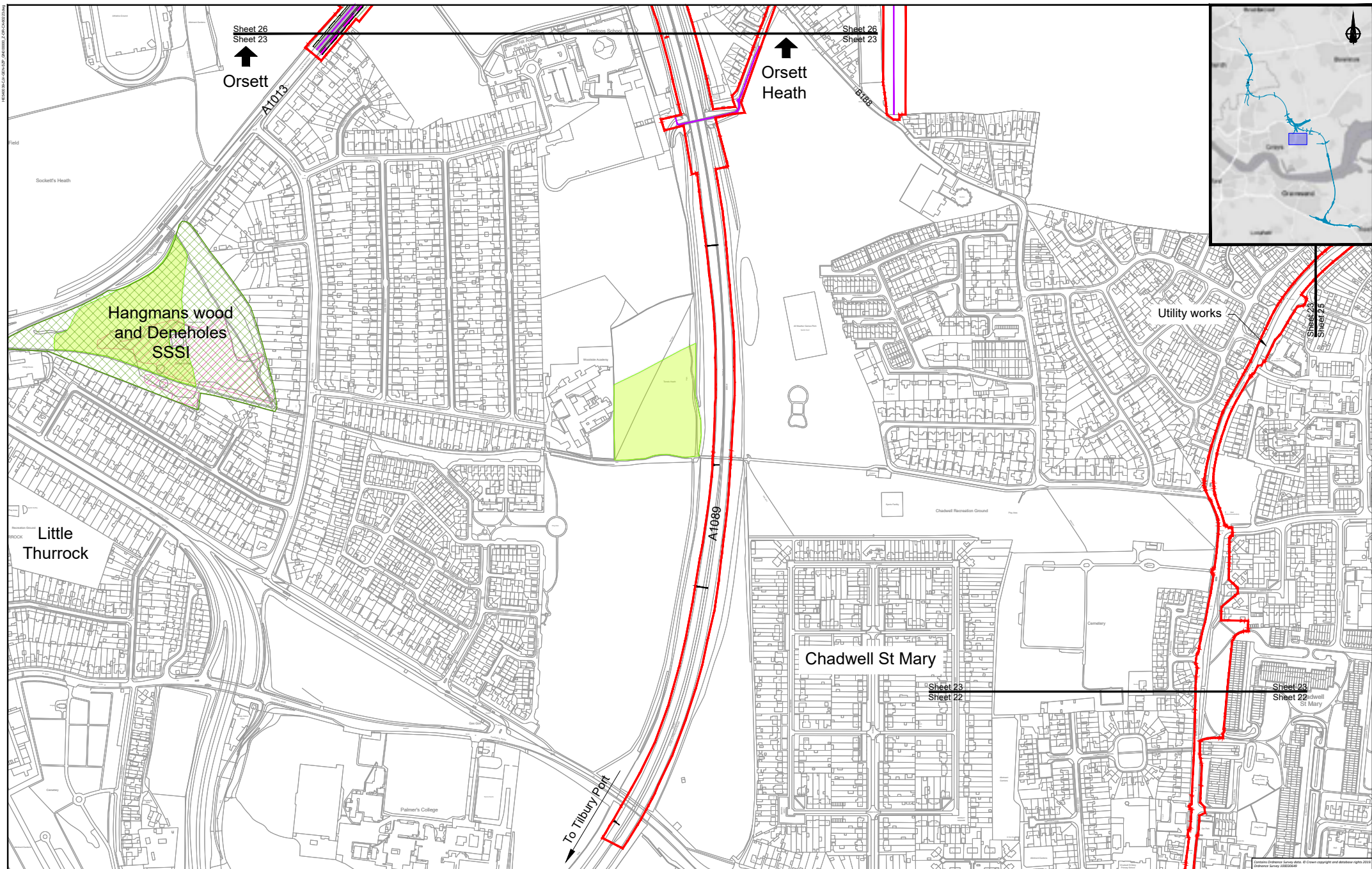
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SHEET 21

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Sheet 26
Sheet 23
↑
Orsett

Sheet 26
Sheet 23
↑
Orsett Heath

Hangmans wood
and Deneholes
SSSI

Little
Thurrock

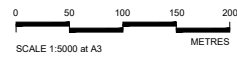
Chadwell St Mary

Utility works

↓
To Tilbury Port

Sheet 23
Sheet 22

Sheet 23
Sheet 22



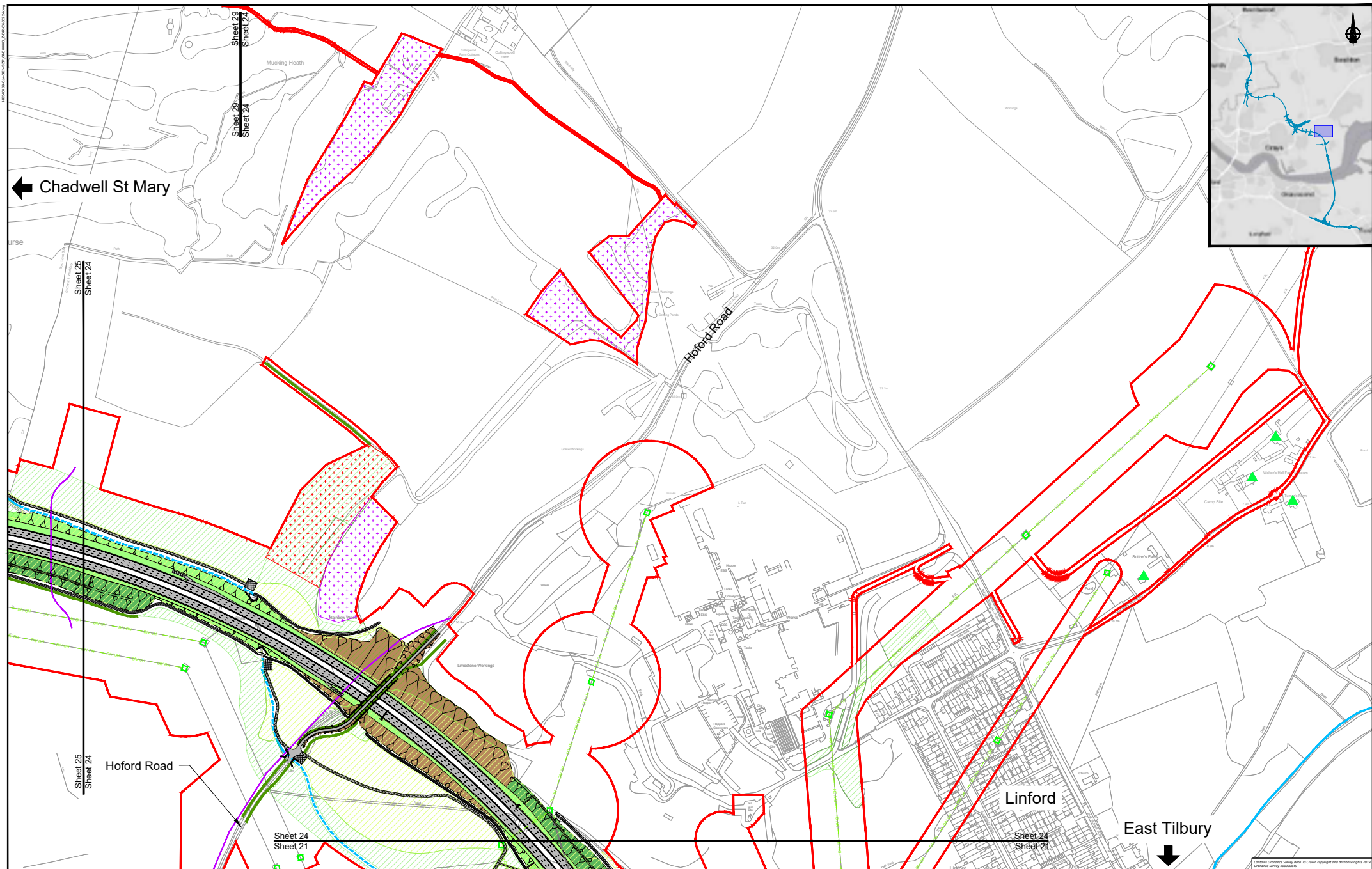
PROPOSALS FOR
CONSULTATION

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Drawing title
GENERAL ARRANGEMENT PLAN
SHEET 23

HEMOR&CANNON/2016/0003_2016/0003/0003

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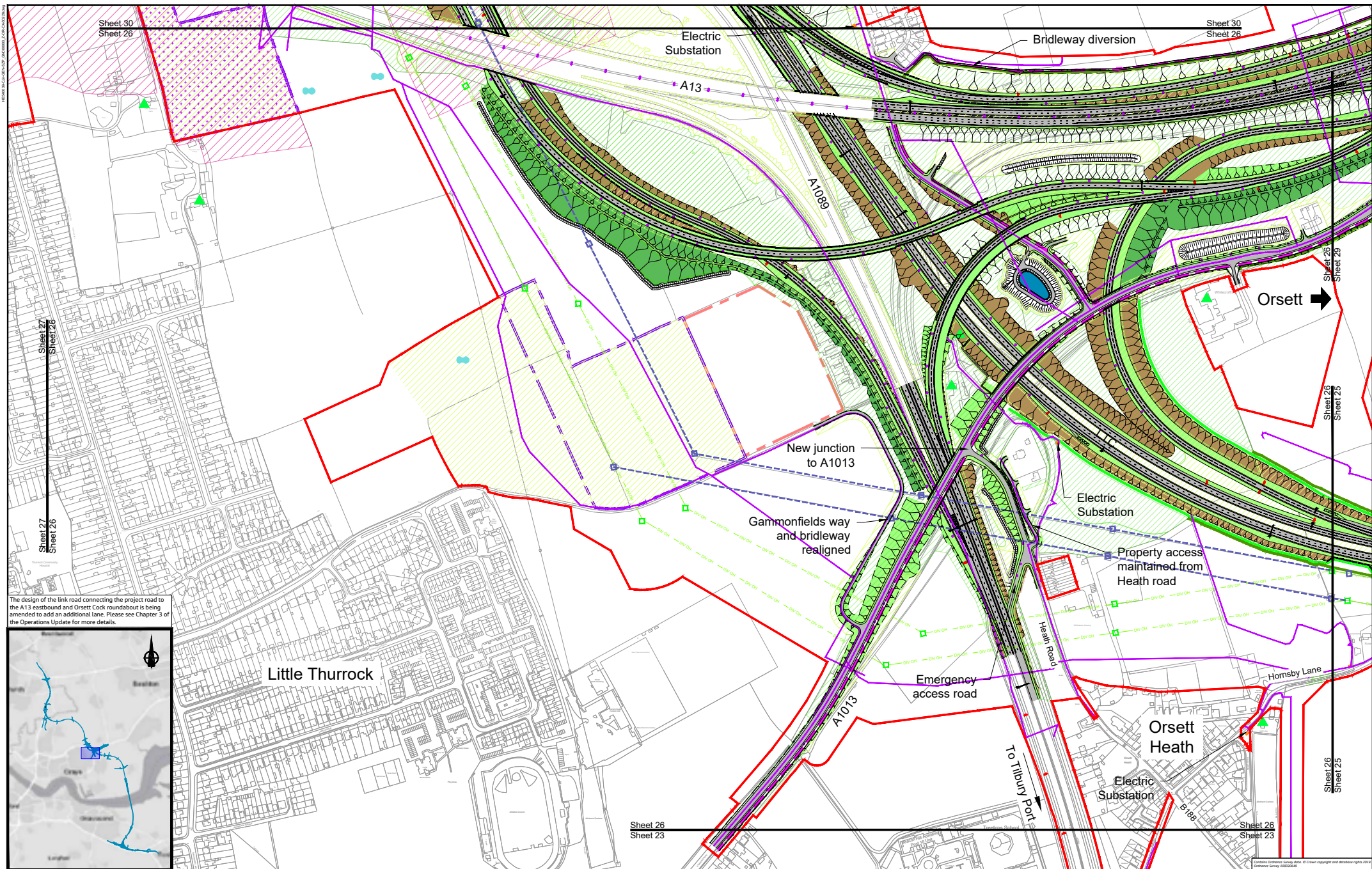
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PROPOSALS FOR CONSULTATION

Project **LOWER THAMES CROSSING COMMUNITY IMPACTS CONSULTATION**

Drawing title **GENERAL ARRANGEMENT PLAN SHEET 24**



The design of the link road connecting the project road to the A13 eastbound and Orsett Cock roundabout is being amended to add an additional lane. Please see Chapter 5 of the Operations Update for more details.

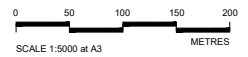


Little Thurrock

Orsett Heath

Sheet 26
Sheet 23

Sheet 26
Sheet 23



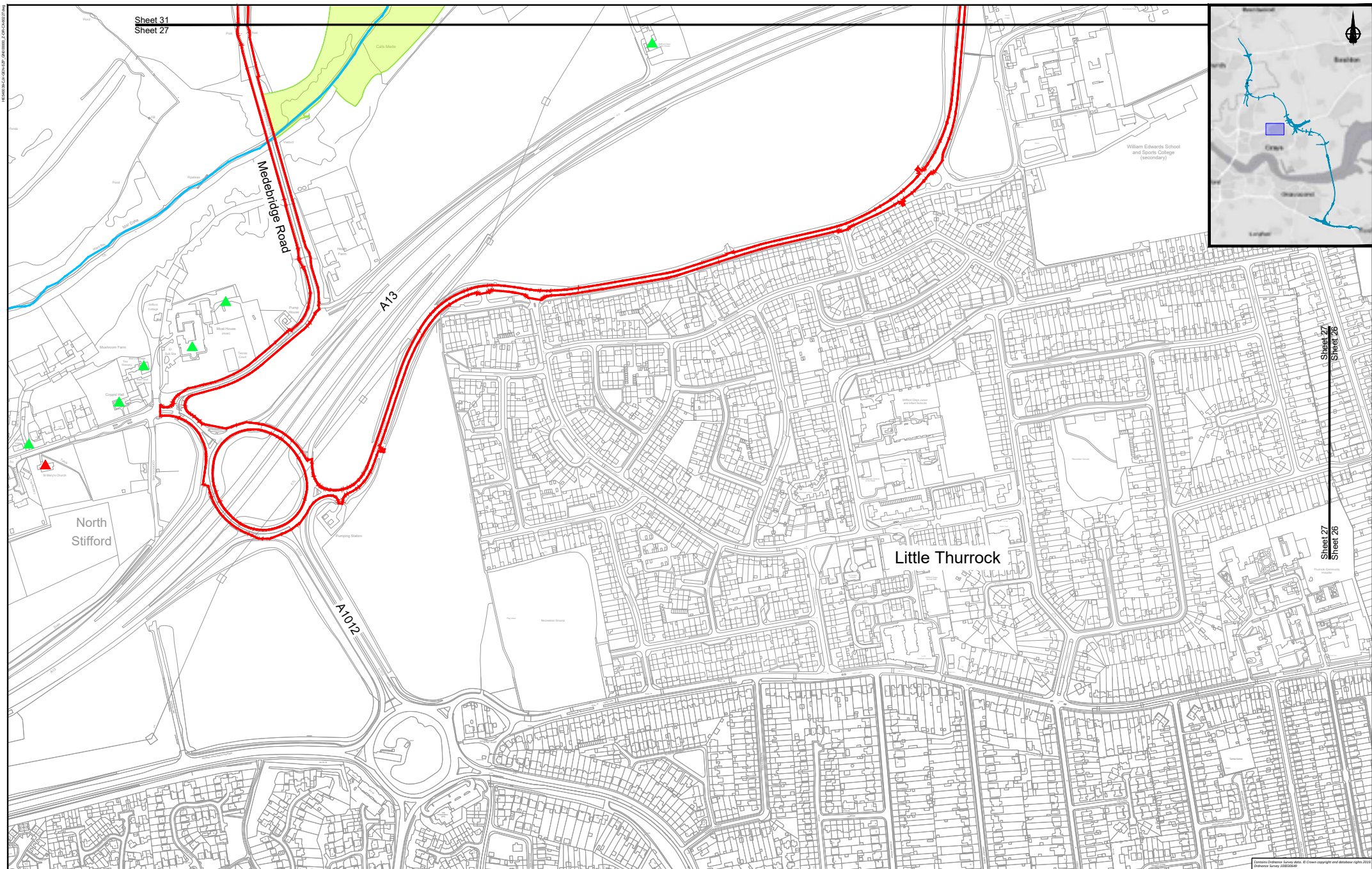
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PROPOSALS FOR CONSULTATION

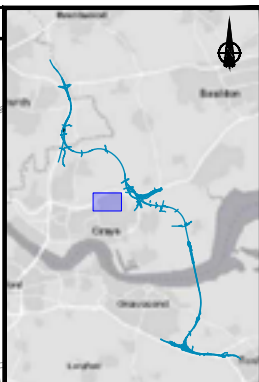
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Drawing title **GENERAL ARRANGEMENT PLAN SHEET 26**

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Sheet 31
Sheet 27



Sheet 27
Sheet 26

North
Stifford

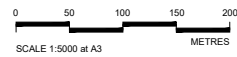
Little Thurrock

Mepebridge Road

A13

A1012

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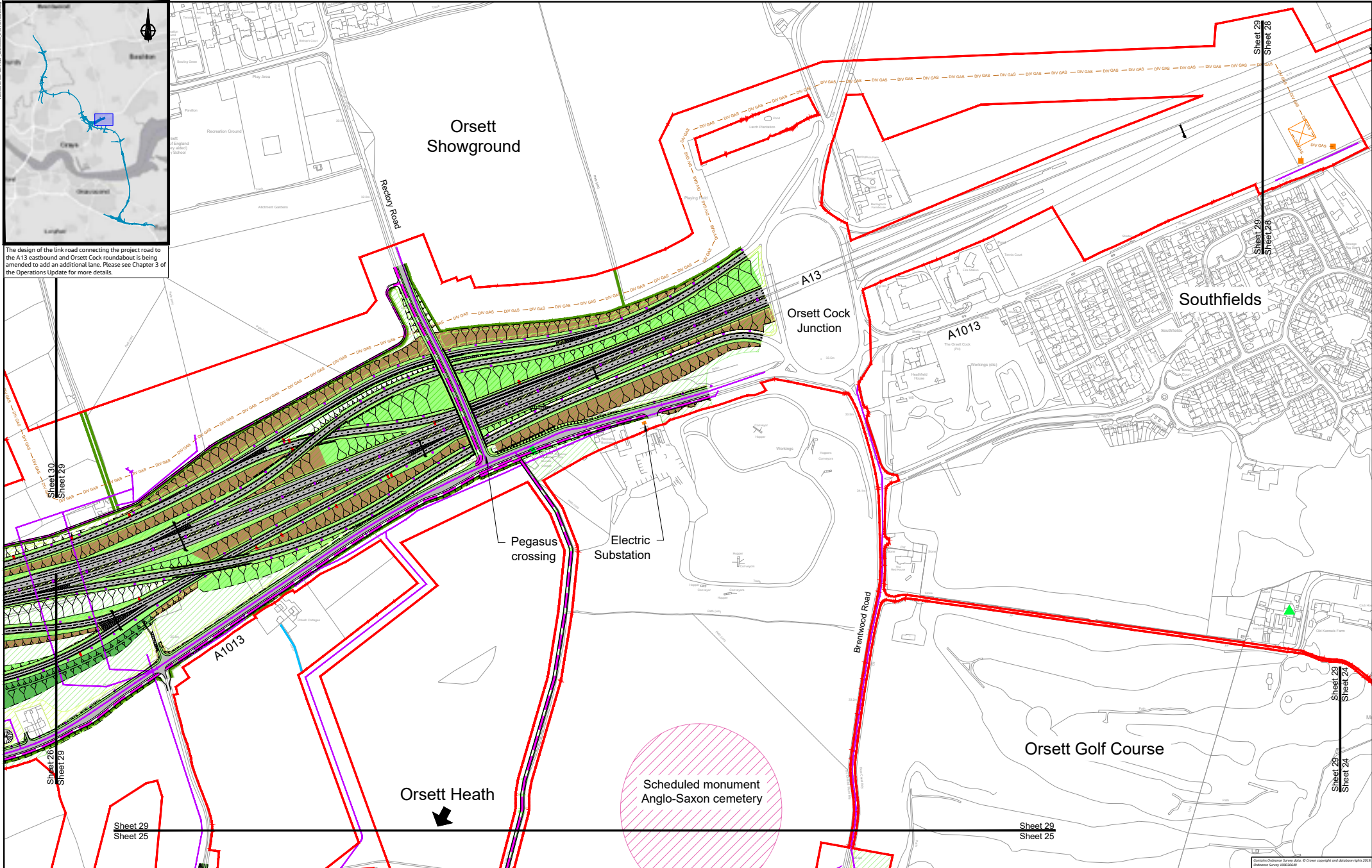
PROPOSALS FOR
CONSULTATION

Project LOWER THAMES CROSSING
COMMUNITY IMPACTS CONSULTATION
Drawing title

GENERAL ARRANGEMENT PLAN
SHEET 27



The design of the link road connecting the project road to the A13 eastbound and Orsett Cock roundabout is being amended to add an additional lane. Please see Chapter 3 of the Operations Update for more details.

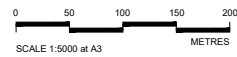


Sheet 29
Sheet 25

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Sheet 29
Sheet 24

Sheet 29
Sheet 28



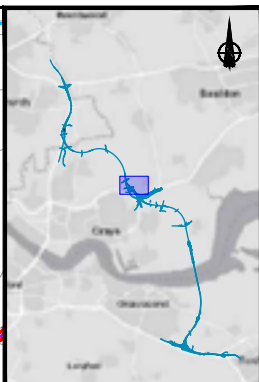
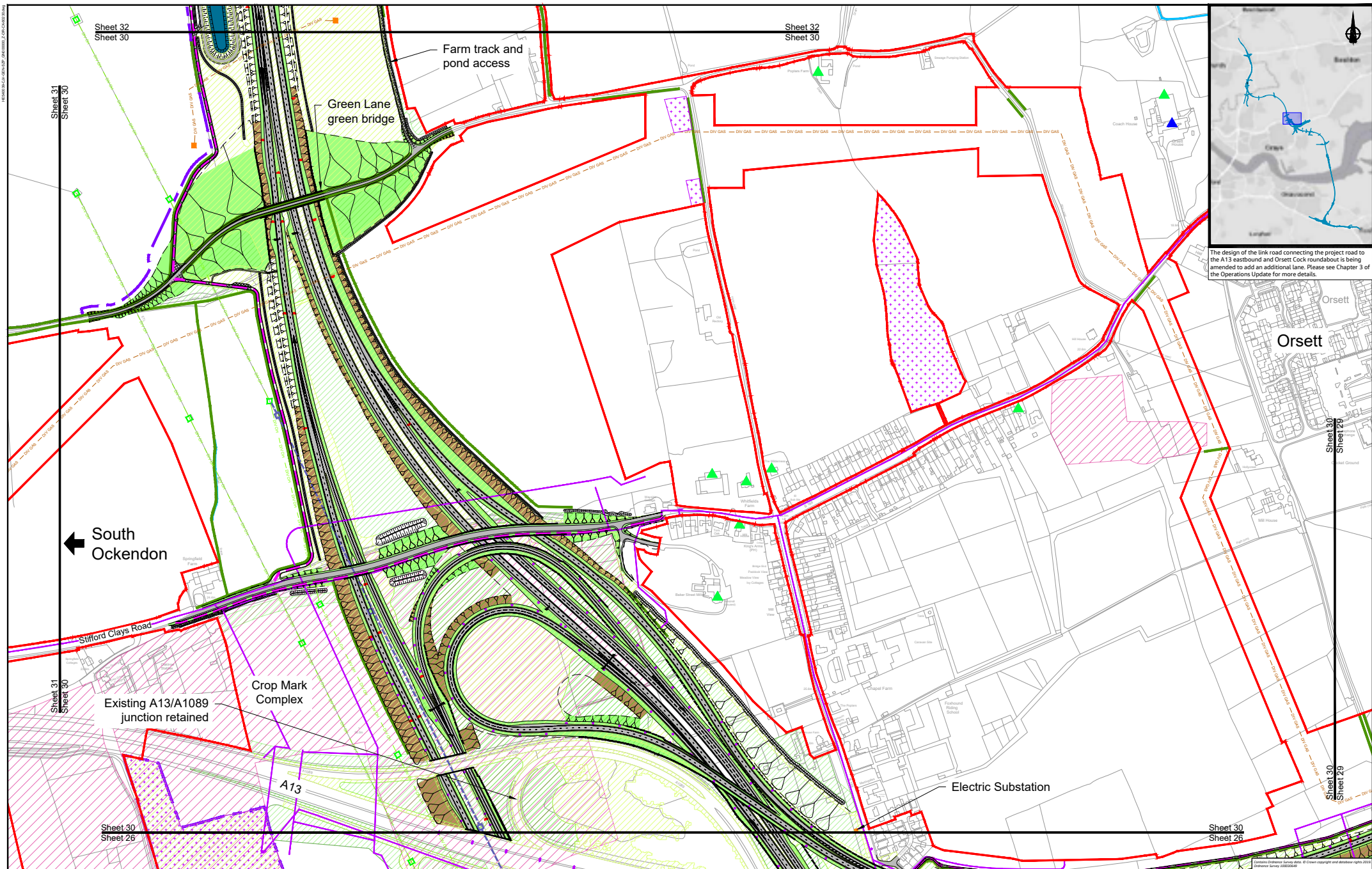
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Project **LOWER THAMES CROSSING**
COMMUNITY IMPACTS CONSULTATION

Drawing title **GENERAL ARRANGEMENT PLAN**
SHEET 29

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The design of the link road connecting the project road to the A13 eastbound and Orsett Cock roundabout is being amended to add an additional lane. Please see Chapter 3 of the Operations Update for more details.

← South Ockendon

Sheet 30
Sheet 29

Sheet 30
Sheet 29

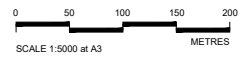
Sheet 32
Sheet 30

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Sheet 31
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Sheet 30
Sheet 26

Sheet 30
Sheet 26



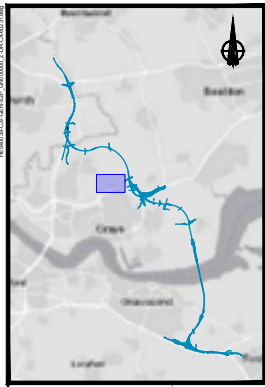
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PROPOSALS FOR CONSULTATION

Project **LOWER THAMES CROSSING COMMUNITY IMPACTS CONSULTATION**

Drawing title **GENERAL ARRANGEMENT PLAN SHEET 30**

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Sheet 33
Sheet 31

Sheet 33
Sheet 31

Sheet 32
Sheet 31

Sheet 32
Sheet 31

Sheet 31
Sheet 30

Sheet 31
Sheet 30

← South Ockendon

Utility works

Medebridge Road

Grays

Little Thurrock

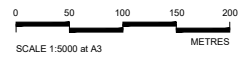
Sheet 31
Sheet 27

A13

Stifford Clays Road

Orsett →

Sheet 31
Sheet 27



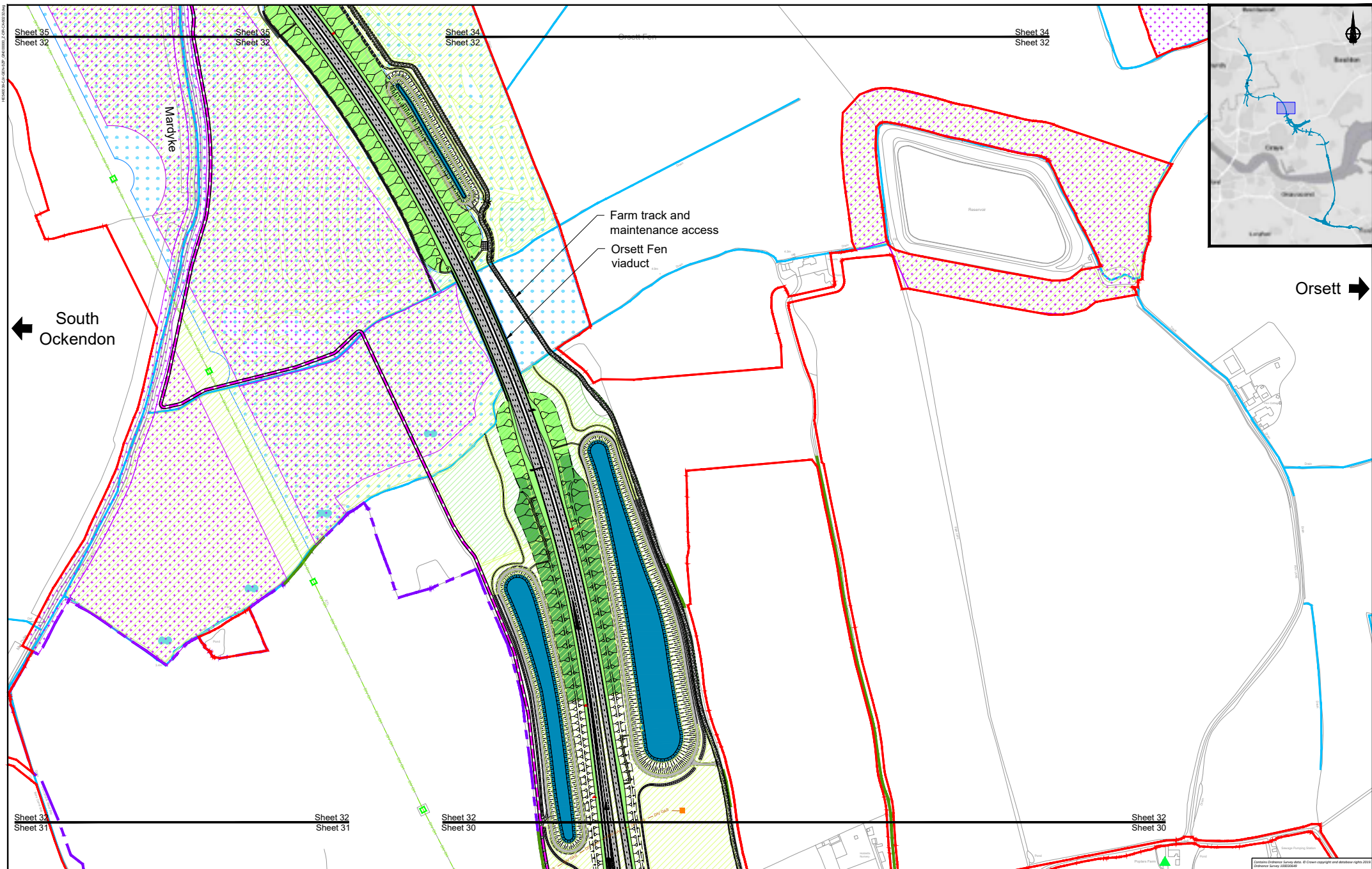
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PROPOSALS FOR CONSULTATION

Project LOWER THAMES CROSSING
COMMUNITY IMPACTS CONSULTATION

Drawing title **GENERAL ARRANGEMENT PLAN**
SHEET 31

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Sheet 35
Sheet 32

Sheet 35
Sheet 32

Sheet 34
Sheet 32

Sheet 34
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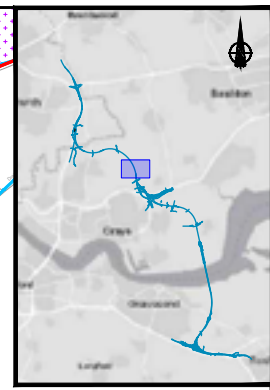
Mardyke

Farm track and
maintenance access

Orsett Fen
viaduct

← South
Ockendon

Orsett →

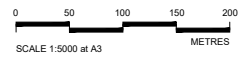


Sheet 32
Sheet 31

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Sheet 30

Sheet 32
Sheet 30



Client

**PROPOSALS FOR
CONSULTATION**

Project

**LOWER THAMES CROSSING
COMMUNITY IMPACTS CONSULTATION**

Drawing title

**GENERAL ARRANGEMENT PLAN
SHEET 32**

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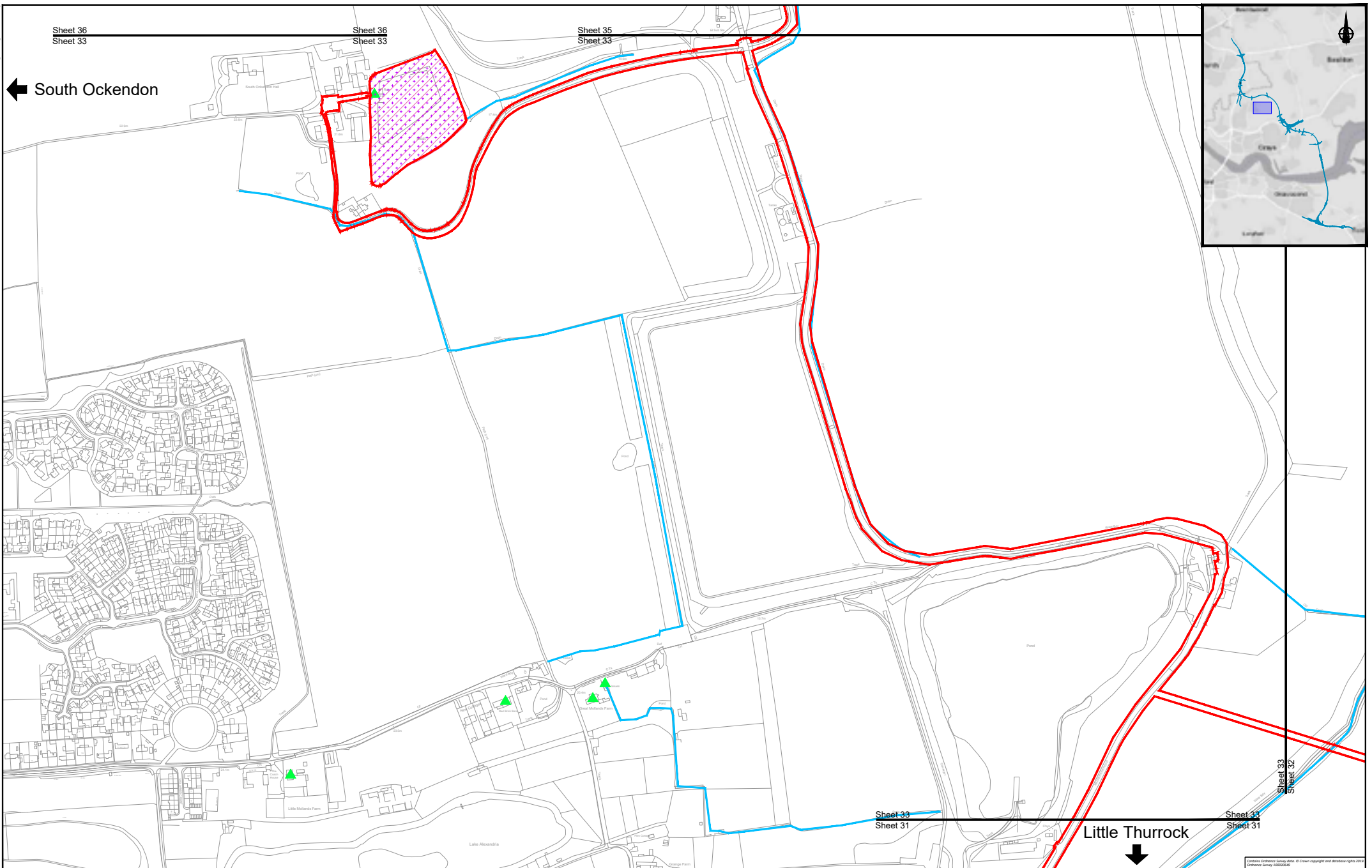
Highways England

Sheet 36
Sheet 33

Sheet 36
Sheet 33

Sheet 35
Sheet 33

← South Ockendon



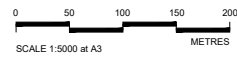
Sheet 33
Sheet 31

Sheet 33
Sheet 31

Little Thurrock

Sheet 33
Sheet 32

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SCALE 1:5000 at A3 METRES

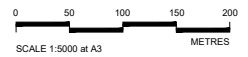
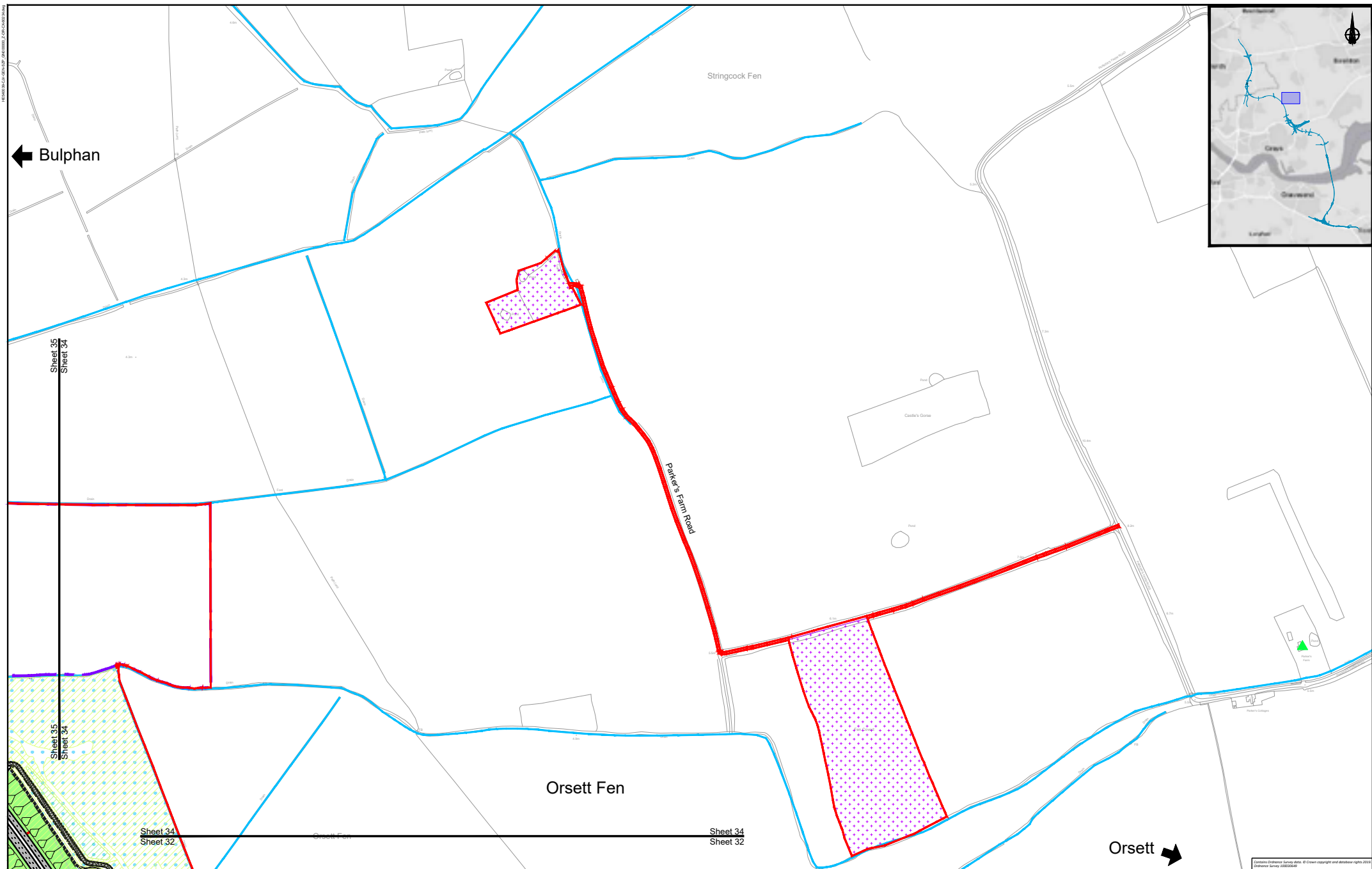


PROPOSALS FOR CONSULTATION

Project LOWER THAMES CROSSING
COMMUNITY IMPACTS CONSULTATION

Drawing title

GENERAL ARRANGEMENT PLAN
SHEET 33



Client

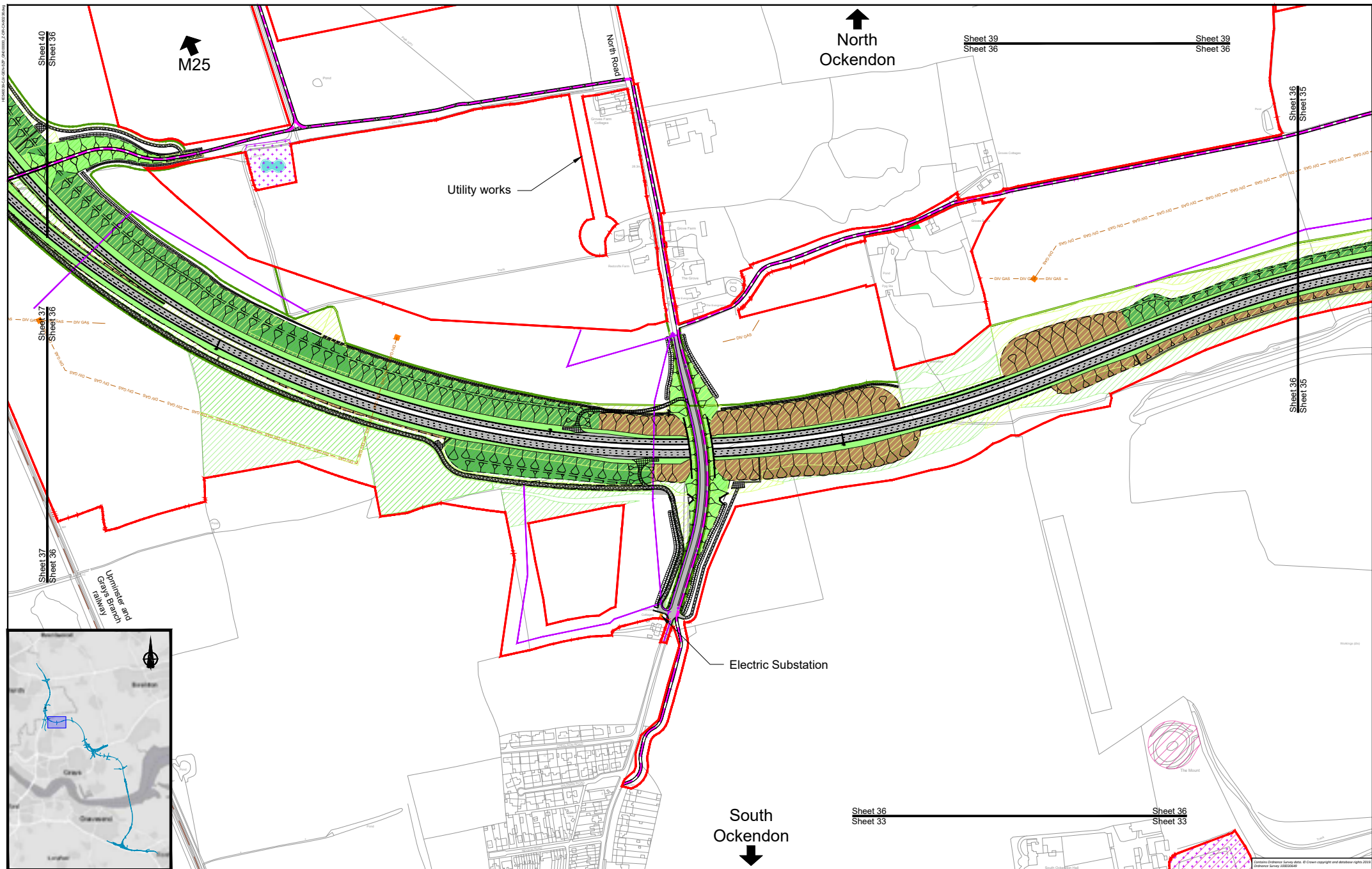


PROPOSALS FOR CONSULTATION

Project LOWER THAMES CROSSING
COMMUNITY IMPACTS CONSULTATION

Drawing title
GENERAL ARRANGEMENT PLAN
SHEET 34

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M25

North
Ockendon

Sheet 39
Sheet 36

Sheet 39
Sheet 36

Sheet 36
Sheet 35

Sheet 36
Sheet 35

Sheet 40
Sheet 36

Sheet 37
Sheet 36

Sheet 37
Sheet 36

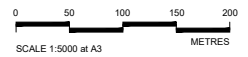
Utility works

Electric Substation

South
Ockendon

Sheet 36
Sheet 33

Sheet 36
Sheet 33



Client

PROPOSALS FOR CONSULTATION

Project

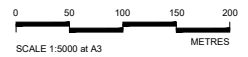
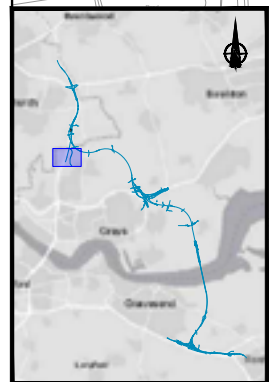
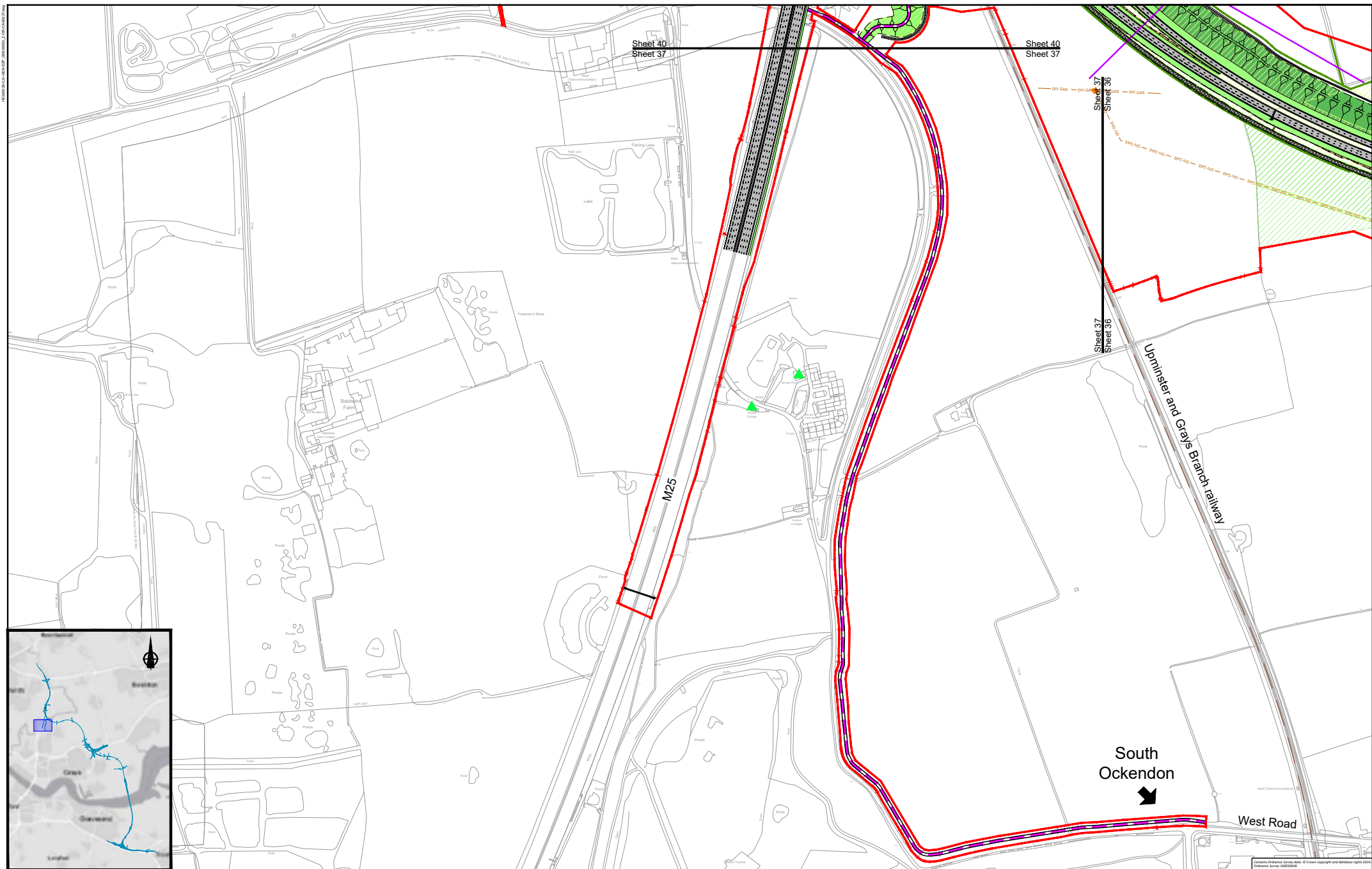
**LOWER THAMES CROSSING
COMMUNITY IMPACTS CONSULTATION**

Drawing title

**GENERAL ARRANGEMENT PLAN
SHEET 36**

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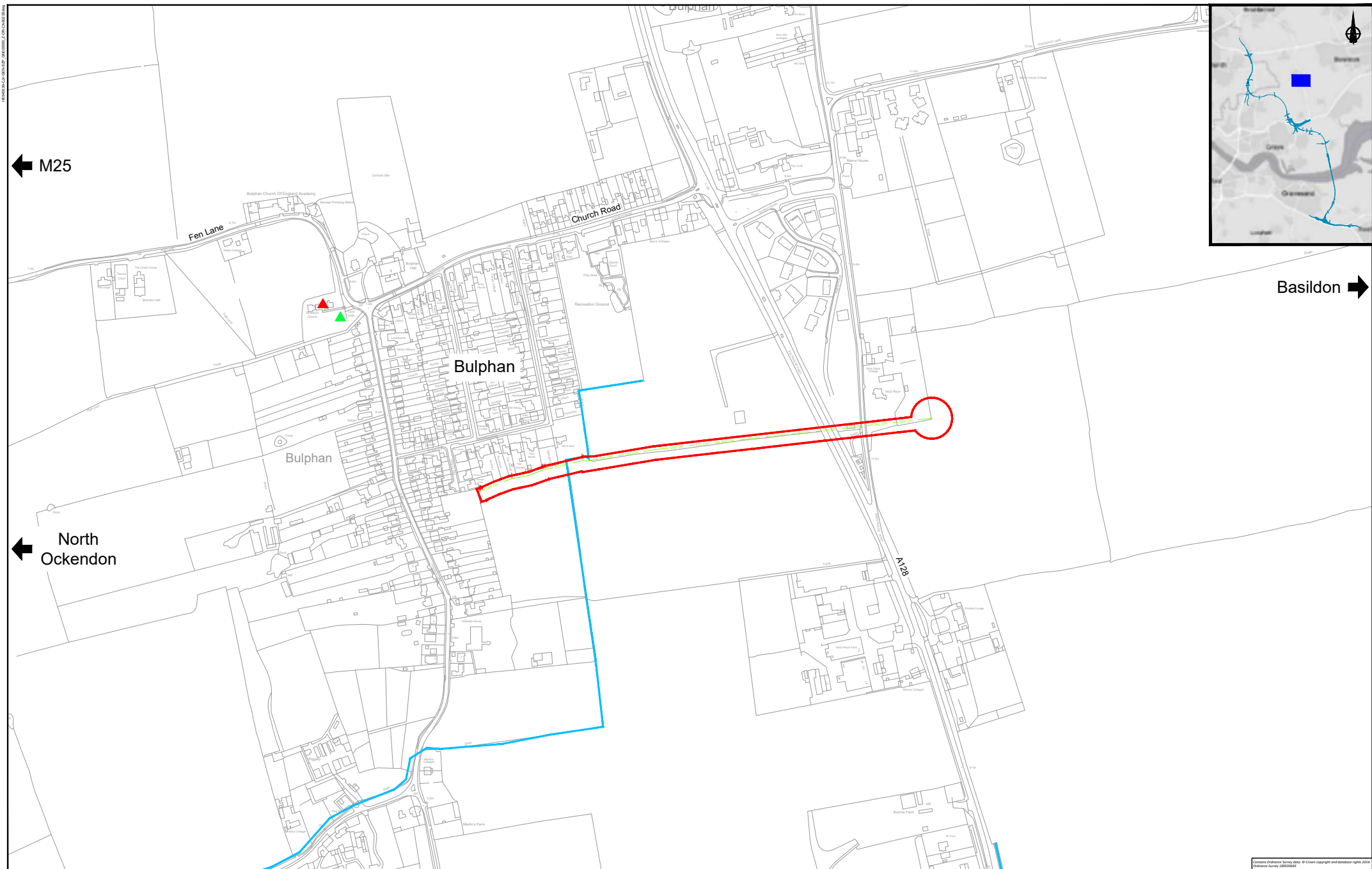
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PROPOSALS FOR CONSULTATION

Project LOWER THAMES CROSSING
COMMUNITY IMPACTS CONSULTATION

Drawing title
GENERAL ARRANGEMENT PLAN
SHEET 37

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← M25

Basildon →

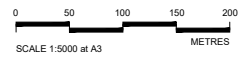
← North Ockendon

Bulphan

Bulphan

A126

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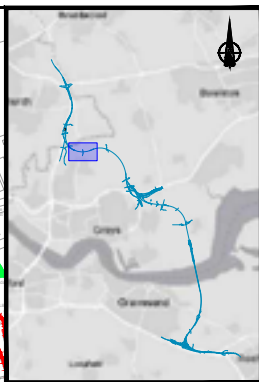
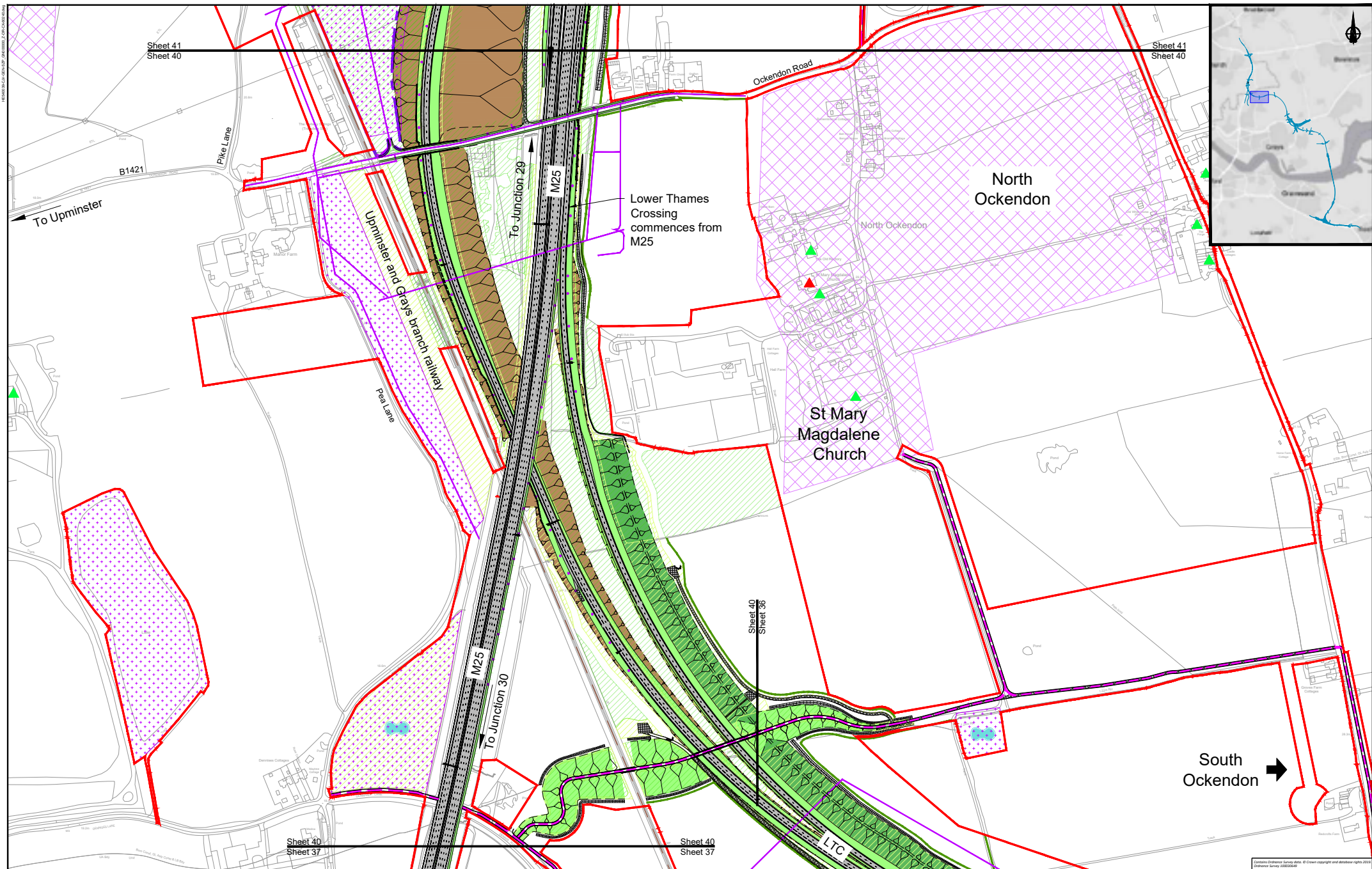


Client

PROPOSALS FOR CONSULTATION

Project LOWER THAMES CROSSING
COMMUNITY IMPACTS CONSULTATION

Drawing title
GENERAL ARRANGEMENT PLAN
SHEET 38



Sheet 41
Sheet 40

Sheet 41
Sheet 40

To Upminster

To Junction 29

Lower Thames Crossing commences from M25

North Ockendon

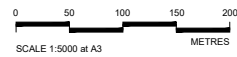
St Mary Magdalene Church

South Ockendon →

Sheet 40
Sheet 37

Sheet 40
Sheet 37

Sheet 40
Sheet 36

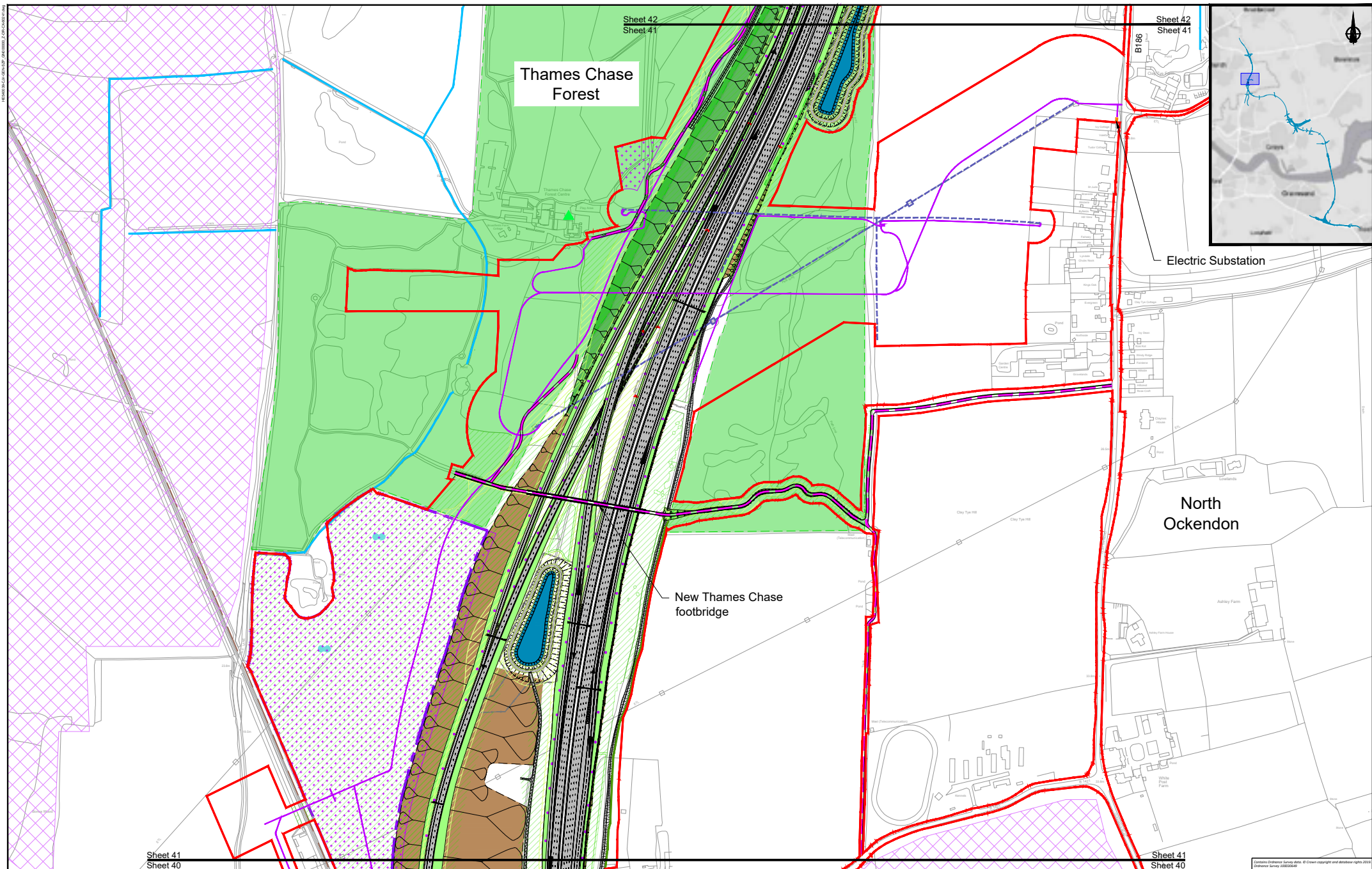


PROPOSALS FOR CONSULTATION

Project LOWER THAMES CROSSING
COMMUNITY IMPACTS CONSULTATION

Drawing title GENERAL ARRANGEMENT PLAN
SHEET 40

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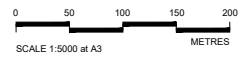


Sheet 41
Sheet 40

Sheet 42
Sheet 41

Sheet 42
Sheet 41

Sheet 41
Sheet 40



Client 

PROPOSALS FOR CONSULTATION

Project LOWER THAMES CROSSING
COMMUNITY IMPACTS CONSULTATION

Drawing title **GENERAL ARRANGEMENT PLAN**
SHEET 41

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Sheet 43
Sheet 42

← Cranham

Upminster and Grays branch railway

B187

Cranham Golf Course

Thames Chase Forest

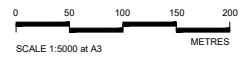
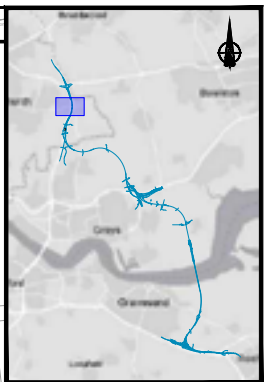
Sheet 42
Sheet 41

St Marys Lane

B186

North Ockendon

Sheet 42
Sheet 41

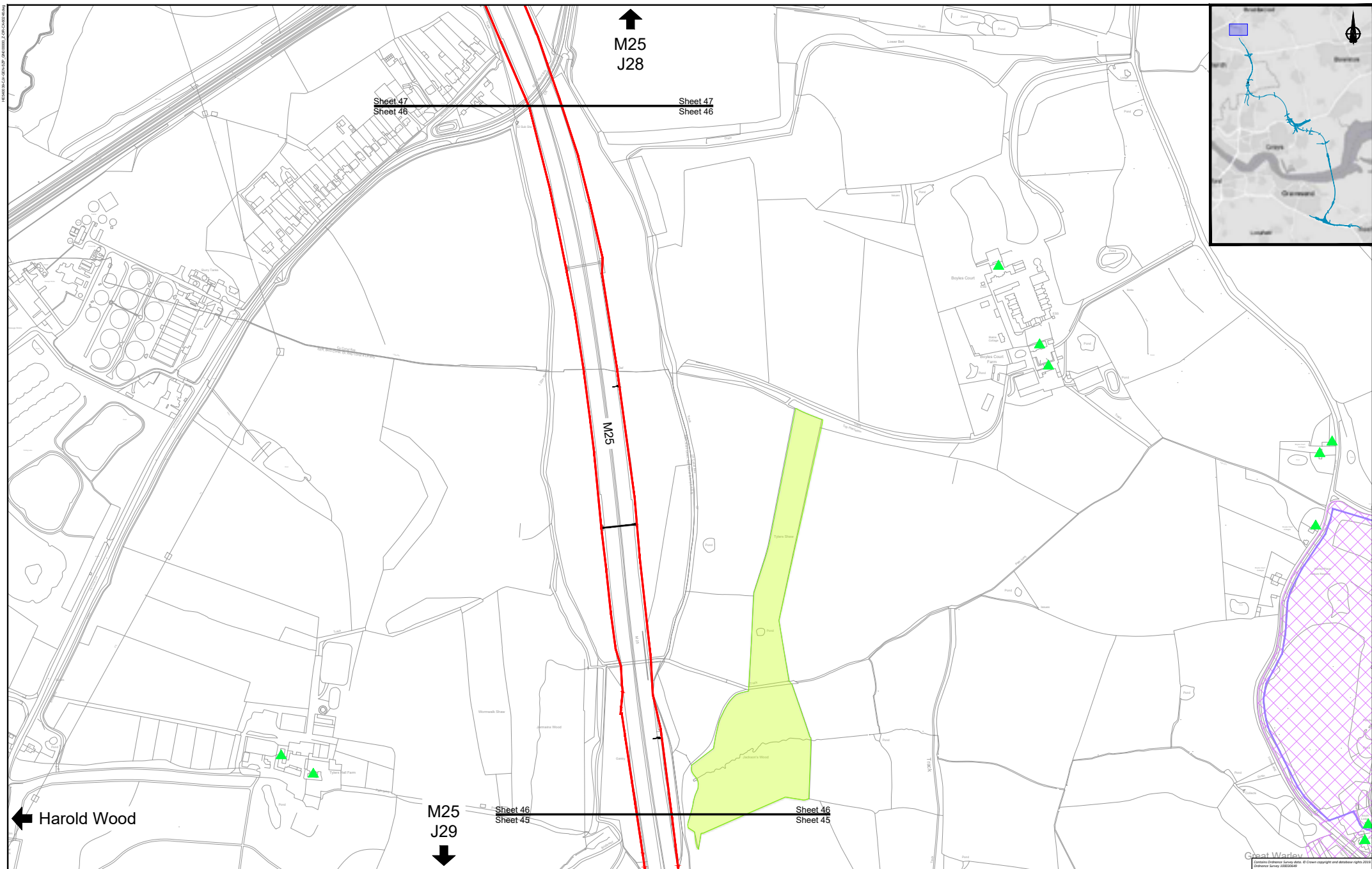


PROPOSALS FOR CONSULTATION

Project LOWER THAMES CROSSING
COMMUNITY IMPACTS CONSULTATION
Drawing title

GENERAL ARRANGEMENT PLAN
SHEET 42

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↑
M25
J28

Sheet 47
Sheet 46

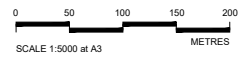
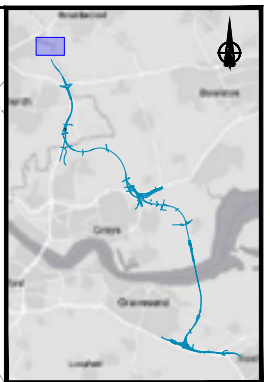
Sheet 47
Sheet 46

M25

← Harold Wood
M25
J29
↓

Sheet 46
Sheet 45

Sheet 46
Sheet 45



Client

PROPOSALS FOR CONSULTATION

Project LOWER THAMES CROSSING
COMMUNITY IMPACTS CONSULTATION

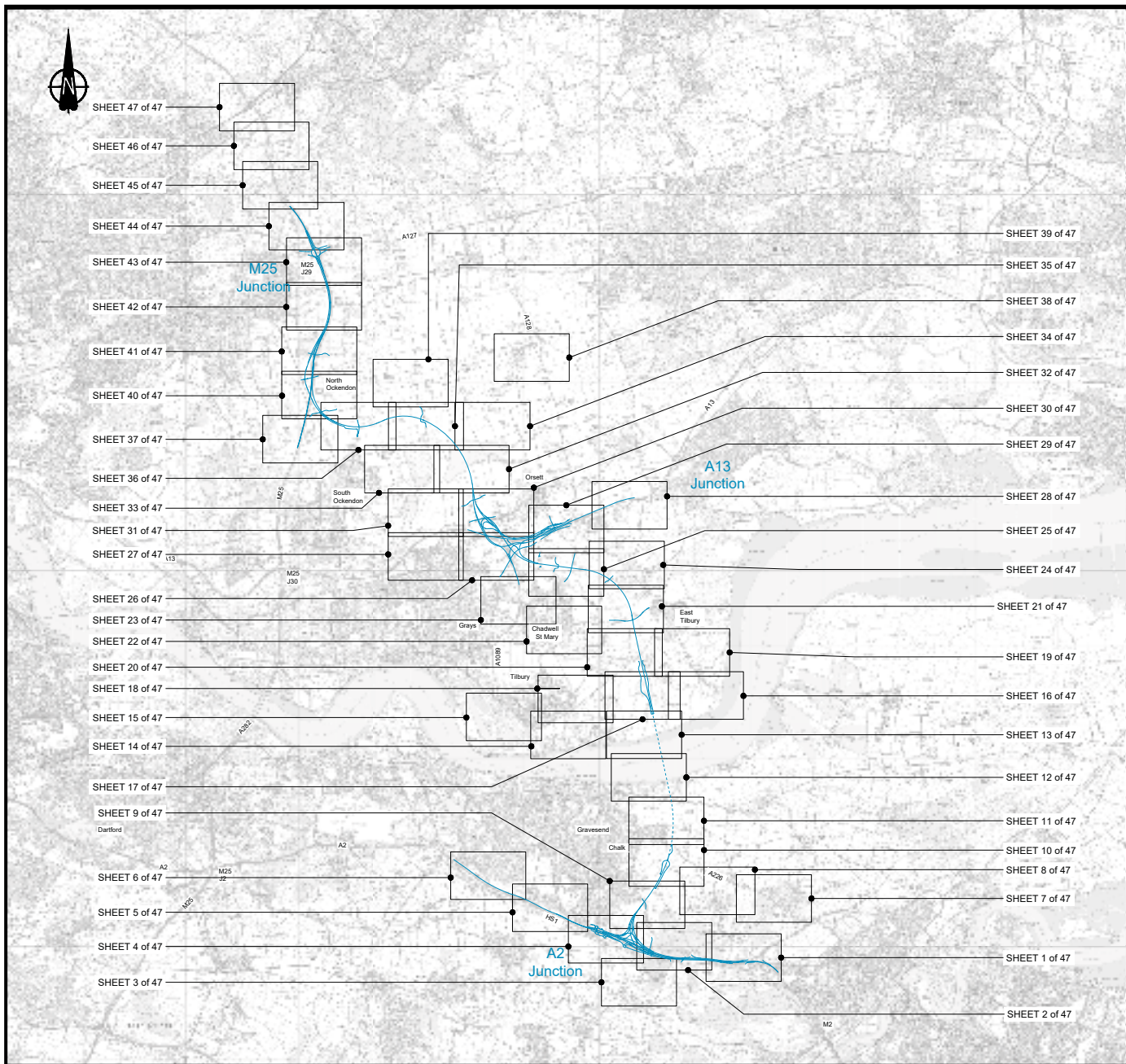
Drawing title

GENERAL ARRANGEMENT PLAN

SHEET 46

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Great Warley
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ENGINEERING AND CONSTRUCTION		EXISTING ENVIRONMENTAL FEATURES	
	New Carriageway		Grade I listed building
	Railway line		Grade II listed building
	Overbridge		Grade II* listed building
	Underpass		Area of Outstanding Natural Beauty (AONB)
	Culvert		Site of Special Scientific Interest (SSSI)
	Traffic sign		Ancient Woodland
	Gantry		Conservation Area
	Lighting		Scheduled monument
	Pond		Community Forest
	Footpath, Cycleway or Bridleway route		Watercourse
	Tunnel	PROPOSED ENVIRONMENTAL MITIGATION	
	Earthworks - Cutting		Open space provision, replacement open space and replacement common land
	Earthworks - Embankment		Proposed woodland planting
	Earthworks - Flood protection bund/false cutting		Proposed woodland planting
	Verge		Proposed grassland planting
	Retaining wall		Potential receptor site for ancient woodland compensation
	Maintenance access		Potential receptor site for translocation of protected species
	Ground protection tunnel		Ecology protection measures
	Green Roof for Tunnel Buildings		Flood Compensation Area
UTILITIES			Hedgerow
	Underground multiutility alignment		Watercourse diversion
	Realigned Gas	BOUNDARIES	
	Realigned or modified overhead cable		Order Limits
	Maximum length of OHL to be removed		Registered park or garden
	Diversion ties into existing Gas Compound or Electricity substation		Relocated Travellers site

LEGEND:
 Lower Thames Crossing
 Lower Thames Crossing in tunnel

	Client	Project	LOWER THAMES CROSSING COMMUNITY IMPACTS CONSULTATION
	Drawing title		GENERAL ARRANGEMENT KEY PLAN AND LEGEND
PROPOSALS FOR CONSULTATION			

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Lower Thames Crossing
Map Book 2: Land Use Plans

Lower Thames Crossing map books

The three map books for the community impacts consultation contain plans of our proposals, under the following headings:

- Map book 1: General Arrangements (layout plans)
- Map book 2: Land Use Plans
- Map book 3: Engineering Plans

The orientation of Map Books 1 and 2 has been updated to enable all drawings to have a north up orientation.

These plans also show the changes we have made since our design refinement consultation last year and are published for the purposes of this consultation. Following this consultation, we will consider the feedback received and use that to inform our Development Consent Order (DCO) application, which we plan to submit to the Planning Inspectorate later this year.

The plans run from the A2 in the south to the M25 in the north. Identically numbered sheets in the Map Books 1 and 2 show the same area. For example sheet 3 shows the A2/LTC junction in Map Books 1 and 2.

Map Book 1: General Arrangements

The General Arrangements show the proposed layout of the project, including:

- Permanent works; new roads, earthworks and roadside features
- Construction compounds
- Environment mitigation; landscaping and tree planting
- Utilities diversions
- Order Limits (previously known as the development boundary)
- Open space and replacement land

NB: The key plans show the relative location of each drawing sheet within the map book and the area they cover. On sheets where there is no information on the key plans, this represents drawings where works are being carried out away from the main route alignment.

Map Book 2: Land Use Plans

The land use plans show the areas of land we are seeking powers to compulsorily acquire or to acquire rights on, under or over. They also show the land we require temporary powers to use, to construct and operate the project. Areas we may need to purchase interests or rights over include the land required for the permanent works, temporary works, compensation land and replacement land.

Permanent works

Compulsory purchase of land or compulsory acquisition of rights will be required for the route of the road, to re-connect local roads and for associated structures like drainage ponds and the tunnel control building. In some land parcels, only the acquisition of subsoil will be required. For example, the construction of the tunnel beneath the River Thames.

Temporary works

Temporary use of land is needed for the project's construction works and to provide sufficient space to do so safely. The land use plans show land that may be required temporarily for the main construction compounds at the tunnel entrances north and south of the River Thames, and at various locations along the route. We will also require permanent and temporary rights over land to divert utilities such as gas pipelines, electricity cables and water pipes.

Compensation land

Compensation land may include environmental protection measures such as habitat creation and flood compensation. This land may also need to be permanently acquired or be subject to permanent rights.

Replacement land

Land is also included in respect of the replacement of special category land such as open space, or common land which is being compulsorily acquired or in respect of which permanent rights are sought.

Map Book 3: Engineering Plans

This book contains engineering drawings in the following order:

- The plan and profile drawings which detail the vertical and horizontal road alignment
- The junction arrangements showing the proposed layout
- The cross sections throughout the route showing the lanes and earthworks

The plan and profile drawings show the highway details of the route in plan and profile (level above or below existing ground). The drawings are split into two views with the plan on the top and profile underneath.

The profile gives the road level in relation to existing ground at a given chainage*. An exaggerated scale is used in the profile to help show the differences in levels and gradients of the design. The profile also shows where existing roads and public rights of way cross over or under the route.

All levels are given in relation to the Above Ordnance Datum level** the profile reference level might be different on each drawing.

* Chainage measures the distance along the route in metres.

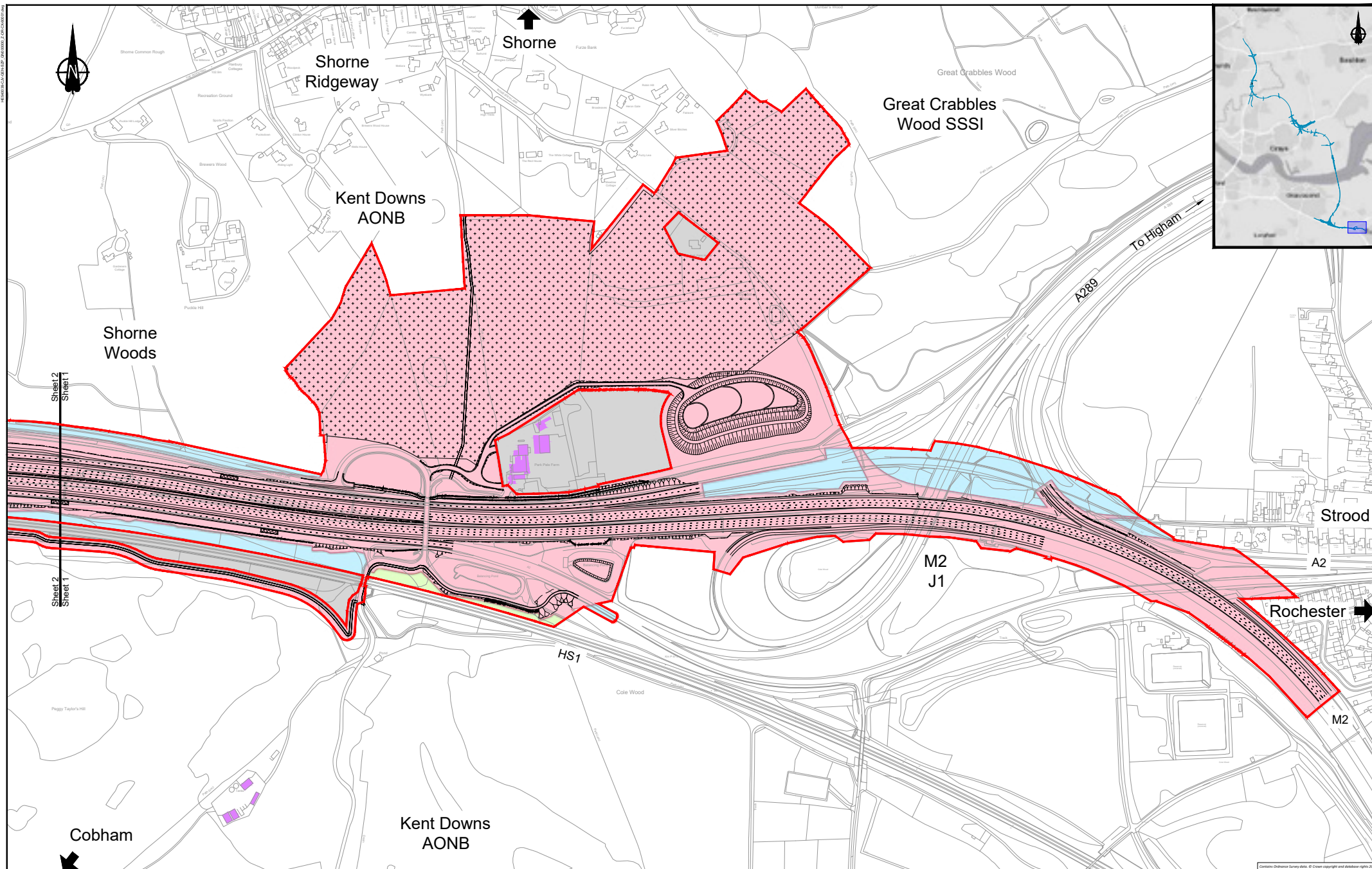
** Above Ordnance Datum level (AOD) is a measurement above mean sea level taken from a reference point at Newlyn in Cornwall.

Large maps

Large maps that cover a greater area have also been produced, which detail the following:

- Environmental constraints – 1 sheet
- Land use – 6 sheets
- Operation (General Arrangements – 6 sheets larger coverage)
- Construction (Compounds and Access - 6 sheets)
- General Arrangement (full route) – 1 sheet
- Aerial view of the proposed LTC route – 1 sheet

Main works access routes shown on these maps represent a snapshot in time. They will evolve in line with the surrounding works.



LEGEND:

Flood compensation area	Permanent Acquisition of Subsoil and Rights
Order limits	Permanent Acquisition of Land
Environmental mitigation	Temporary Possession of Land Only
Building requiring demolition	Temporary Possession of Land and Permanent Acquisition of Rights
Building access affected/building partially affected	Permanent Acquisition of Subsoil and Rights and Temporary Possession of Land at Surface
	Land not included within the Order limits

NOTES:

1. Refer to the General Arrangement map book for open space provision, replacement open space and replacement common land.

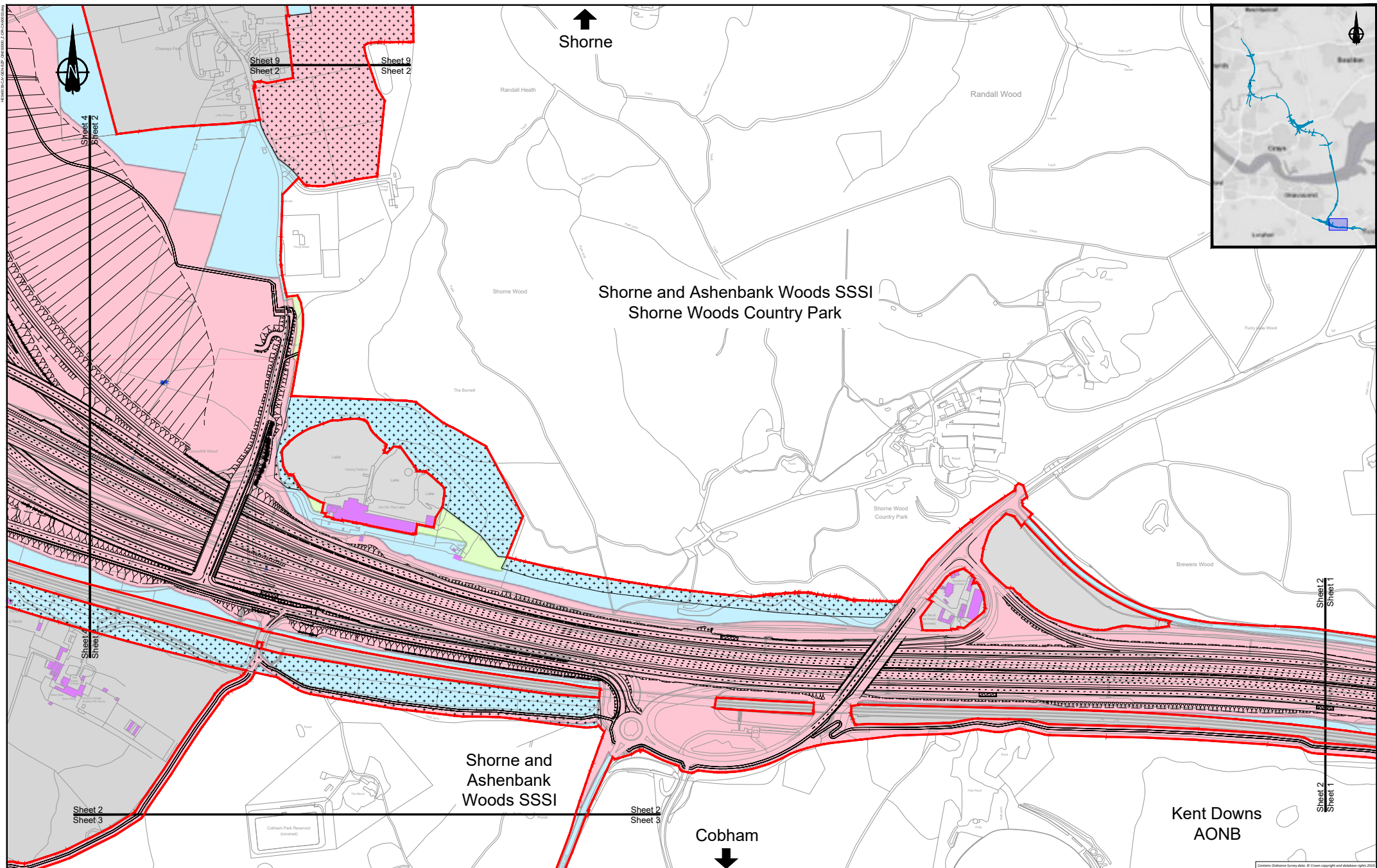


Client

PROPOSALS FOR CONSULTATION

Project **LOWER THAMES CROSSING**
COMMUNITY IMPACTS CONSULTATION

Drawing title **LAND USE PLAN**
SHEET 1

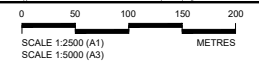


LEGEND:

Flood compensation area	Permanent Acquisition of Subsoil and Rights
Order limits	Permanent Acquisition of Land
Environmental mitigation	Temporary Possession of Land Only
Building requiring demolition	Temporary Possession of Land and Permanent Acquisition of Rights
Building access affected/building partially affected	Permanent Acquisition of Subsoil and Rights and Temporary Possession of Land at Surface
	Land not included within the Order limits

NOTES:

1. Refer to the General Arrangement map book for open space provision, replacement open space and replacement common land.



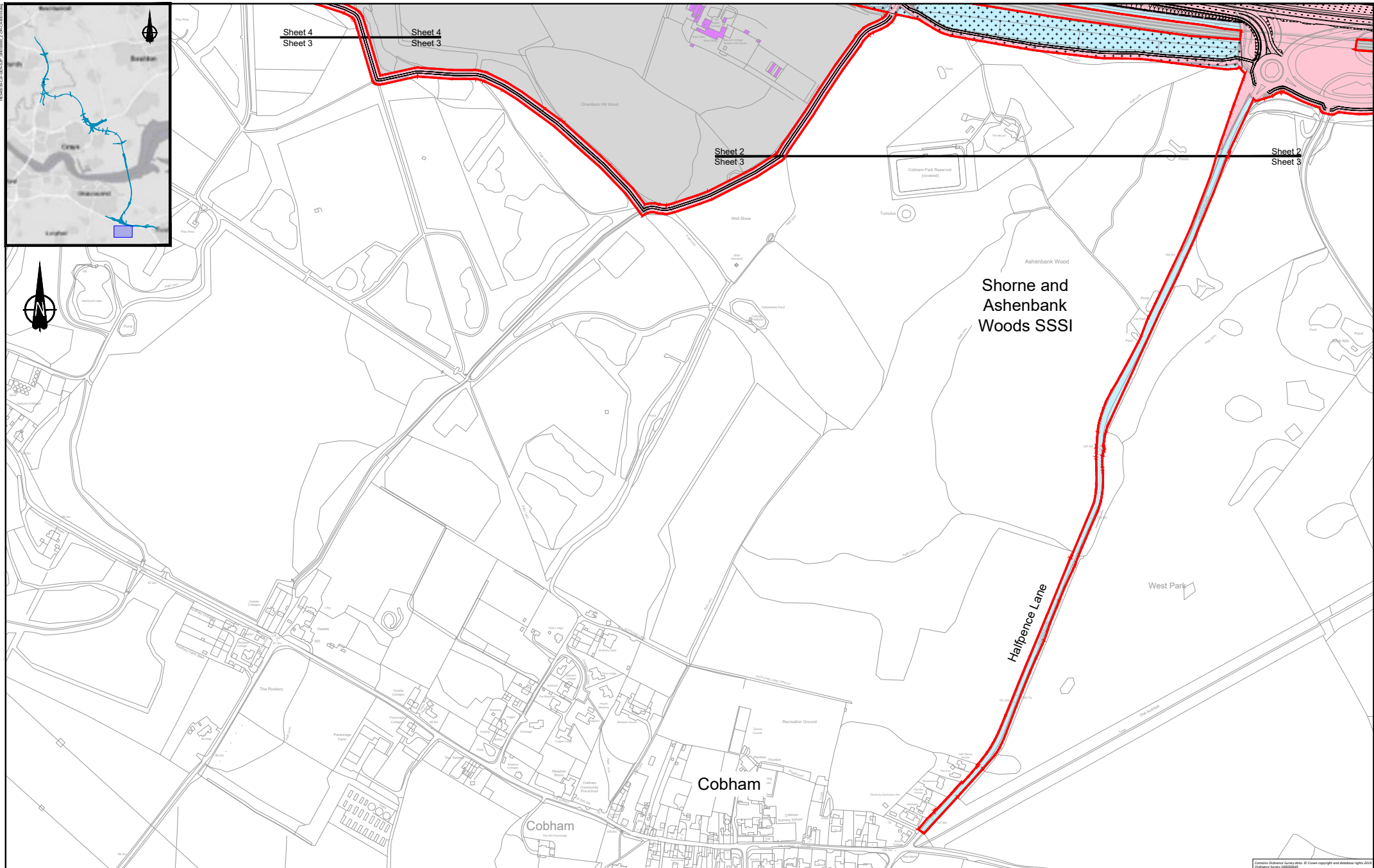
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PROPOSALS FOR CONSULTATION

Project **LOWER THAMES CROSSING**
COMMUNITY IMPACTS CONSULTATION

Drawing title **LAND USE PLAN**
SHEET 2

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Sheet 4
Sheet 3

Sheet 4
Sheet 3

Sheet 2
Sheet 3

Sheet 2
Sheet 3

Shorne and
Ashenbank
Woods SSSI

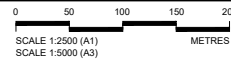
Cobham

Cobham

Halfpence Lane

LEGEND:	
	Flood compensation area
	Order limits
	Environmental mitigation
	Building requiring demolition
	Building access affected/partially affected
	Permanent Acquisition of Subsoil and Rights
	Permanent Acquisition of Land
	Temporary Possession of Land Only
	Temporary Possession of Land and Permanent Acquisition of Rights
	Permanent Acquisition of Subsoil and Rights and Temporary Possession of Land at Surface
	Land not included within the Order limits

NOTES:
1. Refer to the General Arrangement map book for open space provision, replacement open space and replacement common land.



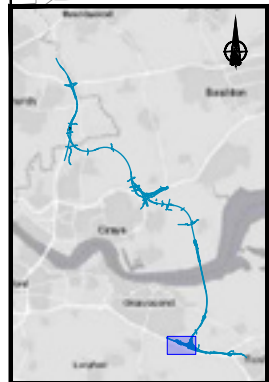
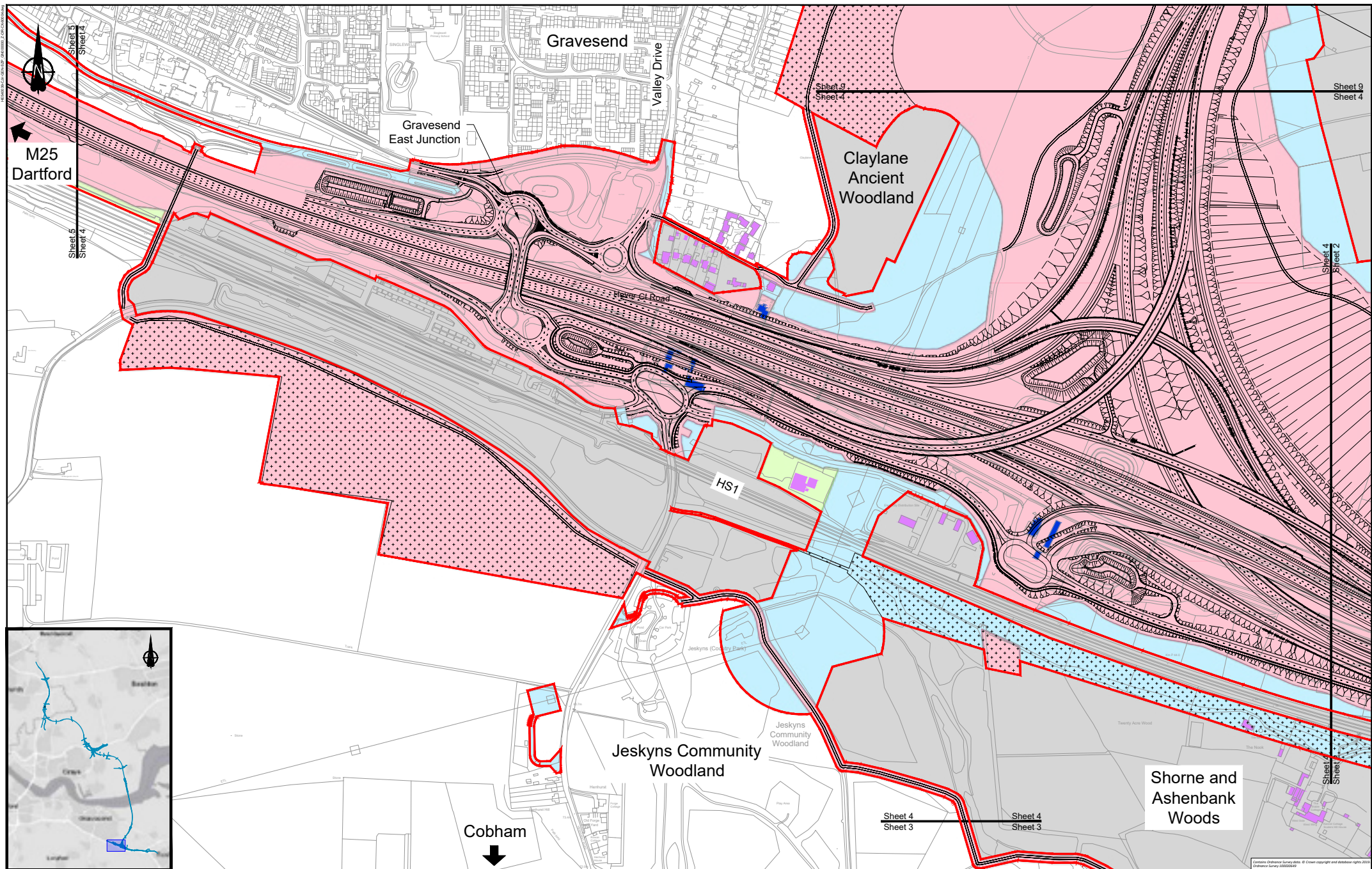
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PROPOSALS FOR CONSULTATION

Project **LOWER THAMES CROSSING COMMUNITY IMPACTS CONSULTATION**

Drawing title **LAND USE PLAN SHEET 3**

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LEGEND:	
	Flood compensation area
	Order limits
	Environmental mitigation
	Building requiring demolition
	Building access affected/building partially affected
	Permanent Acquisition of Subsoil and Rights
	Permanent Acquisition of Land
	Temporary Possession of Land Only
	Temporary Possession of Land and Permanent Acquisition of Rights
	Permanent Acquisition of Subsoil and Rights and Temporary Possession of Land at Surface
	Land not included within the Order limits

NOTES:
 1. Refer to the General Arrangement map book for open space provision, replacement open space and replacement common land.



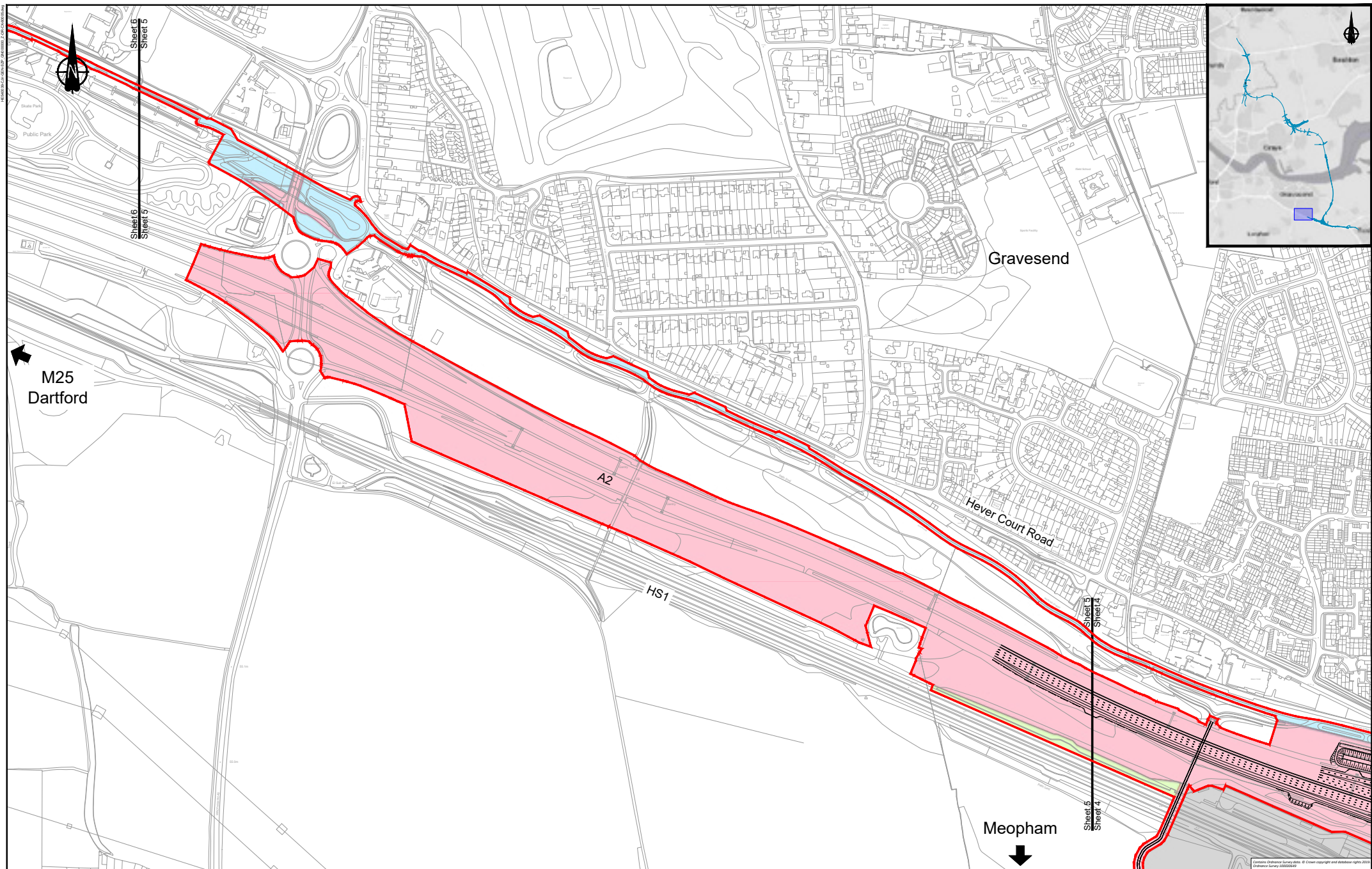
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PROPOSALS FOR CONSULTATION

Project **LOWER THAMES CROSSING**
COMMUNITY IMPACTS CONSULTATION

Drawing title **LAND USE PLAN**
SHEET 4

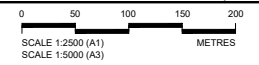
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LEGEND:

Flood compensation area	Permanent Acquisition of Subsoil and Rights
Order limits	Permanent Acquisition of Land
Environmental mitigation	Temporary Possession of Land Only
Building requiring demolition	Temporary Possession of Land and Permanent Acquisition of Rights
Building access affected/building partially affected	Permanent Acquisition of Subsoil and Rights and Temporary Possession of Land at Surface
	Land not included within the Order limits

NOTES:
 1. Refer to the General Arrangement map book for open space provision, replacement open space and replacement common land.



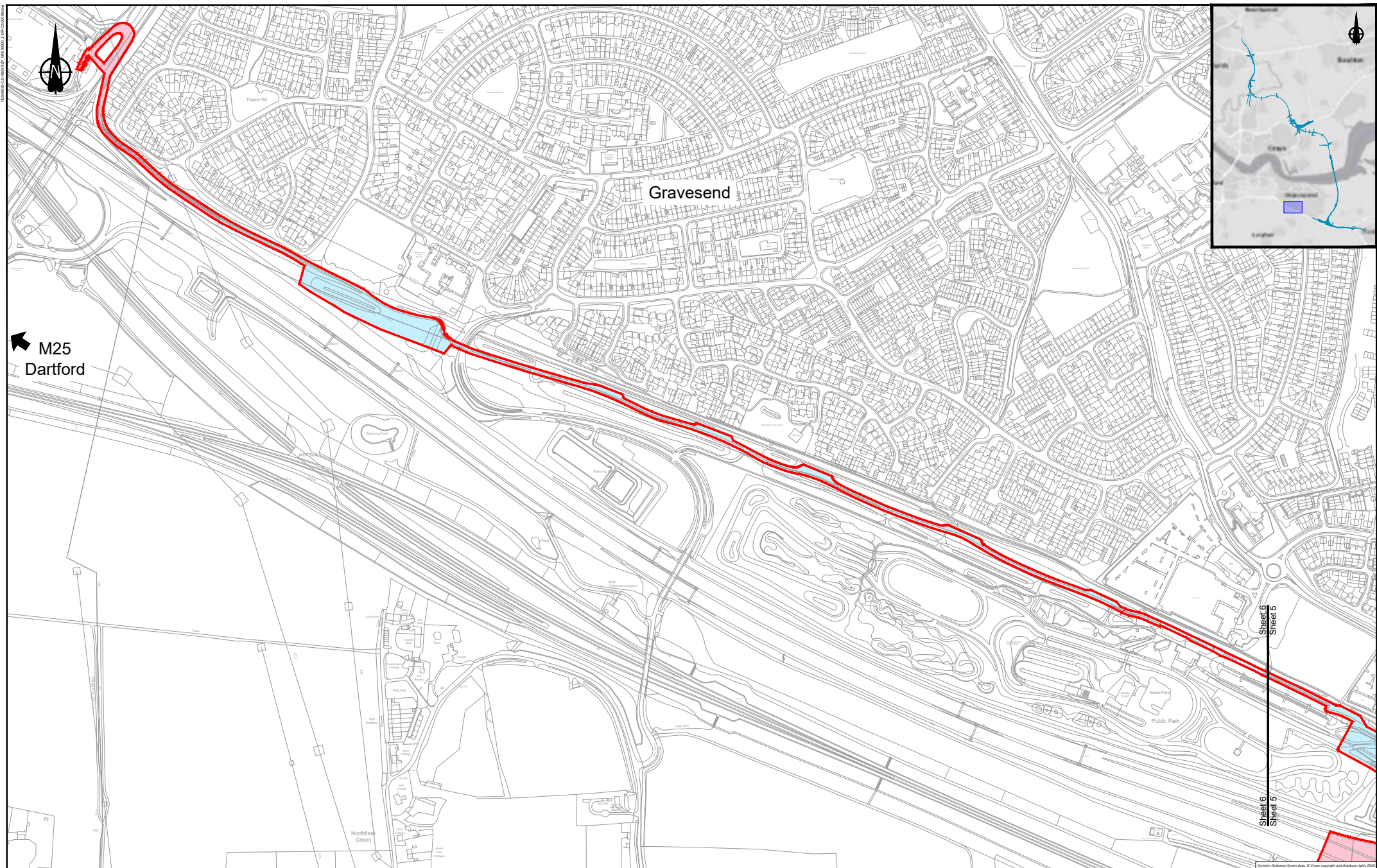
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PROPOSALS FOR CONSULTATION

Project **LOWER THAMES CROSSING**
COMMUNITY IMPACTS CONSULTATION

Drawing title

LAND USE PLAN
SHEET 5

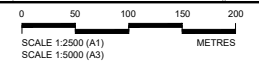


LEGEND:

Flood compensation area	Permanent Acquisition of Subsoil and Rights
Order limits	Permanent Acquisition of Land
Environmental mitigation	Temporary Possession of Land Only
Building requiring demolition	Temporary Possession of Land and Permanent Acquisition of Rights
Building access affected/building partially affected	Permanent Acquisition of Subsoil and Rights and Temporary Possession of Land at Surface
	Land not included within the Order limits

NOTES:

1. Refer to the General Arrangement map book for open space provision, replacement open space and replacement common land.



Client **A2**

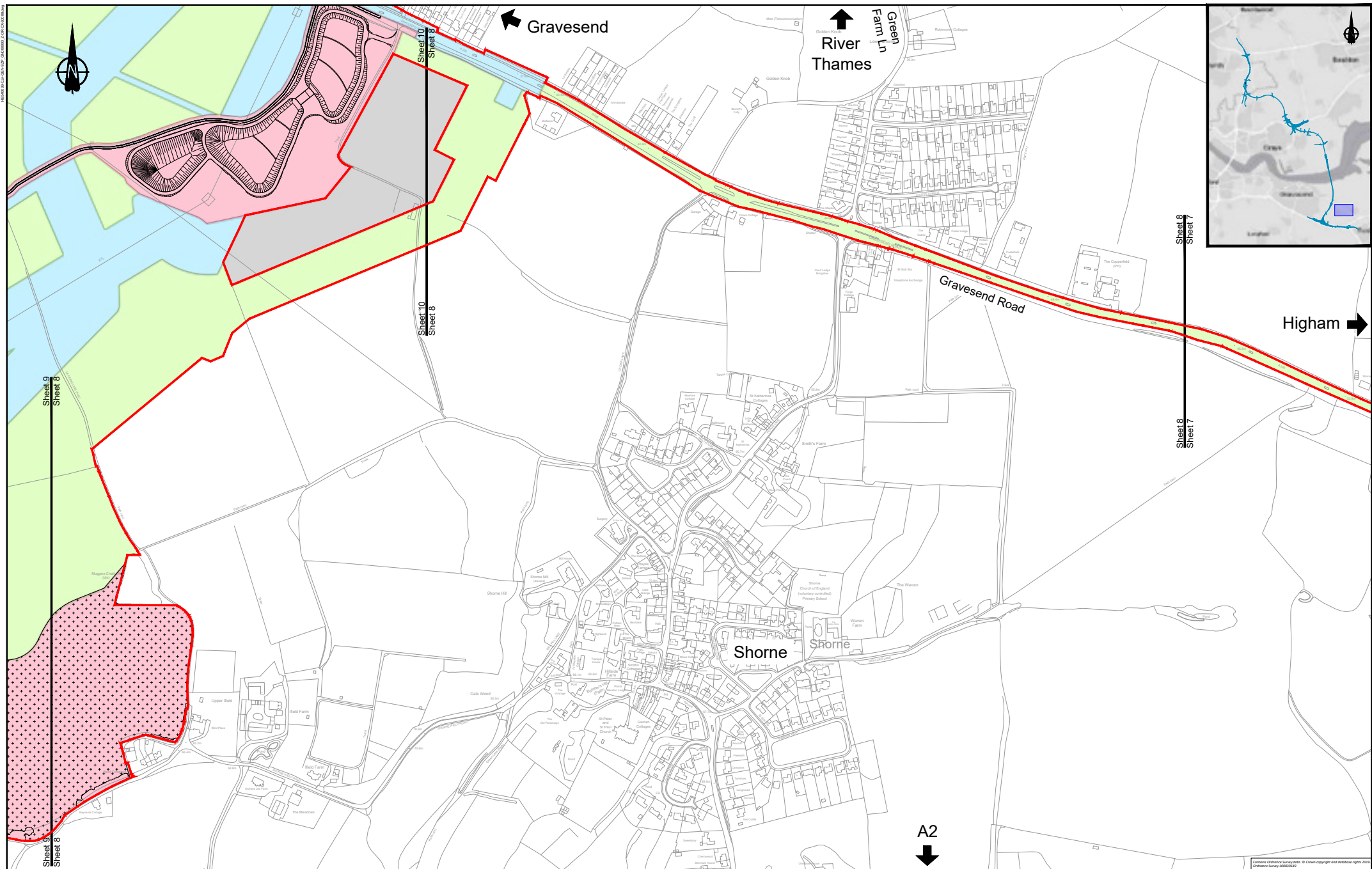
PROPOSALS FOR CONSULTATION

Project **LOWER THAMES CROSSING COMMUNITY IMPACTS CONSULTATION**

Drawing title **LAND USE PLAN SHEET 6**

Sheet 6
Sheet 5

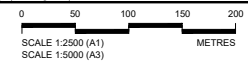
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LEGEND:

Flood compensation area	Permanent Acquisition of Subsoil and Rights
Order limits	Permanent Acquisition of Land
Environmental mitigation	Temporary Possession of Land Only
Building requiring demolition	Temporary Possession of Land and Permanent Acquisition of Rights
Building access affected/building partially affected	Permanent Acquisition of Subsoil and Rights and Temporary Possession of Land at Surface
	Land not included within the Order limits

NOTES:
 1. Refer to the General Arrangement map book for open space provision, replacement open space and replacement common land.



A2

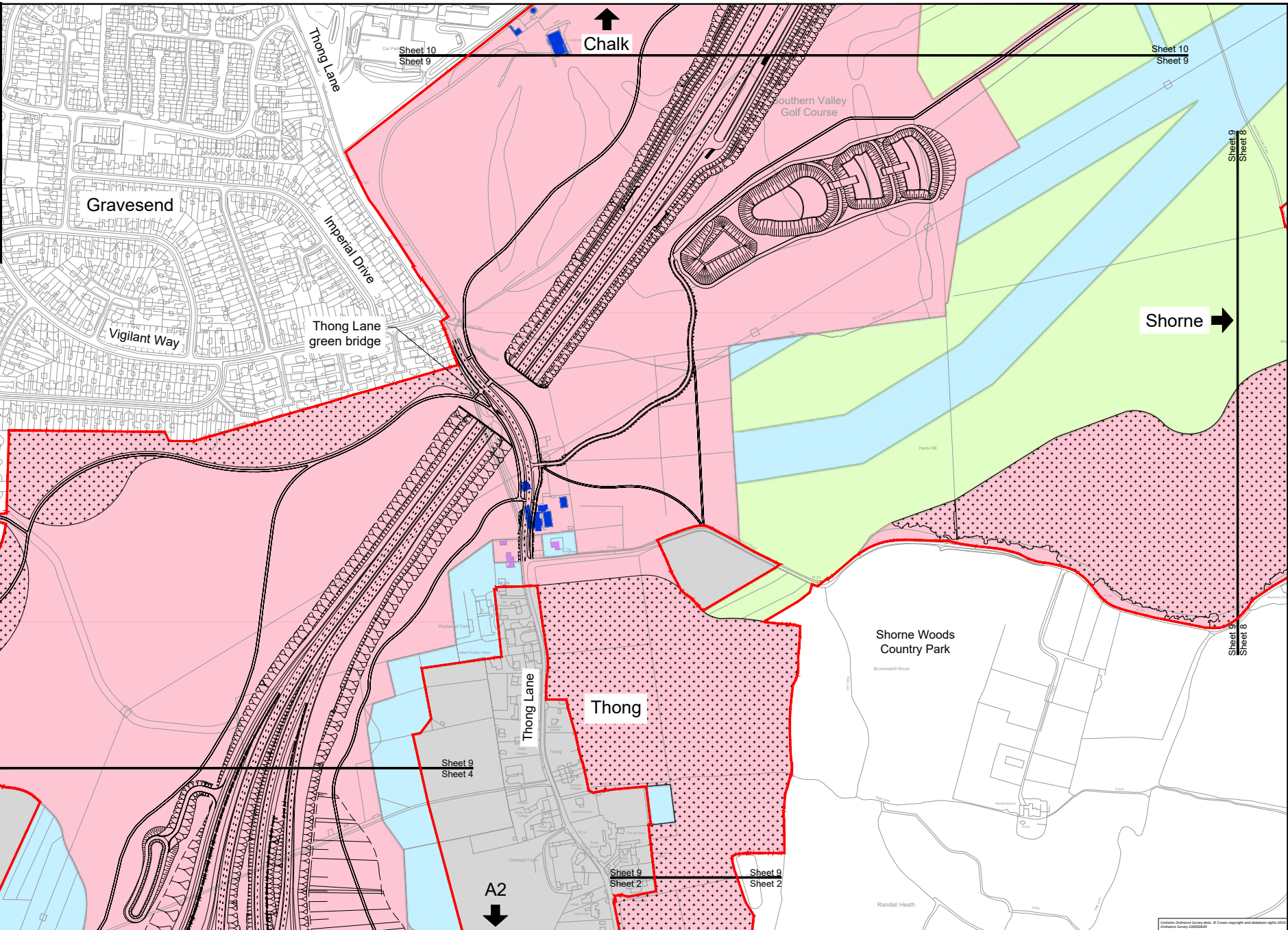
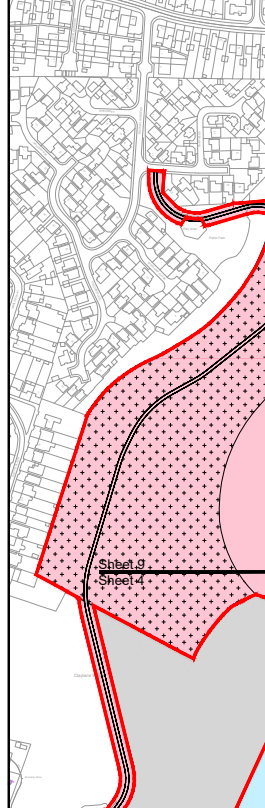
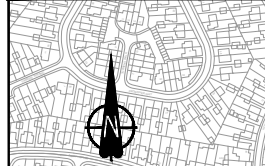
PROPOSALS FOR CONSULTATION

Project **LOWER THAMES CROSSING**
COMMUNITY IMPACTS CONSULTATION

Drawing title **LAND USE PLAN**
SHEET 8

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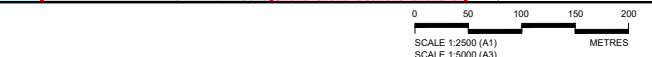
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LEGEND:

Flood compensation area	Permanent Acquisition of Subsoil and Rights
Order limits	Permanent Acquisition of Land
Environmental mitigation	Temporary Possession of Land Only
Building requiring demolition	Temporary Possession of Land and Permanent Acquisition of Rights
Building access affected/building partially affected	Permanent Acquisition of Subsoil and Rights and Temporary Possession of Land at Surface
	Land not included within the Order limits

NOTES:
 1. Refer to the General Arrangement map book for open space provision, replacement open space and replacement common land.



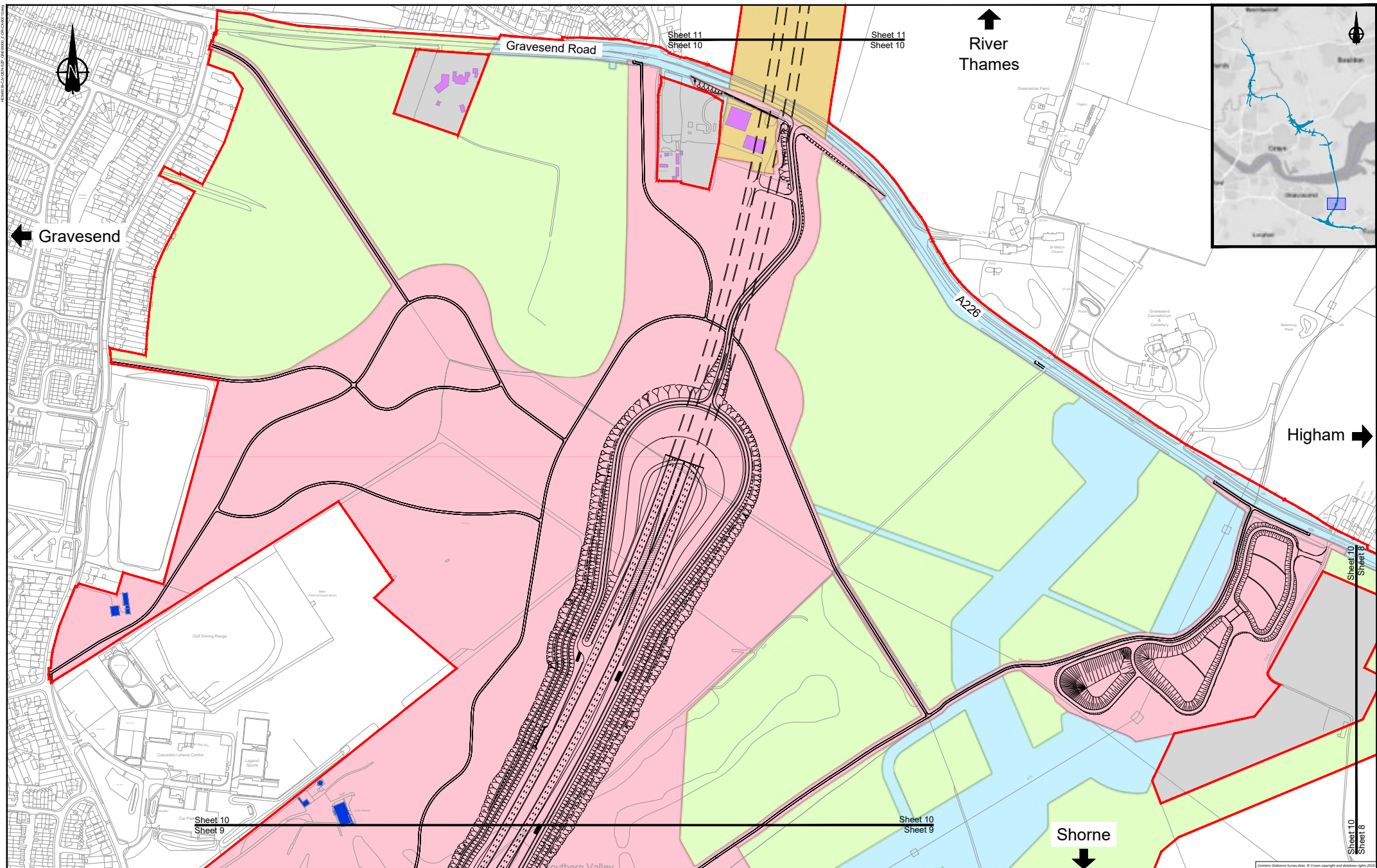
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Project **LOWER THAMES CROSSING**
COMMUNITY IMPACTS CONSULTATION

Drawing title **LAND USE PLAN**
SHEET 9

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LEGEND:	
	Flood compensation area
	Order limits
	Environmental mitigation
	Building requiring demolition
	Building access affected/building partially affected
	Permanent Acquisition of Subsoil and Rights
	Permanent Acquisition of Land
	Temporary Possession of Land Only
	Temporary Possession of Land and Permanent Acquisition of Rights
	Permanent Acquisition of Subsoil and Rights and Temporary Possession of Land at Surface
	Land not included within the Order limits

NOTES:
 1. Refer to the General Arrangement map book for open space provision, replacement open space and replacement common land.



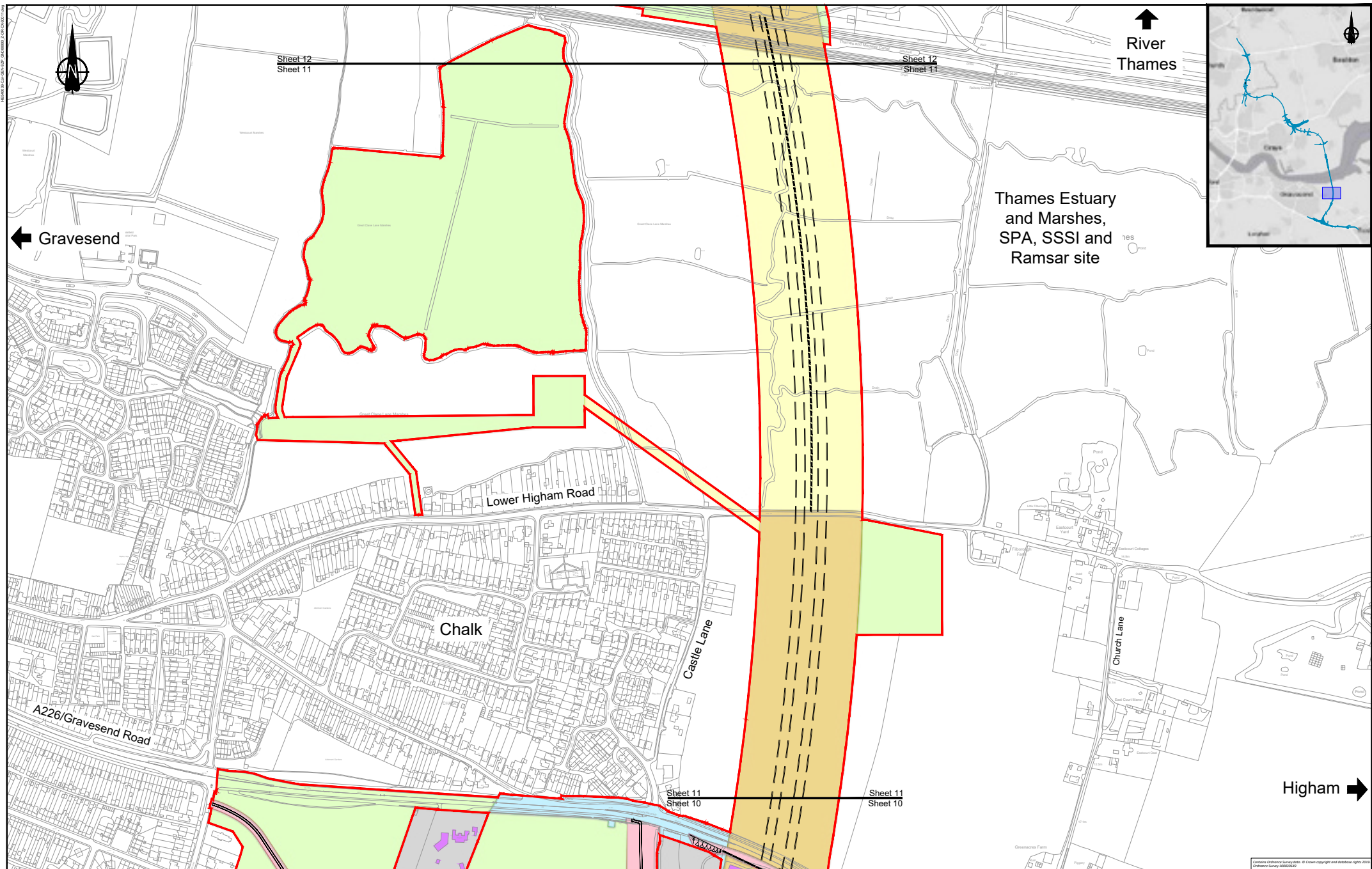
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PROPOSALS FOR CONSULTATION

Project **LOWER THAMES CROSSING**
COMMUNITY IMPACTS CONSULTATION

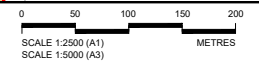
Drawing title **LAND USE PLAN**
SHEET 10

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LEGEND:	
	Flood compensation area
	Order limits
	Environmental mitigation
	Building requiring demolition
	Building access affected/partially affected
	Permanent Acquisition of Subsoil and Rights
	Permanent Acquisition of Land
	Temporary Possession of Land Only
	Temporary Possession of Land and Permanent Acquisition of Rights
	Permanent Acquisition of Subsoil and Rights and Temporary Possession of Land at Surface
	Land not included within the Order limits

NOTES:
 1. Refer to the General Arrangement map book for open space provision, replacement open space and replacement common land.



Client

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Project **LOWER THAMES CROSSING**
COMMUNITY IMPACTS CONSULTATION

Drawing title **LAND USE PLAN**
SHEET 11

HEWLETT/CALDWELL/2016/0002_2016/0001/01

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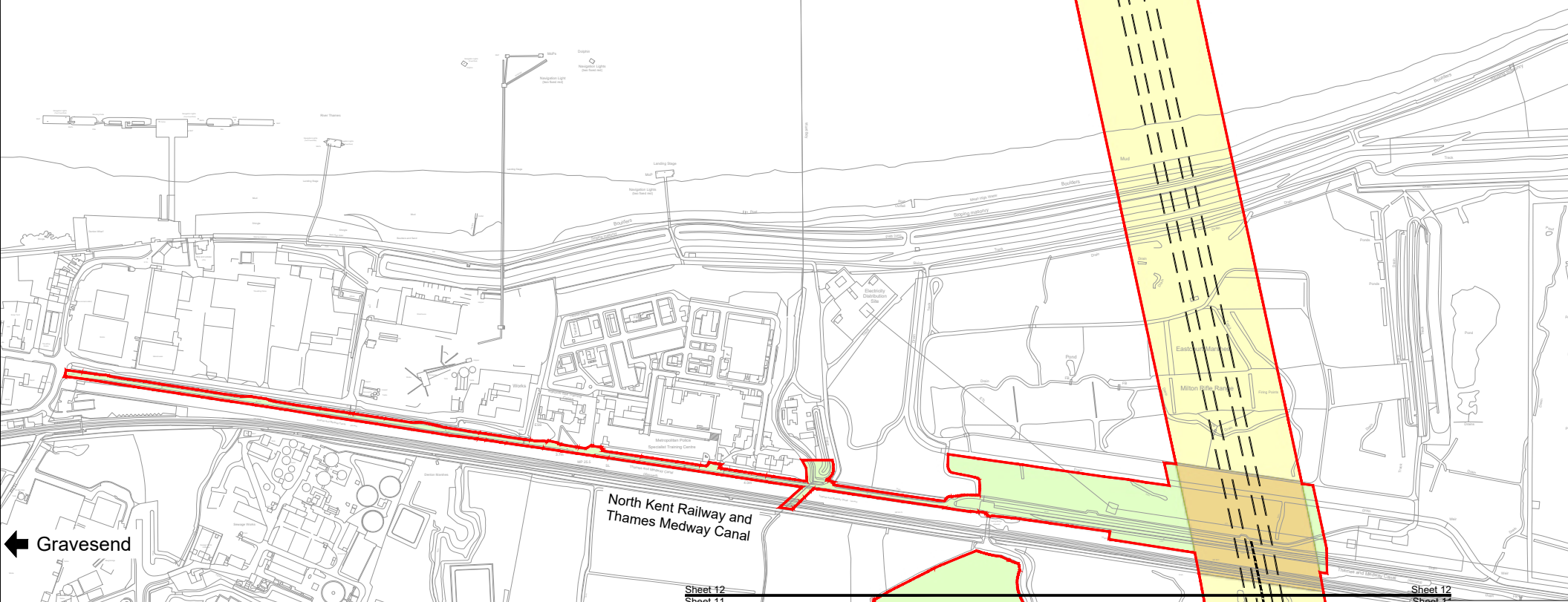
Sheet 13
Sheet 12

Sheet 13
Sheet 12



River Thames

Tunnel



← Gravesend

North Kent Railway and Thames Medway Canal

Sheet 12
Sheet 11

Sheet 12
Sheet 11

LEGEND:	
	Flood compensation area
	Order limits
	Environmental mitigation
	Building requiring demolition
	Building access affected/building partially affected
	Permanent Acquisition of Subsoil and Rights
	Permanent Acquisition of Land
	Temporary Possession of Land Only
	Temporary Possession of Land and Permanent Acquisition of Rights
	Permanent Acquisition of Subsoil and Rights and Temporary Possession of Land at Surface
	Land not included within the Order limits

NOTES:
1. Refer to the General Arrangement map book for open space provision, replacement open space and replacement common land.



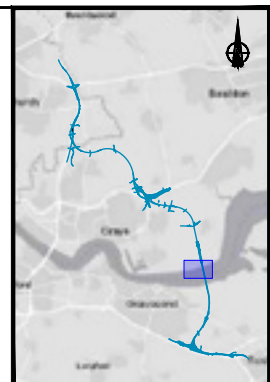
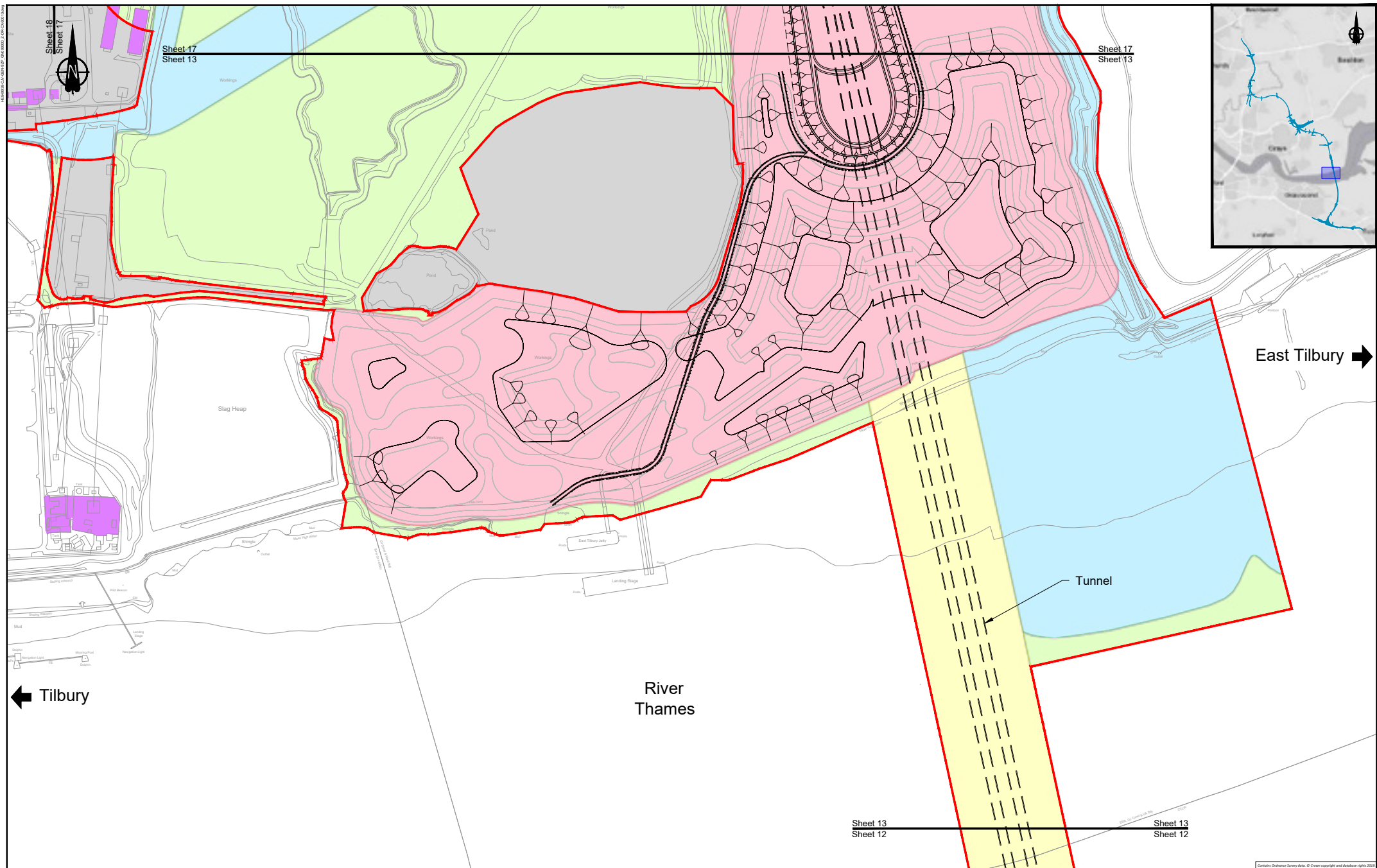
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PROPOSALS FOR CONSULTATION

Project **LOWER THAMES CROSSING COMMUNITY IMPACTS CONSULTATION**

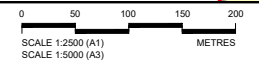
Drawing title **LAND USE PLAN SHEET 12**

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LEGEND:	
	Flood compensation area
	Order limits
	Environmental mitigation
	Building requiring demolition
	Building access affected/building partially affected
	Permanent Acquisition of Subsoil and Rights
	Permanent Acquisition of Land
	Temporary Possession of Land Only
	Temporary Possession of Land and Permanent Acquisition of Rights
	Permanent Acquisition of Subsoil and Rights and Temporary Possession of Land at Surface
	Land not included within the Order limits

NOTES:
 1. Refer to the General Arrangement map book for open space provision, replacement open space and replacement common land.



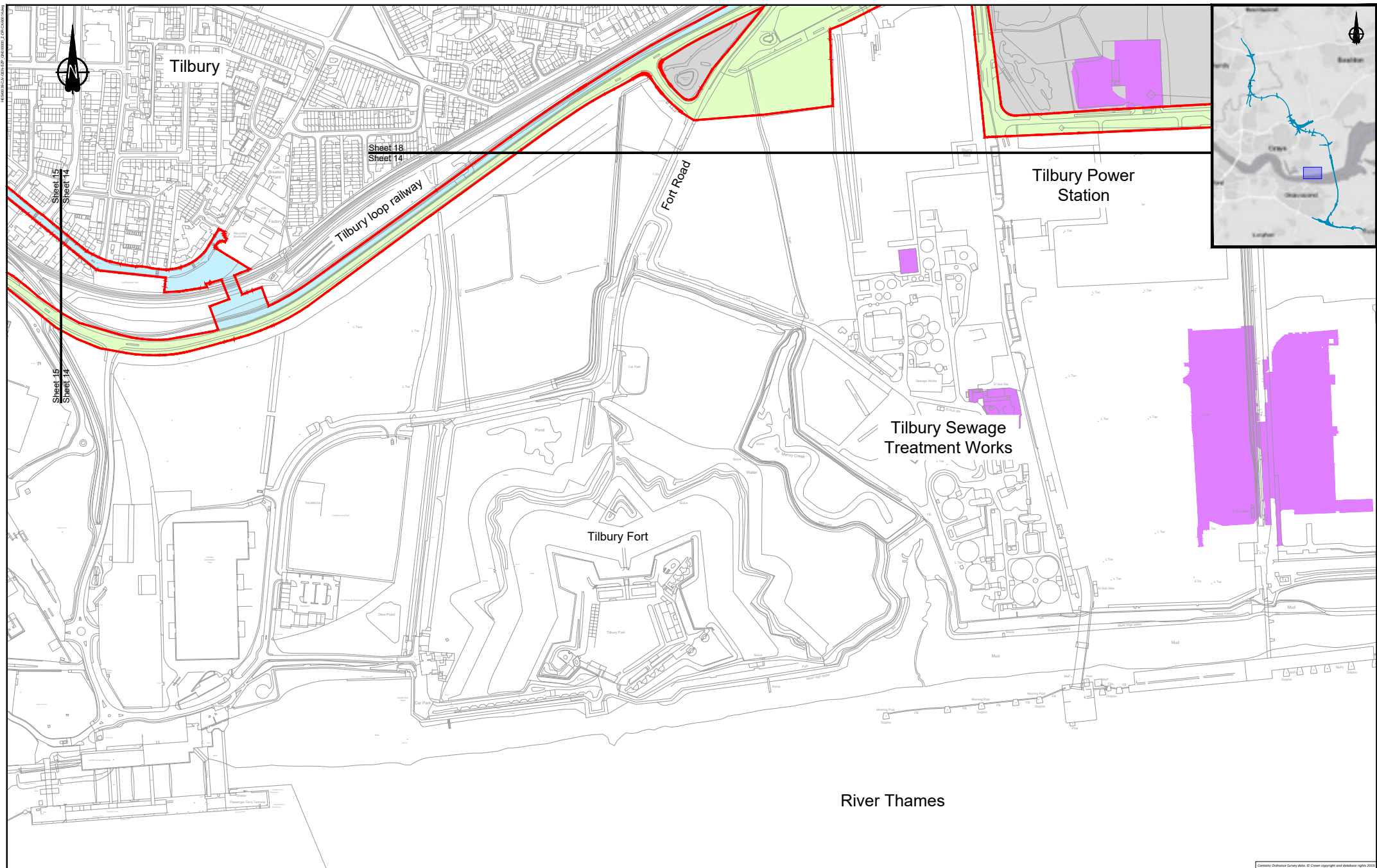
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PROPOSALS FOR CONSULTATION

Project **LOWER THAMES CROSSING COMMUNITY IMPACTS CONSULTATION**

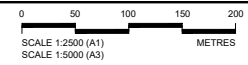
Drawing title **LAND USE PLAN SHEET 13**

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LEGEND:	
	Flood compensation area
	Order limits
	Environmental mitigation
	Building requiring demolition
	Building access affected/partially affected
	Permanent Acquisition of Subsoil and Rights
	Permanent Acquisition of Land
	Temporary Possession of Land Only
	Temporary Possession of Land and Permanent Acquisition of Rights
	Permanent Acquisition of Subsoil and Rights and Temporary Possession of Land at Surface
	Land not included within the Order limits

NOTES:
 1. Refer to the General Arrangement map book for open space provision, replacement open space and replacement common land.



Client

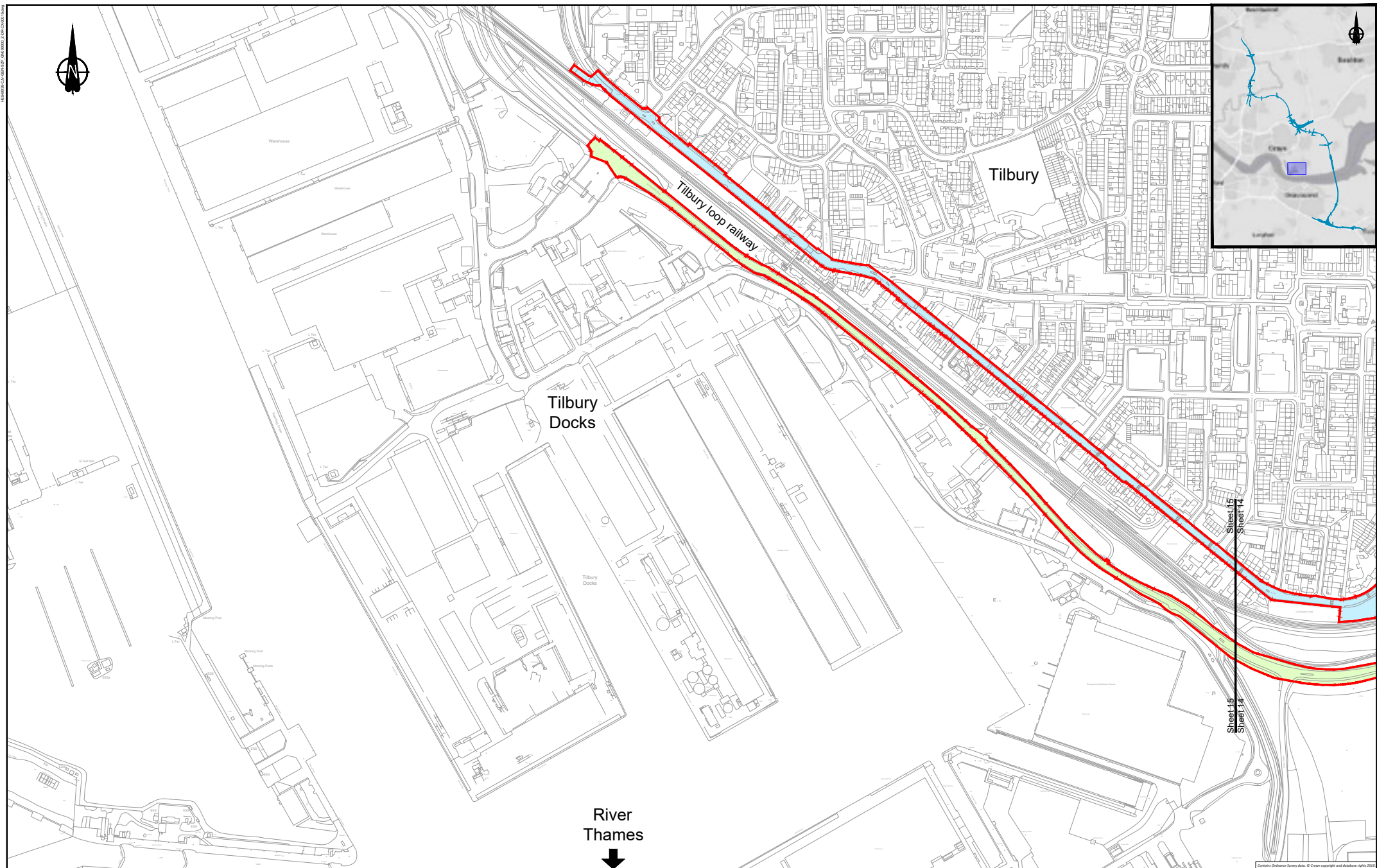
PROPOSALS FOR CONSULTATION

Project **LOWER THAMES CROSSING**
COMMUNITY IMPACTS CONSULTATION

Drawing title **LAND USE PLAN**
SHEET 14

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HEMORRHOIDAL DRAINAGE SURVEILLANCE



LEGEND:

	Flood compensation area		Permanent Acquisition of Subsoil and Rights
	Order limits		Permanent Acquisition of Land
	Environmental mitigation		Temporary Possession of Land Only
	Building requiring demolition		Temporary Possession of Land and Permanent Acquisition of Rights
	Building access affected/building partially affected		Permanent Acquisition of Subsoil and Rights and Temporary Possession of Land at Surface
			Land not included within the Order limits

NOTES:
 1. Refer to the General Arrangement map book for open space provision, replacement open space and replacement common land.

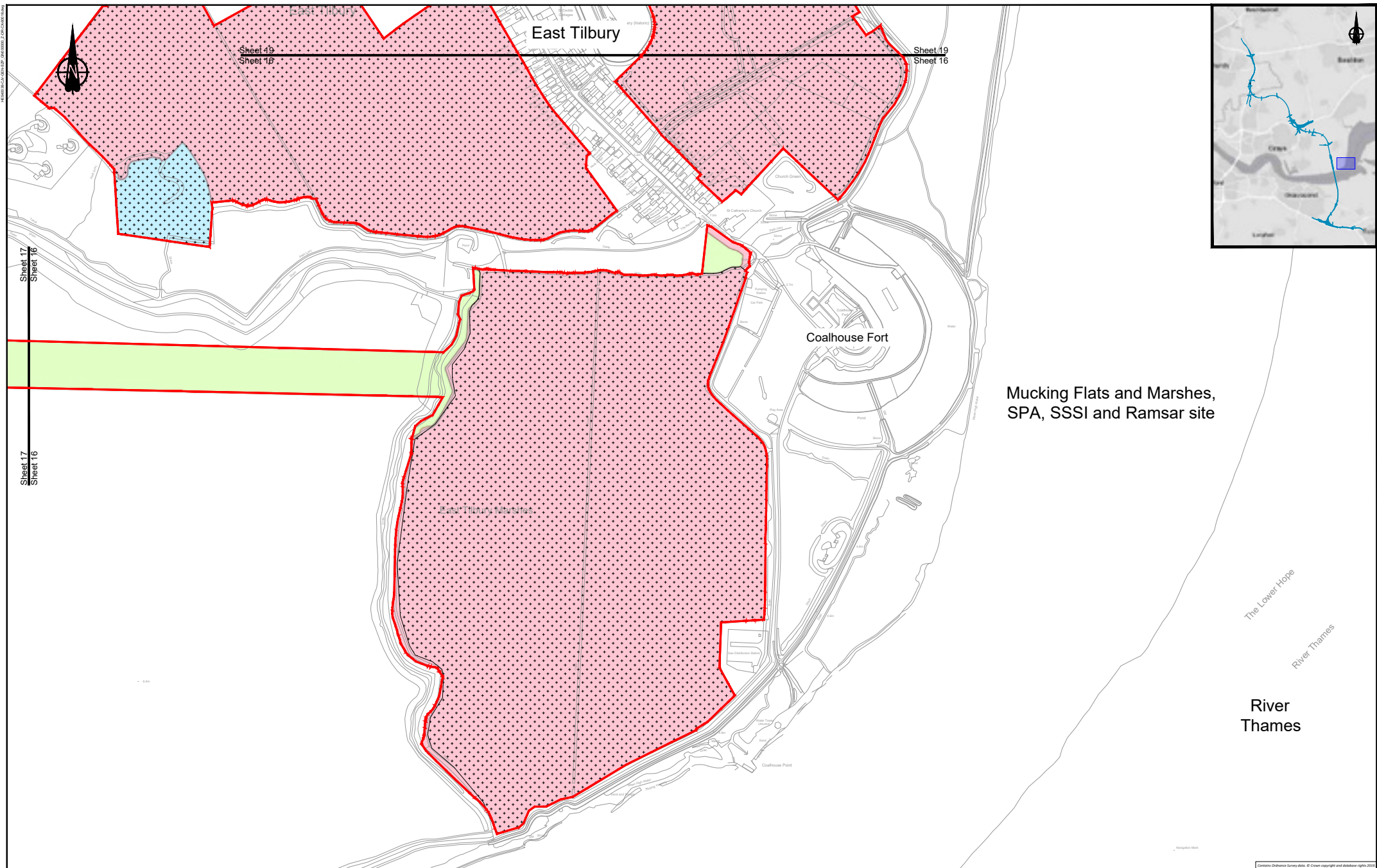


highways england

PROPOSALS FOR CONSULTATION

Client: **LOWER THAMES CROSSING**
 Project: **COMMUNITY IMPACTS CONSULTATION**
 Drawing title: **LAND USE PLAN**
SHEET 15

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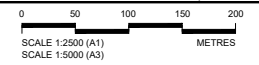


Mucking Flats and Marshes,
SPA, SSSI and Ramsar site

The Lower Hope
River Thames
River Thames

LEGEND:	
	Flood compensation area
	Order limits
	Environmental mitigation
	Building requiring demolition
	Building access affected/building partially affected
	Permanent Acquisition of Subsoil and Rights
	Permanent Acquisition of Land
	Temporary Possession of Land Only
	Temporary Possession of Land and Permanent Acquisition of Rights
	Permanent Acquisition of Subsoil and Rights and Temporary Possession of Land at Surface
	Land not included within the Order limits

NOTES:
1. Refer to the General Arrangement map book for open space provision, replacement open space and replacement common land.



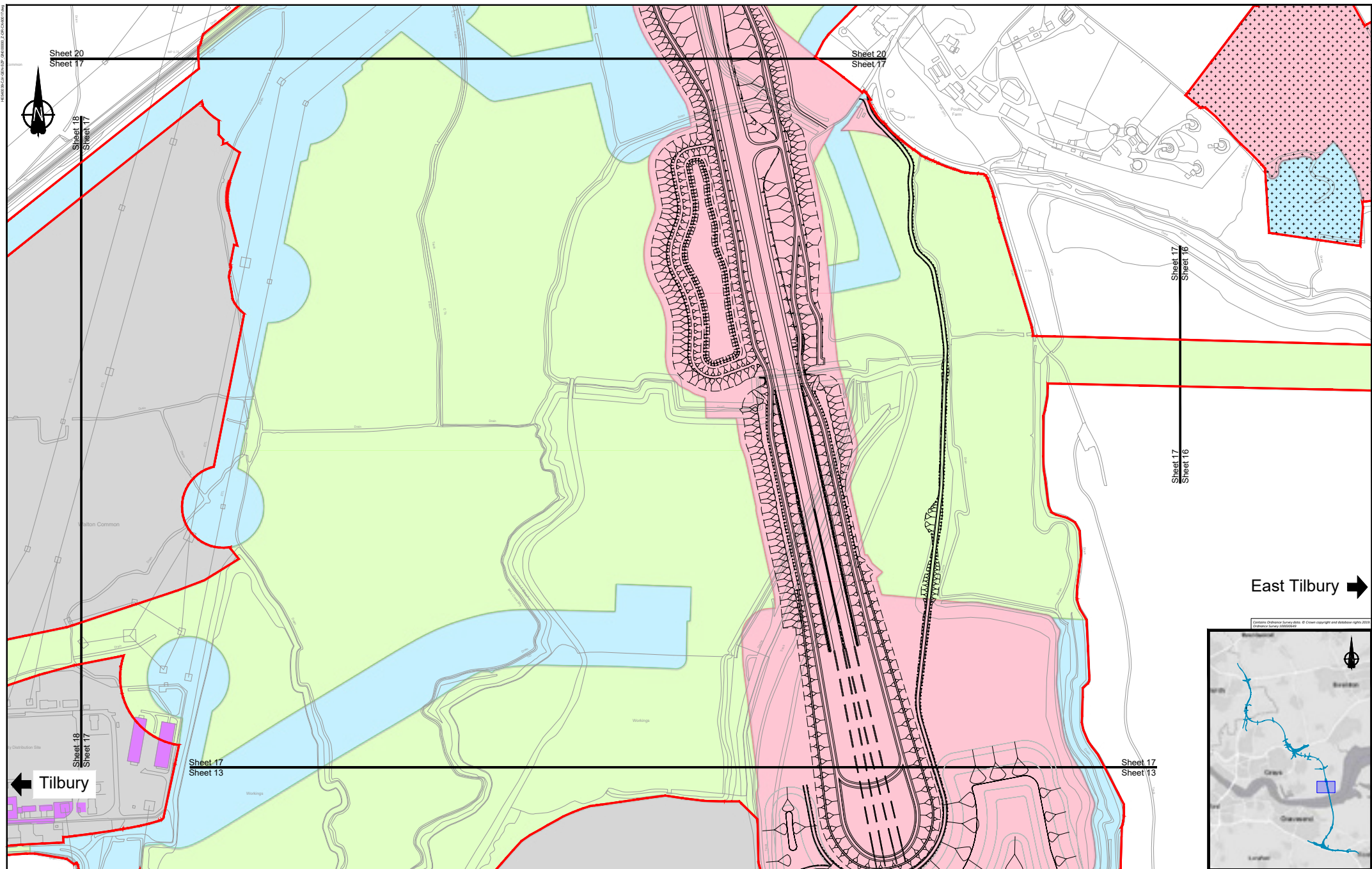
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PROPOSALS FOR CONSULTATION

Project **LOWER THAMES CROSSING COMMUNITY IMPACTS CONSULTATION**

Drawing title **LAND USE PLAN SHEET 16**

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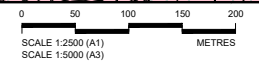


LEGEND:

Flood compensation area	Permanent Acquisition of Subsoil and Rights
Order limits	Permanent Acquisition of Land
Environmental mitigation	Temporary Possession of Land Only
Building requiring demolition	Temporary Possession of Land and Permanent Acquisition of Rights
Building access affected/building partially affected	Permanent Acquisition of Subsoil and Rights and Temporary Possession of Land at Surface
	Land not included within the Order limits

NOTES:

1. Refer to the General Arrangement map book for open space provision, replacement open space and replacement common land.

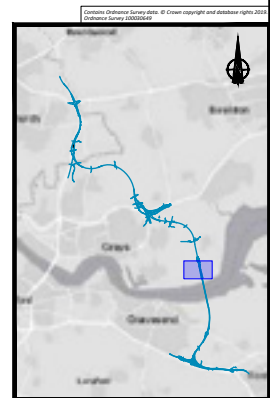


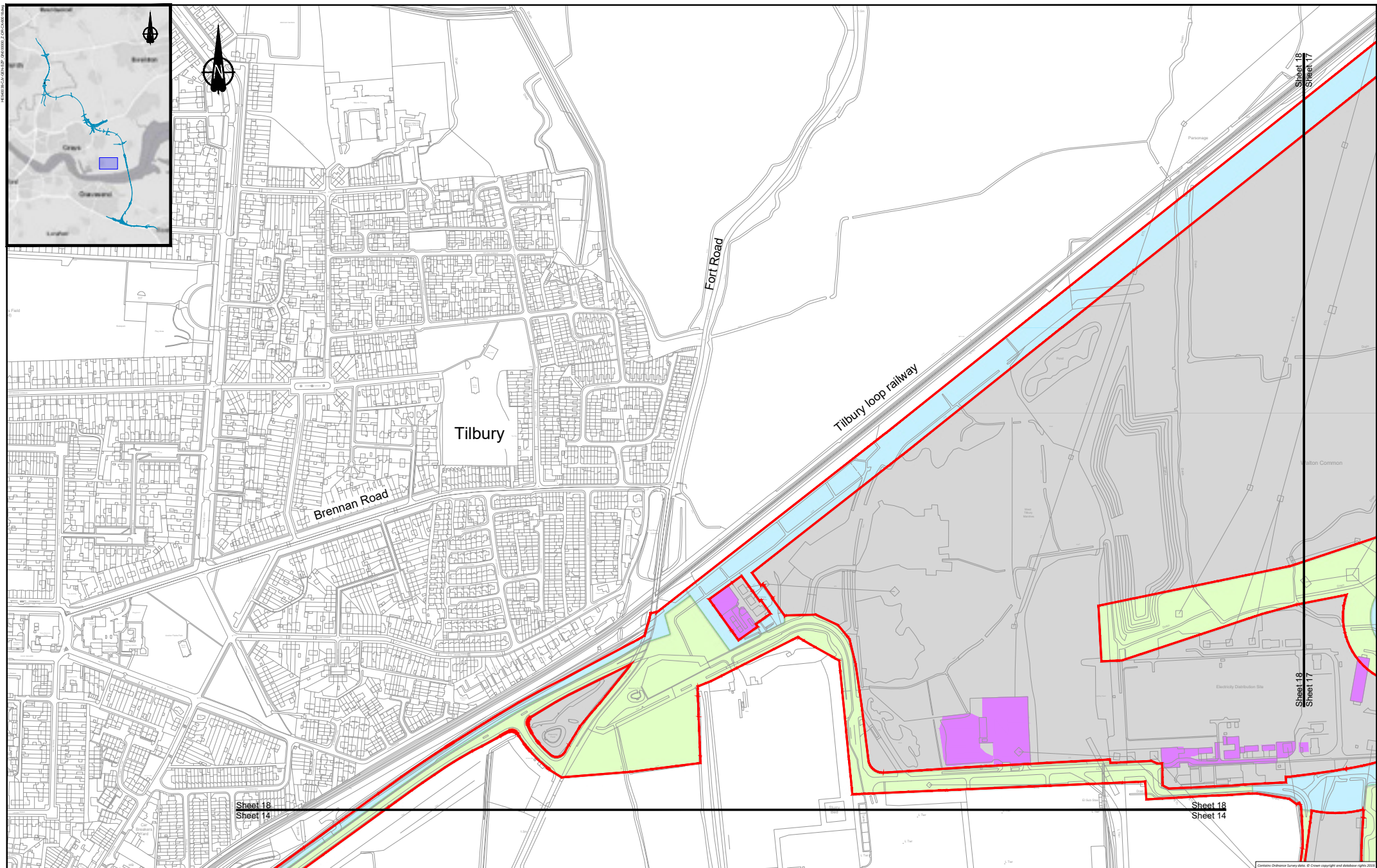
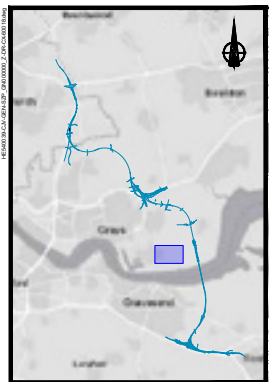
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PROPOSALS FOR CONSULTATION

Project **LOWER THAMES CROSSING**
COMMUNITY IMPACTS CONSULTATION

Drawing title **LAND USE PLAN**
SHEET 17





Sheet 18
Sheet 14

Sheet 18
Sheet 14

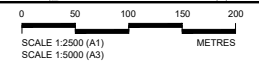
Sheet 18
Sheet 17

Sheet 18
Sheet 17

LEGEND:

Flood compensation area	Permanent Acquisition of Subsoil and Rights
Order limits	Permanent Acquisition of Land
Environmental mitigation	Temporary Possession of Land Only
Building requiring demolition	Temporary Possession of Land and Permanent Acquisition of Rights
Building access affected/partially affected	Permanent Acquisition of Subsoil and Rights and Temporary Possession of Land at Surface
	Land not included within the Order limits

NOTES:
1. Refer to the General Arrangement map book for open space provision, replacement open space and replacement common land.



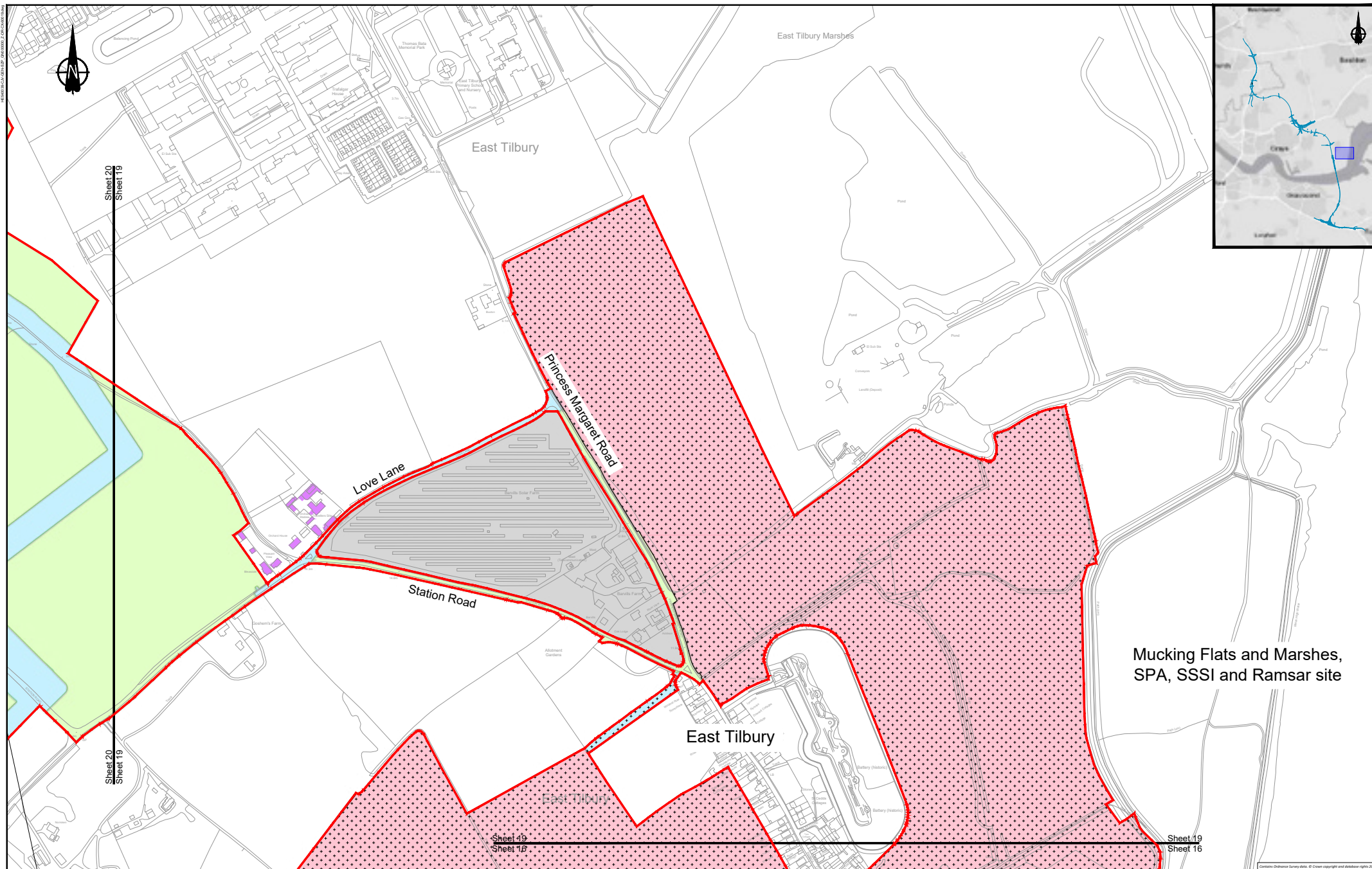
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PROPOSALS FOR CONSULTATION

Project **LOWER THAMES CROSSING COMMUNITY IMPACTS CONSULTATION**

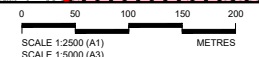
Drawing title **LAND USE PLAN SHEET 18**

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LEGEND:	
	Flood compensation area
	Order limits
	Environmental mitigation
	Building requiring demolition
	Building access affected/partially affected
	Permanent Acquisition of Subsoil and Rights
	Permanent Acquisition of Land
	Temporary Possession of Land Only
	Temporary Possession of Land and Permanent Acquisition of Rights
	Permanent Acquisition of Subsoil and Rights and Temporary Possession of Land at Surface
	Land not included within the Order limits

NOTES:
 1. Refer to the General Arrangement map book for open space provision, replacement open space and replacement common land.



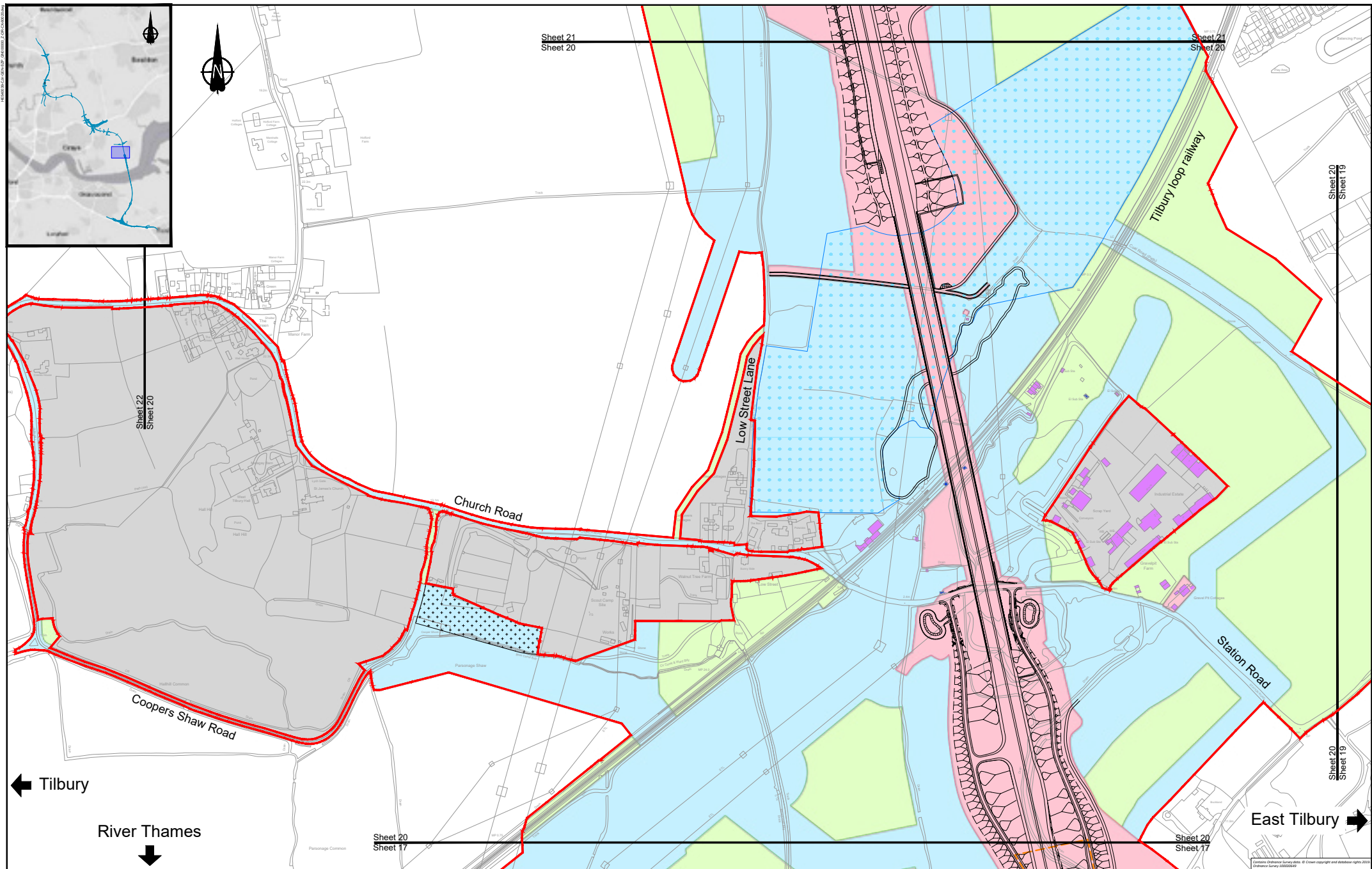
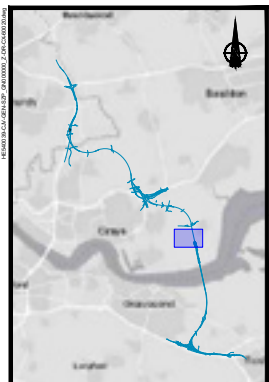
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PROPOSALS FOR CONSULTATION

Project **LOWER THAMES CROSSING COMMUNITY IMPACTS CONSULTATION**

Drawing title **LAND USE PLAN SHEET 19**

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LEGEND:

Flood compensation area	Permanent Acquisition of Subsoil and Rights
Order limits	Permanent Acquisition of Land
Environmental mitigation	Temporary Possession of Land Only
Building requiring demolition	Temporary Possession of Land and Permanent Acquisition of Rights
Building access affected/building partially affected	Permanent Acquisition of Subsoil and Rights and Temporary Possession of Land at Surface
	Land not included within the Order limits

NOTES:

1. Refer to the General Arrangement map book for open space provision, replacement open space and replacement common land.



highways england

PROPOSALS FOR CONSULTATION

Project: **LOWER THAMES CROSSING COMMUNITY IMPACTS CONSULTATION**

Drawing title: **LAND USE PLAN SHEET 20**

← Tilbury

River Thames ↓

East Tilbury →

Sheet 21
Sheet 20

Sheet 21
Sheet 20

Sheet 22
Sheet 20

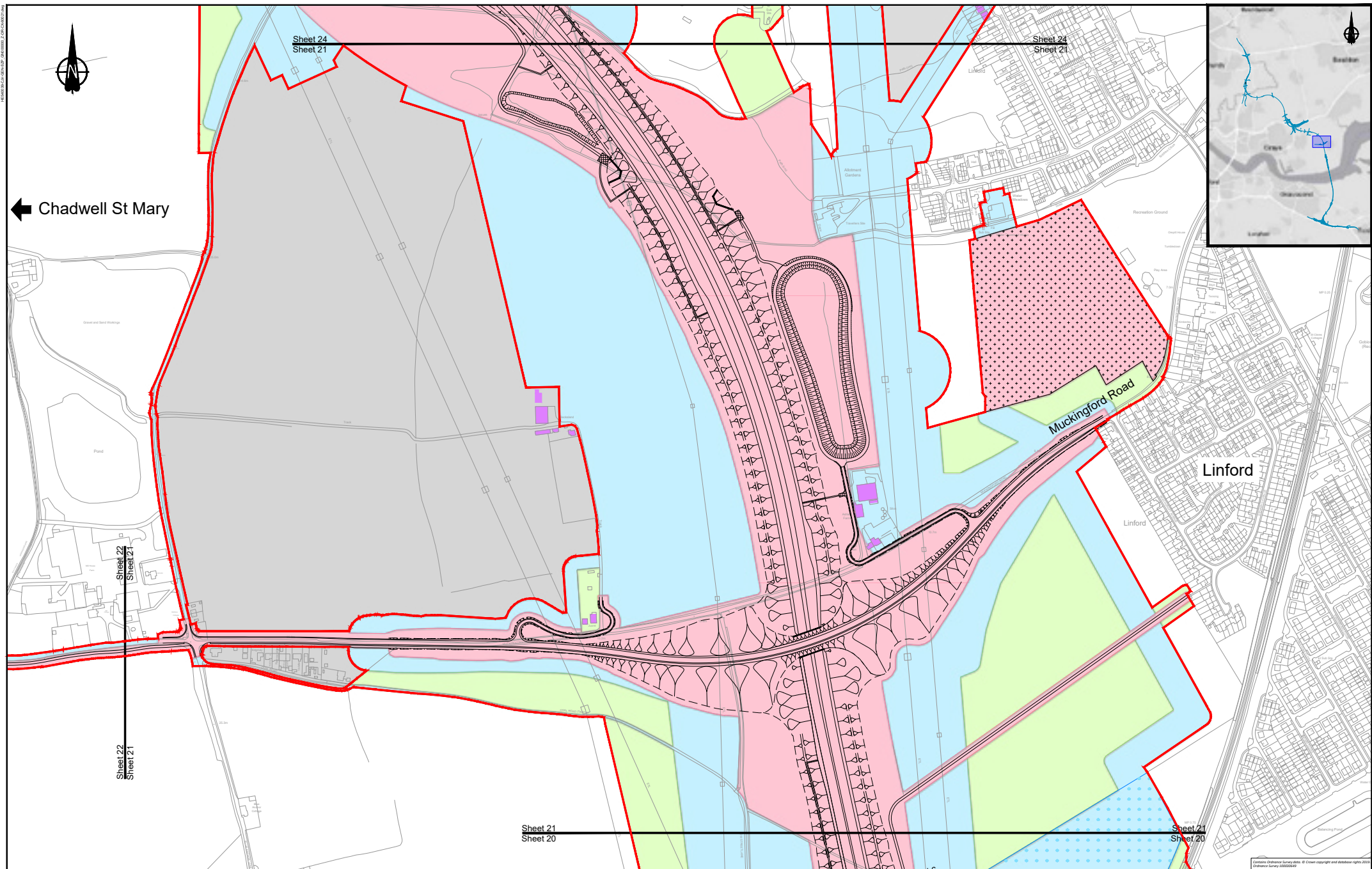
Sheet 20
Sheet 17

Sheet 20
Sheet 17

Sheet 20
Sheet 19

Sheet 20
Sheet 19

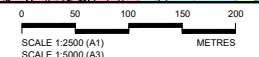
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LEGEND:

Flood compensation area	Permanent Acquisition of Subsoil and Rights
Order limits	Permanent Acquisition of Land
Environmental mitigation	Temporary Possession of Land Only
Building requiring demolition	Temporary Possession of Land and Permanent Acquisition of Rights
Building access affected/partially affected	Permanent Acquisition of Subsoil and Rights and Temporary Possession of Land at Surface
	Land not included within the Order limits

NOTES:
 1. Refer to the General Arrangement map book for open space provision, replacement open space and replacement common land.



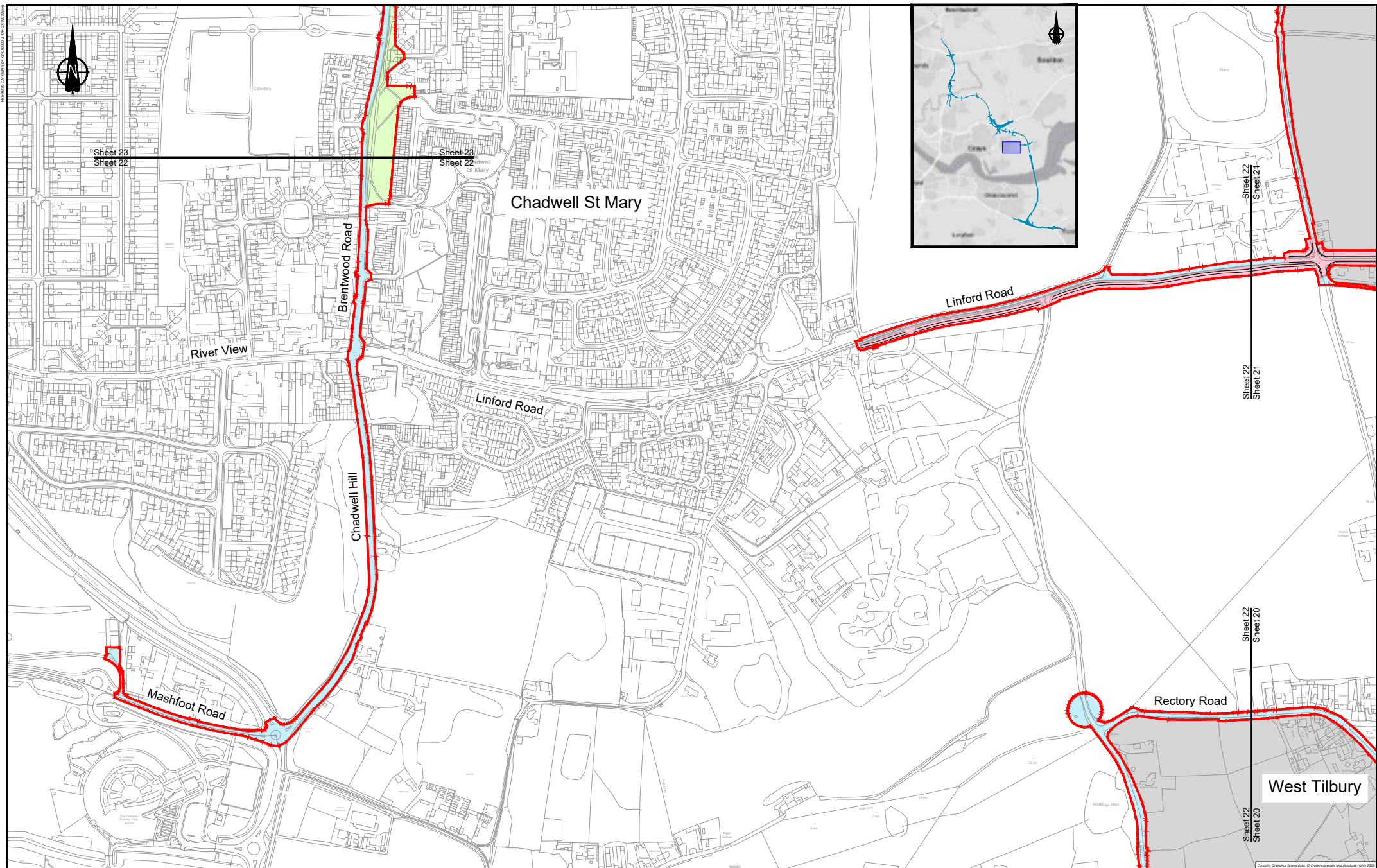
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Project **LOWER THAMES CROSSING**
COMMUNITY IMPACTS CONSULTATION

Drawing title **LAND USE PLAN**
SHEET 21

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LEGEND:	
	Flood compensation area
	Order limits
	Environmental mitigation
	Building requiring demolition
	Building access affected/partially affected
	Permanent Acquisition of Subsoil and Rights
	Permanent Acquisition of Land
	Temporary Possession of Land Only
	Temporary Possession of Land and Permanent Acquisition of Rights
	Permanent Acquisition of Subsoil and Rights and Temporary Possession of Land at Surface
	Land not included within the Order limits

NOTES:
 1. Refer to the General Arrangement map book for open space provision, replacement open space and replacement common land.



Client

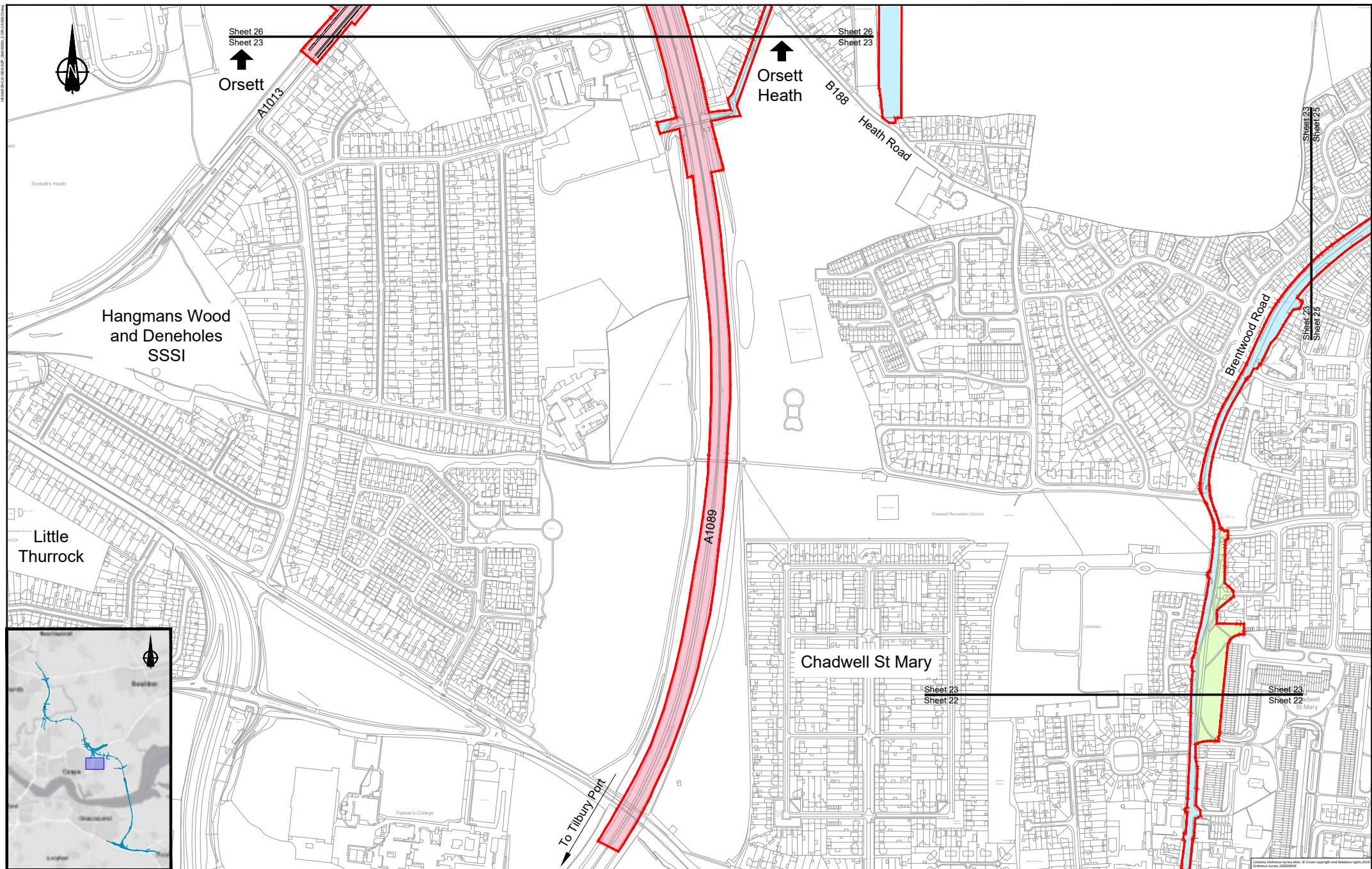
PROPOSALS FOR CONSULTATION

Project **LOWER THAMES CROSSING COMMUNITY IMPACTS CONSULTATION**

Drawing title **LAND USE PLAN SHEET 22**

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Sheet 26
Sheet 23
↑
Orsett

↑
Orsett Heath

Sheet 26
Sheet 23

Sheet 23
Sheet 25

Hangmans Wood
and Deneholes
SSSI

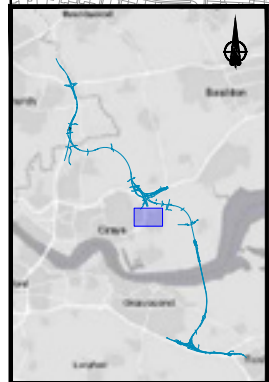
Little
Thurrock

Chadwell St Mary

Sheet 23
Sheet 22

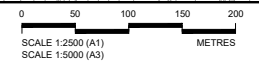
Sheet 23
Sheet 22

To Tilbury Port
↓



LEGEND:	
	Flood compensation area
	Order limits
	Environmental mitigation
	Building requiring demolition
	Building access affected/partially affected
	Permanent Acquisition of Subsoil and Rights
	Permanent Acquisition of Land
	Temporary Possession of Land Only
	Temporary Possession of Land and Permanent Acquisition of Rights
	Permanent Acquisition of Subsoil and Rights and Temporary Possession of Land at Surface
	Land not included within the Order limits

NOTES:
1. Refer to the General Arrangement map book for open space provision, replacement open space and replacement common land.



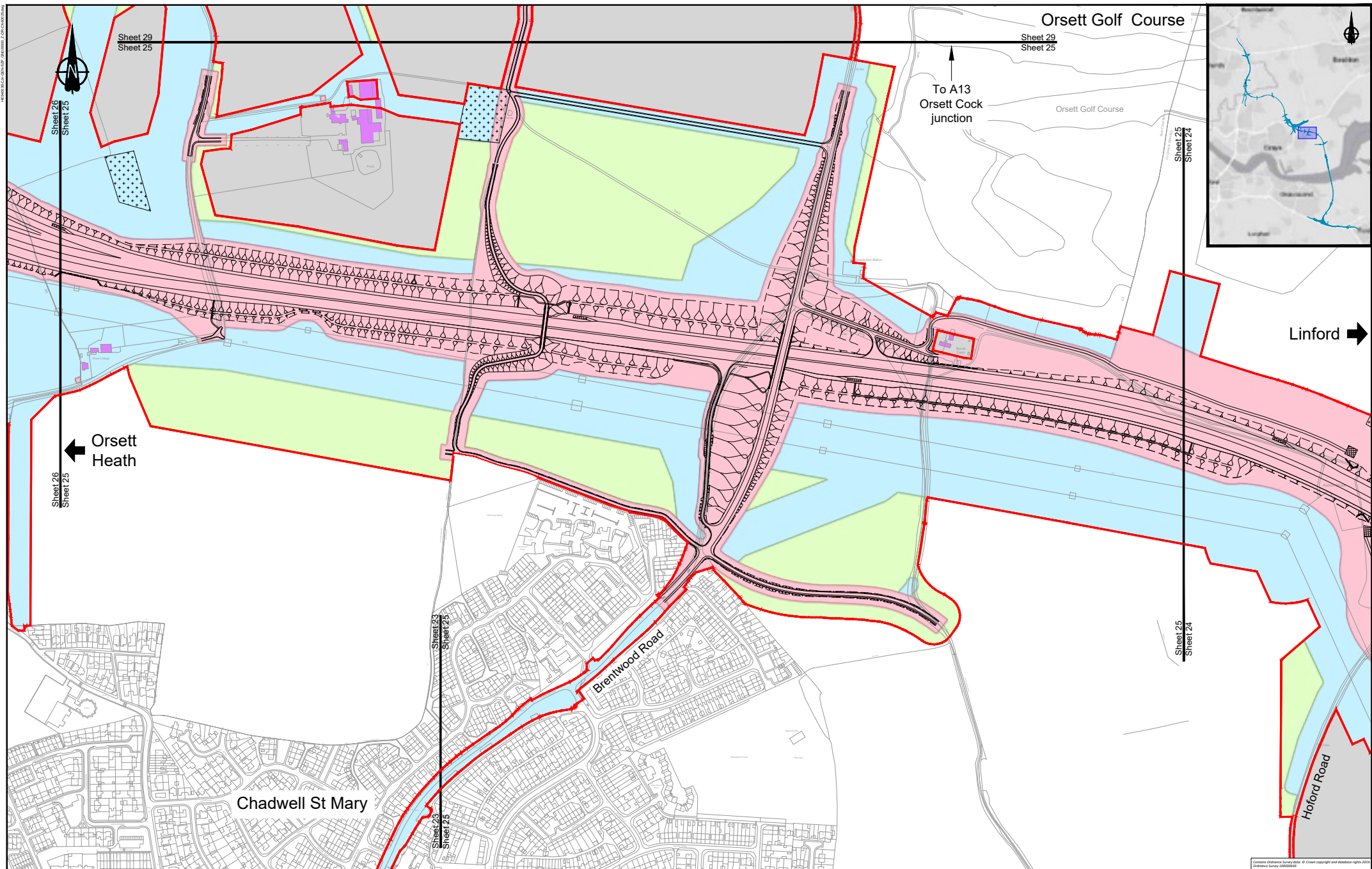
highways
england

**PROPOSALS FOR
CONSULTATION**

Project LOWER THAMES CROSSING
COMMUNITY IMPACTS CONSULTATION

Drawing title

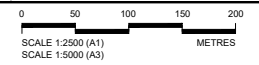
LAND USE PLAN
SHEET 23



LEGEND:

Flood compensation area	Permanent Acquisition of Subsoil and Rights
Order limits	Permanent Acquisition of Land
Environmental mitigation	Temporary Possession of Land Only
Building requiring demolition	Temporary Possession of Land and Permanent Acquisition of Rights
Building access affected/building partially affected	Permanent Acquisition of Subsoil and Rights and Temporary Possession of Land at Surface
	Land not included within the Order limits

NOTES:
 1. Refer to the General Arrangement map book for open space provision, replacement open space and replacement common land.



Client

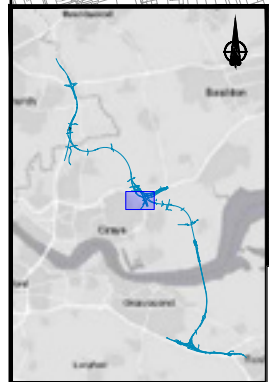
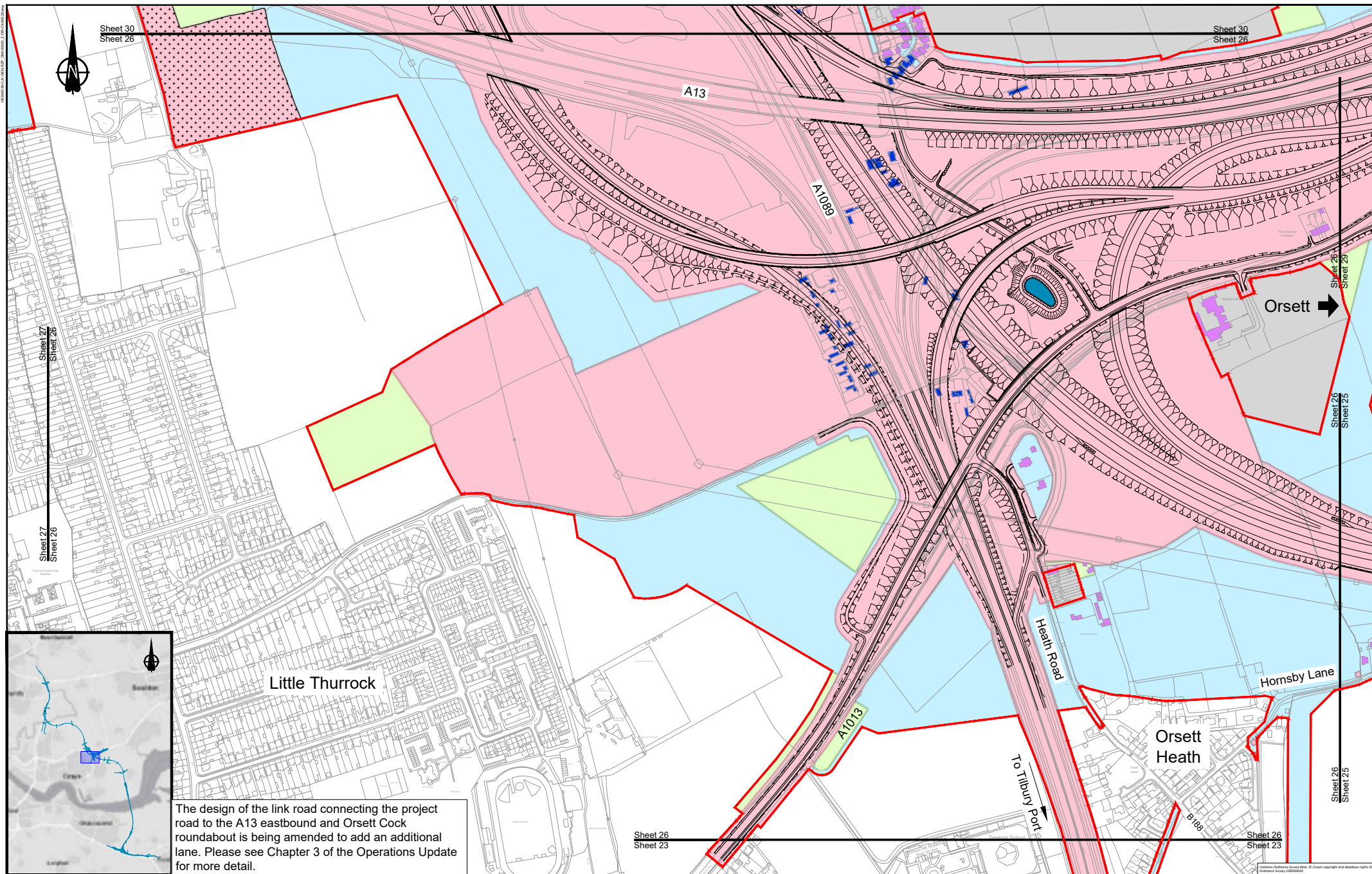
PROPOSALS FOR CONSULTATION

Project **LOWER THAMES CROSSING COMMUNITY IMPACTS CONSULTATION**

Drawing title **LAND USE PLAN SHEET 25**

HEWLETT/CALDWELL/24/0000_25/000000_25/00000000

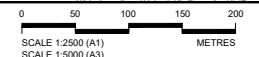
Common Database Survey data. © Crown copyright and database rights 2024. Ordnance Survey 100049494



The design of the link road connecting the project road to the A13 eastbound and Orsett Cock roundabout is being amended to add an additional lane. Please see Chapter 3 of the Operations Update for more detail.

LEGEND:	
	Flood compensation area
	Order limits
	Environmental mitigation
	Building requiring demolition
	Building access affected/partially affected
	Permanent Acquisition of Subsoil and Rights
	Permanent Acquisition of Land
	Temporary Possession of Land Only
	Temporary Possession of Land and Permanent Acquisition of Rights
	Permanent Acquisition of Subsoil and Rights and Temporary Possession of Land at Surface
	Land not included within the Order limits

NOTES:
 1. Refer to the General Arrangement map book for open space provision, replacement open space and replacement common land.



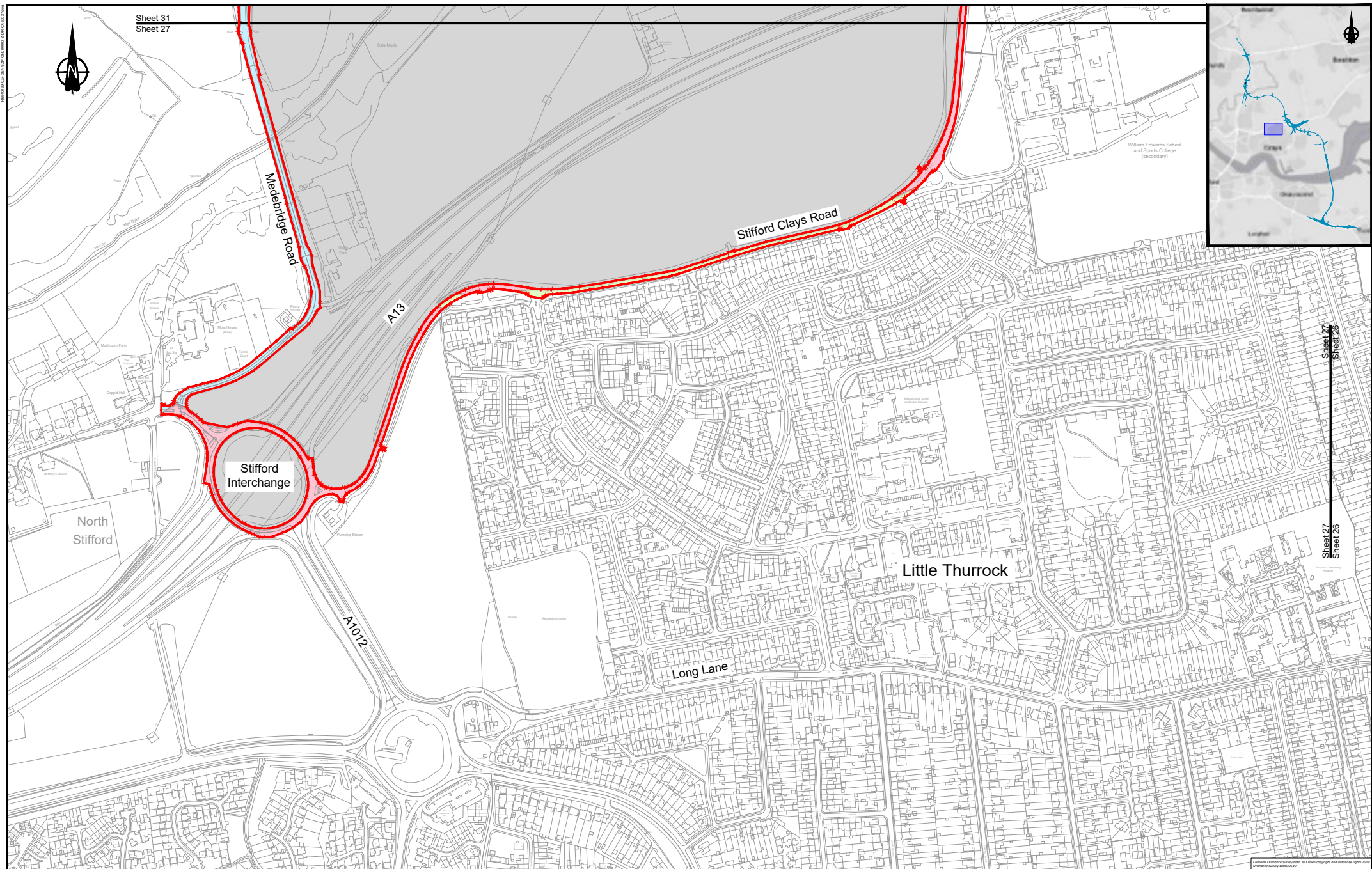
Client

PROPOSALS FOR CONSULTATION

Project **LOWER THAMES CROSSING**
 COMMUNITY IMPACTS CONSULTATION

Drawing title **LAND USE PLAN**
SHEET 26

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Sheet 31
Sheet 27



Stifford Interchange

North Stifford

Little Thurrock

Long Lane

Meldebridge Road

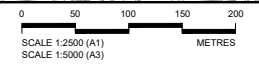
Stifford Clays Road

A13

A102

LEGEND:	
	Flood compensation area
	Order limits
	Environmental mitigation
	Building requiring demolition
	Building access affected/building partially affected
	Permanent Acquisition of Subsoil and Rights
	Permanent Acquisition of Land
	Temporary Possession of Land Only
	Temporary Possession of Land and Permanent Acquisition of Rights
	Permanent Acquisition of Subsoil and Rights and Temporary Possession of Land at Surface
	Land not included within the Order limits

NOTES:
1. Refer to the General Arrangement map book for open space provision, replacement open space and replacement common land.



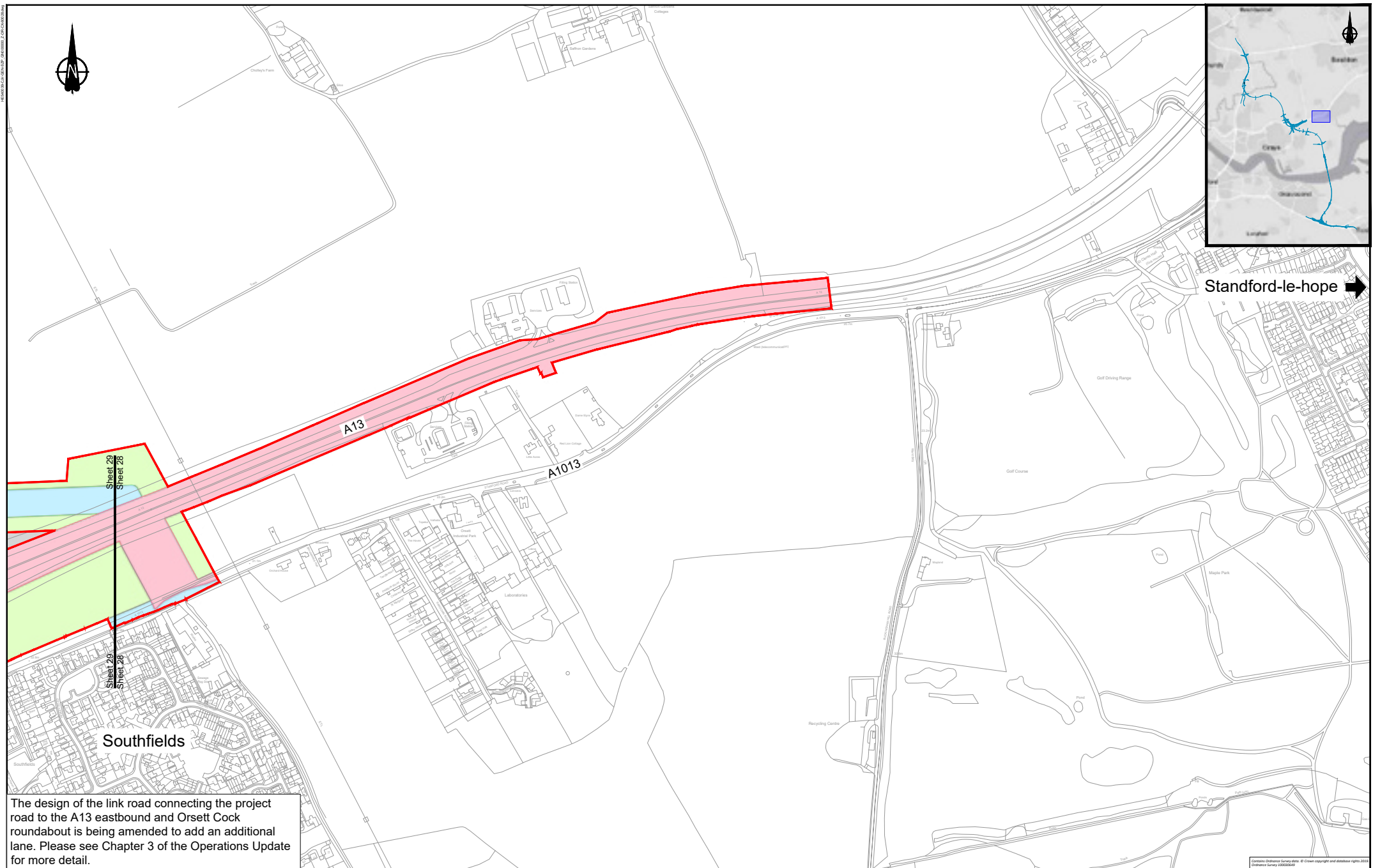
Client
highways england
PROPOSALS FOR CONSULTATION

Project
LOWER THAMES CROSSING COMMUNITY IMPACTS CONSULTATION
Drawing title
LAND USE PLAN SHEET 27

Sheet 27
Sheet 26

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HEW00124/CA/ENR/20/0000_2/00/0000_2/00/0000



Standford-le-hope →

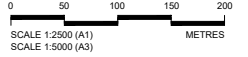
Southfields

The design of the link road connecting the project road to the A13 eastbound and Orsett Cock roundabout is being amended to add an additional lane. Please see Chapter 3 of the Operations Update for more detail.

LEGEND:	
	Flood compensation area
	Order limits
	Environmental mitigation
	Building requiring demolition
	Building access affected/building partially affected
	Permanent Acquisition of Subsoil and Rights
	Permanent Acquisition of Land
	Temporary Possession of Land Only
	Temporary Possession of Land and Permanent Acquisition of Rights
	Permanent Acquisition of Subsoil and Rights and Temporary Possession of Land at Surface
	Land not included within the Order limits

NOTES:

1. Refer to the General Arrangement map book for open space provision, replacement open space and replacement common land.



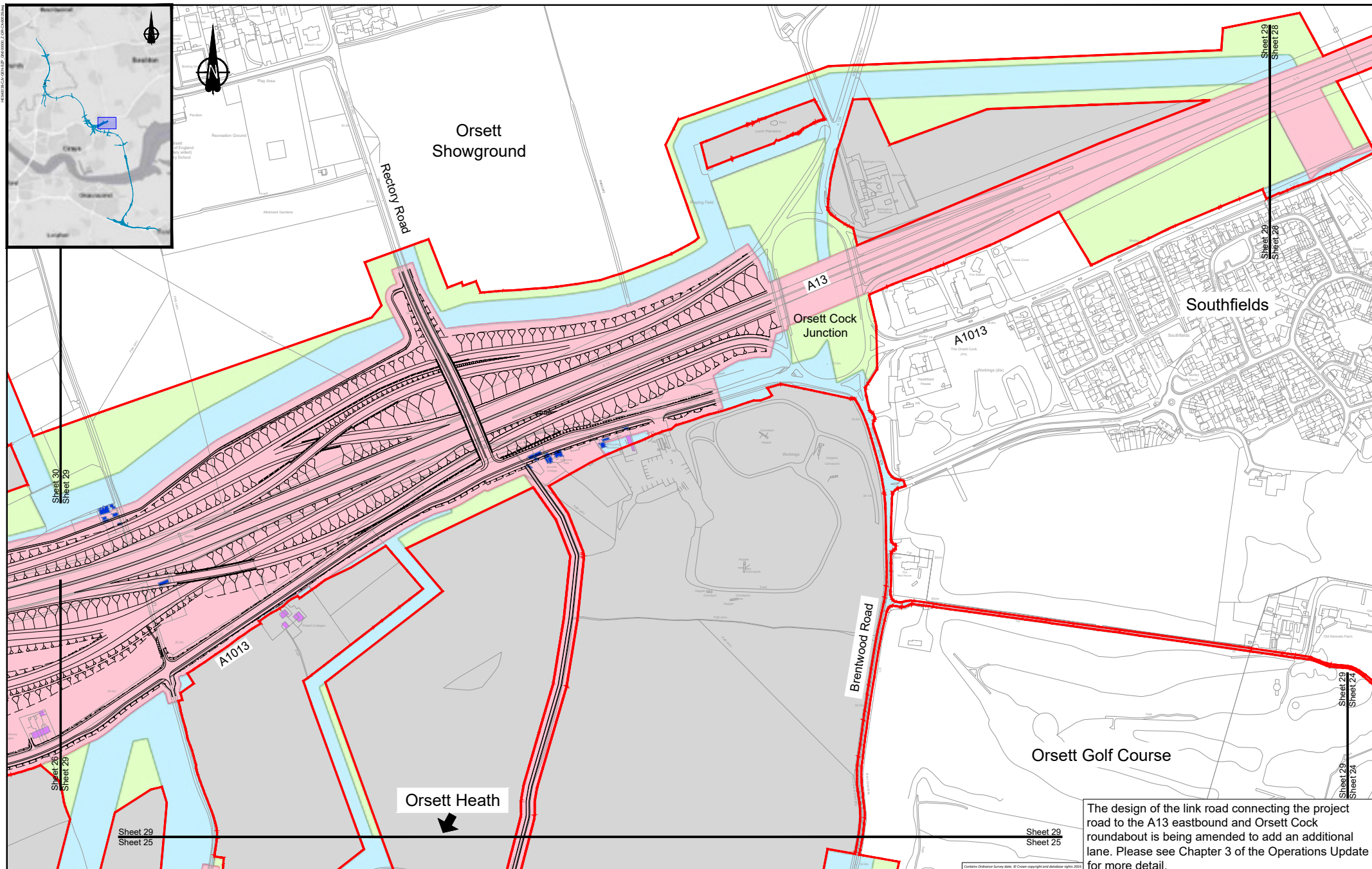
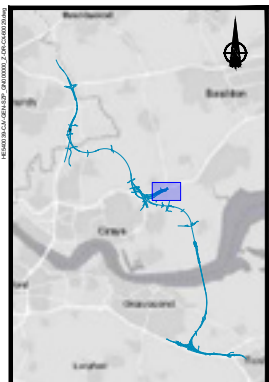
Client

PROPOSALS FOR CONSULTATION

Project **LOWER THAMES CROSSING**
COMMUNITY IMPACTS CONSULTATION
 Drawing title

LAND USE PLAN
SHEET 28

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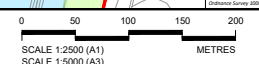


LEGEND:

Flood compensation area	Permanent Acquisition of Subsoil and Rights
Order limits	Permanent Acquisition of Land
Environmental mitigation	Temporary Possession of Land Only
Building requiring demolition	Temporary Possession of Land and Permanent Acquisition of Rights
Building access affected/building partially affected	Permanent Acquisition of Subsoil and Rights and Temporary Possession of Land at Surface
	Land not included within the Order limits

NOTES:

1. Refer to the General Arrangement map book for open space provision, replacement open space and replacement common land.



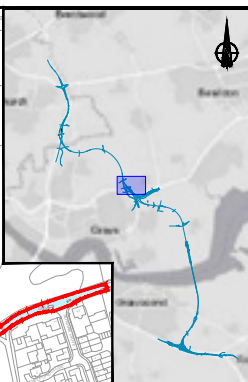
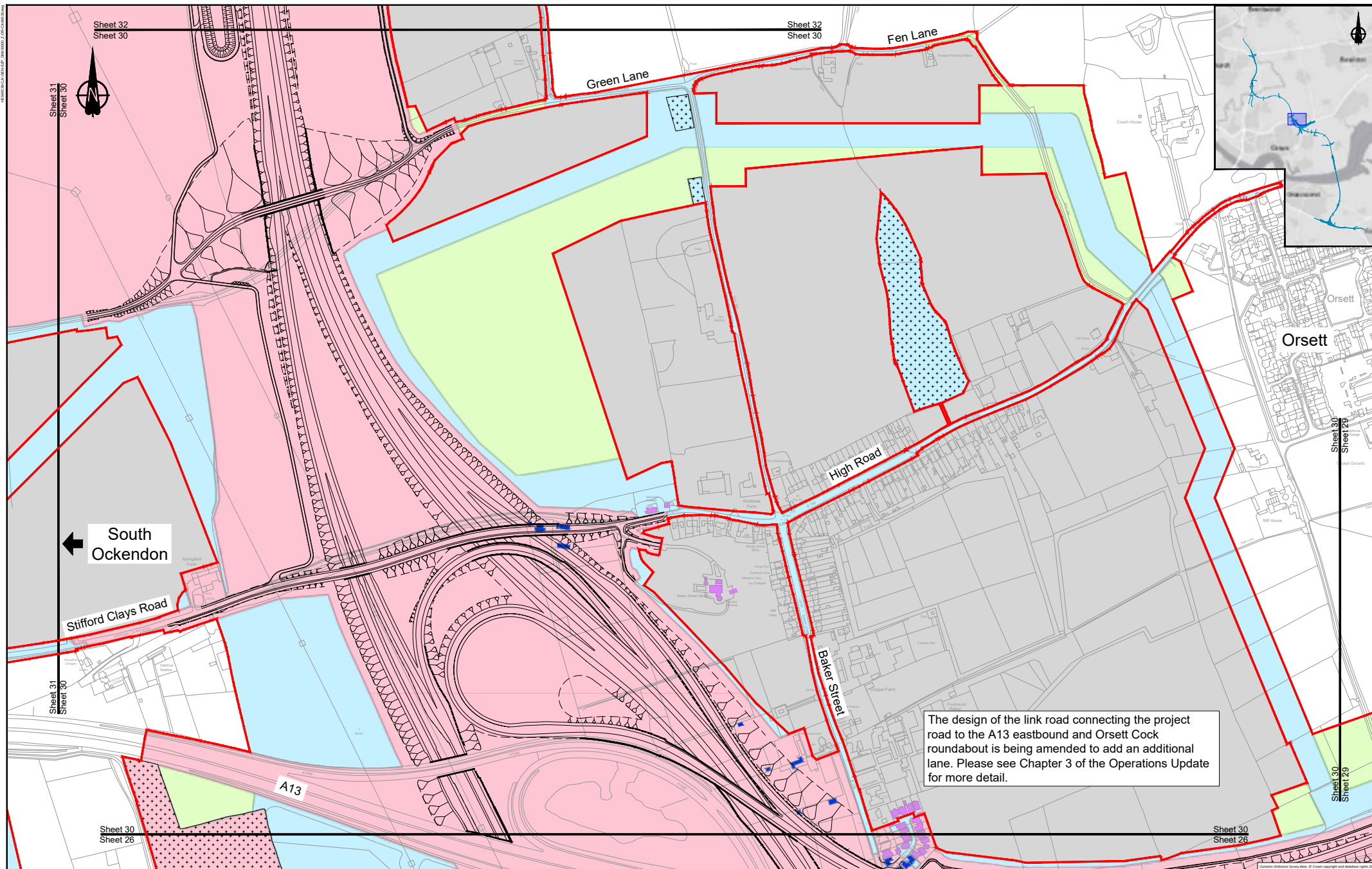
The design of the link road connecting the project road to the A13 eastbound and Orsett Cock roundabout is being amended to add an additional lane. Please see Chapter 3 of the Operations Update for more detail.

PROPOSALS FOR CONSULTATION

Project LOWER THAMES CROSSING
COMMUNITY IMPACTS CONSULTATION
Drawing title LAND USE PLAN
SHEET 29



Client



The design of the link road connecting the project road to the A13 eastbound and Orsett Cock roundabouts is being amended to add an additional lane. Please see Chapter 3 of the Operations Update for more detail.

LEGEND:	
	Flood compensation area
	Order limits
	Environmental mitigation
	Building requiring demolition
	Building access affected/partially affected
	Permanent Acquisition of Subsoil and Rights
	Permanent Acquisition of Land
	Temporary Possession of Land Only
	Temporary Possession of Land and Permanent Acquisition of Rights
	Permanent Acquisition of Subsoil and Rights and Temporary Possession of Land at Surface
	Land not included within the Order limits

NOTES:
 1. Refer to the General Arrangement map book for open space provision, replacement open space and replacement common land.



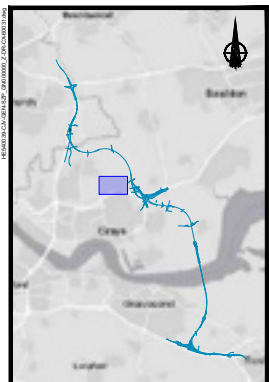
highways england

PROPOSALS FOR CONSULTATION

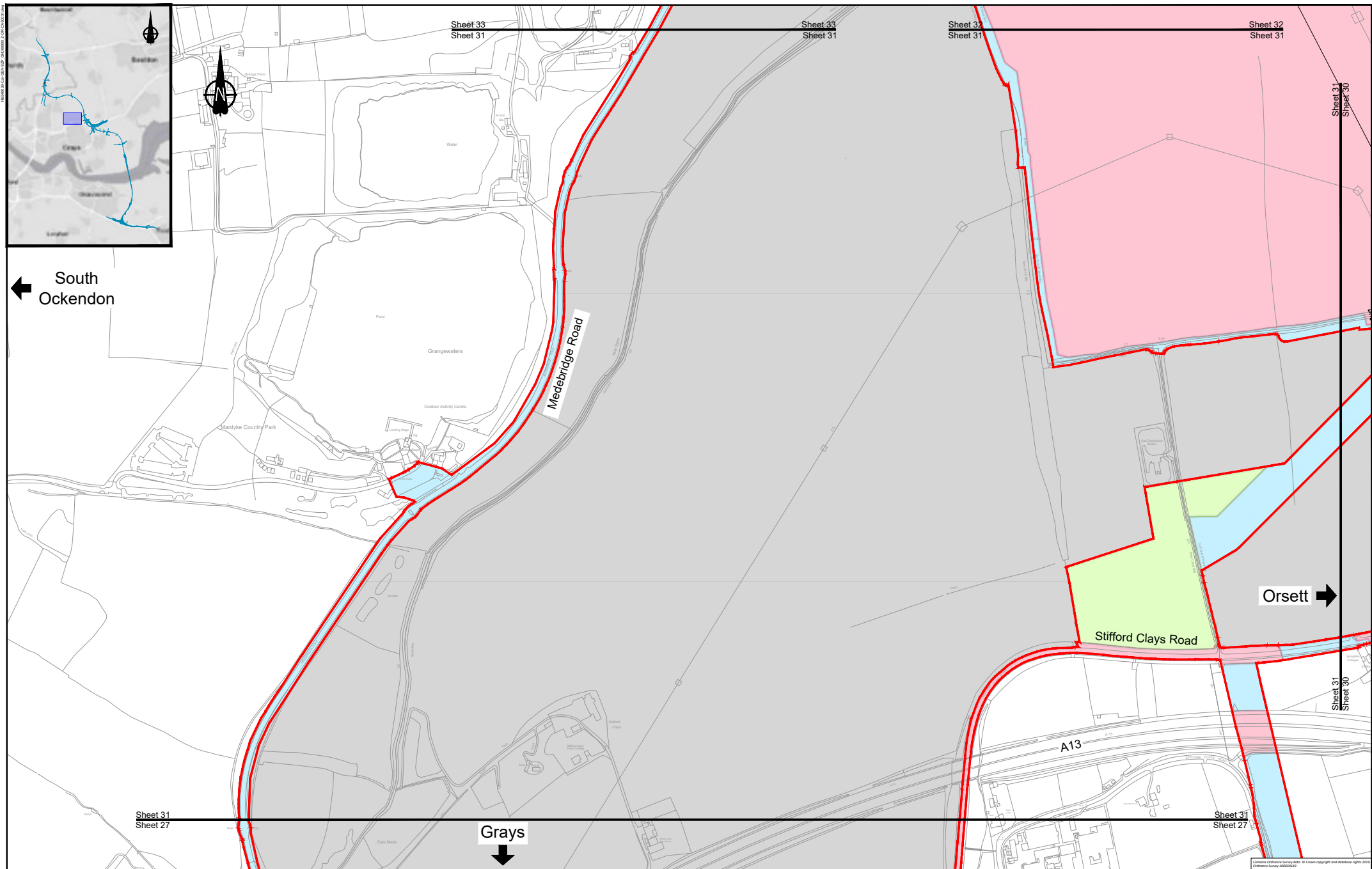
Project: LOWER THAMES CROSSING
 COMMUNITY IMPACTS CONSULTATION

Drawing title: LAND USE PLAN
 SHEET 30

HEW03BL/CA/EN/REP/2016/000_7_10/00000000



← South
Ockendon

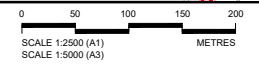


↓ Grays

Orsett →

LEGEND:	
	Flood compensation area
	Order limits
	Environmental mitigation
	Building requiring demolition
	Building access affected/building partially affected
	Permanent Acquisition of Subsoil and Rights
	Permanent Acquisition of Land
	Temporary Possession of Land Only
	Temporary Possession of Land and Permanent Acquisition of Rights
	Permanent Acquisition of Subsoil and Rights and Temporary Possession of Land at Surface
	Land not included within the Order limits

NOTES:
1. Refer to the General Arrangement map book for open space provision, replacement open space and replacement common land.

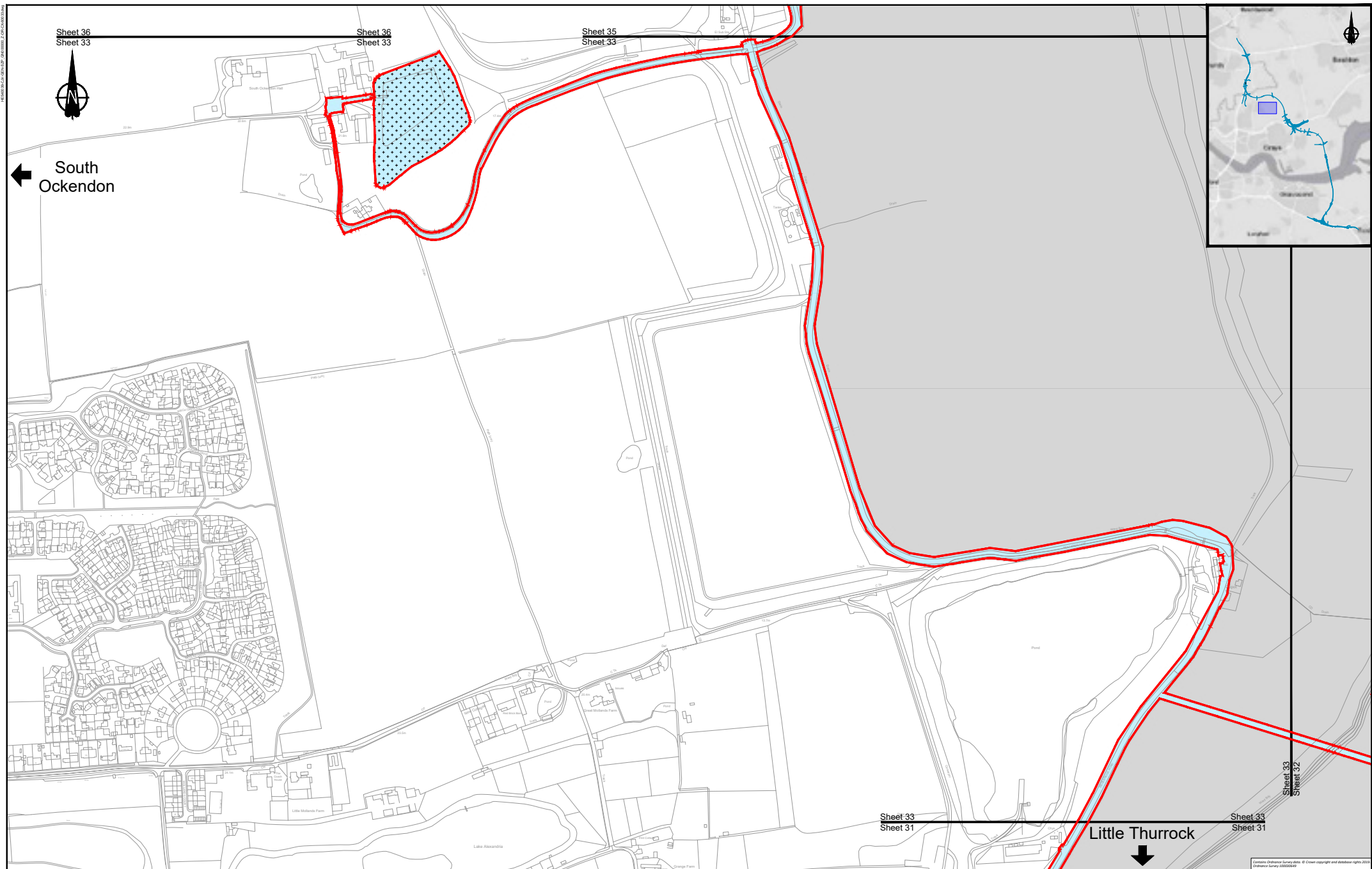


PROPOSALS FOR CONSULTATION

Project: LOWER THAMES CROSSING
COMMUNITY IMPACTS CONSULTATION

Drawing title: LAND USE PLAN
SHEET 31

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Sheet 36
Sheet 33

Sheet 36
Sheet 33

Sheet 35
Sheet 33

Sheet 33
Sheet 31

Sheet 33
Sheet 31

Sheet 33
Sheet 32

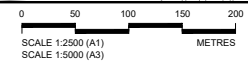
← South
Ockendon

Little Thurrock

LEGEND:

Flood compensation area	Permanent Acquisition of Subsoil and Rights
Order limits	Permanent Acquisition of Land
Environmental mitigation	Temporary Possession of Land Only
Building requiring demolition	Temporary Possession of Land and Permanent Acquisition of Rights
Building access affected/partially affected	Permanent Acquisition of Subsoil and Rights and Temporary Possession of Land at Surface
	Land not included within the Order limits

NOTES:
1. Refer to the General Arrangement map book for open space provision, replacement open space and replacement common land.



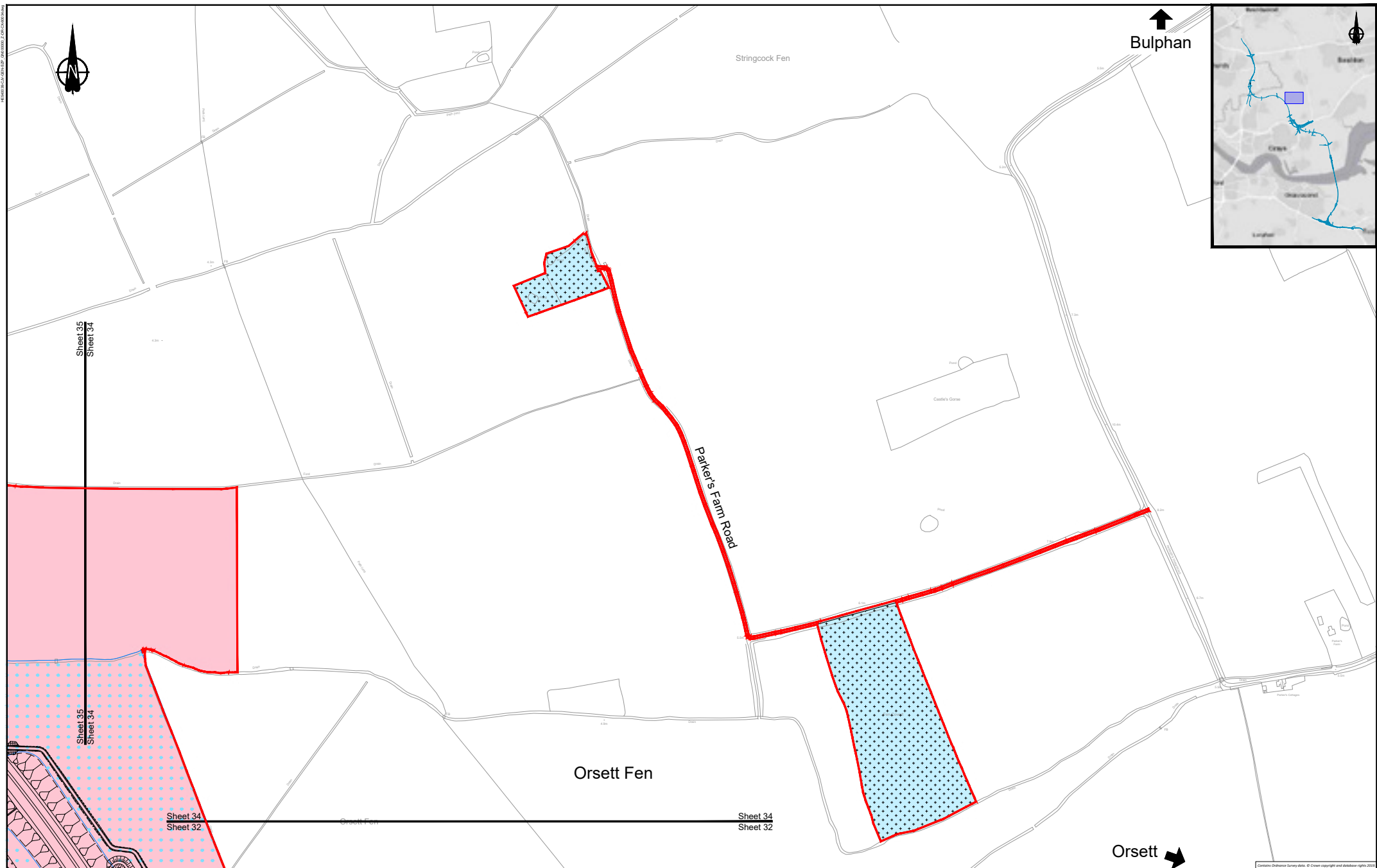
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PROPOSALS FOR CONSULTATION

Project **LOWER THAMES CROSSING**
COMMUNITY IMPACTS CONSULTATION

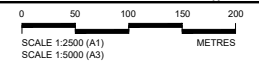
Drawing title **LAND USE PLAN**
SHEET 33

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LEGEND:	
	Flood compensation area
	Order limits
	Environmental mitigation
	Building requiring demolition
	Building access affected/building partially affected
	Permanent Acquisition of Subsoil and Rights
	Permanent Acquisition of Land
	Temporary Possession of Land Only
	Temporary Possession of Land and Permanent Acquisition of Rights
	Permanent Acquisition of Subsoil and Rights and Temporary Possession of Land at Surface
	Land not included within the Order limits

NOTES:
 1. Refer to the General Arrangement map book for open space provision, replacement open space and replacement common land.



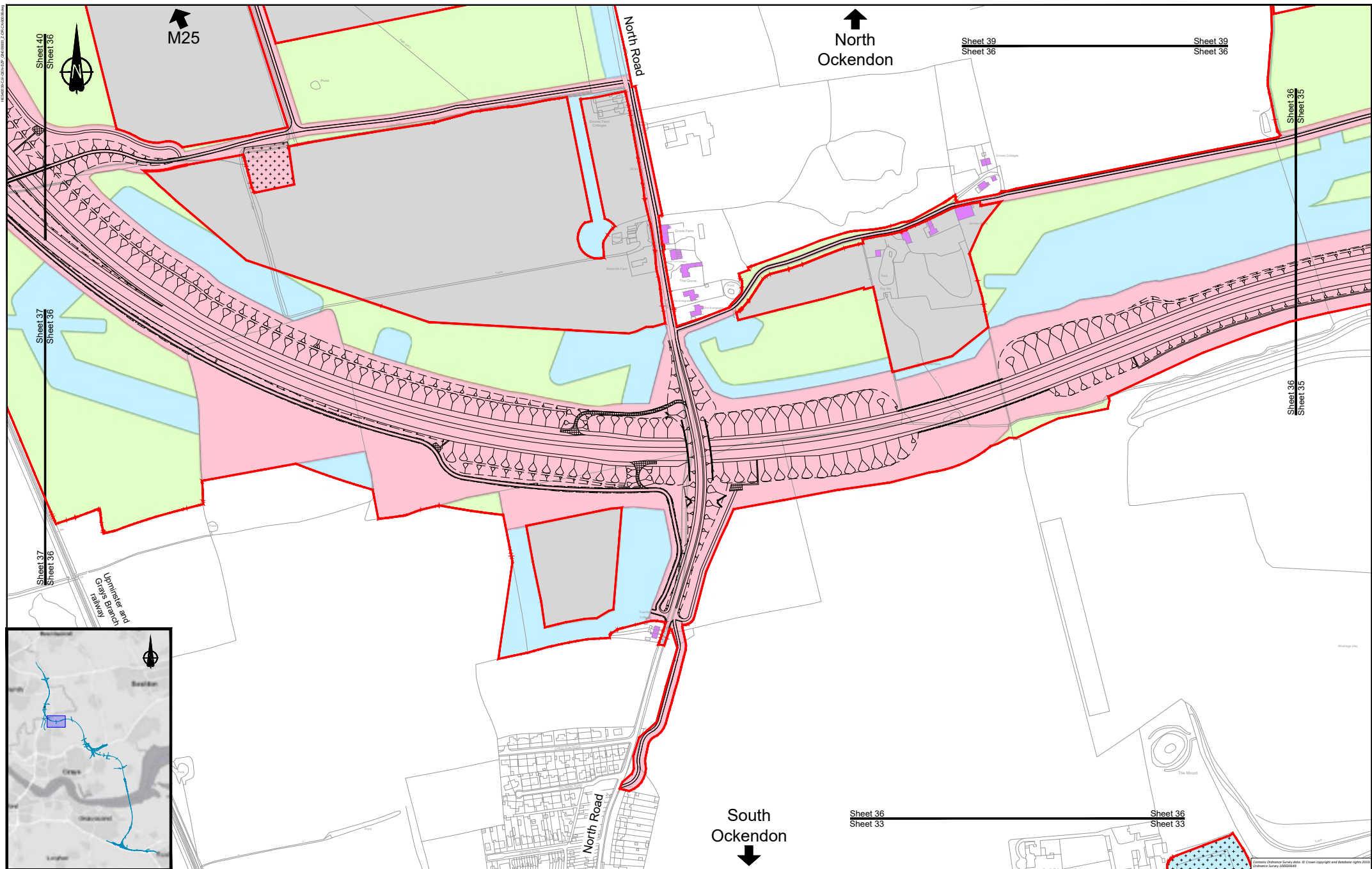
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PROPOSALS FOR CONSULTATION

Project **LOWER THAMES CROSSING**
COMMUNITY IMPACTS CONSULTATION

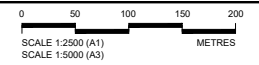
Drawing title **LAND USE PLAN**
SHEET 34

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- LEGEND:**
- Flood compensation area
 - Permanent Acquisition of Subsoil and Rights
 - Permanent Acquisition of Land
 - Temporary Possession of Land Only
 - Temporary Possession of Land and Permanent Acquisition of Rights
 - Permanent Acquisition of Subsoil and Rights and Temporary Possession of Land at Surface
 - Land not included within the Order limits
 - Order limits
 - Environmental mitigation
 - Building requiring demolition
 - Building access affected/partially affected

NOTES:
 1. Refer to the General Arrangement map book for open space provision, replacement open space and replacement common land.



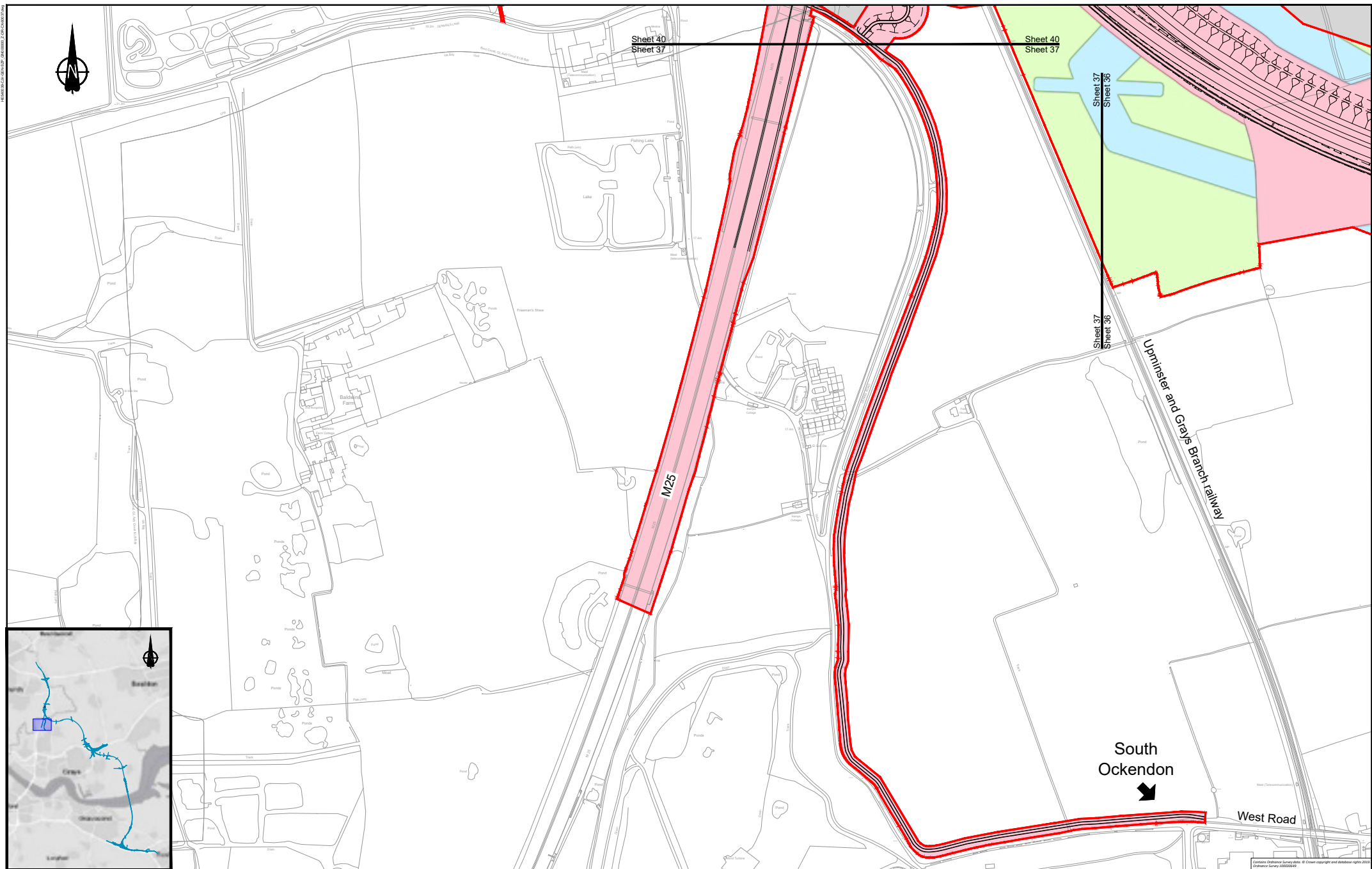
Client **highways england**

PROPOSALS FOR CONSULTATION

Project **LOWER THAMES CROSSING COMMUNITY IMPACTS CONSULTATION**

Drawing title **LAND USE PLAN SHEET 36**

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Sheet 40
Sheet 37

Sheet 40
Sheet 37

Sheet 37
Sheet 36
Sheet 37
Sheet 36

M25

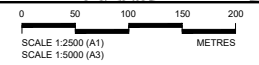
Uxminster and Gray's Branch railway

South Ockendon
↓

West Road

LEGEND:	
	Flood compensation area
	Order limits
	Environmental mitigation
	Building requiring demolition
	Building access affected/partially affected
	Permanent Acquisition of Subsoil and Rights
	Permanent Acquisition of Land
	Temporary Possession of Land Only
	Temporary Possession of Land and Permanent Acquisition of Rights
	Permanent Acquisition of Subsoil and Rights and Temporary Possession of Land at Surface
	Land not included within the Order limits

NOTES:
1. Refer to the General Arrangement map book for open space provision, replacement open space and replacement common land.



Client

PROPOSALS FOR CONSULTATION

Project **LOWER THAMES CROSSING COMMUNITY IMPACTS CONSULTATION**

Drawing title **LAND USE PLAN SHEET 37**

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HEM0303/CA/ENR/EP/20/0000_2.00/00000000



M25

Fen Lane

Church Road

Bulphan

Bulphan

North Ockendon

Basildon



LEGEND:	
	Flood compensation area
	Order limits
	Environmental mitigation
	Building requiring demolition
	Building access affected/building partially affected
	Permanent Acquisition of Subsoil and Rights
	Permanent Acquisition of Land
	Temporary Possession of Land Only
	Temporary Possession of Land and Permanent Acquisition of Rights
	Permanent Acquisition of Subsoil and Rights and Temporary Possession of Land at Surface
	Land not included within the Order limits

NOTES:
 1. Refer to the General Arrangement map book for open space provision, replacement open space and replacement common land.

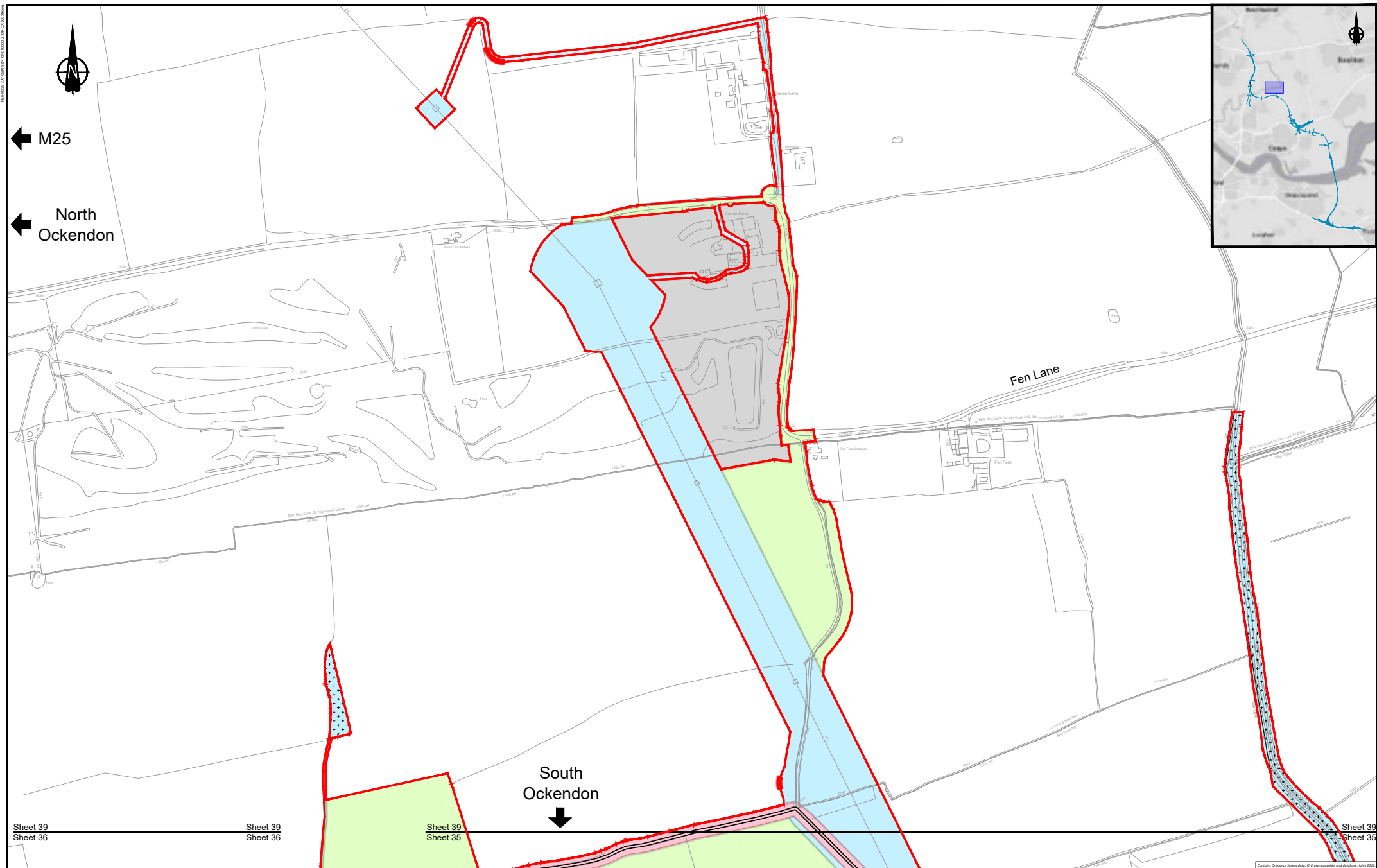


Client

PROPOSALS FOR CONSULTATION

Project
**LOWER THAMES CROSSING
 COMMUNITY IMPACTS CONSULTATION**
 Drawing title
**LAND USE PLAN
 SHEET 38**

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LEGEND:

Flood compensation area	Permanent Acquisition of Subsoil and Rights
Order limits	Permanent Acquisition of Land
Environmental mitigation	Temporary Possession of Land Only
Building requiring demolition	Temporary Possession of Land and Permanent Acquisition of Rights
Building access affected/building partially affected	Permanent Acquisition of Subsoil and Rights and Temporary Possession of Land at Surface
	Land not included within the Order limits

NOTES:
 1. Refer to the General Arrangement map book for open space provision, replacement open space and replacement common land.



Client

PROPOSALS FOR CONSULTATION

Project **LOWER THAMES CROSSING COMMUNITY IMPACTS CONSULTATION**

Drawing title **LAND USE PLAN SHEET 39**

Sheet 39
Sheet 36

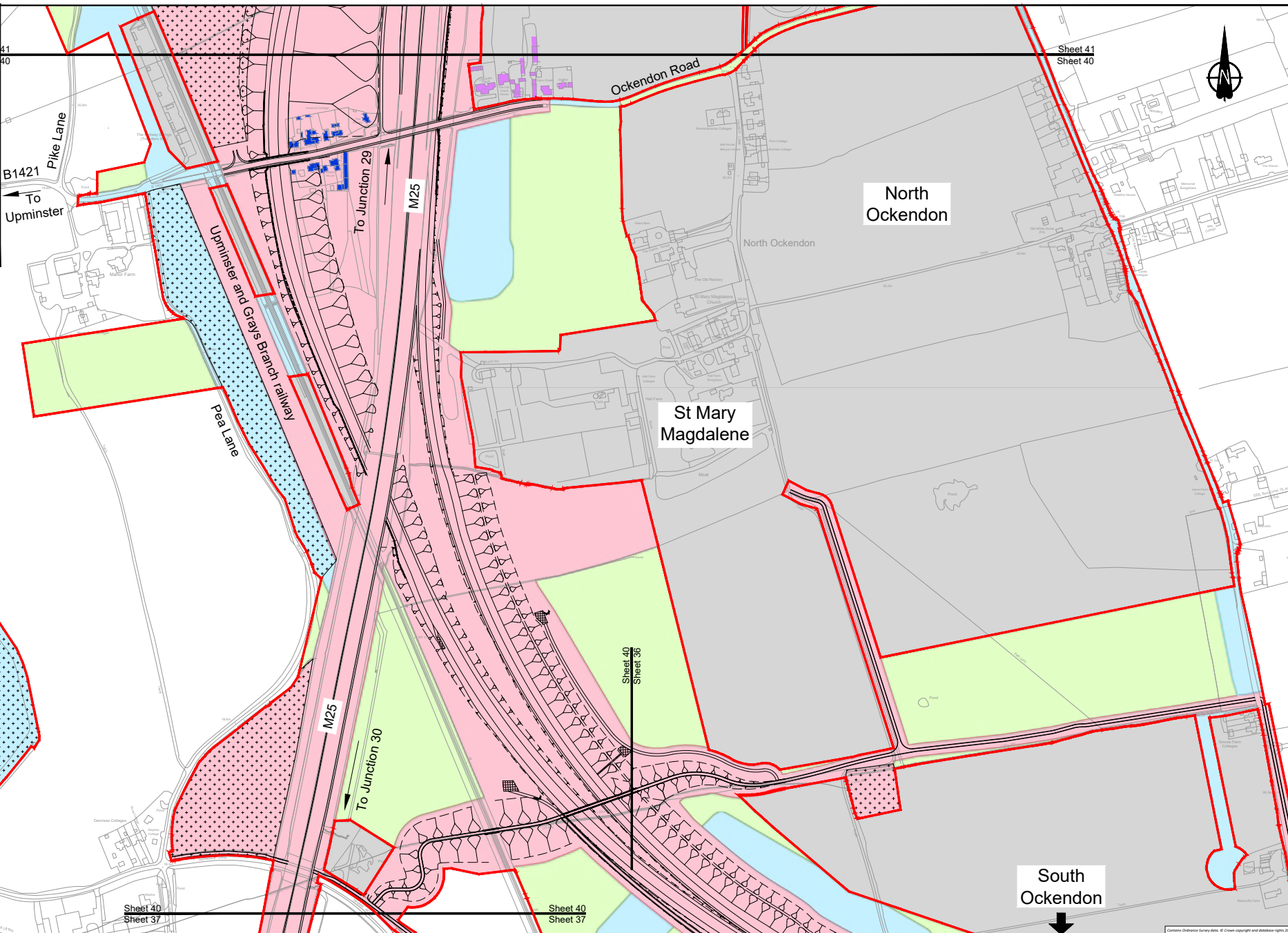
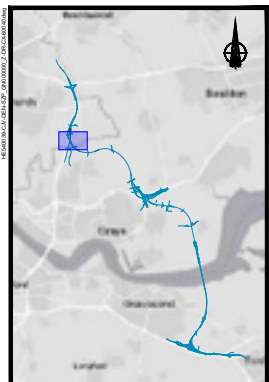
Sheet 39
Sheet 36

Sheet 39
Sheet 35

Sheet 39
Sheet 35

HEW0303/CA/ENR/2016/0000_2/00/00000000

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41
40

Sheet 41
Sheet 40

B1421
To
Upminster

Ockendon Road

North
Ockendon

North Ockendon

St Mary
Magdalene

South
Ockendon

Sheet 40
Sheet 37

Sheet 40
Sheet 37

LEGEND:

Flood compensation area	Permanent Acquisition of Subsoil and Rights
Order limits	Permanent Acquisition of Land
Environmental mitigation	Temporary Possession of Land Only
Building requiring demolition	Temporary Possession of Land and Permanent Acquisition of Rights
Building access affected/partially affected	Permanent Acquisition of Subsoil and Rights and Temporary Possession of Land at Surface
	Land not included within the Order limits

NOTES:
1. Refer to the General Arrangement map book for open space provision, replacement open space and replacement common land.

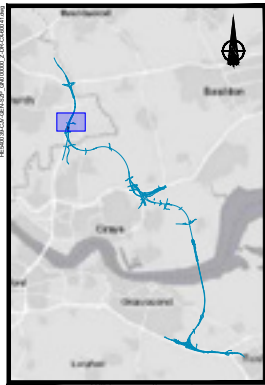


PROPOSALS FOR CONSULTATION

Project: **LOWER THAMES CROSSING COMMUNITY IMPACTS CONSULTATION**

Drawing title: **LAND USE PLAN SHEET 40**

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Sheet 42
Sheet 41

Sheet 42
Sheet 41

Thames Chase
Forest

North
Ockendon

Sheet 41
Sheet 40

Sheet 41
Sheet 40

LEGEND:	
	Flood compensation area
	Order limits
	Environmental mitigation
	Building requiring demolition
	Building access affected/building partially affected
	Permanent Acquisition of Subsoil and Rights
	Permanent Acquisition of Land
	Temporary Possession of Land Only
	Temporary Possession of Land and Permanent Acquisition of Rights
	Permanent Acquisition of Subsoil and Rights and Temporary Possession of Land at Surface
	Land not included within the Order limits

NOTES:
1. Refer to the General Arrangement map book for open space provision, replacement open space and replacement common land.



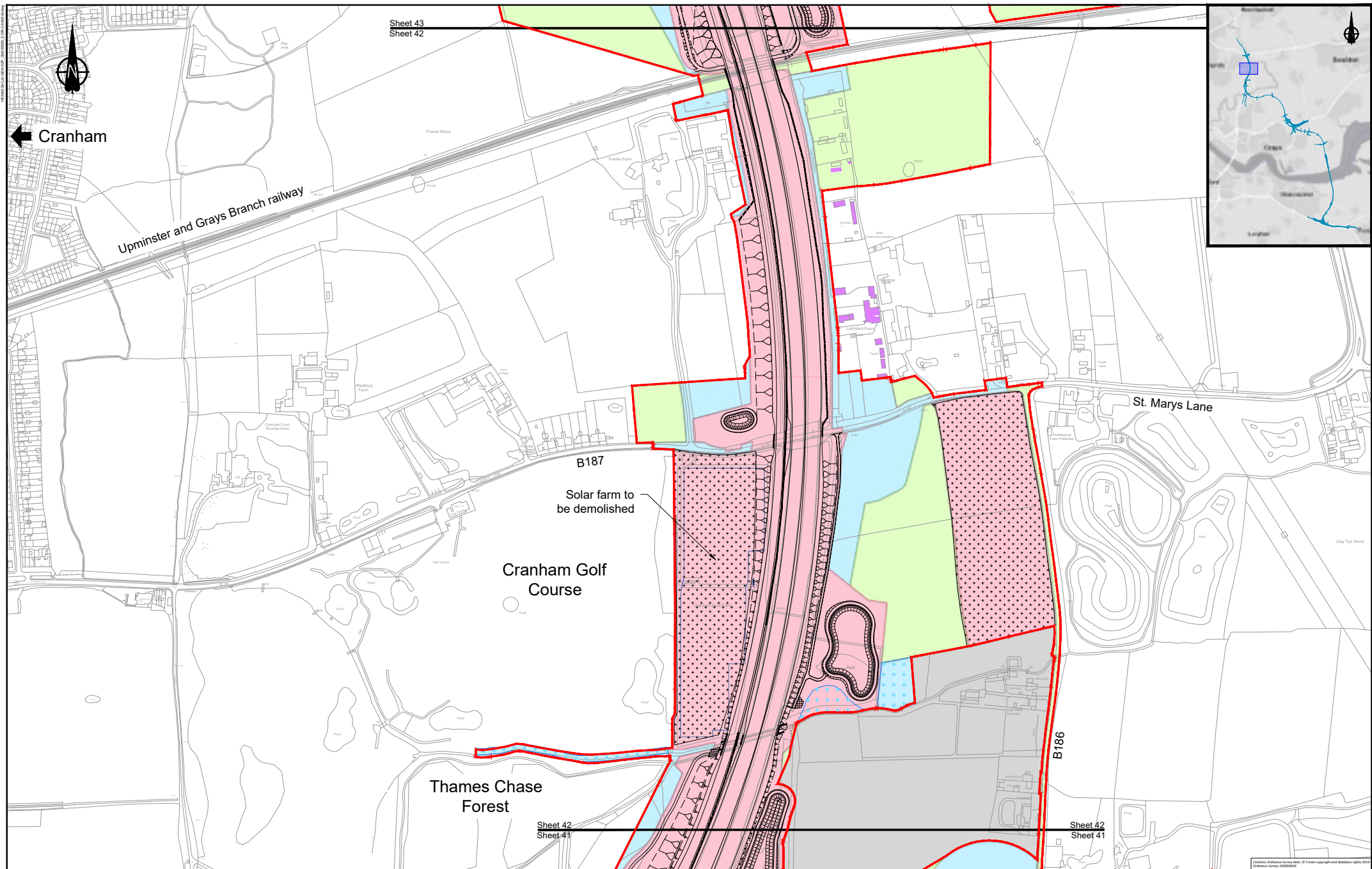
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PROPOSALS FOR CONSULTATION

Project **LOWER THAMES CROSSING COMMUNITY IMPACTS CONSULTATION**

Drawing title **LAND USE PLAN SHEET 41**

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Sheet 43
Sheet 42

B187

Solar farm to be demolished

Cranham Golf Course

Thames Chase Forest

St. Marys Lane

B186

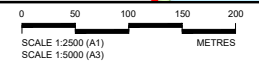
Sheet 42
Sheet 41

Sheet 42
Sheet 41

LEGEND:

Flood compensation area	Permanent Acquisition of Subsoil and Rights
Order limits	Permanent Acquisition of Land
Environmental mitigation	Temporary Possession of Land Only
Building requiring demolition	Temporary Possession of Land and Permanent Acquisition of Rights
Building access affected/building partially affected	Permanent Acquisition of Subsoil and Rights and Temporary Possession of Land at Surface
	Land not included within the Order limits

NOTES:
1. Refer to the General Arrangement map book for open space provision, replacement open space and replacement common land.



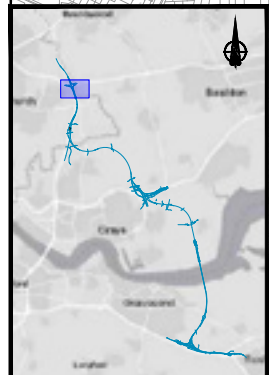
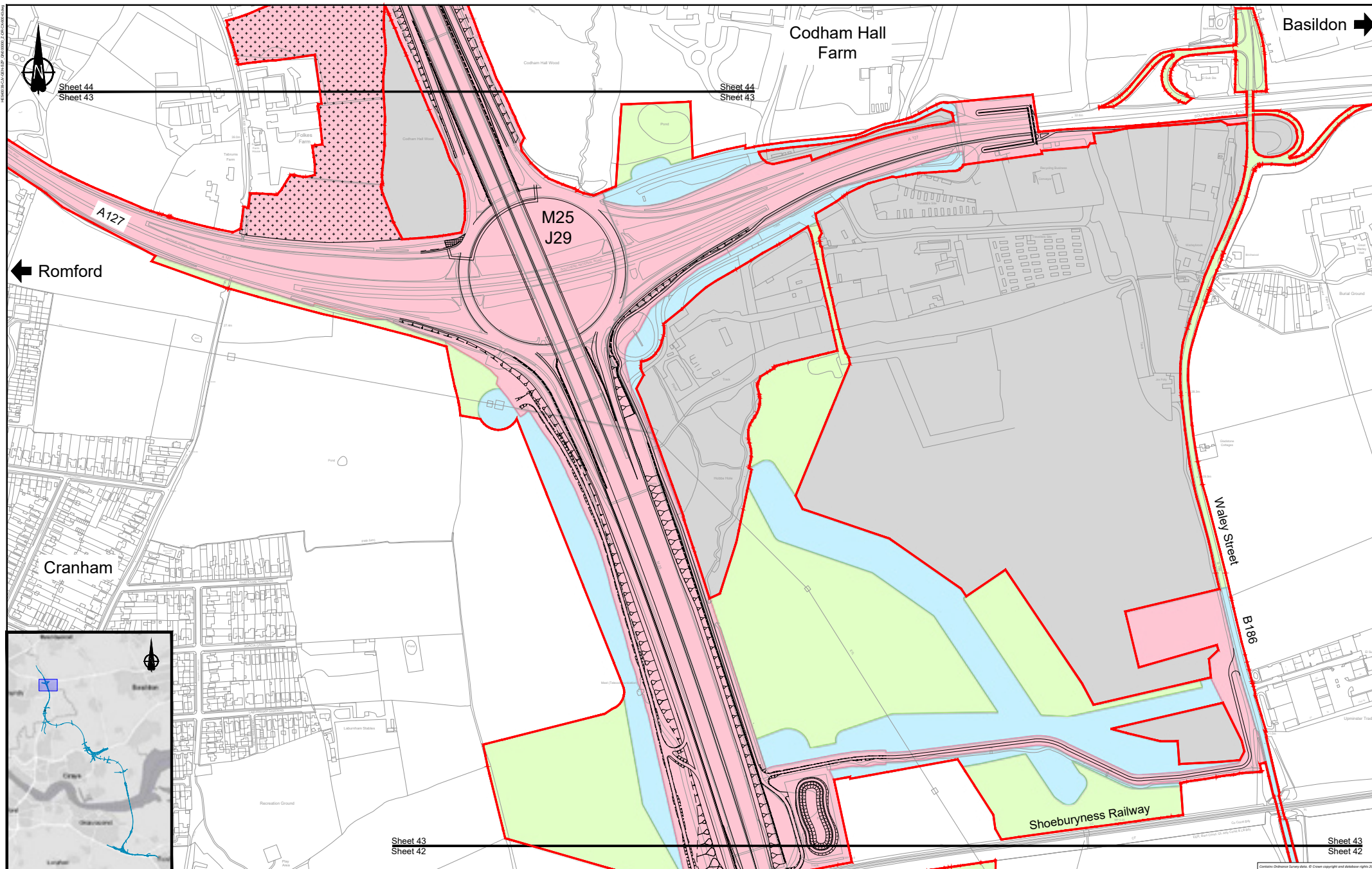
highways england

PROPOSALS FOR CONSULTATION

Project **LOWER THAMES CROSSING**
COMMUNITY IMPACTS CONSULTATION

Drawing title **LAND USE PLAN**
SHEET 42

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LEGEND:	
	Flood compensation area
	Order limits
	Environmental mitigation
	Building requiring demolition
	Building access affected/building partially affected
	Permanent Acquisition of Subsoil and Rights
	Permanent Acquisition of Land
	Temporary Possession of Land Only
	Temporary Possession of Land and Permanent Acquisition of Rights
	Permanent Acquisition of Subsoil and Rights and Temporary Possession of Land at Surface
	Land not included within the Order limits

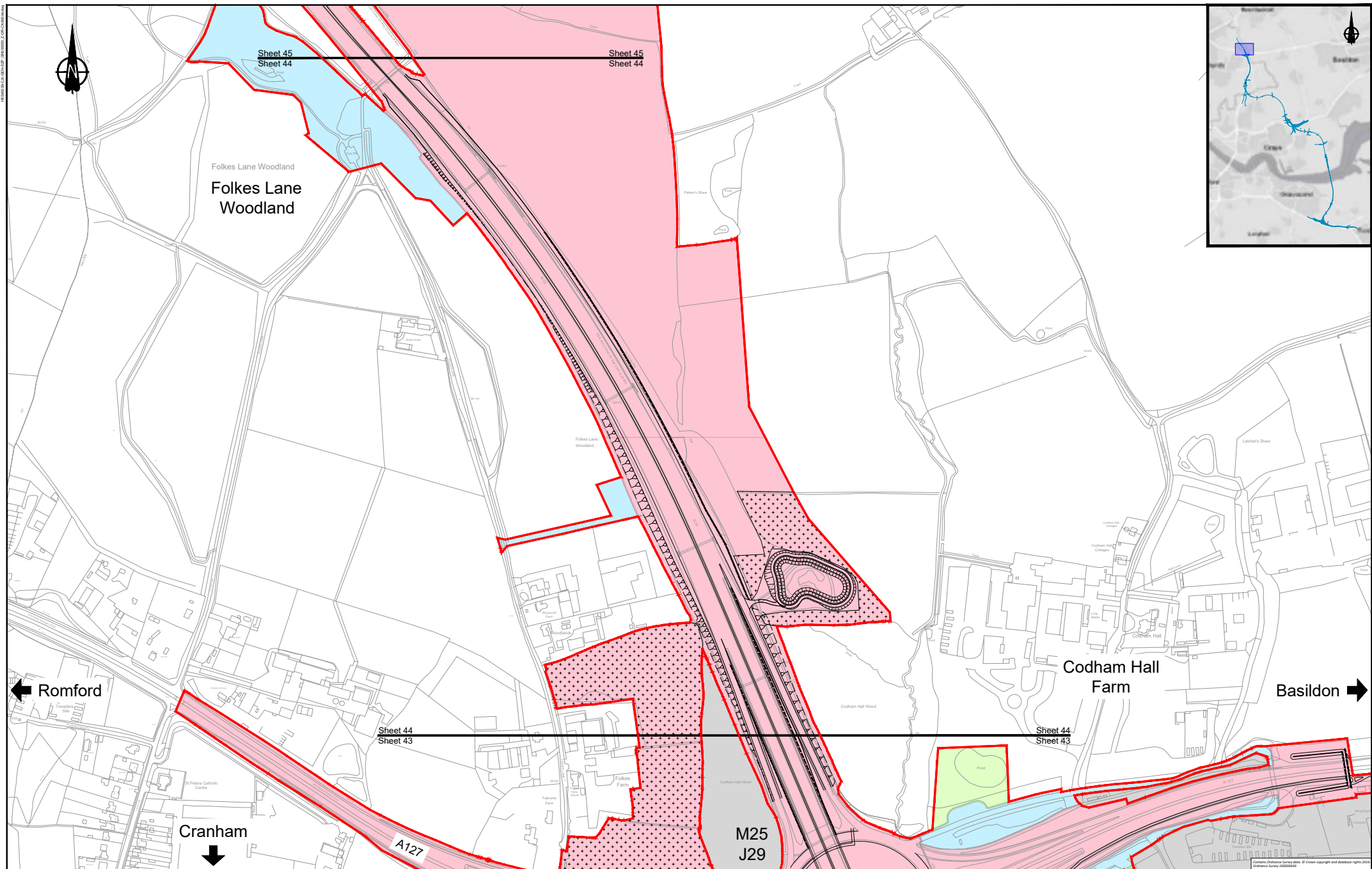
NOTES:
 1. Refer to the General Arrangement map book for open space provision, replacement open space and replacement common land.

0 50 100 150 200
 SCALE 1:2500 (A1)
 SCALE 1:5000 (A3)
 METRES

PROPOSALS FOR CONSULTATION

Project: **LOWER THAMES CROSSING**
COMMUNITY IMPACTS CONSULTATION
 Drawing title: **LAND USE PLAN**
SHEET 43

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LEGEND:	
	Flood compensation area
	Order limits
	Environmental mitigation
	Building requiring demolition
	Building access affected/building partially affected
	Permanent Acquisition of Subsoil and Rights
	Permanent Acquisition of Land
	Temporary Possession of Land Only
	Temporary Possession of Land and Permanent Acquisition of Rights
	Permanent Acquisition of Subsoil and Rights and Temporary Possession of Land at Surface
	Land not included within the Order limits

NOTES:
 1. Refer to the General Arrangement map book for open space provision, replacement open space and replacement common land.

0 50 100 150 200
 SCALE 1:2500 (A1)
 SCALE 1:5000 (A3)
 METRES

Client

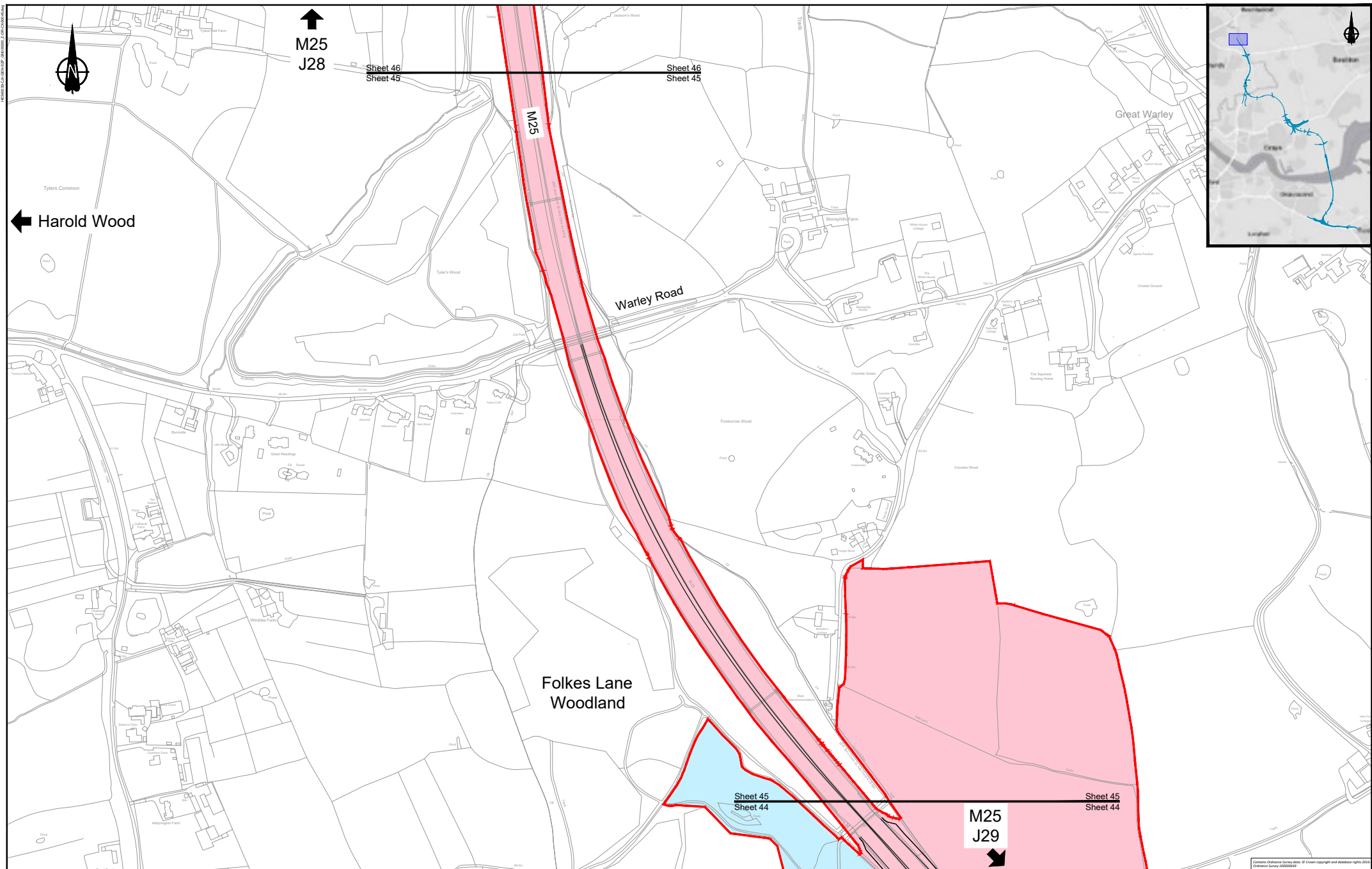
PROPOSALS FOR CONSULTATION

Project **LOWER THAMES CROSSING**
COMMUNITY IMPACTS CONSULTATION

Drawing title **LAND USE PLAN**
SHEET 44

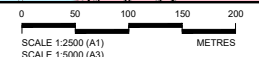
HEW00124/2019/012/20/0000_2_CDR_C0000001

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LEGEND:	
	Flood compensation area
	Order limits
	Environmental mitigation
	Building requiring demolition
	Building access affected/partially affected
	Permanent Acquisition of Subsoil and Rights
	Permanent Acquisition of Land
	Temporary Possession of Land Only
	Temporary Possession of Land and Permanent Acquisition of Rights
	Permanent Acquisition of Subsoil and Rights and Temporary Possession of Land at Surface
	Land not included within the Order limits

NOTES:
 1. Refer to the General Arrangement map book for open space provision, replacement open space and replacement common land.



Client

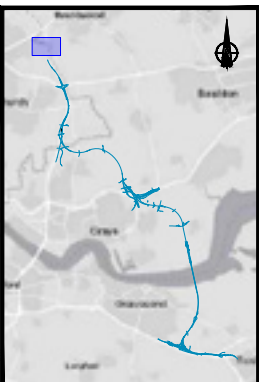
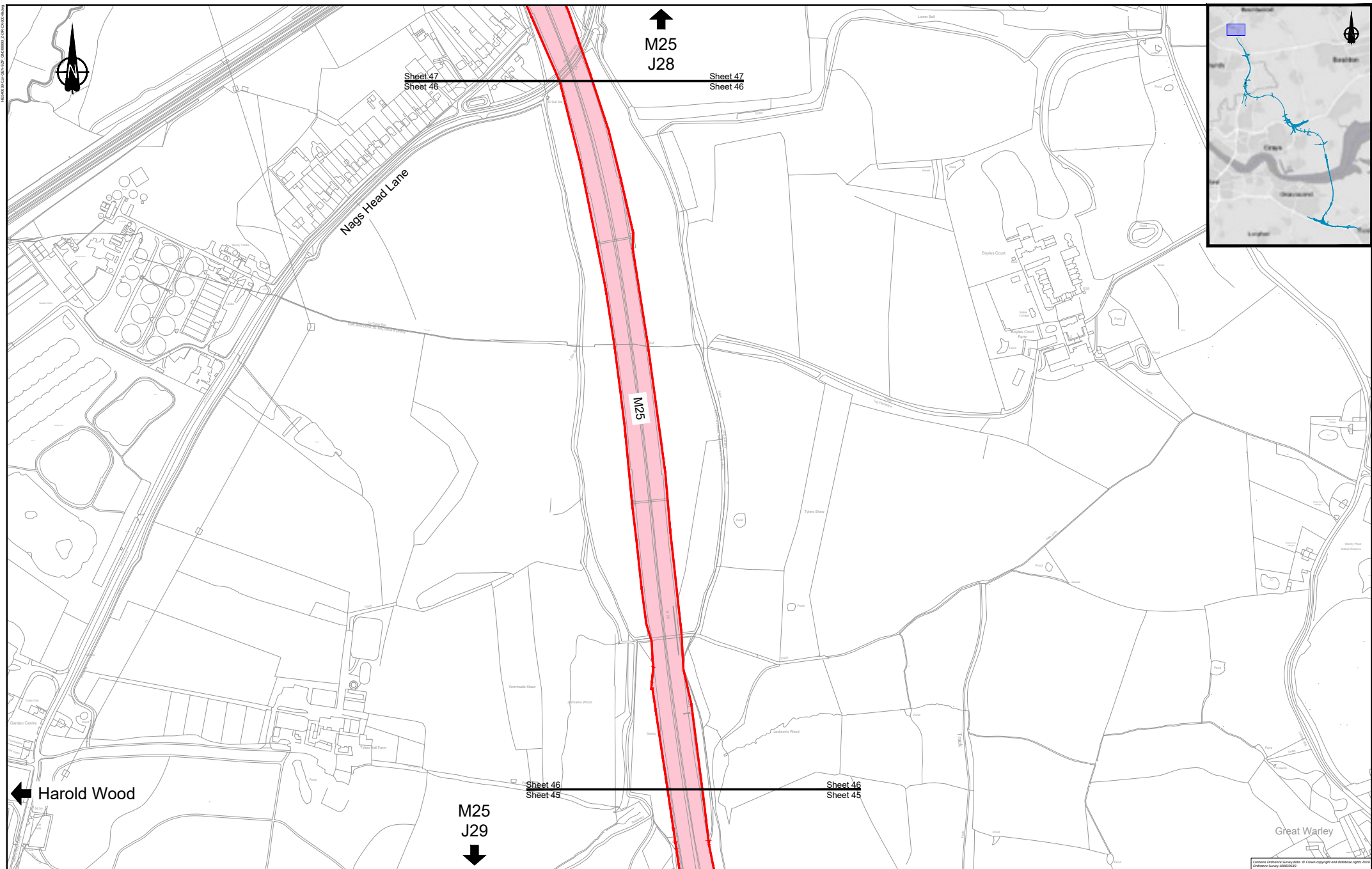
PROPOSALS FOR CONSULTATION

Project **LOWER THAMES CROSSING COMMUNITY IMPACTS CONSULTATION**

Drawing title **LAND USE PLAN SHEET 45**

HEW0303/CA/ENR/2016/0000_2/000000_000000000000

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LEGEND:

Flood compensation area	Permanent Acquisition of Subsoil and Rights
Order limits	Permanent Acquisition of Land
Environmental mitigation	Temporary Possession of Land Only
Building requiring demolition	Temporary Possession of Land and Permanent Acquisition of Rights
Building access affected/partially affected	Permanent Acquisition of Subsoil and Rights and Temporary Possession of Land at Surface
	Land not included within the Order limits

NOTES:

1. Refer to the General Arrangement map book for open space provision, replacement open space and replacement common land.



Client

PROPOSALS FOR CONSULTATION

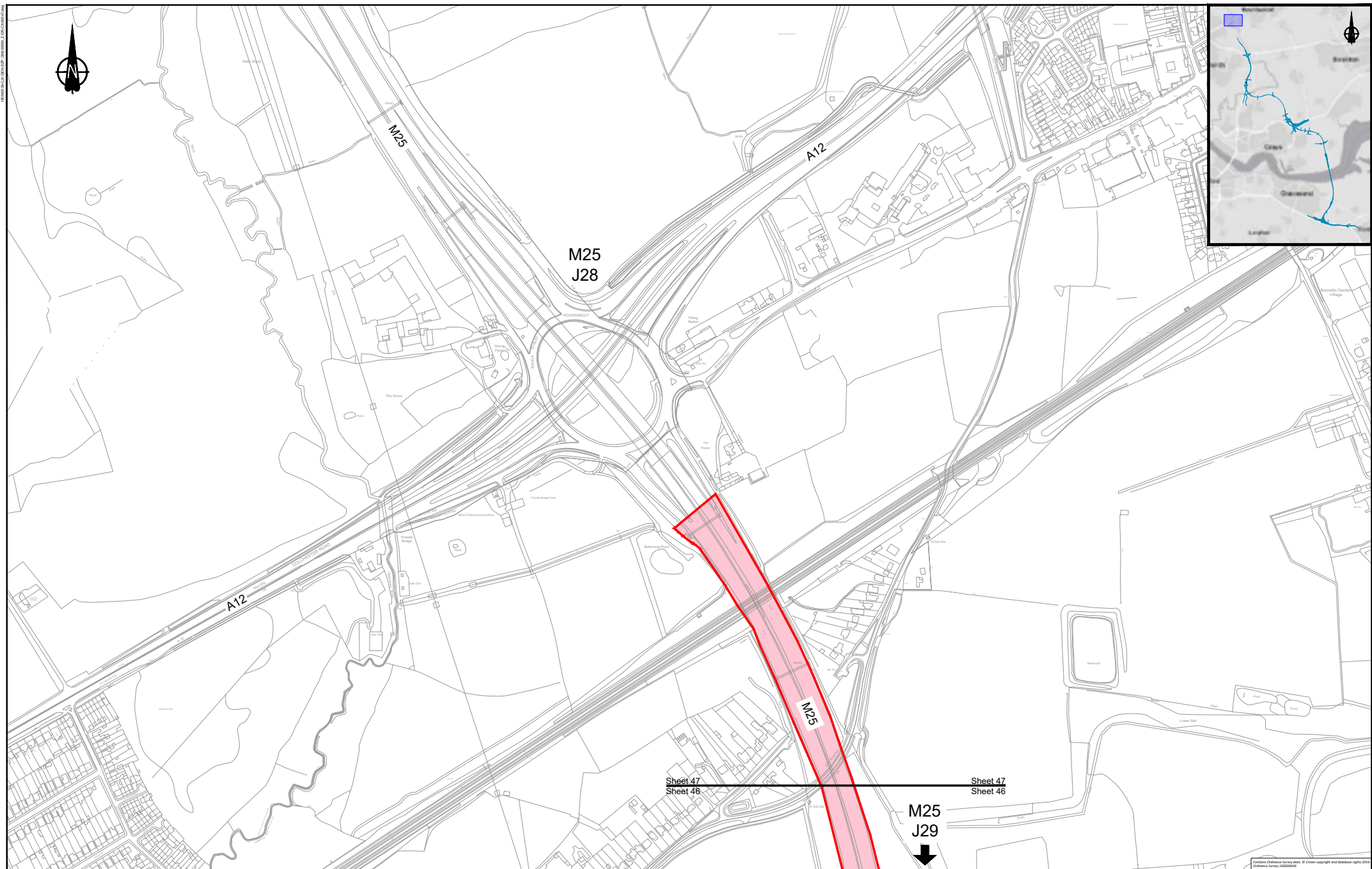
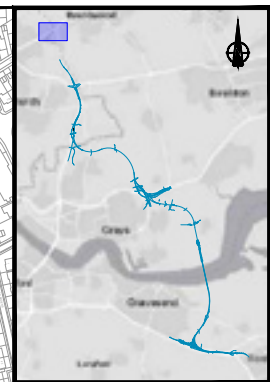
Project **LOWER THAMES CROSSING COMMUNITY IMPACTS CONSULTATION**

Drawing title **LAND USE PLAN SHEET 46**

HEW03016/CA/ENR/25/0000_2.000/0000

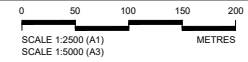
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HEM001042/ENR/2016/0000_2/00000001/0001



LEGEND:	
	Flood compensation area
	Order limits
	Environmental mitigation
	Building requiring demolition
	Building access affected/building partially affected
	Permanent Acquisition of Subsoil and Rights
	Permanent Acquisition of Land
	Temporary Possession of Land Only
	Temporary Possession of Land and Permanent Acquisition of Rights
	Permanent Acquisition of Subsoil and Rights and Temporary Possession of Land at Surface
	Land not included within the Order limits

NOTES:
 1. Refer to the General Arrangement map book for open space provision, replacement open space and replacement common land.



Client

PROPOSALS FOR CONSULTATION

Project **LOWER THAMES CROSSING COMMUNITY IMPACTS CONSULTATION**

Drawing title **LAND USE PLAN SHEET 47**

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LEGEND

- Flood compensation area
- Order limits
- Environmental mitigation
- Permanent Acquisition of Subsoil and Rights
- Permanent Acquisition of Land
- Temporary Possession of Land Only
- Temporary Possession of Land and Permanent Acquisition of Rights
- Permanent Acquisition of Subsoil and Rights and Temporary Possession of Land at Surface
- Land not included within the Order limits
- Building requiring demolition
- Building access affected/building partially affected

NOTES:
 1. Refer to the General Arrangement map book for open space provision, replacement open space and replacement common land.

LEGEND:

- Lower Thames Crossing route above ground
- Lower Thames Crossing route in tunnel

	<p style="font-size: small; margin: 0;">Client</p> <p style="font-size: small; margin: 0;">Project LOWER THAMES CROSSING COMMUNITY IMPACTS CONSULTATION</p> <p style="font-size: x-small; margin: 0;">Drawing title</p> <p style="text-align: center; font-weight: bold; font-size: large; margin: 10px 0 10px 0;">PROPOSALS FOR CONSULTATION</p> <p style="text-align: center; font-weight: bold; font-size: large; margin: 10px 0 10px 0;">LAND USE KEY PLAN AND LEGEND</p>
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Lower Thames Crossing
Map Book 3: Engineering Plans

Lower Thames Crossing map books

The three map books for the community impacts consultation contain plans of our proposals, under the following headings:

- Map book 1: General Arrangements (layout plans)
- Map book 2: Land Use Plans
- Map book 3: Engineering Plans

The orientation of Map Books 1 and 2 has been updated to enable all drawings to have a north up orientation.

These plans also show the changes we have made since our design refinement consultation last year and are published for the purposes of this consultation. Following this consultation, we will consider the feedback received and use that to inform our Development Consent Order (DCO) application, which we plan to submit to the Planning Inspectorate later this year.

The plans run from the A2 in the south to the M25 in the north. Identically numbered sheets in the Map Books 1 and 2 show the same area. For example sheet 3 shows the A2/LTC junction in Map Books 1 and 2.

Map Book 1: General Arrangements

The General Arrangements show the proposed layout of the project, including:

- Permanent works; new roads, earthworks and roadside features
- Construction compounds
- Environment mitigation; landscaping and tree planting
- Utilities diversions
- Order Limits (previously known as the development boundary)
- Open space and replacement land

NB: The key plans show the relative location of each drawing sheet within the map book and the area they cover. On sheets where there is no information on the key plans, this represents drawings where works are being carried out away from the main route alignment.

Map Book 2: Land Use Plans

The land use plans show the areas of land we are seeking powers to compulsorily acquire or to acquire rights on, under or over. They also show the land we require temporary powers to use, to construct and operate the project. Areas we may need to purchase interests or rights over include the land required for the permanent works, temporary works, compensation land and replacement land.

Permanent works

Compulsory purchase of land or compulsory acquisition of rights will be required for the route of the road, to re-connect local roads and for associated structures like drainage ponds and the tunnel control building. In some land parcels, only the acquisition of subsoil will be required. For example, the construction of the tunnel beneath the River Thames.

Temporary works

Temporary use of land is needed for the project's construction works and to provide sufficient space to do so safely. The land use plans show land that may be required temporarily for the main construction compounds at the tunnel entrances north and south of the River Thames, and at various locations along the route. We will also require permanent and temporary rights over land to divert utilities such as gas pipelines, electricity cables and water pipes.

Compensation land

Compensation land may include environmental protection measures such as habitat creation and flood compensation. This land may also need to be permanently acquired or be subject to permanent rights.

Replacement land

Land is also included in respect of the replacement of special category land such as open space, or common land which is being compulsorily acquired or in respect of which permanent rights are sought.

Map Book 3: Engineering Plans

This book contains engineering drawings in the following order:

- The plan and profile drawings which detail the vertical and horizontal road alignment
- The junction arrangements showing the proposed layout
- The cross sections throughout the route showing the lanes and earthworks

The plan and profile drawings show the highway details of the route in plan and profile (level above or below existing ground). The drawings are split into two views with the plan on the top and profile underneath.

The profile gives the road level in relation to existing ground at a given chainage*. An exaggerated scale is used in the profile to help show the differences in levels and gradients of the design. The profile also shows where existing roads and public rights of way cross over or under the route.

All levels are given in relation to the Above Ordnance Datum level** the profile reference level might be different on each drawing.

* Chainage measures the distance along the route in metres.

** Above Ordnance Datum level (AOD) is a measurement above mean sea level taken from a reference point at Newlyn in Cornwall.

Large maps

Large maps that cover a greater area have also been produced, which detail the following:

- Environmental constraints – 1 sheet
- Land use – 6 sheets
- Operation (General Arrangements – 6 sheets larger coverage)
- Construction (Compounds and Access - 6 sheets)
- General Arrangement (full route) – 1 sheet
- Aerial view of the proposed LTC route – 1 sheet

Main works access routes shown on these maps represent a snapshot in time. They will evolve in line with the surrounding works.



LEGEND:
 Lower Thames Crossing (LTC)

Client

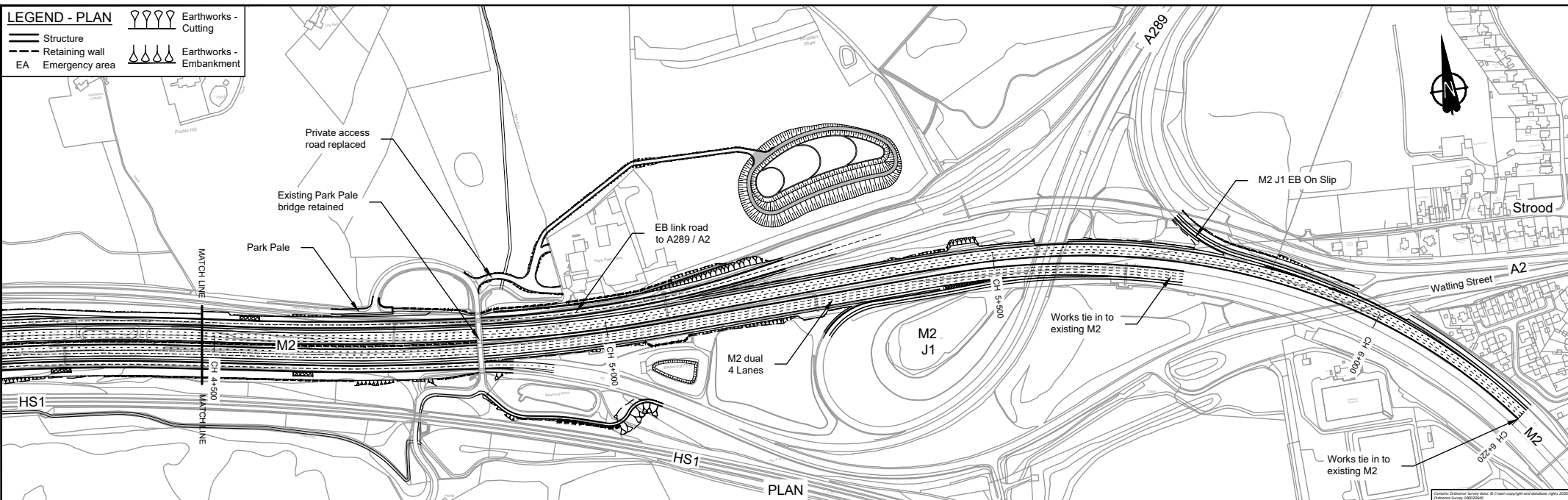


**PROPOSALS FOR
CONSULTATION**

Project LOWER THAMES CROSSING
 COMMUNITY IMPACTS CONSULTATION
 Drawing title
**PLAN AND PROFILE
 KEY PLAN**

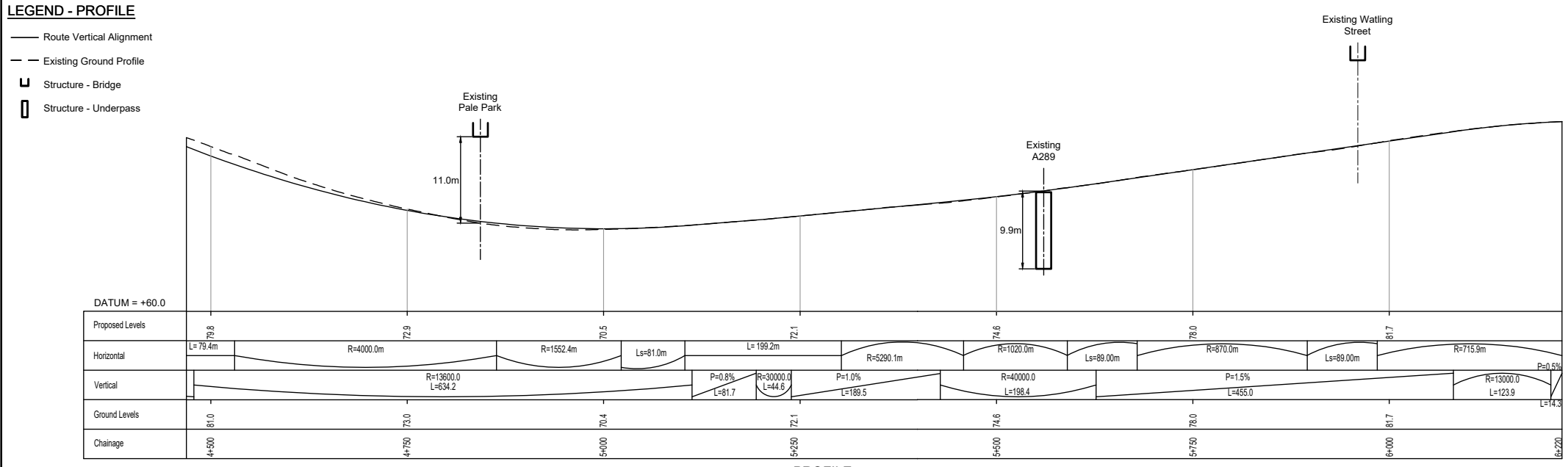
LEGEND - PLAN

	Earthworks - Cutting
	Structure
	Retaining wall
	Emergency area
	Earthworks - Embankment



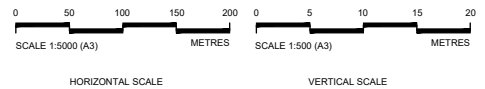
LEGEND - PROFILE

- Route Vertical Alignment
- - Existing Ground Profile
- U Structure - Bridge
- Structure - Underpass



- NOTES**
- Do not scale from this drawing.
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 - For scheme location refer to Plan and Profile Key Plan.
 - Profile uses an exaggerated scale of 1 horizontal :10 vertical

NB - Northbound
WB - Westbound
EB - Eastbound
SB - Southbound

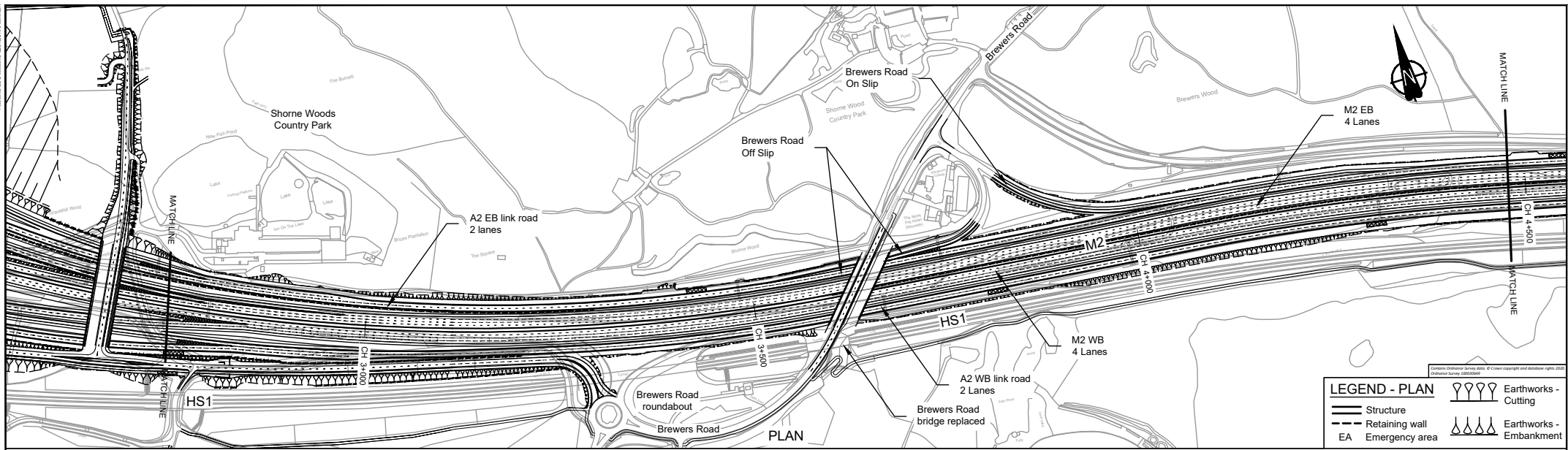


Client

PROPOSALS FOR CONSULTATION

Project LOWER THAMES CROSSING
COMMUNITY IMPACTS CONSULTATION

Drawing title **PLAN AND PROFILE SHEET 1**

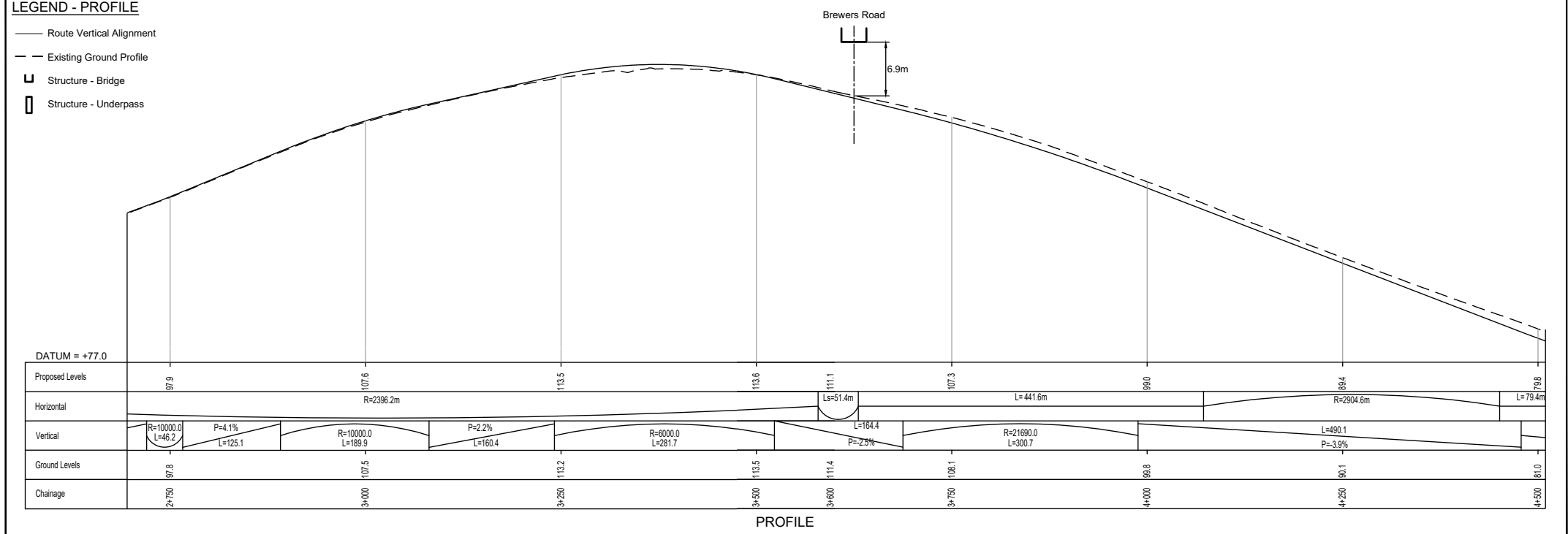


LEGEND - PLAN

	Structure		Earthworks - Cutting
	Retaining wall		Earthworks - Embankment
	EA Emergency area		

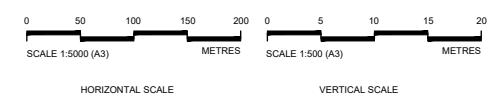
LEGEND - PROFILE

- Route Vertical Alignment
- Existing Ground Profile
- Structure - Bridge
- Structure - Underpass



- NOTES**
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EB - Eastbound
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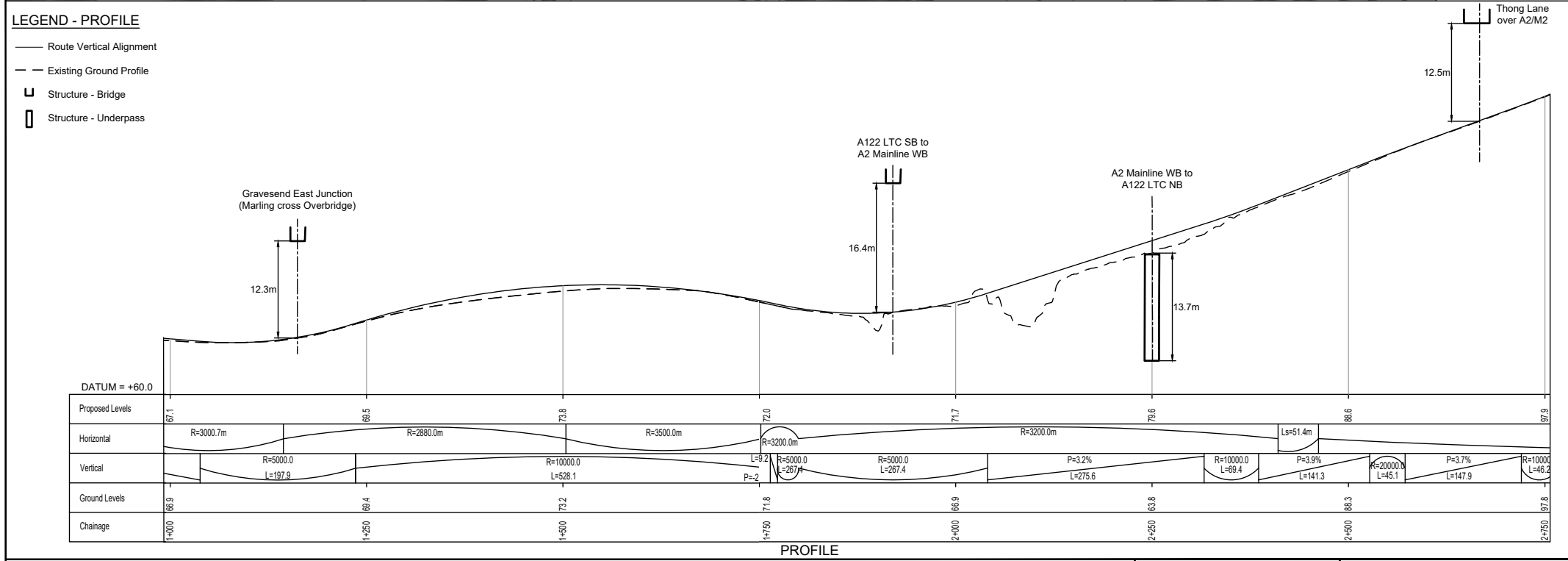
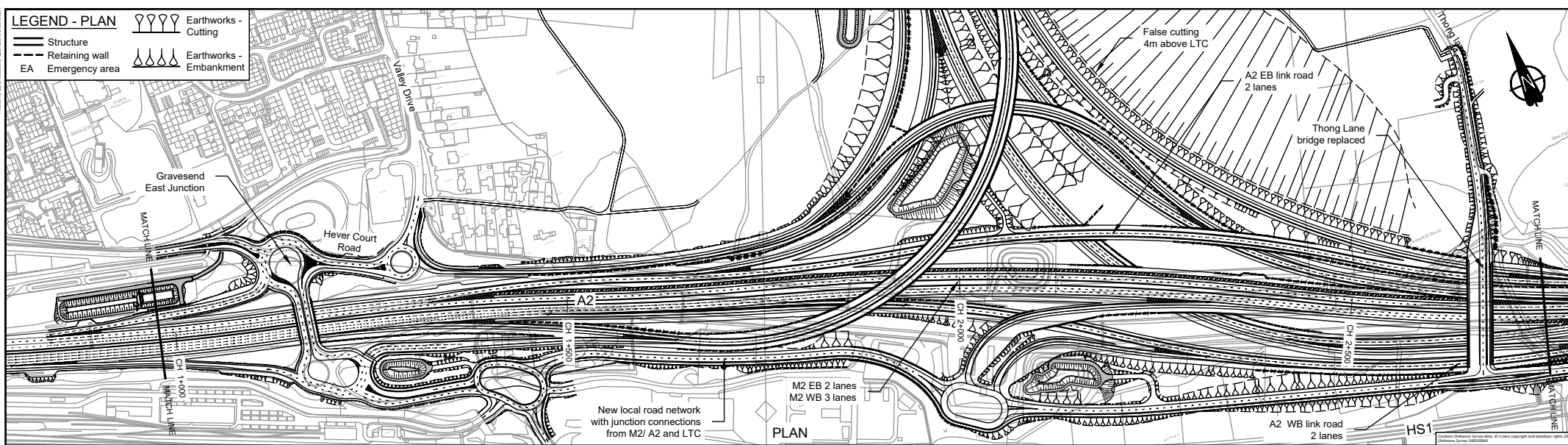


Client

PROPOSALS FOR CONSULTATION

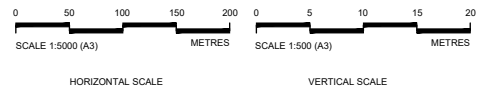
Project LOWER THAMES CROSSING
COMMUNITY IMPACTS CONSULTATION

Drawing title **PLAN AND PROFILE SHEET 2**



- NOTES**
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NB - Northbound
WB - Westbound
EB - Eastbound
SB - Southbound

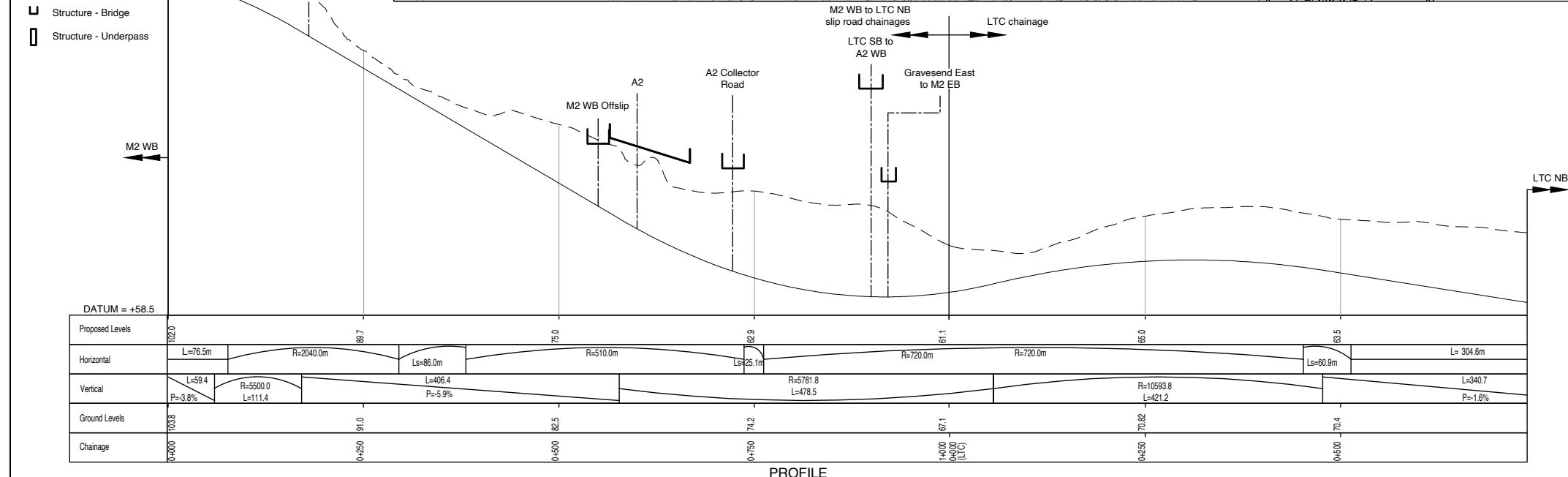
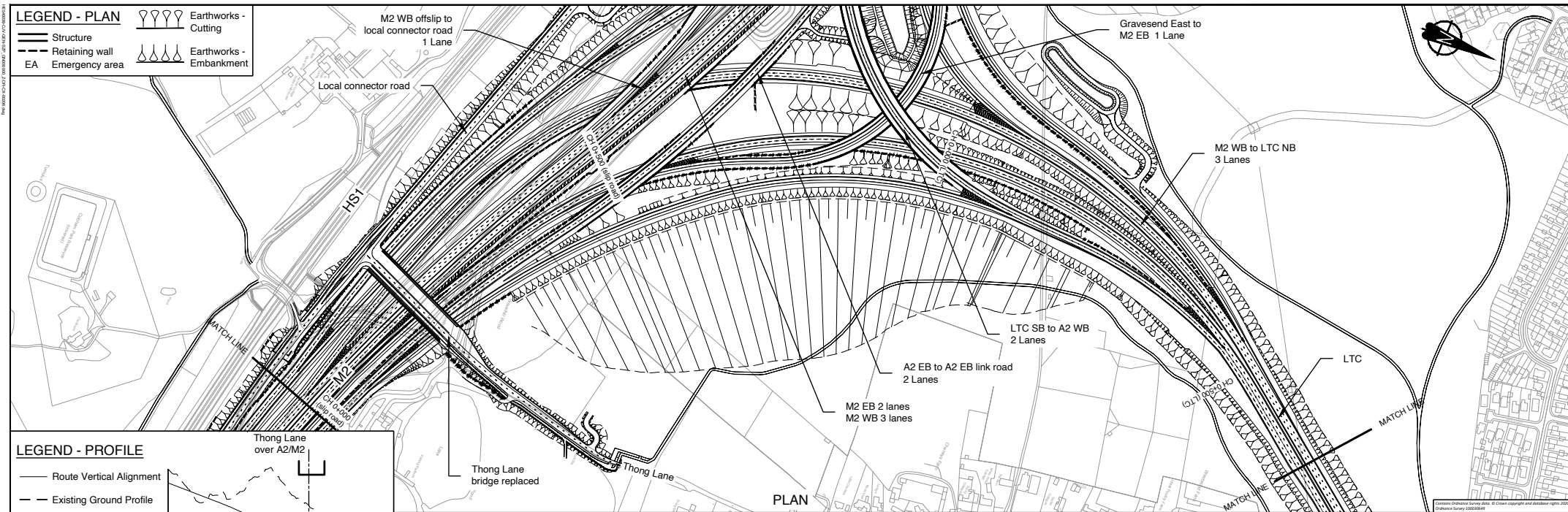


Client

PROPOSALS FOR CONSULTATION

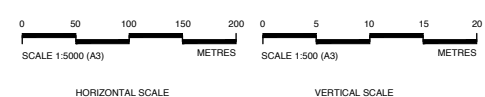
Project LOWER THAMES CROSSING
COMMUNITY IMPACTS CONSULTATION

Drawing title **PLAN AND PROFILE SHEET 3**



- NOTES**
- Do not scale from this drawing.
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 - For scheme location refer to Plan and Profile Key Plan.
 - Profile uses an exaggerated scale of 1 horizontal :10 vertical

NB - Northbound
WB - Westbound
EB - Eastbound
SB - Southbound

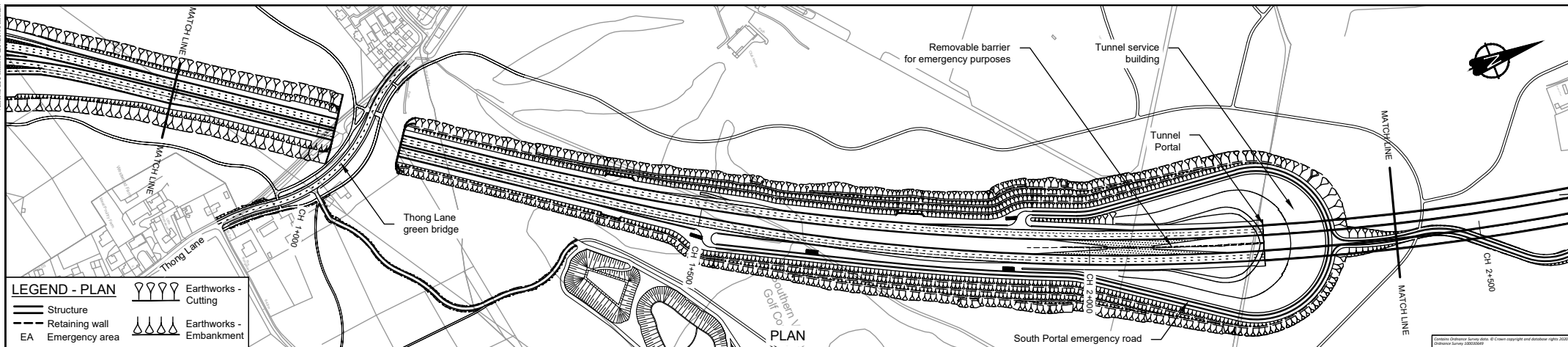


Client: highways england

Project: LOWER THAMES CROSSING COMMUNITY IMPACTS CONSULTATION

Drawing title: **PROPOSALS FOR CONSULTATION**

Sheet title: **PLAN AND PROFILE SHEET 3a**

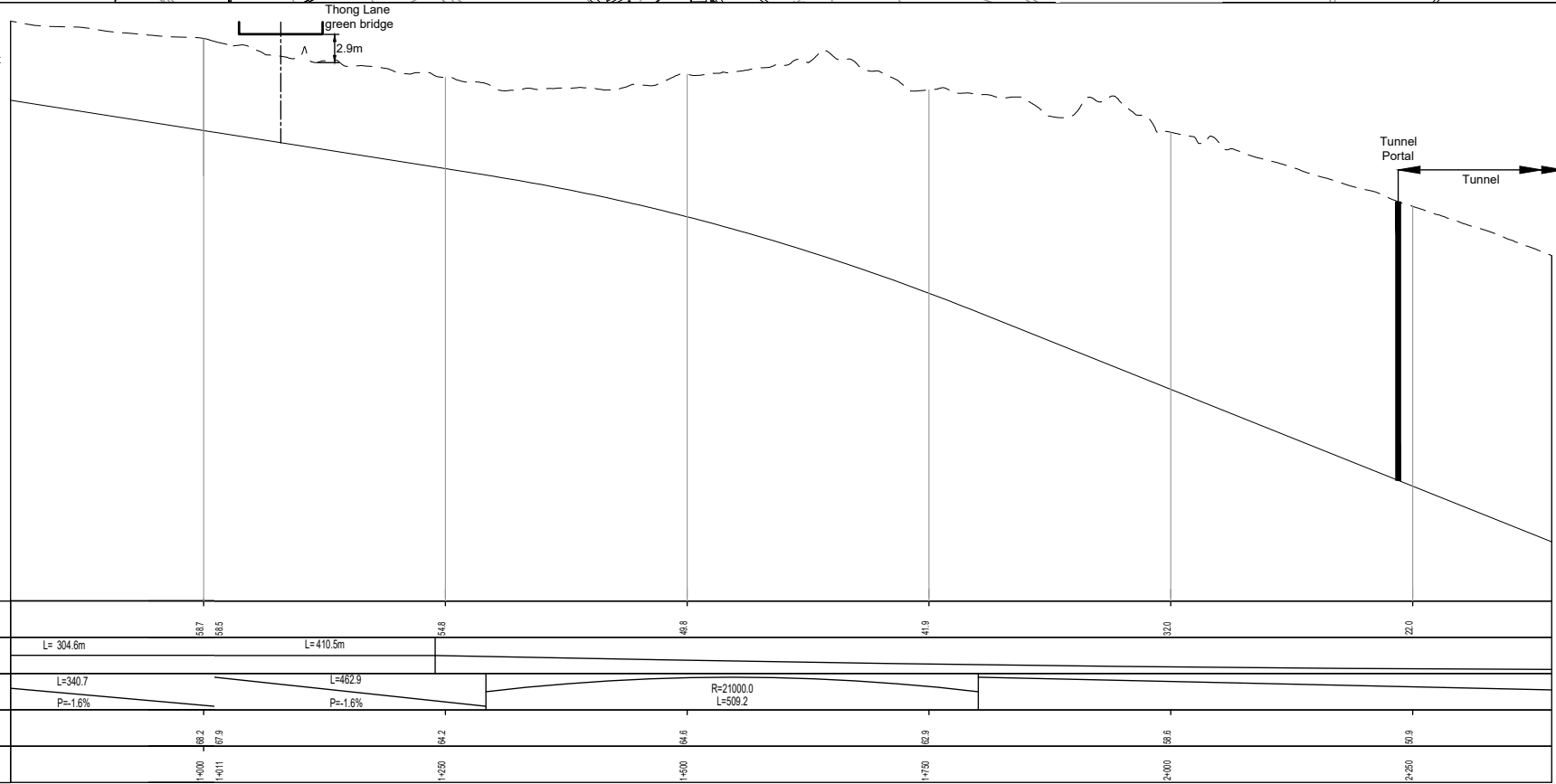


LEGEND - PLAN

	Structure		Earthworks - Cutting
	Retaining wall		Earthworks - Embankment
	EA		

LEGEND - PROFILE

	Route Vertical Alignment
	Existing Ground Profile
	Structure - Bridge
	Structure - Underpass



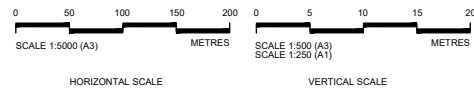
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Horizontal	L= 304.6m		L= 410.5m					
Vertical	L=340.7 P=-1.6%		L=462.9 P=-1.6%		R=21000.0 L=509.2			
Ground Levels		68.2	67.9	64.2	64.6	62.9	58.6	50.9
Chainage		1+000	1+011	1+230	1+500	1+750	2+000	2+250

PROFILE

- NOTES**
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NB - Northbound
WB - Westbound
EB - Eastbound
SB - Southbound

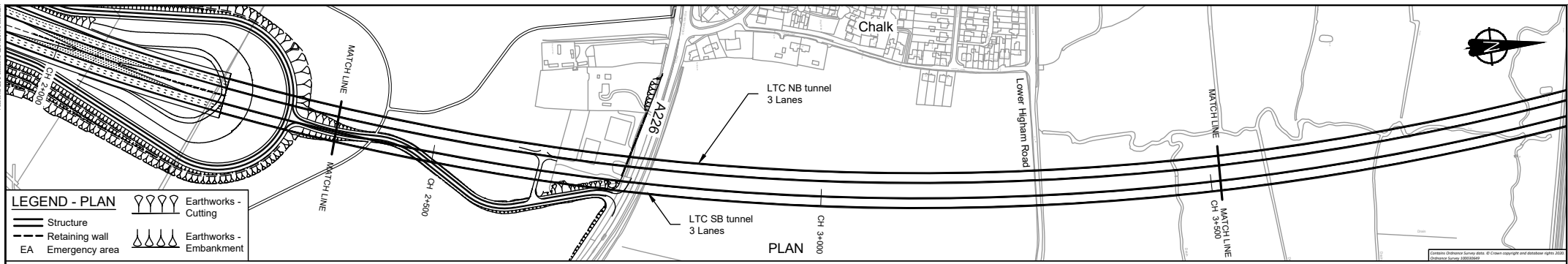


Client

PROPOSALS FOR CONSULTATION

Project LOWER THAMES CROSSING
COMMUNITY IMPACTS CONSULTATION

Drawing title **PLAN AND PROFILE SHEET 5**

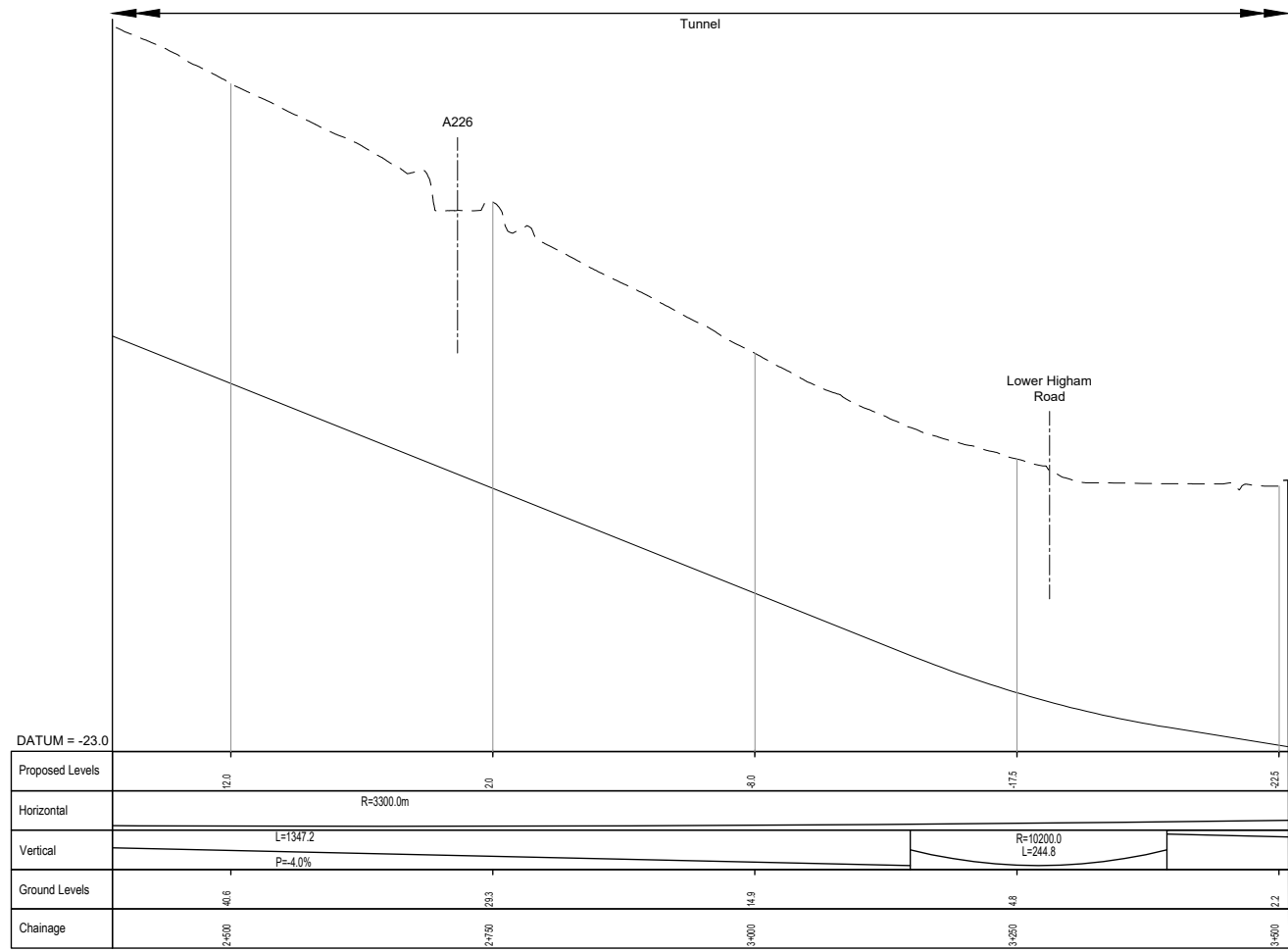


LEGEND - PLAN

	Earthworks - Cutting
	Earthworks - Embankment
	Structure
	Retaining wall
	Emergency area

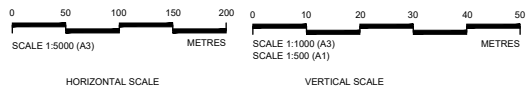
LEGEND - PROFILE

	Route Vertical Alignment
	Existing Ground Profile
	Structure - Bridge
	Structure - Underpass



- NOTES**
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 - For scheme location refer to Plan and Profile Key Plan.
 - Profile uses an exaggerated scale of 1 horizontal : 5 vertical

NB - Northbound
WB - Westbound
EB - Eastbound
SB - Southbound



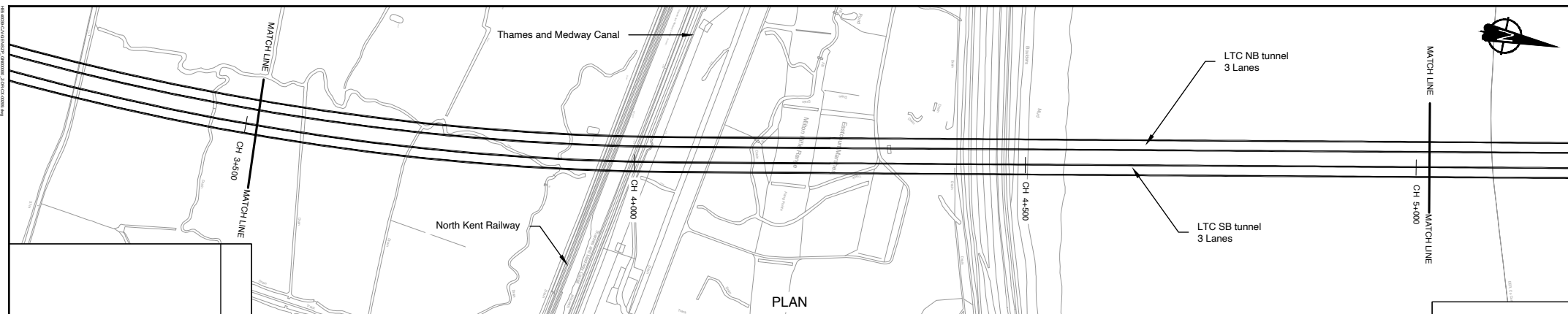
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PROPOSALS FOR CONSULTATION

Project LOWER THAMES CROSSING
COMMUNITY IMPACTS CONSULTATION

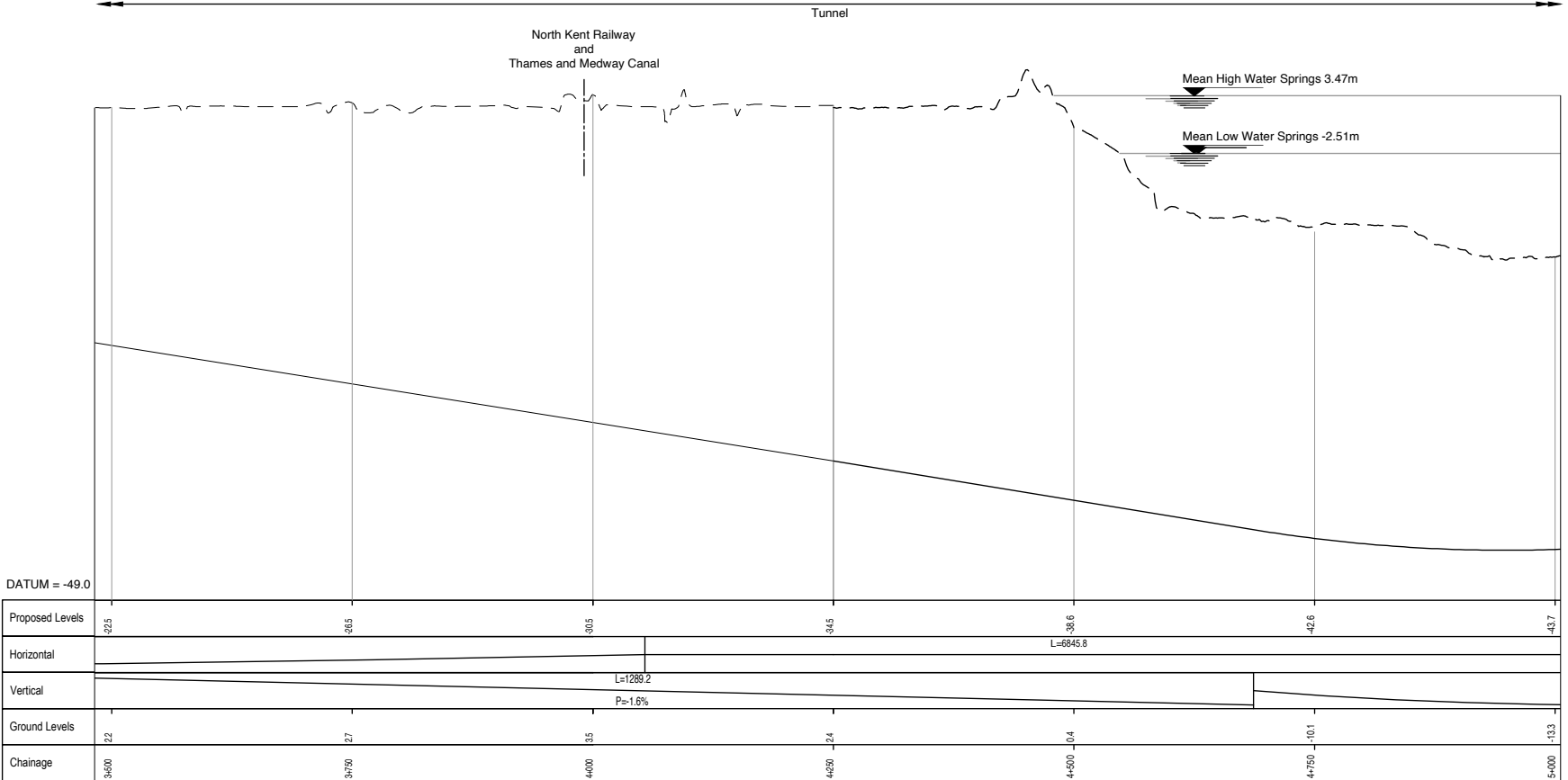
Drawing title

PLAN AND PROFILE SHEET 6



LEGEND - PROFILE

- Route Vertical Alignment
- - - Existing Ground Profile
- U Structure - Bridge
- Structure - Underpass

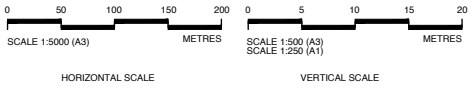


PROFILE

NOTES

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2. All dimensions are in metres unless stated otherwise.
3. All levels are in metres relative to the Ordnance Datum.
4. For scheme location refer to Plan and Profile Key Plan.
5. Profile uses an exaggerated scale of 1 horizontal :10 vertical

- NB - Northbound
- WB - Westbound
- EB - Eastbound
- SB - Southbound

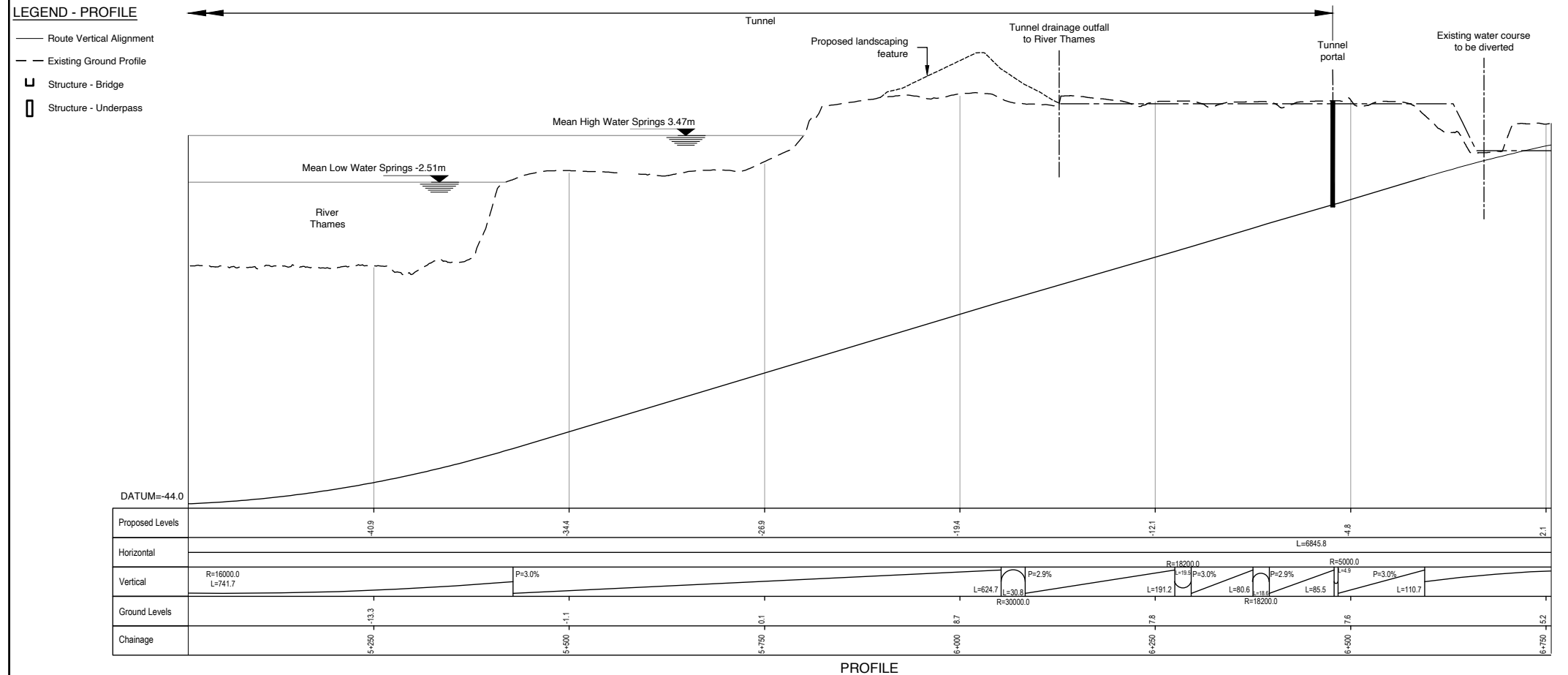
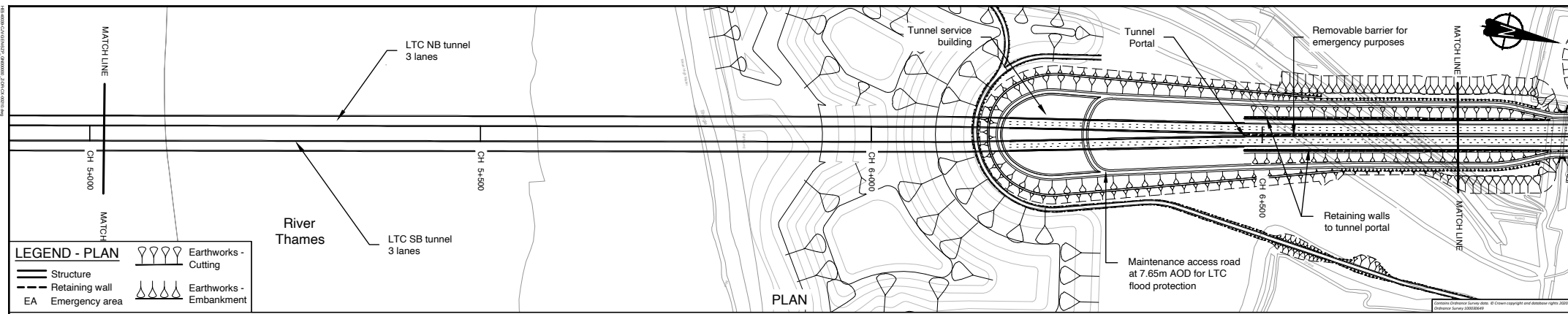


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PROPOSALS FOR CONSULTATION

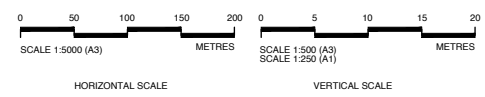
Project LOWER THAMES CROSSING
COMMUNITY IMPACTS CONSULTATION

Drawing title **PLAN AND PROFILE SHEET 7**



- NOTES**
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SB - Southbound



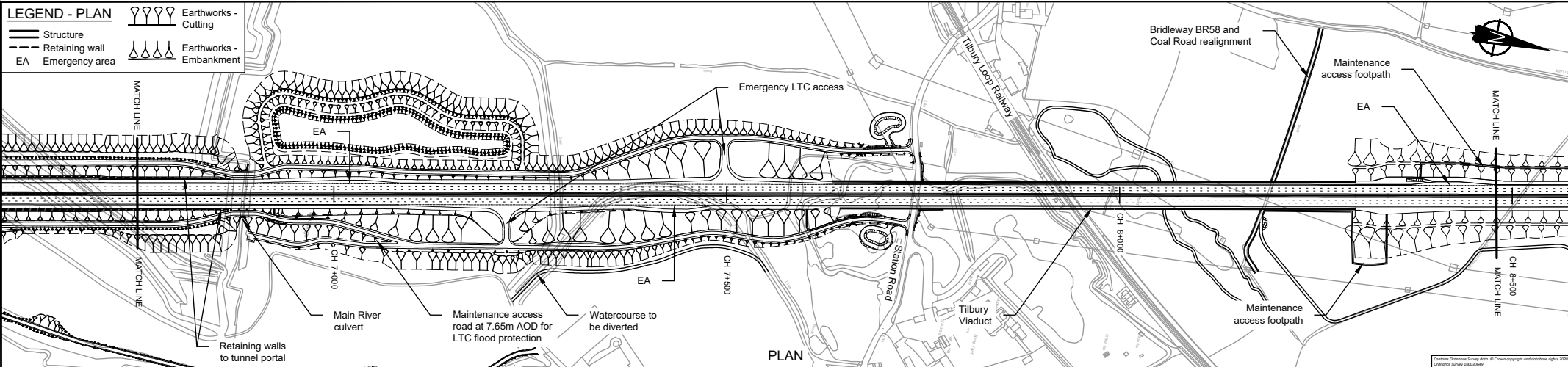
Client **highways england**

PROPOSALS FOR CONSULTATION

Project **LOWER THAMES CROSSING COMMUNITY IMPACTS CONSULTATION**

Drawing title **PLAN AND PROFILE SHEET 8**

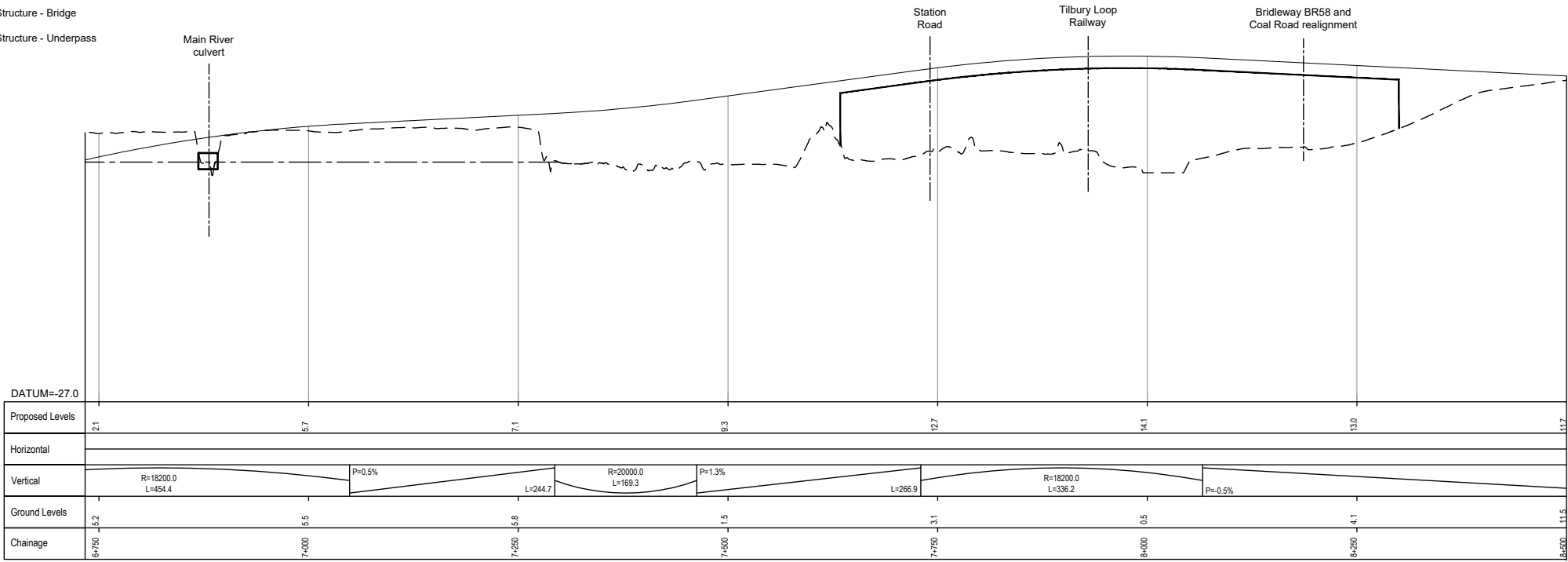
- LEGEND - PLAN**
- Earthworks - Cutting
 - Structure
 - Retaining wall
 - EA
 - Earthworks - Embankment



PLAN

LEGEND - PROFILE

- Route Vertical Alignment
- Existing Ground Profile
- Structure - Bridge
- Structure - Underpass



PROFILE

NOTES

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2. All dimensions are in metres unless stated otherwise.
3. All levels are in metres relative to the Ordnance Datum.
4. For scheme location refer to Plan and Profile Key Plan.
5. Profile uses an exaggerated scale of 1 horizontal :10 vertical

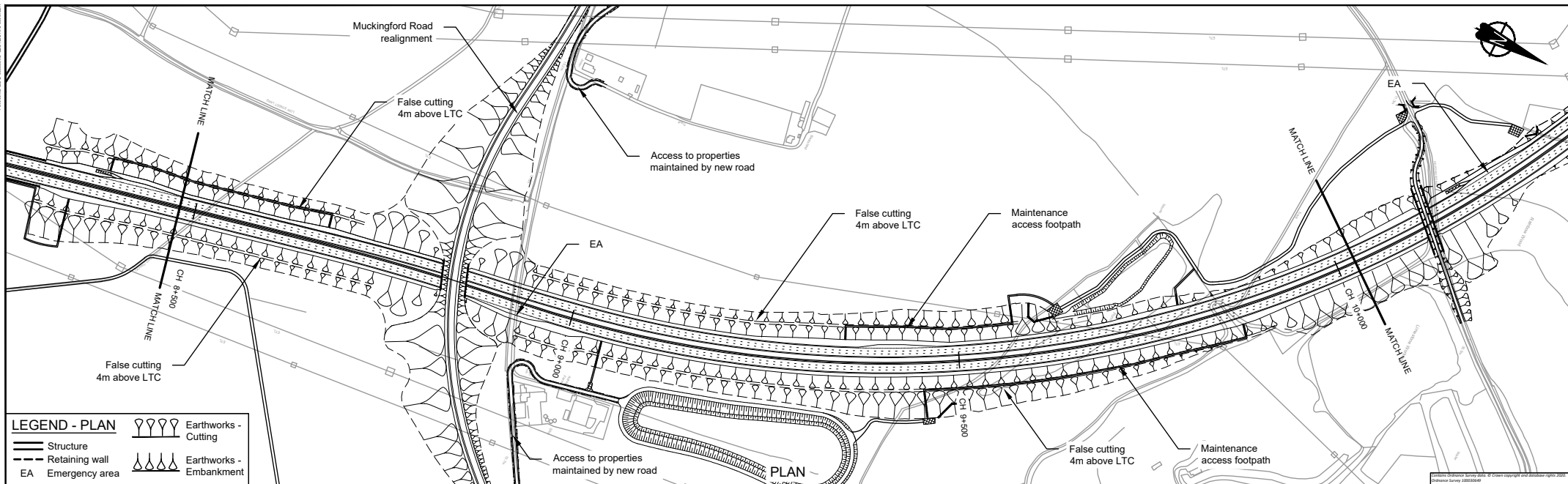
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- EB - Eastbound
- SB - Southbound



PROPOSALS FOR CONSULTATION

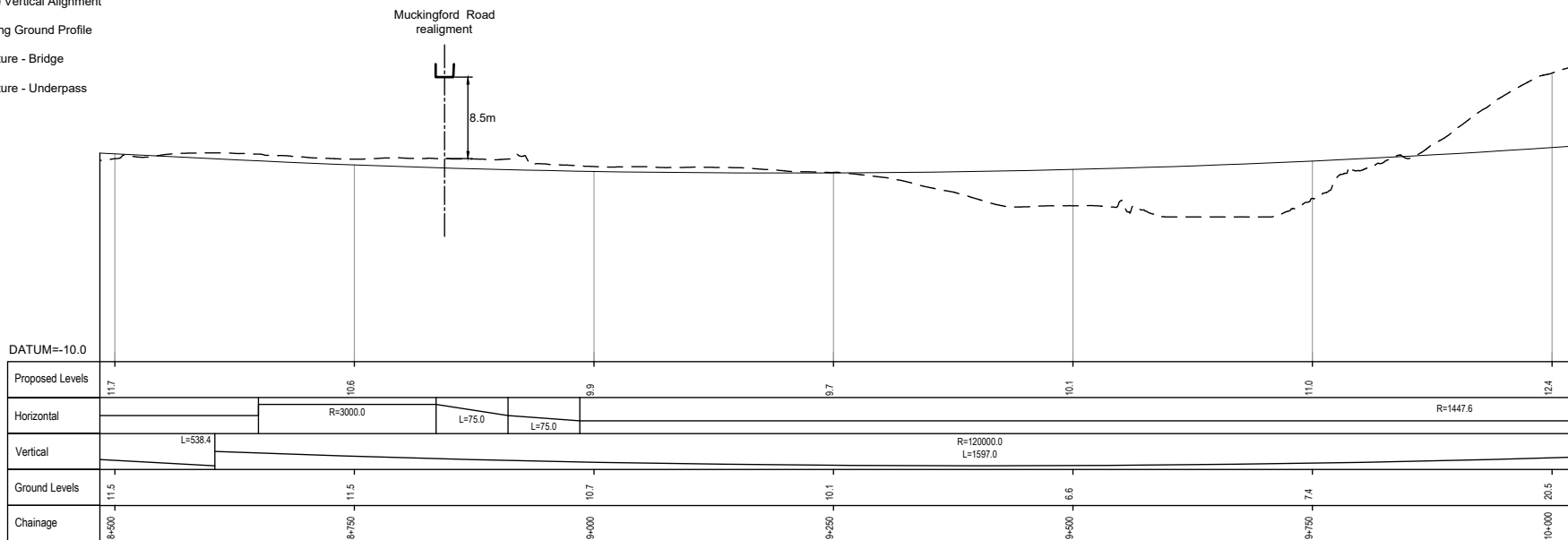
Project LOWER THAMES CROSSING
COMMUNITY IMPACTS CONSULTATION

Drawing title
PLAN AND PROFILE SHEET 9



LEGEND - PROFILE

- Route Vertical Alignment
- Existing Ground Profile
- Structure - Bridge
- Structure - Underpass

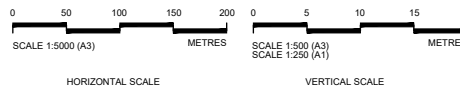


PROFILE

NOTES

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- For scheme location refer to Plan and Profile Key Plan.
- Profile uses an exaggerated scale of 1 horizontal :10 vertical

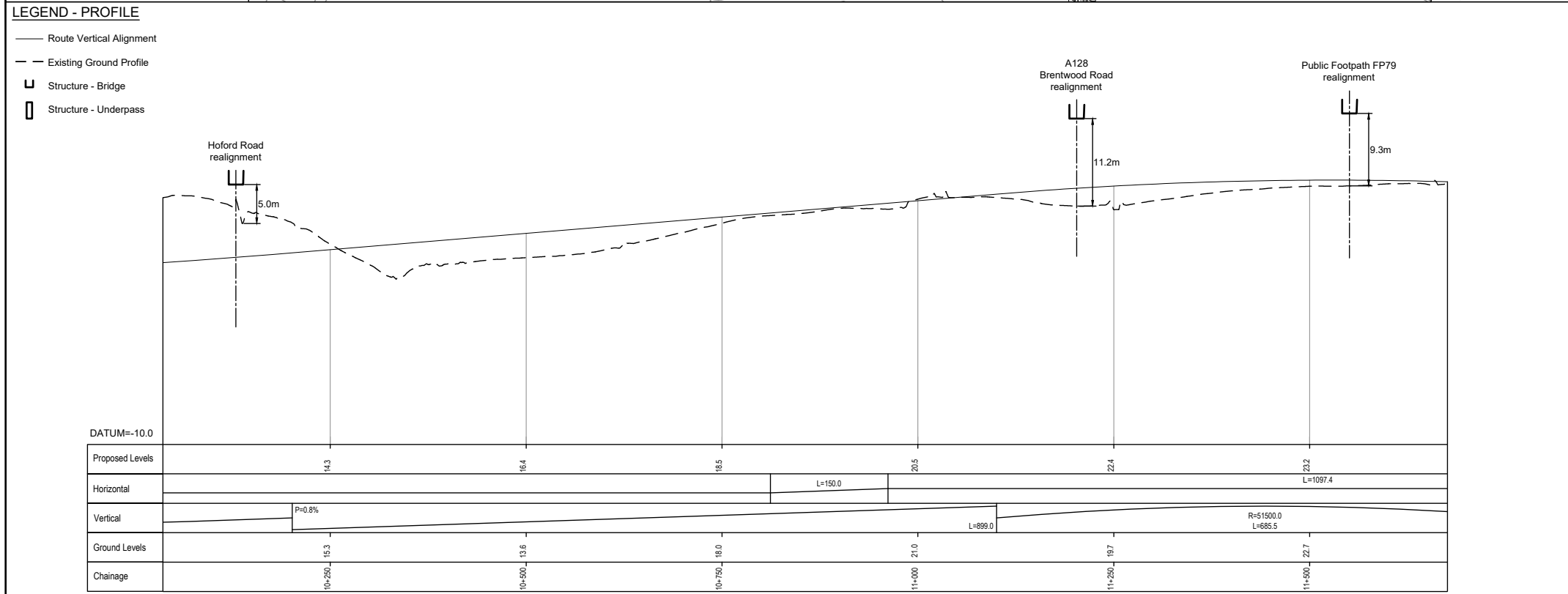
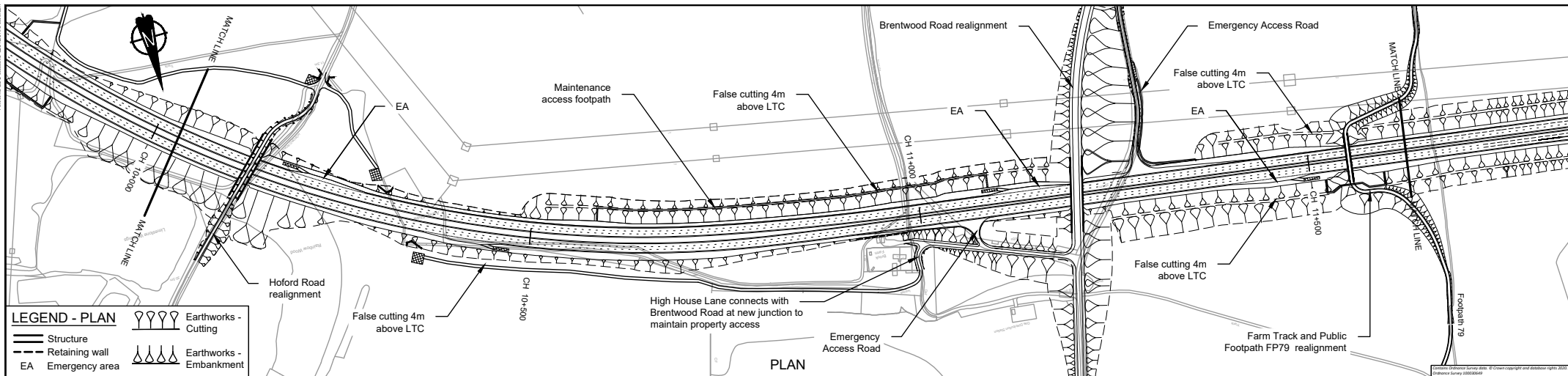
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- SB - Southbound



PROPOSALS FOR CONSULTATION

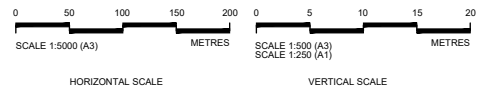
Project LOWER THAMES CROSSING
COMMUNITY IMPACTS CONSULTATION

Drawing title
PLAN AND PROFILE SHEET 10



- NOTES**
- Do not scale from this drawing.
 - All dimensions are in metres unless stated otherwise.
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 - For scheme location refer to Plan and Profile Key Plan.
 - Profile uses an exaggerated scale of 1 horizontal :10 vertical

NB - Northbound
 WB - Westbound
 EB - Eastbound
 SB - Southbound



Client **highways england**

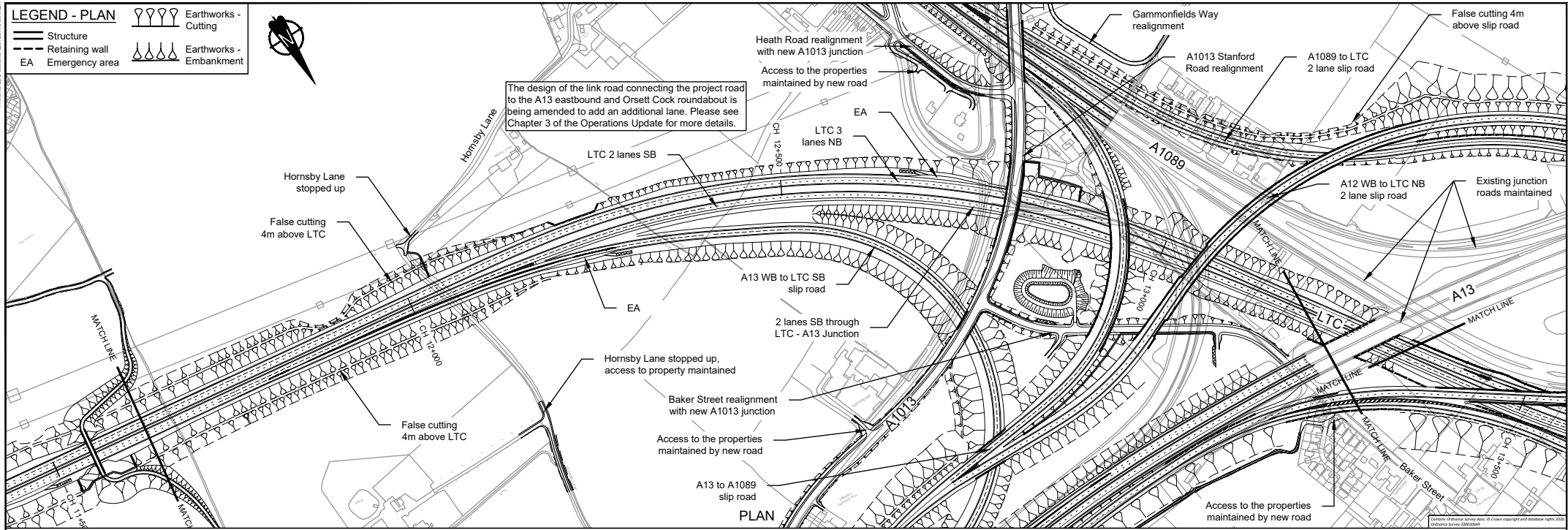
PROPOSALS FOR CONSULTATION

Project **LOWER THAMES CROSSING COMMUNITY IMPACTS CONSULTATION**

Drawing title **PLAN AND PROFILE SHEET 11**

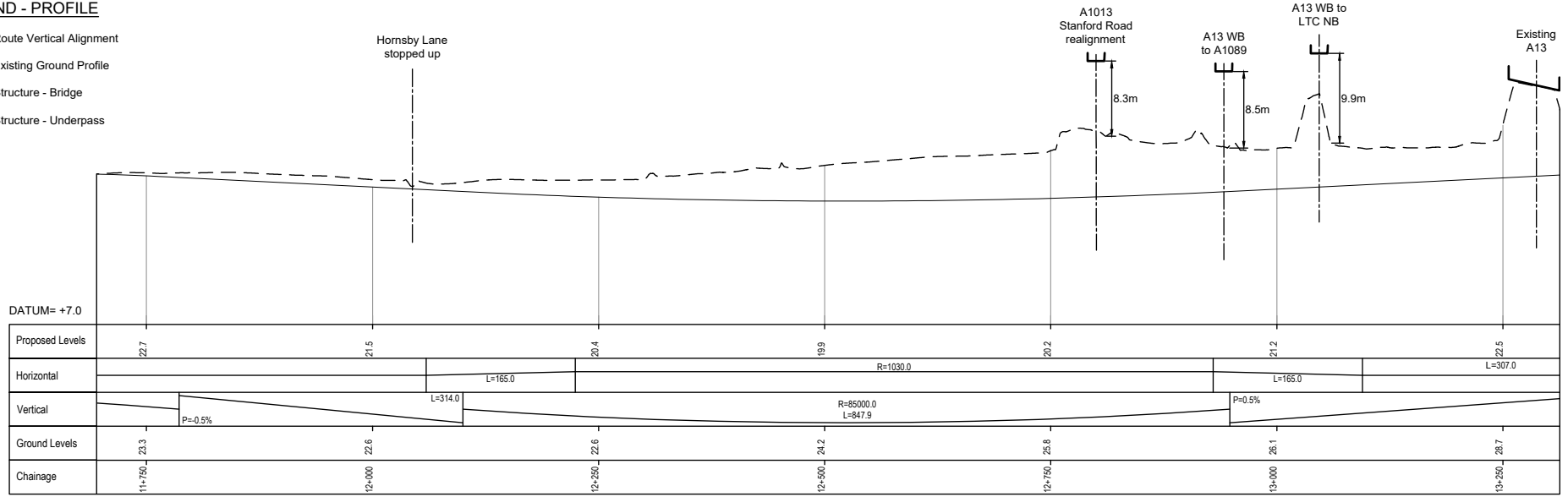
LEGEND - PLAN

- Structure
- Retaining wall
- EA Emergency area
- Earthworks - Cutting
- Earthworks - Embankment



LEGEND - PROFILE

- Route Vertical Alignment
- Existing Ground Profile
- Structure - Bridge
- Structure - Underpass

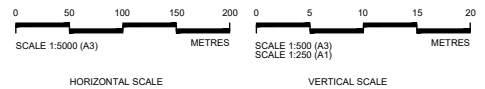


PROFILE

NOTES

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4. For scheme location refer to Plan and Profile Key Plan.
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NB - Northbound
WB - Westbound
EB - Eastbound
SB - Southbound

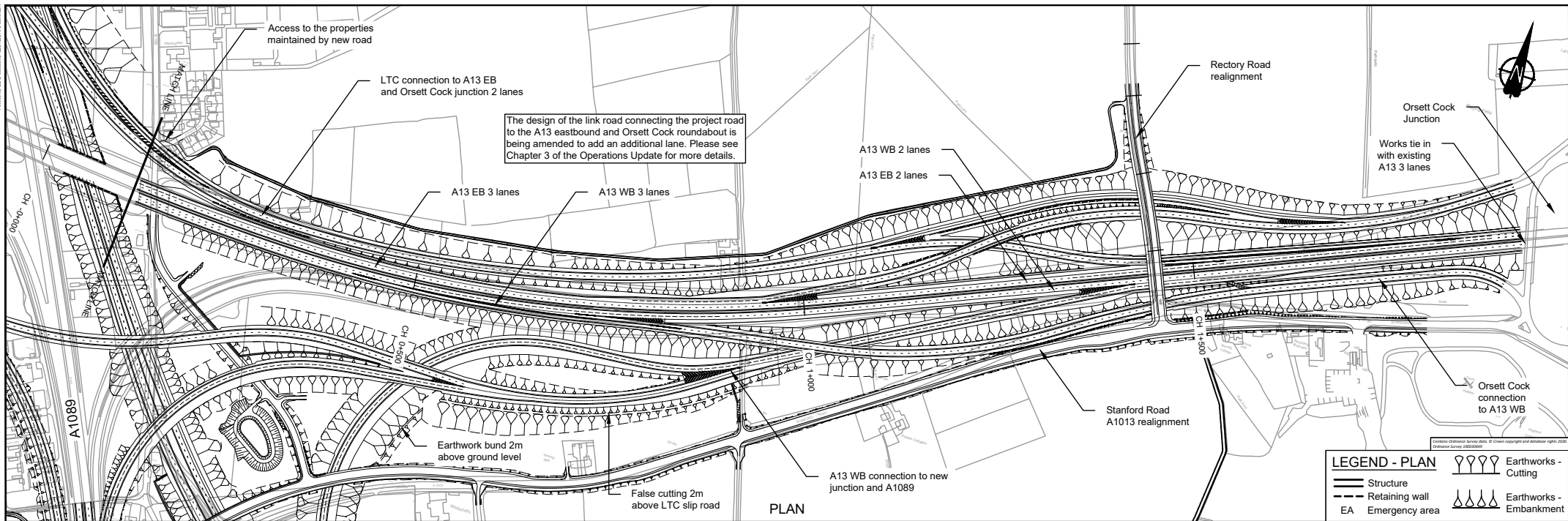


Client

PROPOSALS FOR CONSULTATION

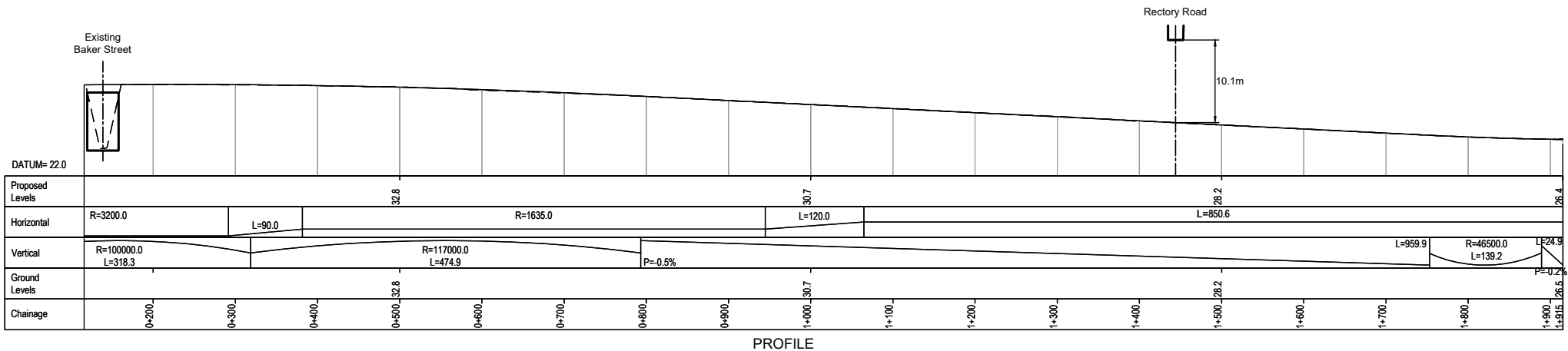
Project LOWER THAMES CROSSING
COMMUNITY IMPACTS CONSULTATION

Drawing title **PLAN AND PROFILE SHEET 12**



LEGEND - PROFILE

- Route Vertical Alignment
- Existing Ground Profile
- Structure - Bridge
- Structure - Underpass

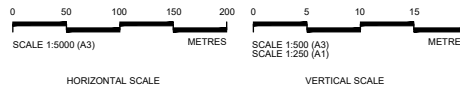


PROFILE

NOTES

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- All levels are in metres relative to the Ordnance Datum.
- For scheme location refer to Plan and Profile Key Plan.
- Profile uses an exaggerated scale of 1 horizontal :10 vertical

NB - Northbound
WB - Westbound
EB - Eastbound
SB - Southbound



Client

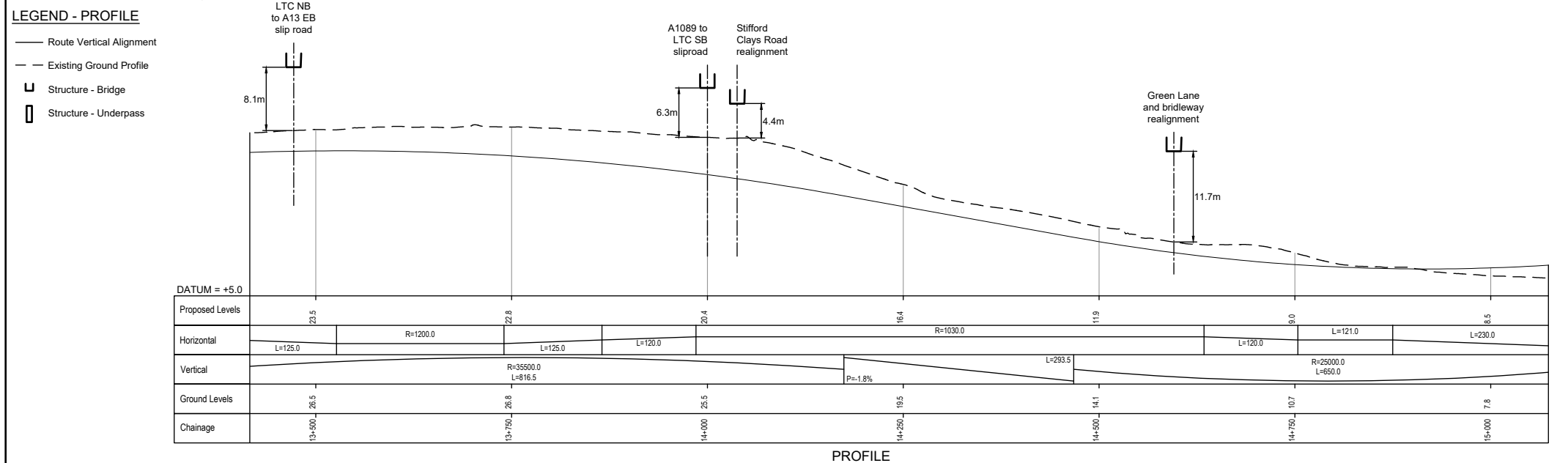
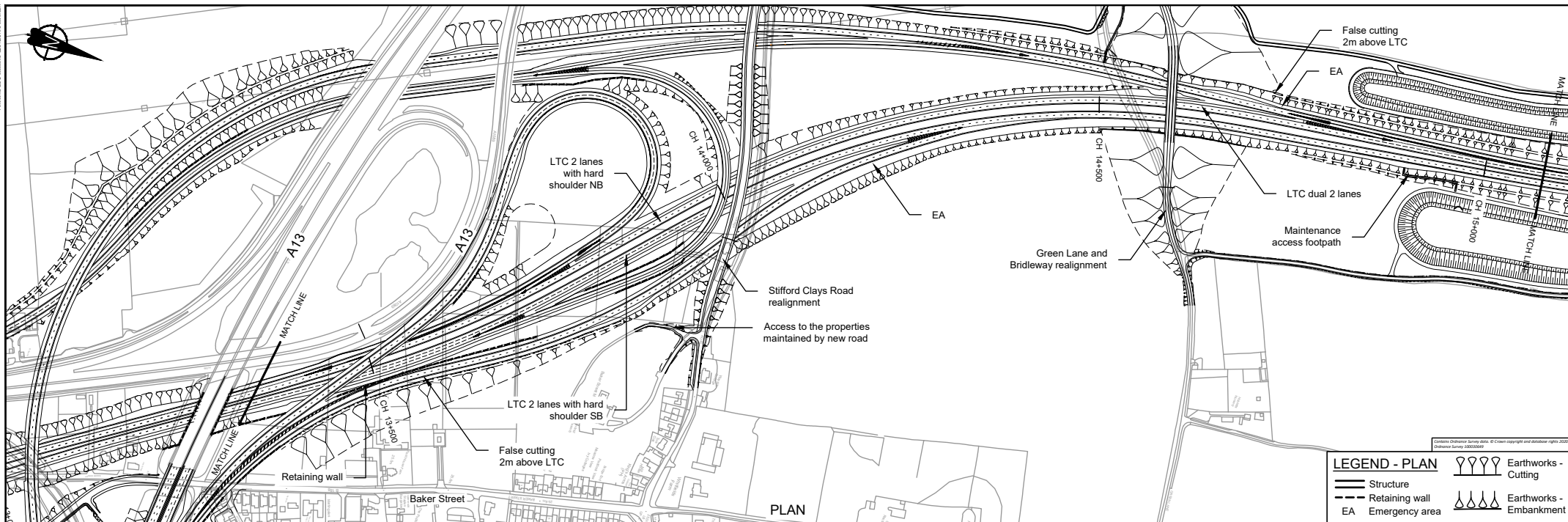
PROPOSALS FOR CONSULTATION

Project

LOWER THAMES CROSSING
COMMUNITY IMPACTS CONSULTATION

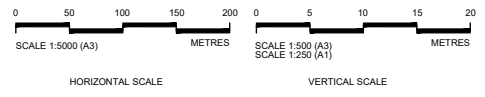
Drawing title

PLAN AND PROFILE
SHEET 13



- NOTES**
- Do not scale from this drawing.
 - All dimensions are in metres unless stated otherwise.
 - All levels are in metres relative to the Ordnance Datum.
 - For scheme location refer to Plan and Profile Key Plan.
 - Profile uses an exaggerated scale of 1 horizontal :10 vertical

NB - Northbound
WB - Westbound
EB - Eastbound
SB - Southbound

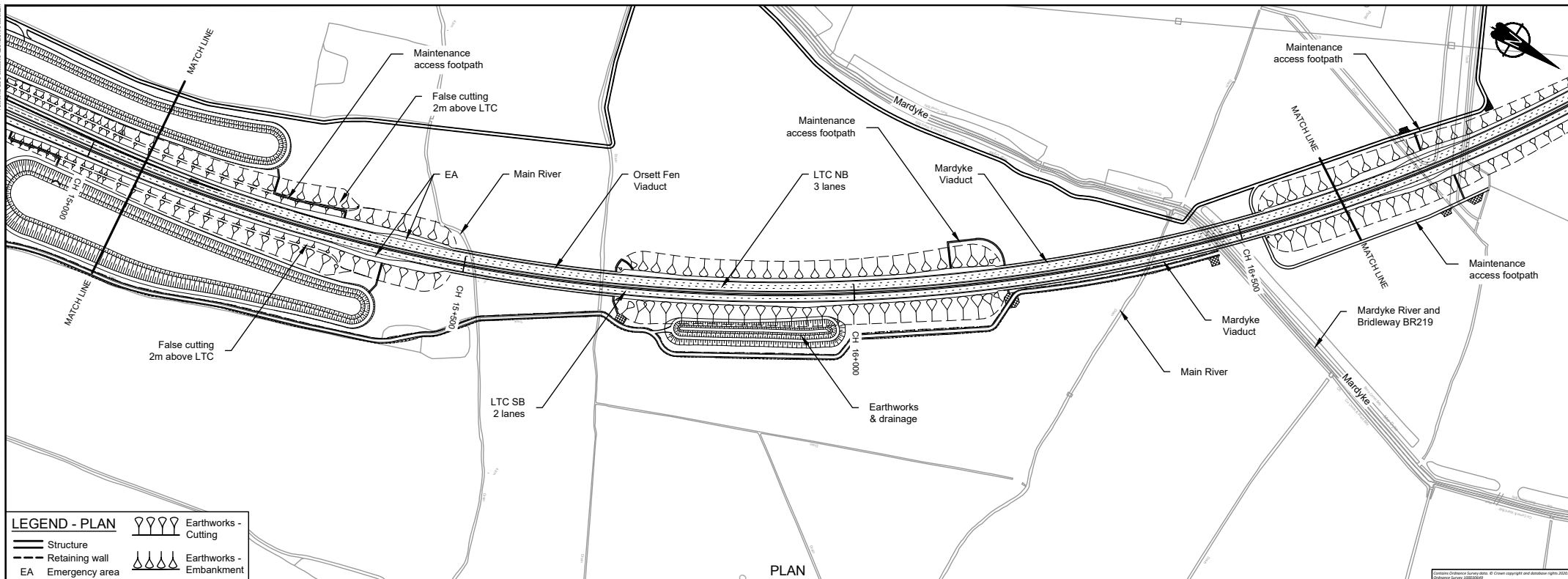


Client **highways england**

PROPOSALS FOR CONSULTATION

Project **LOWER THAMES CROSSING COMMUNITY IMPACTS CONSULTATION**

Drawing title **PLAN AND PROFILE SHEET 14**



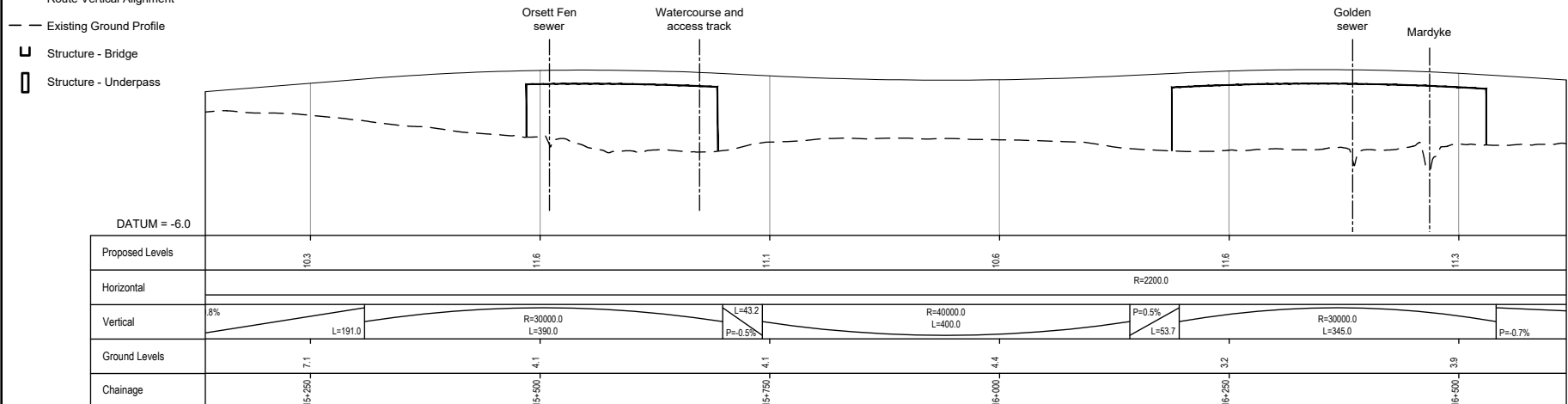
LEGEND - PLAN

	Earthworks - Cutting
	Structure
	Retaining wall
	Emergency area
	Earthworks - Embankment

PLAN

LEGEND - PROFILE

- Route Vertical Alignment
- Existing Ground Profile
- Structure - Bridge
- Structure - Underpass

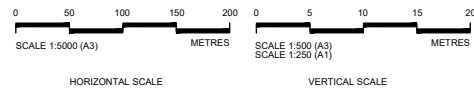


PROFILE

NOTES

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2. All dimensions are in metres unless stated otherwise.
3. All levels are in metres relative to the Ordnance Datum.
4. For scheme location refer to Plan and Profile Key Plan.
5. Profile uses an exaggerated scale of 1 horizontal :10 vertical

- NB - Northbound
- WB - Westbound
- EB - Eastbound
- SB - Southbound

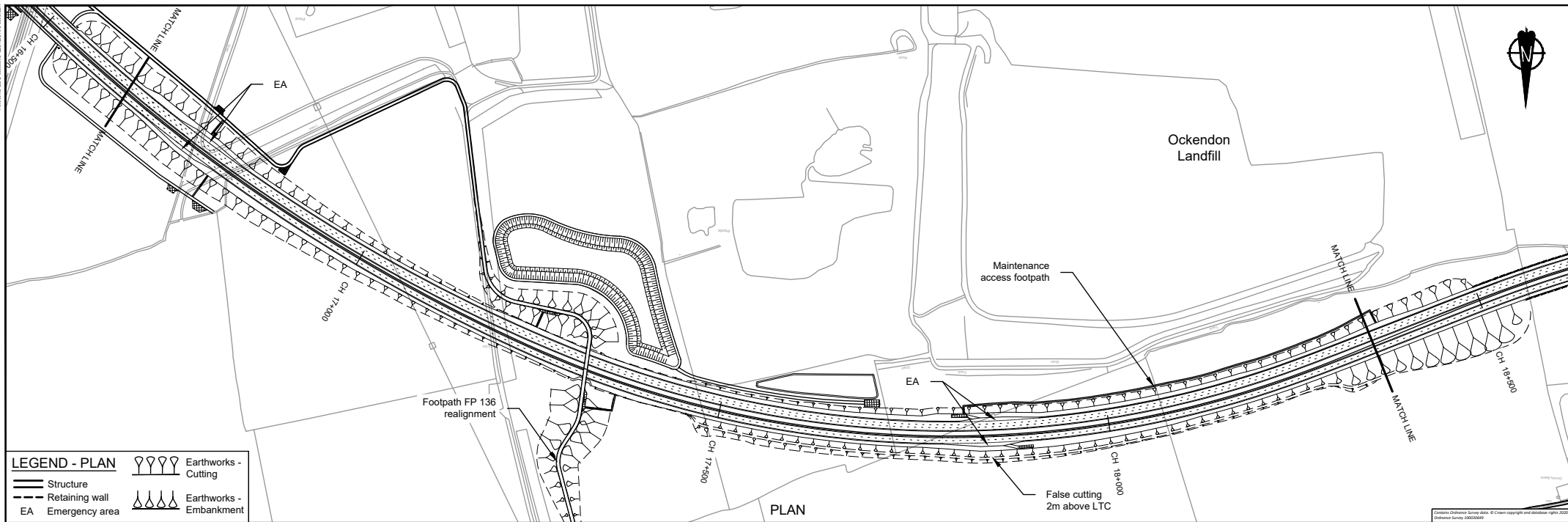


Client

PROPOSALS FOR CONSULTATION

Project LOWER THAMES CROSSING
COMMUNITY IMPACTS CONSULTATION

Drawing title **PLAN AND PROFILE**
SHEET 15



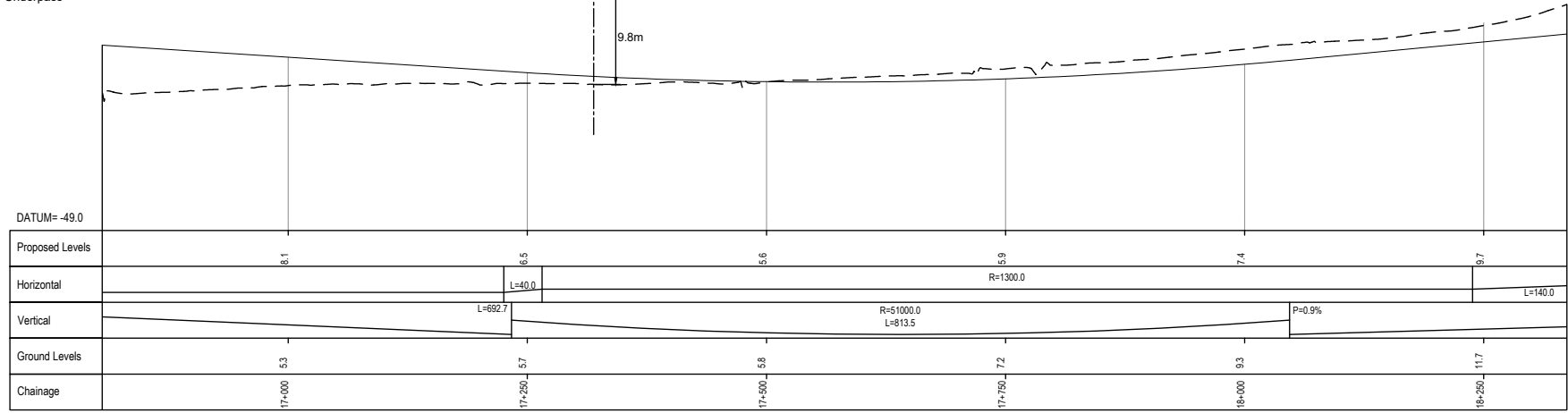
LEGEND - PLAN

	Structure		Earthworks - Cutting
	Retaining wall		Earthworks - Embankment
	Emergency area		

LEGEND - PROFILE

- Route Vertical Alignment
- Existing Ground Profile
- Structure - Bridge
- Structure - Underpass

Footpath and farm track FP136 realignment

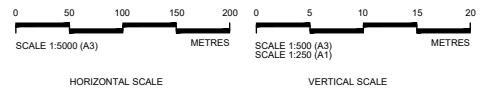


PROFILE

NOTES

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2. All dimensions are in metres unless stated otherwise.
3. All levels are in metres relative to the Ordnance Datum.
4. For scheme location refer to Plan and Profile Key Plan.
5. Profile uses an exaggerated scale of 1 horizontal :10 vertical

- NB - Northbound
- WB - Westbound
- EB - Eastbound
- SB - Southbound



Client

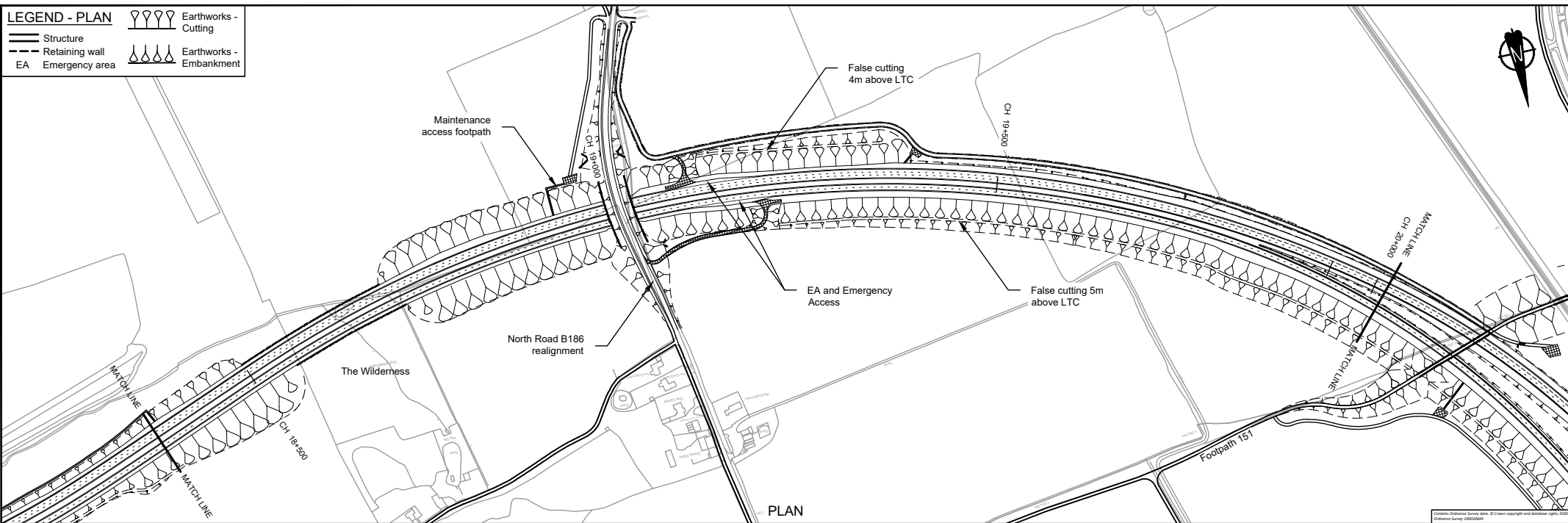
PROPOSALS FOR CONSULTATION

Project LOWER THAMES CROSSING
COMMUNITY IMPACTS CONSULTATION

Drawing title
PLAN AND PROFILE SHEET 16

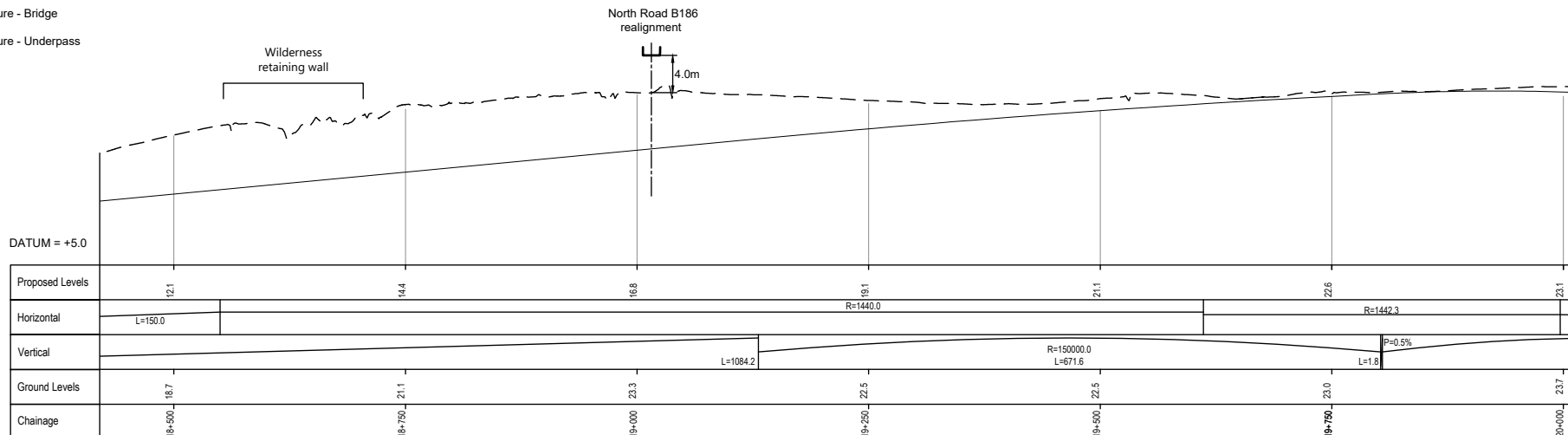
LEGEND - PLAN

	Earthworks - Cutting
	Structure
	Retaining wall
	EA
	Earthworks - Embankment



LEGEND - PROFILE

- Route Vertical Alignment
- - Existing Ground Profile
-
-

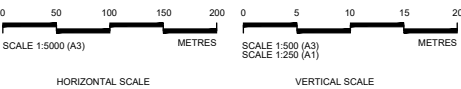


PROFILE

NOTES

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- All levels are in metres relative to the Ordnance Datum.
- For scheme location refer to Plan and Profile Key Plan.
- Profile uses an exaggerated scale of 1 horizontal :10 vertical

- NB - Northbound
- WB - Westbound
- EB - Eastbound
- SB - Southbound

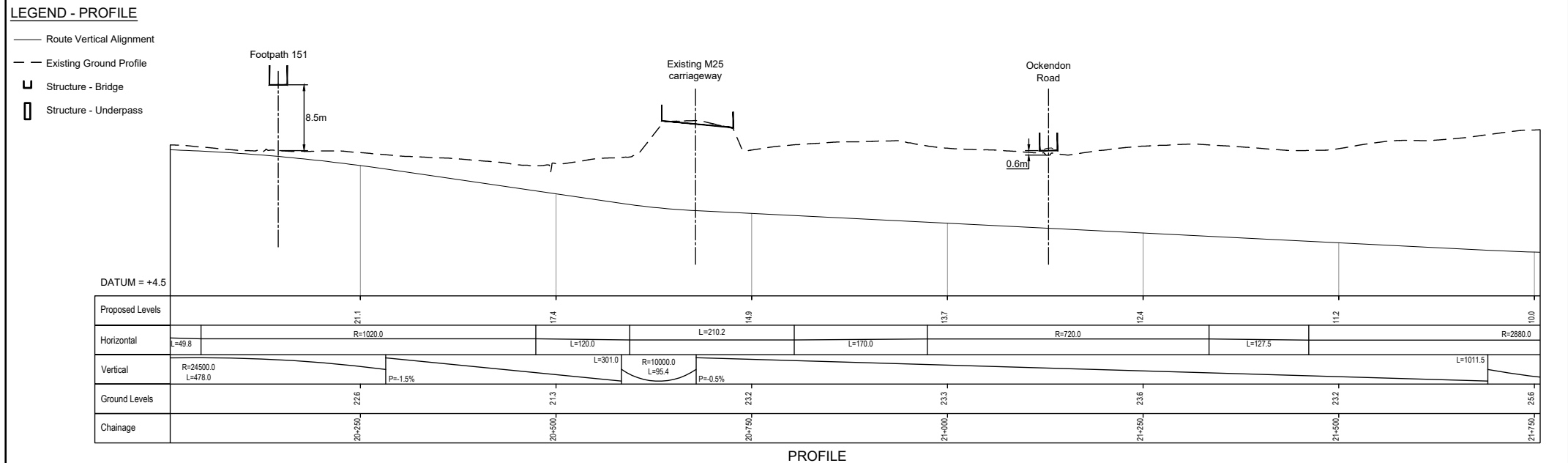
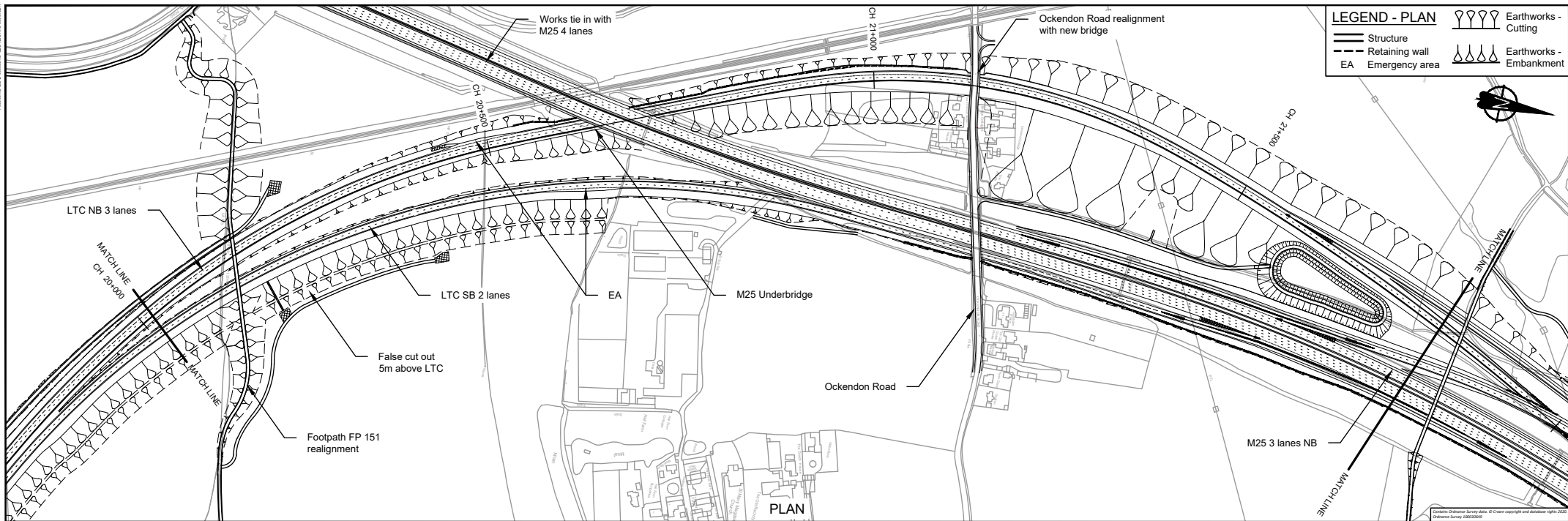


Client

PROPOSALS FOR CONSULTATION

Project LOWER THAMES CROSSING
COMMUNITY IMPACTS CONSULTATION

Drawing title **PLAN AND PROFILE SHEET 17**



NOTES

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- All levels are in metres relative to the Ordnance Datum.
- For scheme location refer to Plan and Profile Key Plan.
- Profile uses an exaggerated scale of 1 horizontal :10 vertical

NB - Northbound
WB - Westbound
EB - Eastbound
SB - Southbound

0 50 100 150 200 METRES
SCALE 1:5000 (A3)

0 5 10 15 20 METRES
SCALE 1:500 (A3)
SCALE 1:250 (A1)

HORIZONTAL SCALE

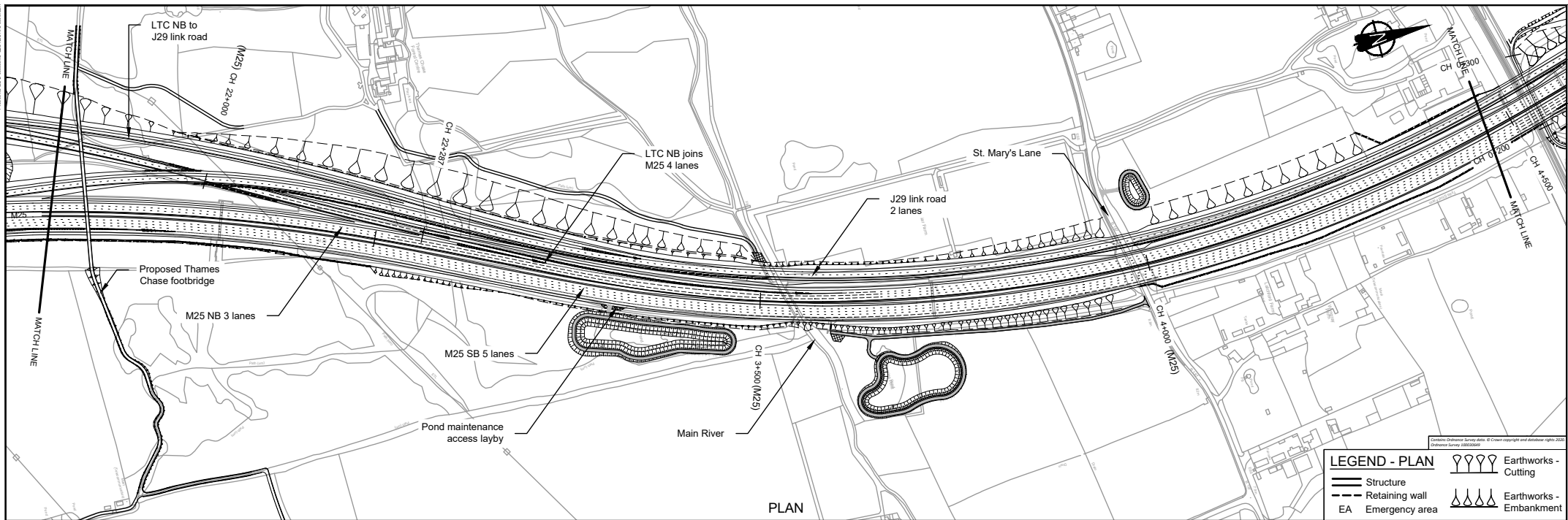
VERTICAL SCALE

Client **highways england**

Project **LOWER THAMES CROSSING COMMUNITY IMPACTS CONSULTATION**

Drawing title **PLAN AND PROFILE SHEET 18**

PROPOSALS FOR CONSULTATION

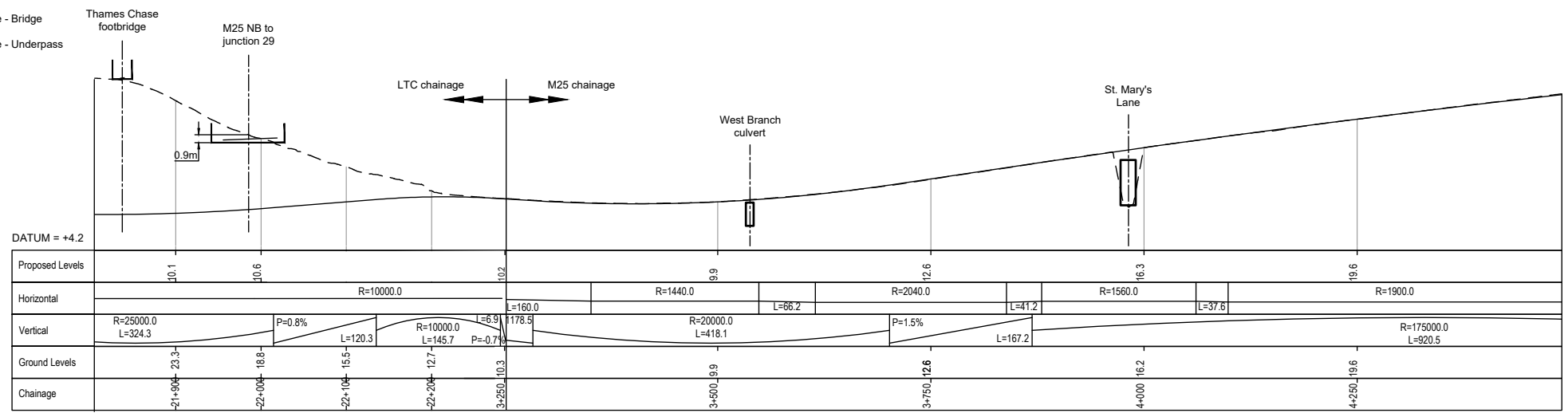


LEGEND - PLAN

	Earthworks - Cutting
	Structure
	Retaining wall
	EA Emergency area
	Earthworks - Embankment

LEGEND - PROFILE

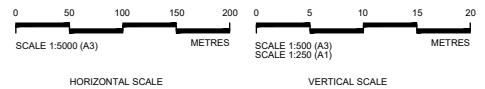
- Route Vertical Alignment
- - - Existing Ground Profile
-
-



PROFILE

- NOTES**
- Do not scale from this drawing.
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 - All levels are in metres relative to the Ordnance Datum.
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 - Profile uses an exaggerated scale of 1 horizontal :10 vertical

- NB - Northbound
- WB - Westbound
- EB - Eastbound
- SB - Southbound

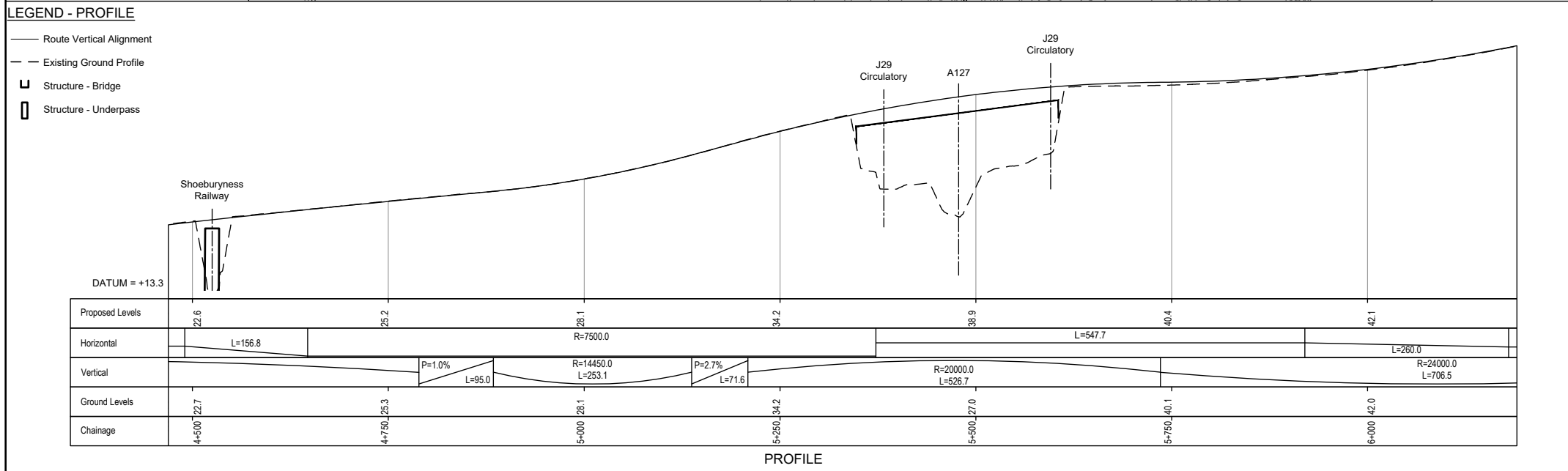
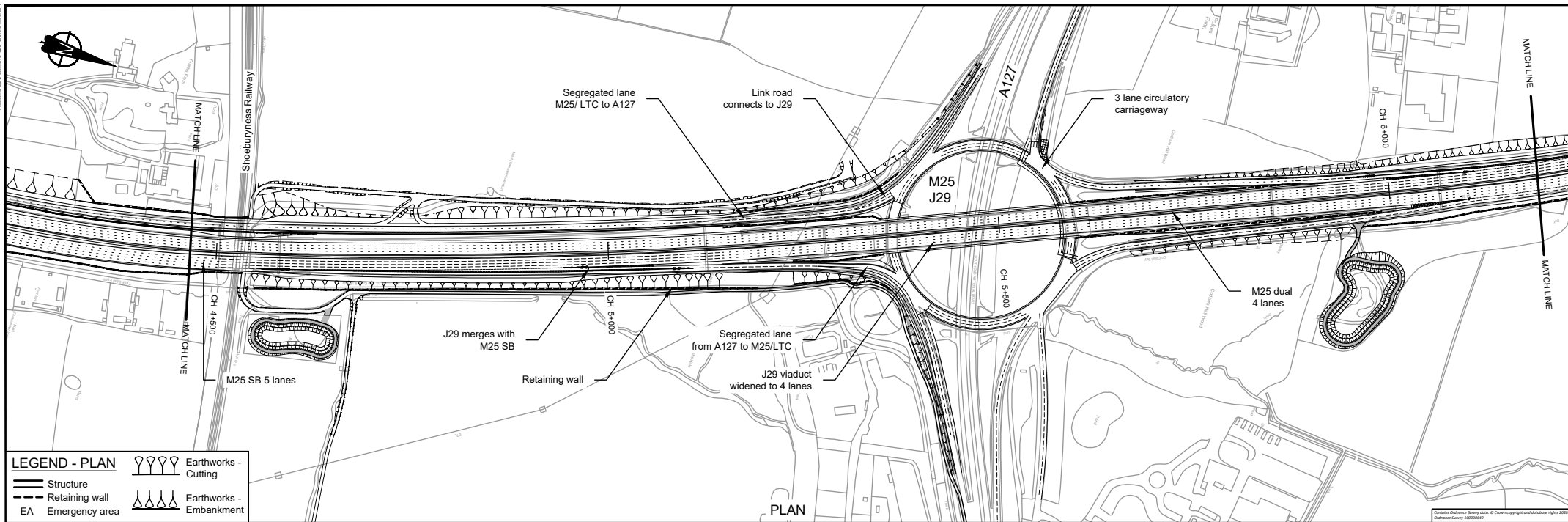


Client

PROPOSALS FOR CONSULTATION

Project **LOWER THAMES CROSSING COMMUNITY IMPACTS CONSULTATION**

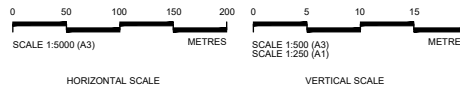
Drawing title **PLAN AND PROFILE SHEET 19**



NOTES

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- All levels are in metres relative to the Ordnance Datum.
- For scheme location refer to Plan and Profile Key Plan.
- Profile uses an exaggerated scale of 1 horizontal :10 vertical

NB - Northbound
WB - Westbound
EB - Eastbound
SB - Southbound

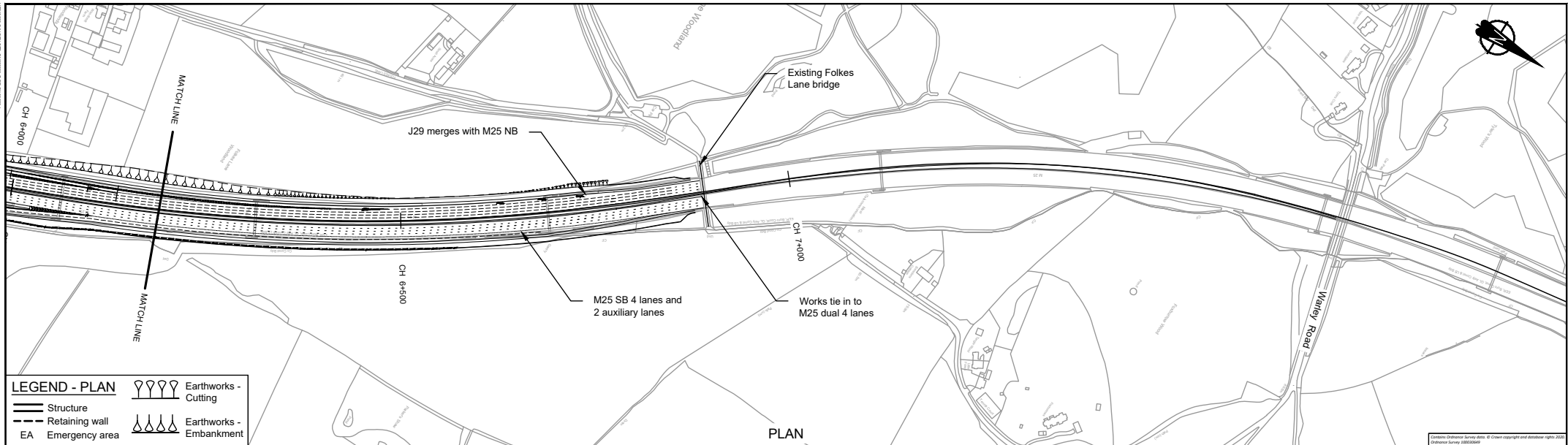


Client **highways england**

PROPOSALS FOR CONSULTATION

Project **LOWER THAMES CROSSING COMMUNITY IMPACTS CONSULTATION**

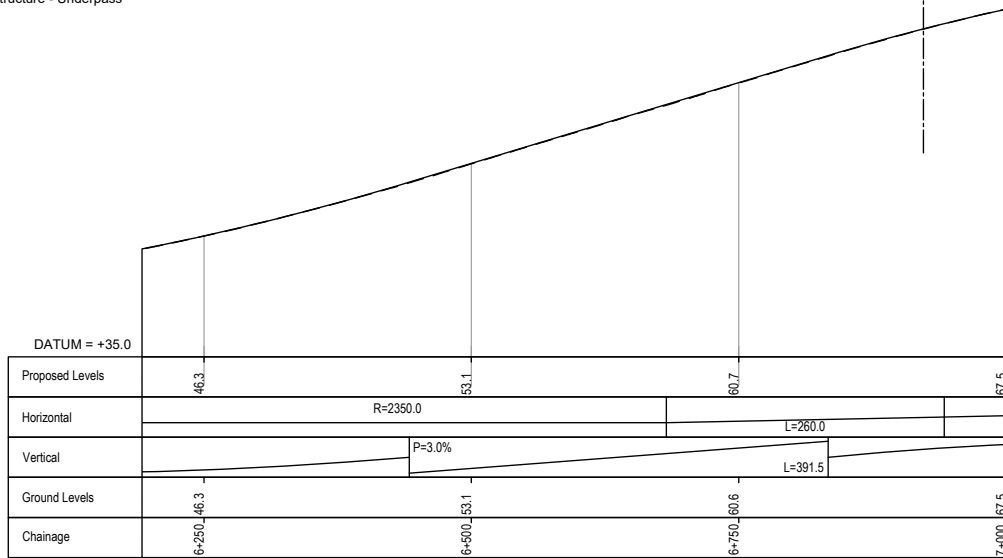
Drawing title **PLAN AND PROFILE SHEET 20**



LEGEND - PROFILE

- Route Vertical Alignment
- Existing Ground Profile
- Structure - Bridge
- Structure - Underpass

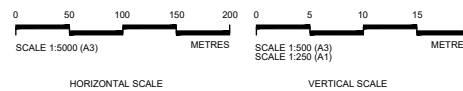
Existing Folkes Lane Bridge



NOTES

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- Profile uses an exaggerated scale of 1 horizontal :10 vertical

NB - Northbound
WB - Westbound
EB - Eastbound
SB - Southbound



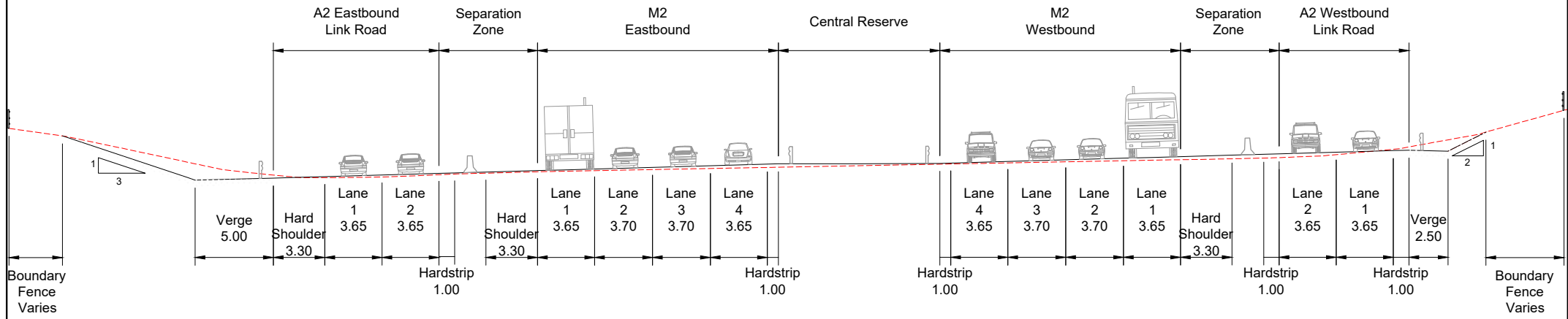
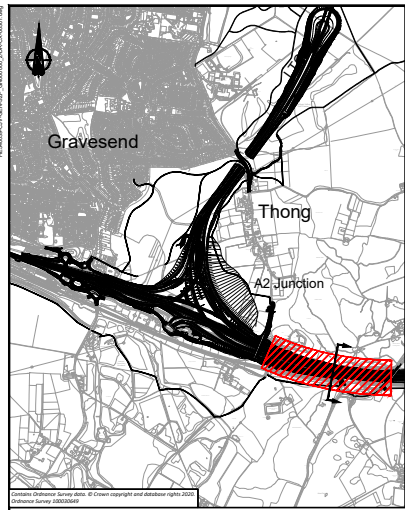
Client

PROPOSALS FOR CONSULTATION

Project LOWER THAMES CROSSING
COMMUNITY IMPACTS CONSULTATION

Drawing title

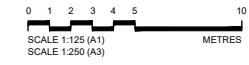
PLAN AND PROFILE SHEET 21



TYPICAL CROSS SECTION ALONG M2/A2

LEGEND:
 — Proposed ground level
 - - - Existing ground level

NOTES:
 1. All dimensions are in metres unless stated otherwise.



Client **highways england**

PROPOSALS FOR CONSULTATION

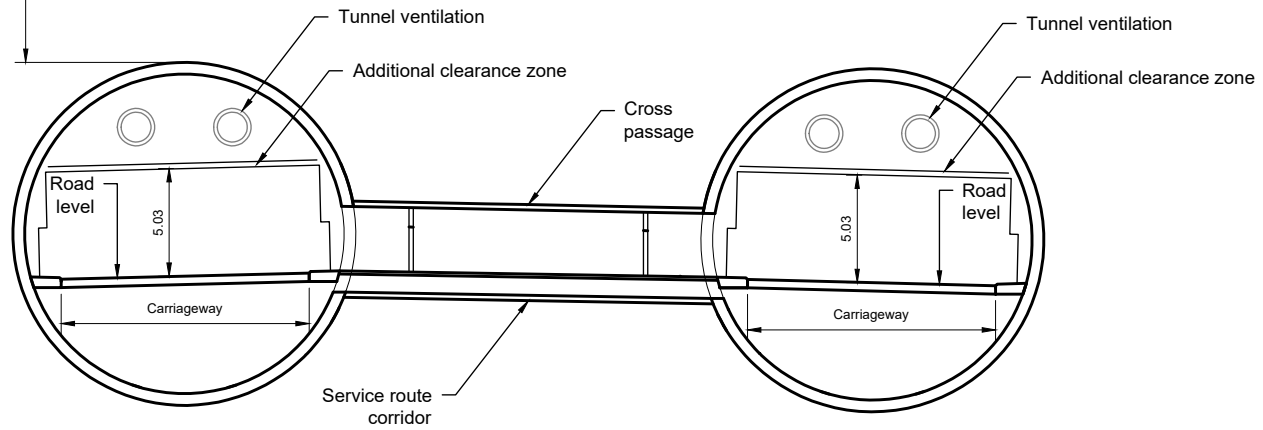
Project LOWER THAMES CROSSING
 COMMUNITY IMPACTS CONSULTATION

Drawing title **CROSS SECTION A2 WIDENING**



Mean Water Level = 3.47m

Depth of tunnel varies



TYPICAL CROSS SECTION THROUGH THE TUNNEL

LEGEND:

- Proposed ground level
- - - Riverbed level

NOTES:

1. All dimensions are in metres unless stated otherwise.



Client



PROPOSALS FOR CONSULTATION

Project

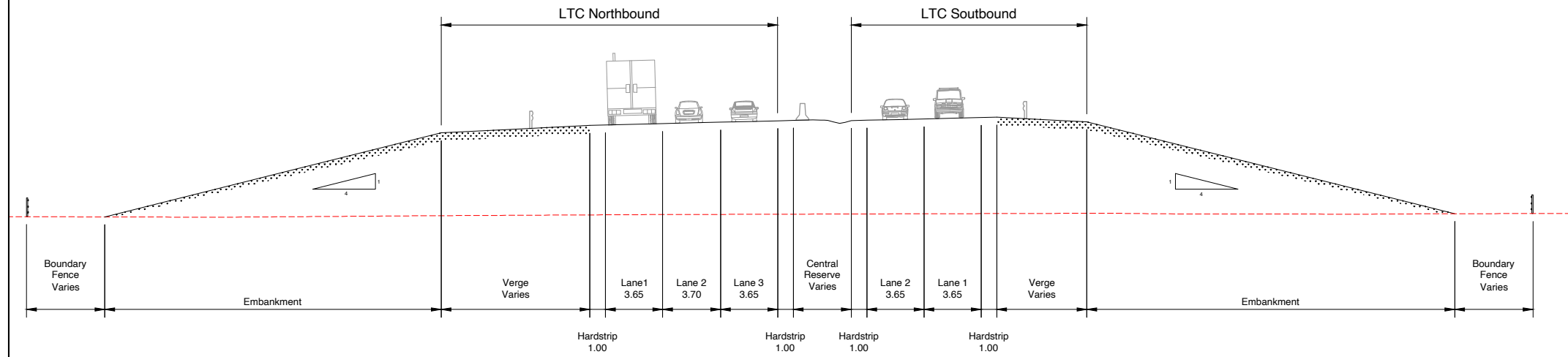
LOWER THAMES CROSSING
COMMUNITY IMPACTS CONSULTATION

Drawing title

CROSS SECTION
TUNNEL



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Ordnance Survey 100049049



TYPICAL CROSS SECTION
THROUGH ORSETT FENN

LEGEND:

- Proposed ground level
- - - Existing ground level

NOTES

1. All dimensions are in metres unless stated otherwise.



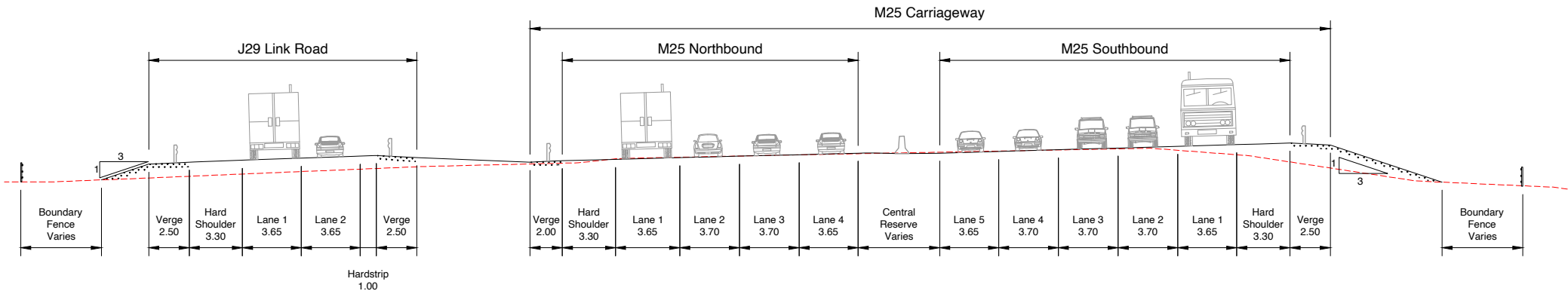
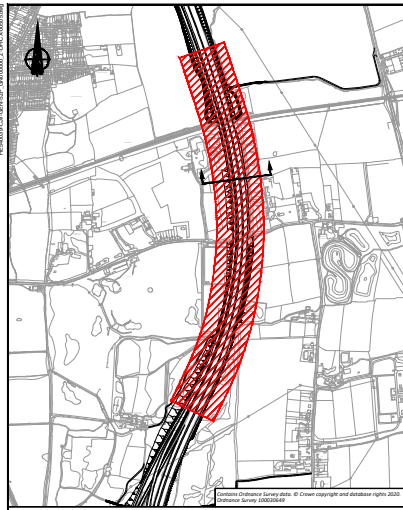
**PROPOSALS FOR
CONSULTATION**

Client: **highways
england**

Project: LOWER THAMES CROSSING
COMMUNITY IMPACTS CONSULTATION

Drawing title

**CROSS SECTION
OCKENDON LINK**



TYPICAL CROSS SECTION THROUGH M25 WITH LINK ROAD

LEGEND:

- Proposed ground level
- - - Existing ground level

NOTES

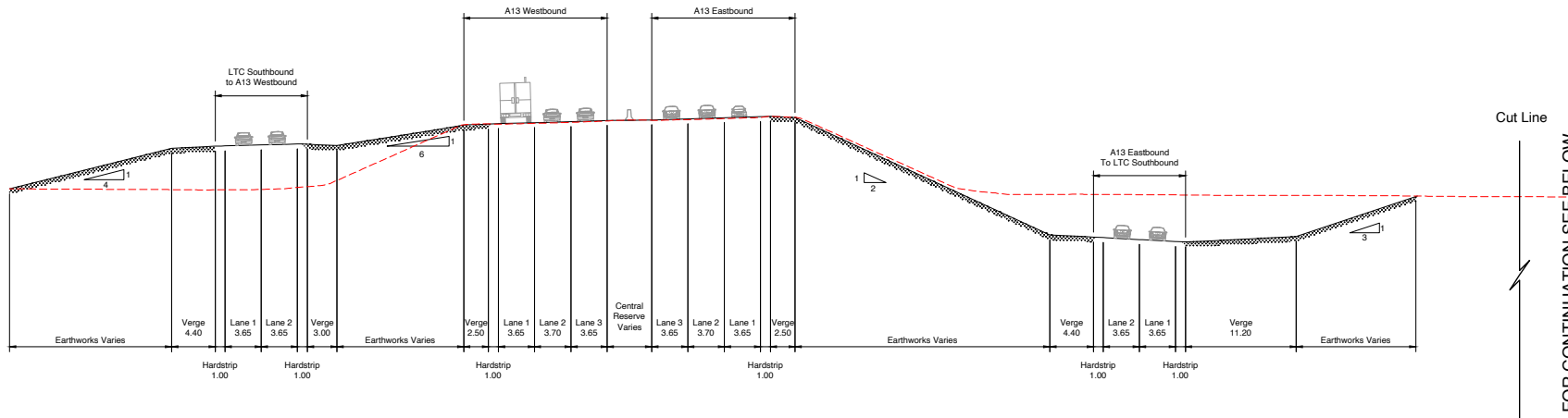
- All dimensions are in metres unless stated otherwise.



PROPOSALS FOR CONSULTATION

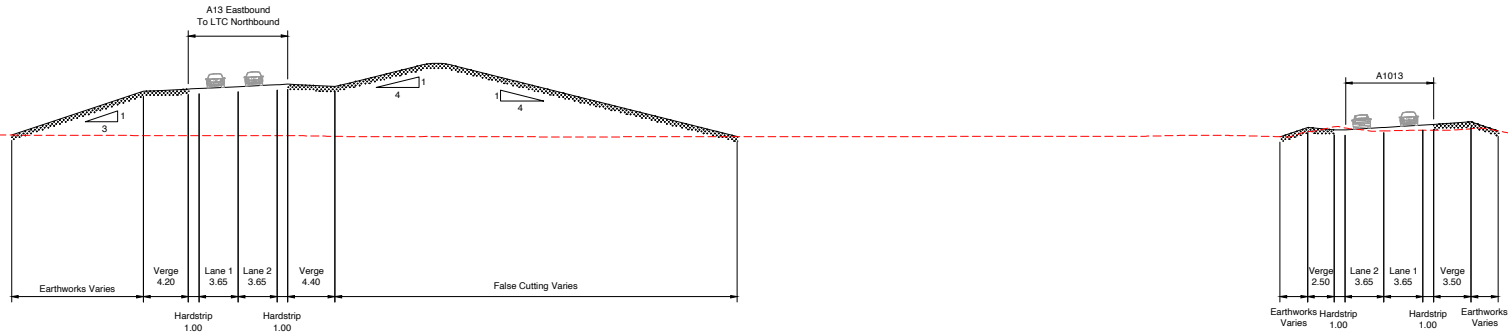
Project LOWER THAMES CROSSING
COMMUNITY IMPACTS CONSULTATION

Drawing title
CROSS SECTION
M25 WIDENING WITH
LINK ROAD



TYPICAL CROSS SECTION THROUGH A13 CORRIDOR

FOR CONTINUATION SEE ABOVE



TYPICAL CROSS SECTION THROUGH A13 CORRIDOR

LEGEND:

- Proposed ground level
- - - Existing ground level

NOTES

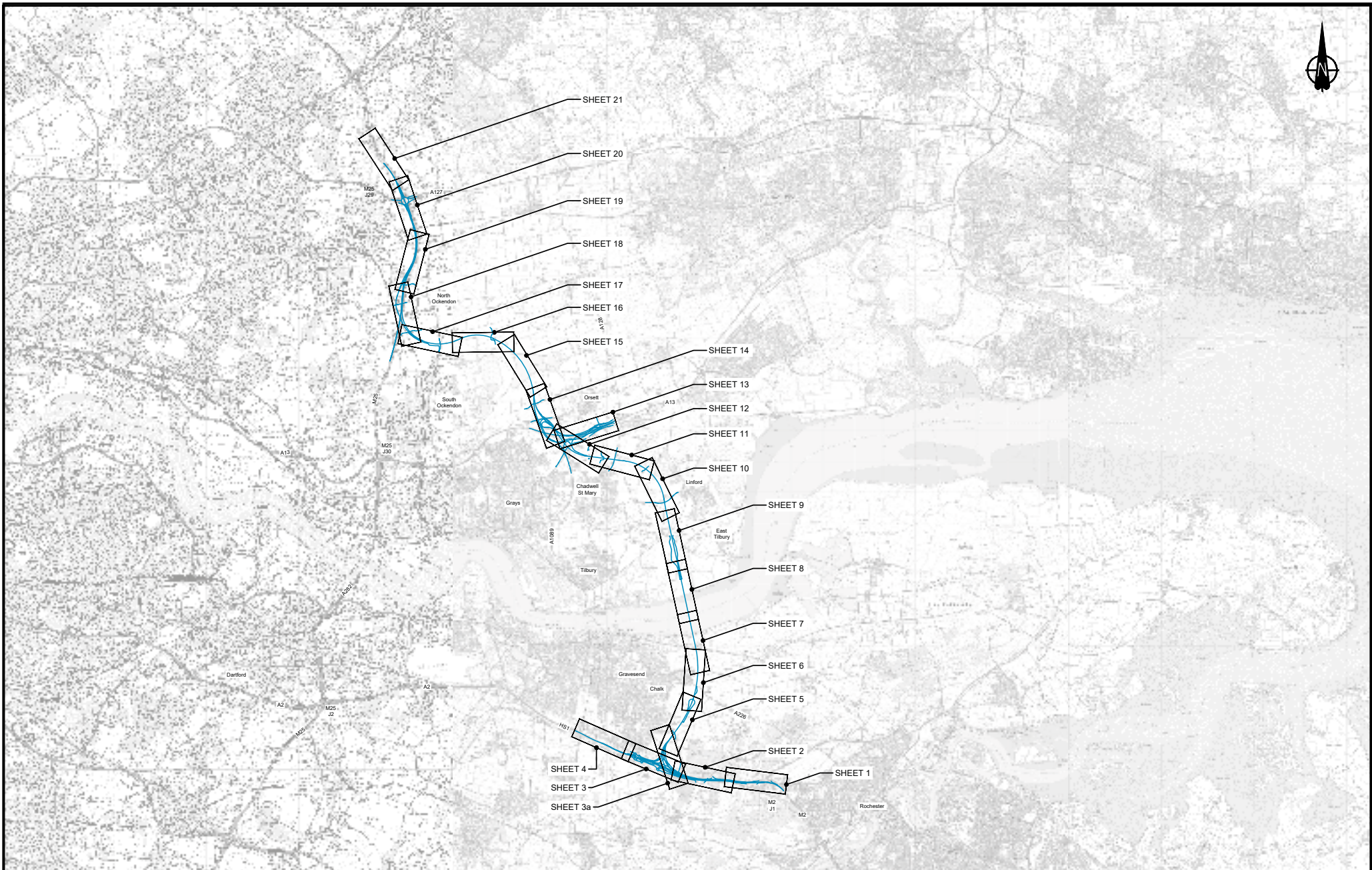
- All dimensions are in metres unless stated otherwise.



PROPOSALS FOR CONSULTATION

Project LOWER THAMES CROSSING
COMMUNITY IMPACTS CONSULTATION

CROSS SECTION
A13



LEGEND:
 Lower Thames Crossing (LTC)

Client



**PROPOSALS FOR
CONSULTATION**

Project LOWER THAMES CROSSING
COMMUNITY IMPACTS CONSULTATION

Drawing title

**PLAN AND PROFILE
KEY PLAN**

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