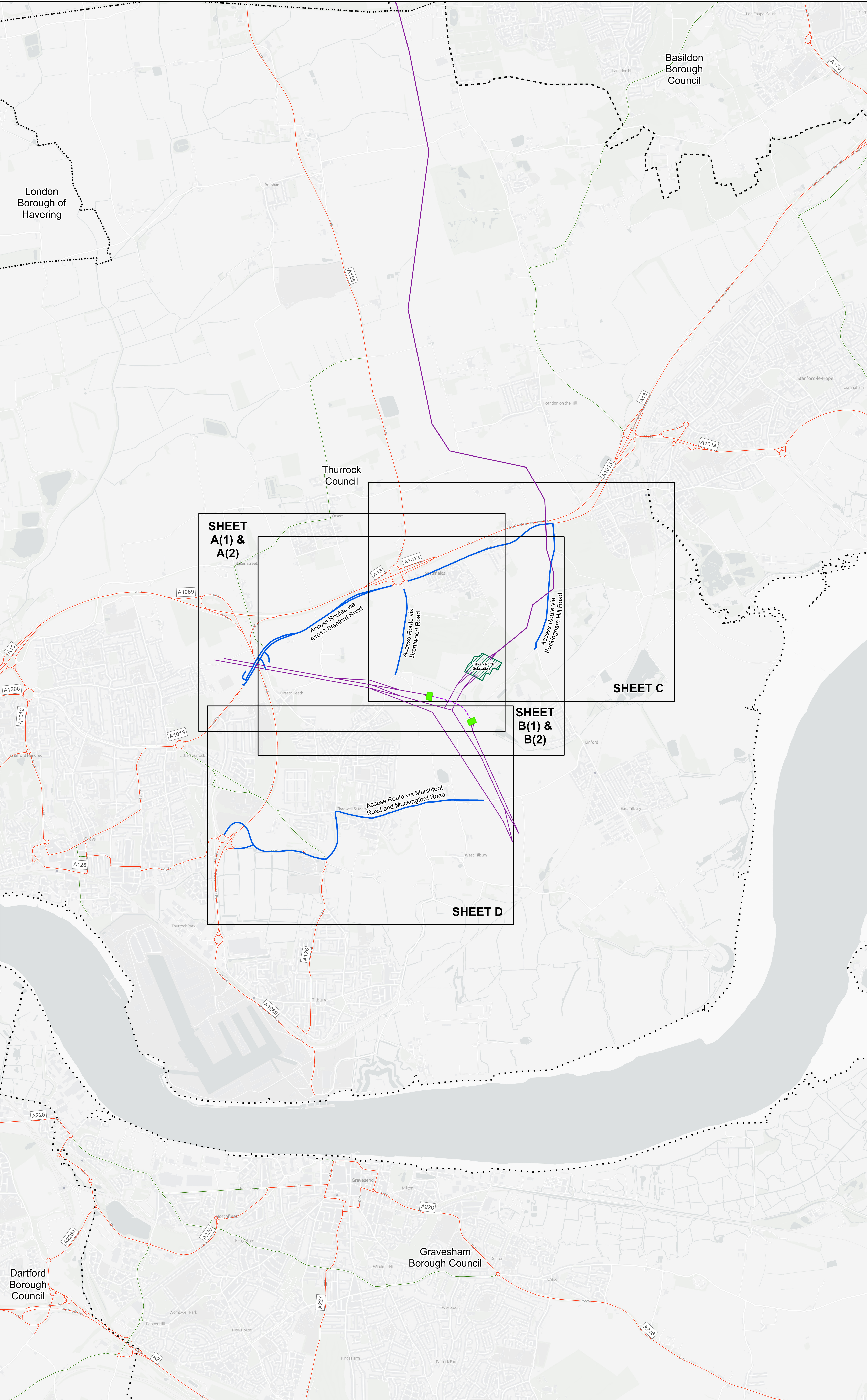
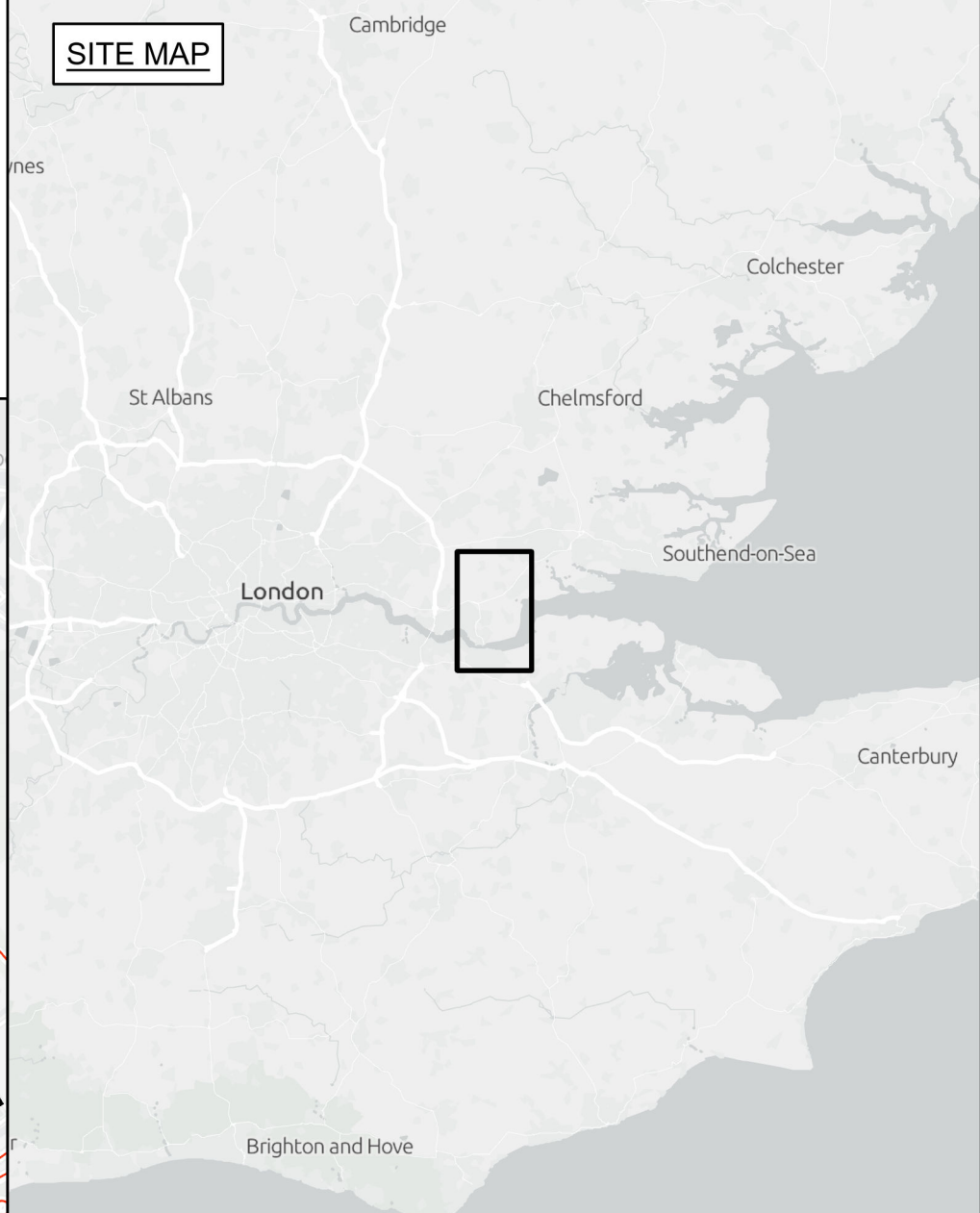


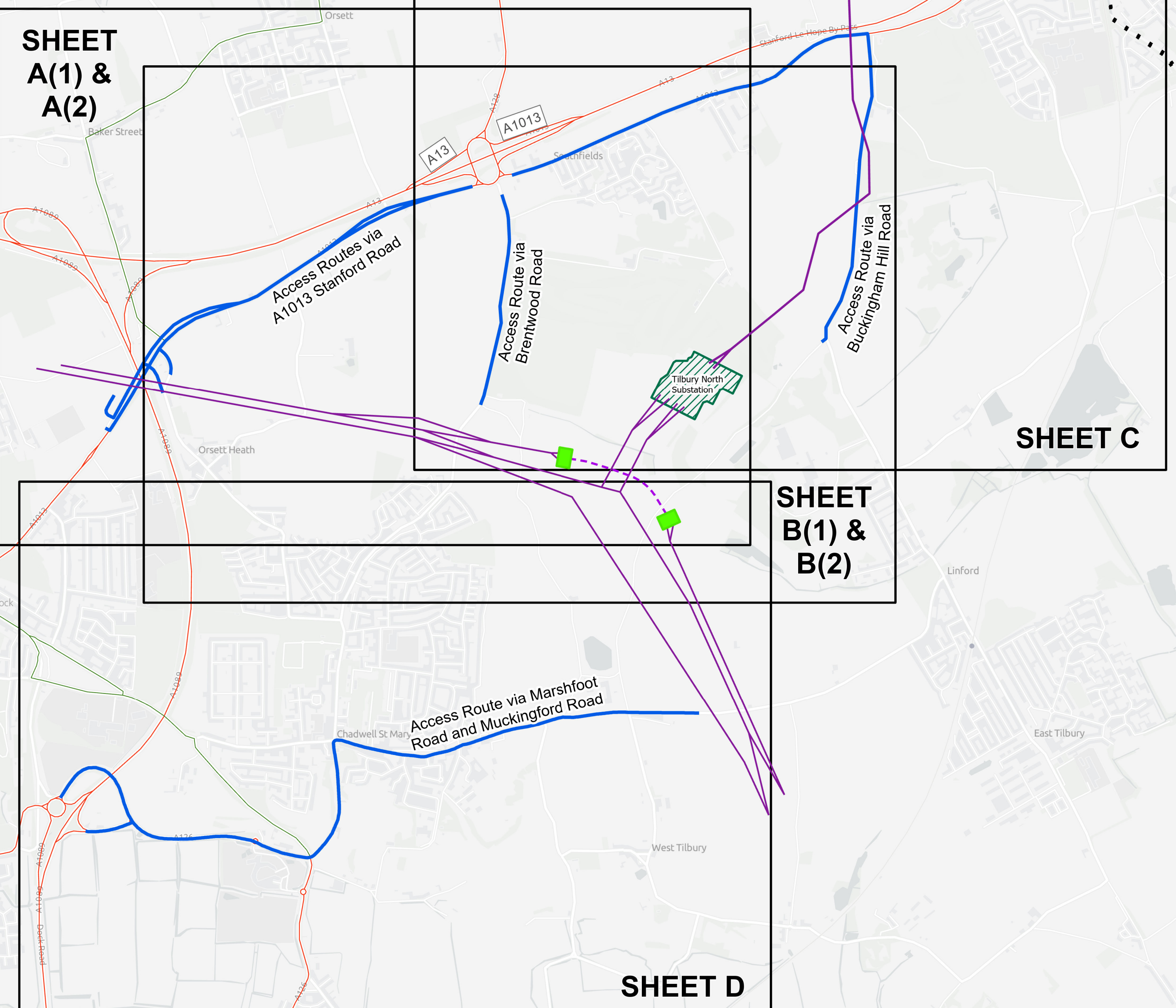


NATIONAL GRID (NORWICH TO TILBURY)
TARGETED STATUTORY CONSULTATION FOR THURROCK 3 - PROPOSED CHANGES TO CONNECTION AT TILBURY
CONSTRUCTION ACCESS PLAN, SECTION H
(SHEET 1 OF 1, THURROCK COUNCIL)

CONSTRUCTION ACCESS KEY PLAN



- Legend**
- Sheet index
 - Local authority boundary
 - Existing roads**
 - A road
 - B road
 - Proposed project design details**
 - Proposed new substation boundary
 - New or modified overhead line
 - New underground cable swathe centerline
 - Primary Access Route
 - New Cable Sealing End Compound



Notes
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Coordinate System: British National Grid
Sheet X Centroid Coordinate: 565770 Sheet Y Centroid Coordinate: 179785
0 187.5 375 750 1,125 1,500 Metres

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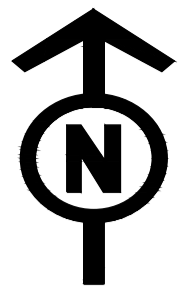
Issue	Date	Remarks	Drawn	Checked	Approved
A	Mar 2025	TARGETED STATUTORY CONSULTATION	CF	MH	KS

Title
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TARGETED STATUTORY CONSULTATION FOR THURROCK 3
PROPOSED CHANGES TO CONNECTION AT TILBURY
CONSTRUCTION ACCESS PLAN, SECTION H
(SHEET 1 OF 1, THURROCK COUNCIL)
TILBURY NORTH CONSTRUCTION ACCESS KEY PLAN

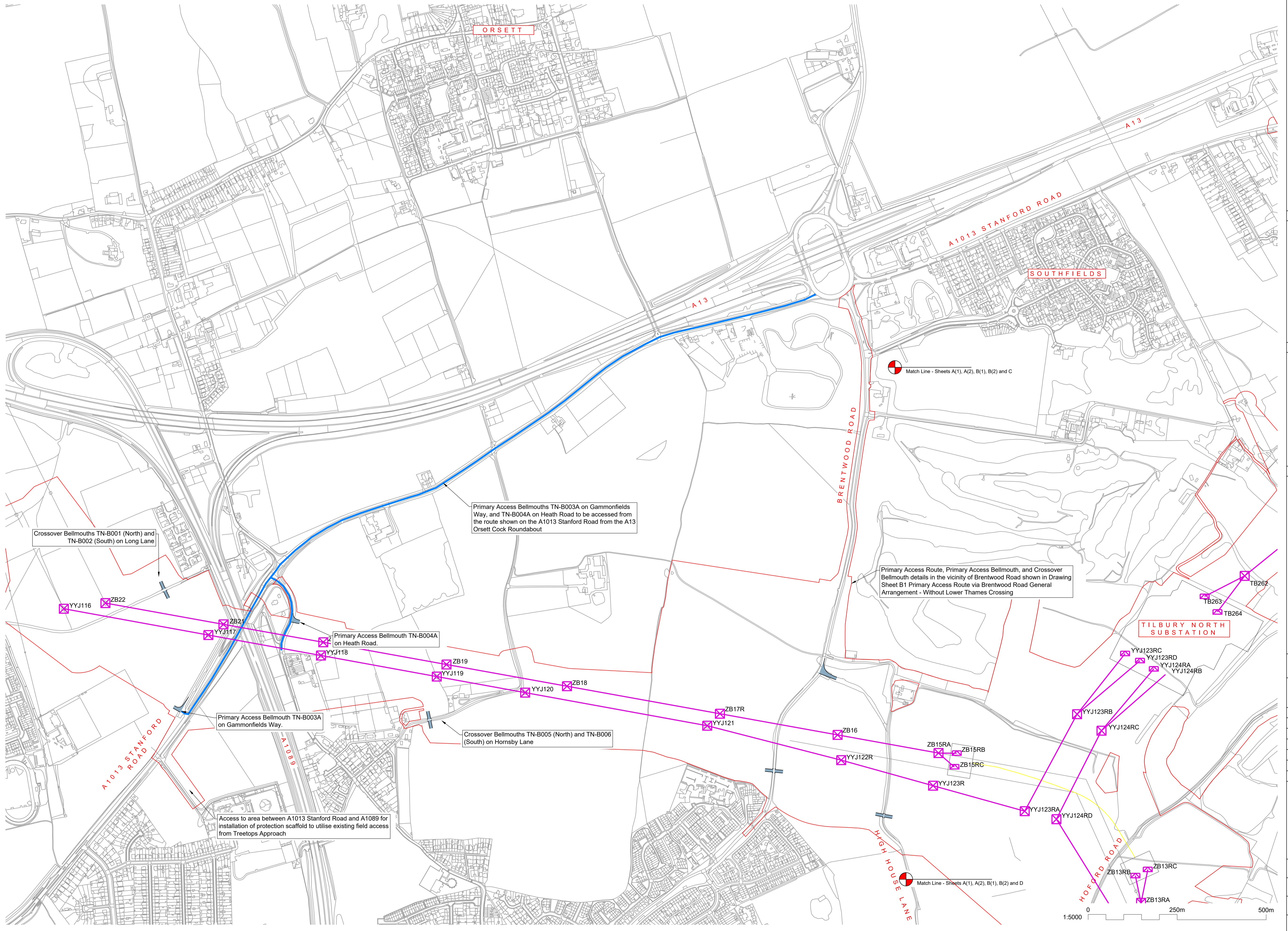


National Grid Drawing Reference
AENC-MMAC-ENG-PLN-0001

Scale	Sheet Size	Sheet	Issue
1:15,000	A0	SHEET 1 OF 1	A



**NATIONAL GRID
(NORWICH TO TILBURY)
TARGETED STATUTORY CONSULTATION FOR THURROCK 3 - PROPOSED CHANGES
TO CONNECTION AT TILBURY - CONSTRUCTION ACCESS PLAN, SECTION H
(SHEET A(1), THURROCK COUNCIL)**



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Key to Symbols

- Primary Access Route
- Draft Order Limits
- Proposed Access Bellmouth
- Lower Thames Crossing DCO Submission Alignment
- Match Line
- ZB Underground Cable Centre Line
- Primary Access Route section outside of existing public highway
- Proposed Overhead Line Works
- Proposed Overhead Line Pylon Works
- Proposed Gantries

Location Plan

Design Vehicles

Overall Length: 25.440m	Overall Length: 16.633m
Overall Width: 4.500m	Overall Width: 2.500m
Overall Body Height: 5.000m	Overall Body Height: 3.396m
Max Track Width: 2.500m	Max Track Width: 2.500m
Kerb to Kerb Radius: 14.500m	Kerb to Kerb Radius: 6.790m

Mobile Crane Liebherr LTM 1250-6.1
Overall Length: 17.635m
Overall Width: 3.000m
Overall Body Height: 4.000m
Track Width: 3.000m
Kerb to Kerb Radius: 11.624m

Coordinate System: British National Grid
Sheet X Centroid Coordinate: 564788 Sheet Y Centroid Coordinate: 180703

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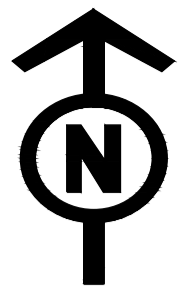
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P03	07/03/2025	Order Limits Update	CC	MH	KS
P02	28/02/2025	Order Limits Update	MH	AR	KS
P01	25/11/2024	First Issue	MH	DC	KS

Title
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TARGETED STATUTORY CONSULTATION
FOR THURROCK 3 - PROPOSED CHANGES
TO CONNECTION AT TILBURY -
CONSTRUCTION ACCESS PLAN, SECTION H
(SHEET A(1), THURROCK COUNCIL)
PRIMARY ACCESS ROUTES VIA A1013
STANFORD ROAD GENERAL ARRANGEMENT
WITHOUT LOWER THAMES CROSSING

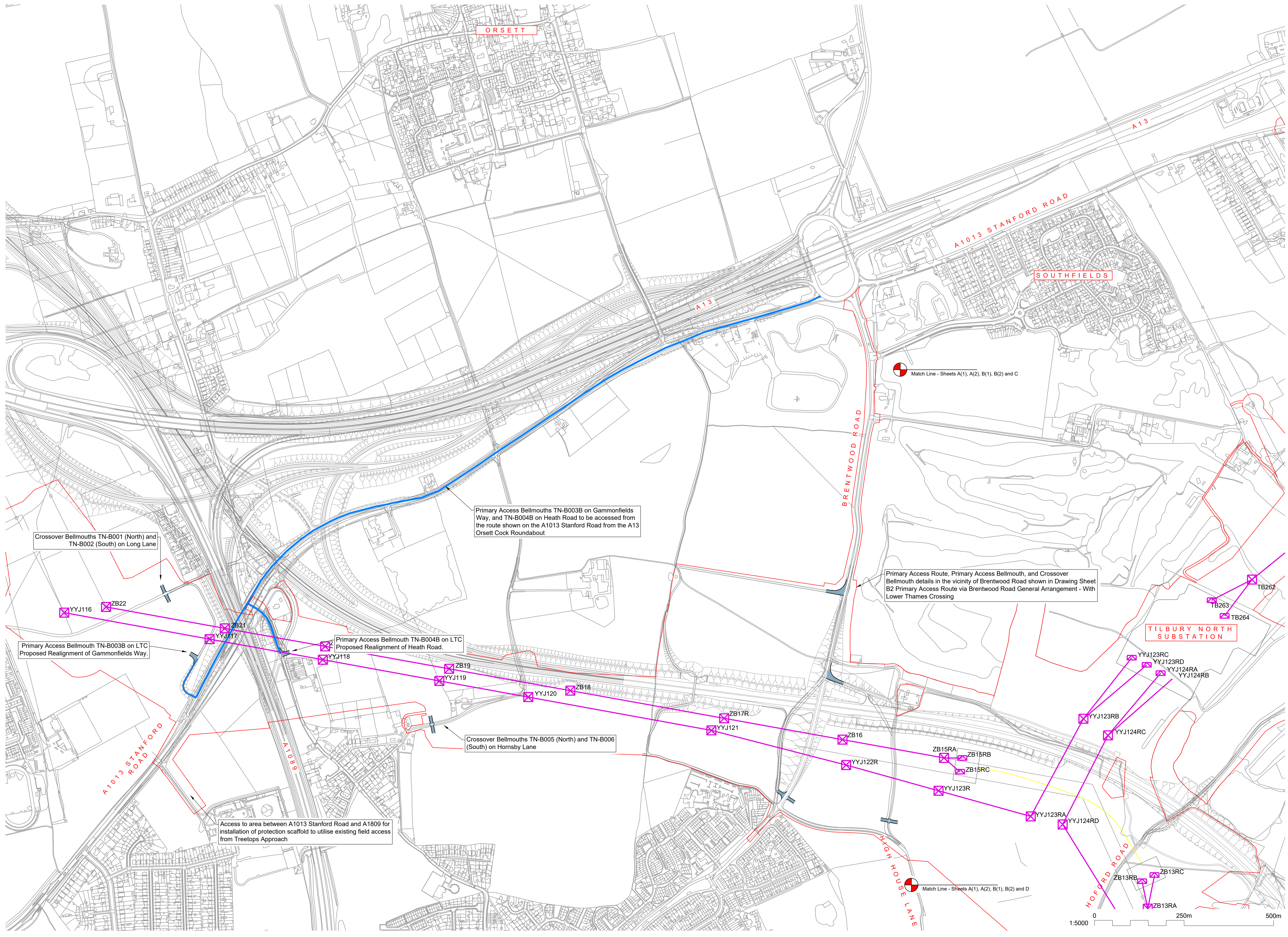
Application Number
AENC-MMAC-ENG-PLN-0001

National Grid Drawing Reference
AENC-MMAC-ENG-PLN-0001

Scale	Sheet Size	Sheet	Issue
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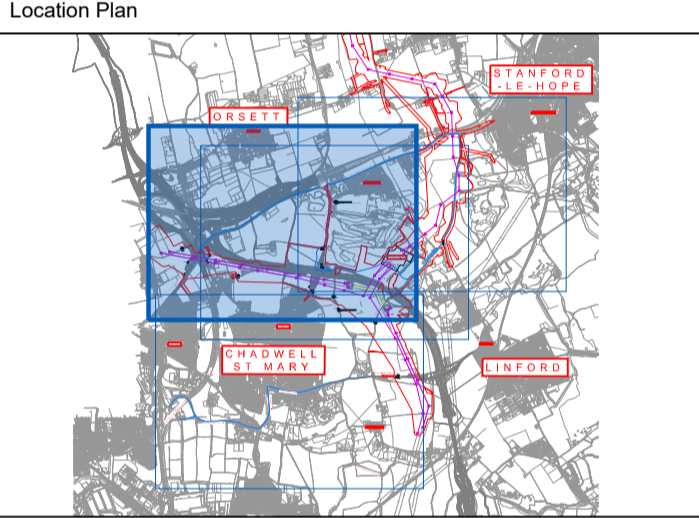
NATIONAL GRID
(NORWICH TO TILBURY)
TARGETED STATUTORY CONSULTATION FOR THURROCK 3 - PROPOSED CHANGES
TO CONNECTION AT TILBURY - CONSTRUCTION ACCESS PLAN, SECTION H
(SHEET A(2), THURROCK COUNCIL)



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Key to Symbols

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- Draft Order Limits
- Proposed Access Bellmouth
- Lower Thames Crossing DCO Submission Alignment
- Match Line
- ZB Underground Cable Centre Line
- Primary Access Route section outside of existing public highway
- Proposed Overhead Line Works
- Proposed Overhead Line Pylon Works
- Proposed Ganties



Design Vehicles

Low Loader (Cable Drum Delivery)	Low Loader HGV
Overall Length 4.500m	Overall Length 16.633m
Overall Width 2.500m	Overall Width 2.500m
Overall Body Height 5.000m	Overall Body Height 3.396m
Max Track Width 2.500m	Max Track Width 2.500m
Kerb to Kerb Radius 14.500m	Kerb to Kerb Radius 6.790m

Mobile Crane Liebherr LTM 1250-6.1
Overall Length 17.835m
Overall Width 3.000m
Overall Body Height 4.000m
Track Width 3.000m
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Issue	Date	Remarks	Drawn	Checked	Approved
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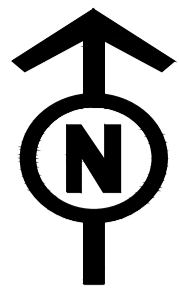
Title: NATIONAL GRID (NORWICH TO TILBURY) TARGETED STATUTORY CONSULTATION FOR THURROCK 3 - PROPOSED CHANGES TO CONNECTION AT TILBURY - CONSTRUCTION ACCESS PLAN, SECTION H (SHEET A(2), THURROCK COUNCIL) PRIMARY ACCESS ROUTES VIA A1013 STANFORD ROAD GENERAL ARRANGEMENT WITH LOWER THAMES CROSSING

nationalgrid

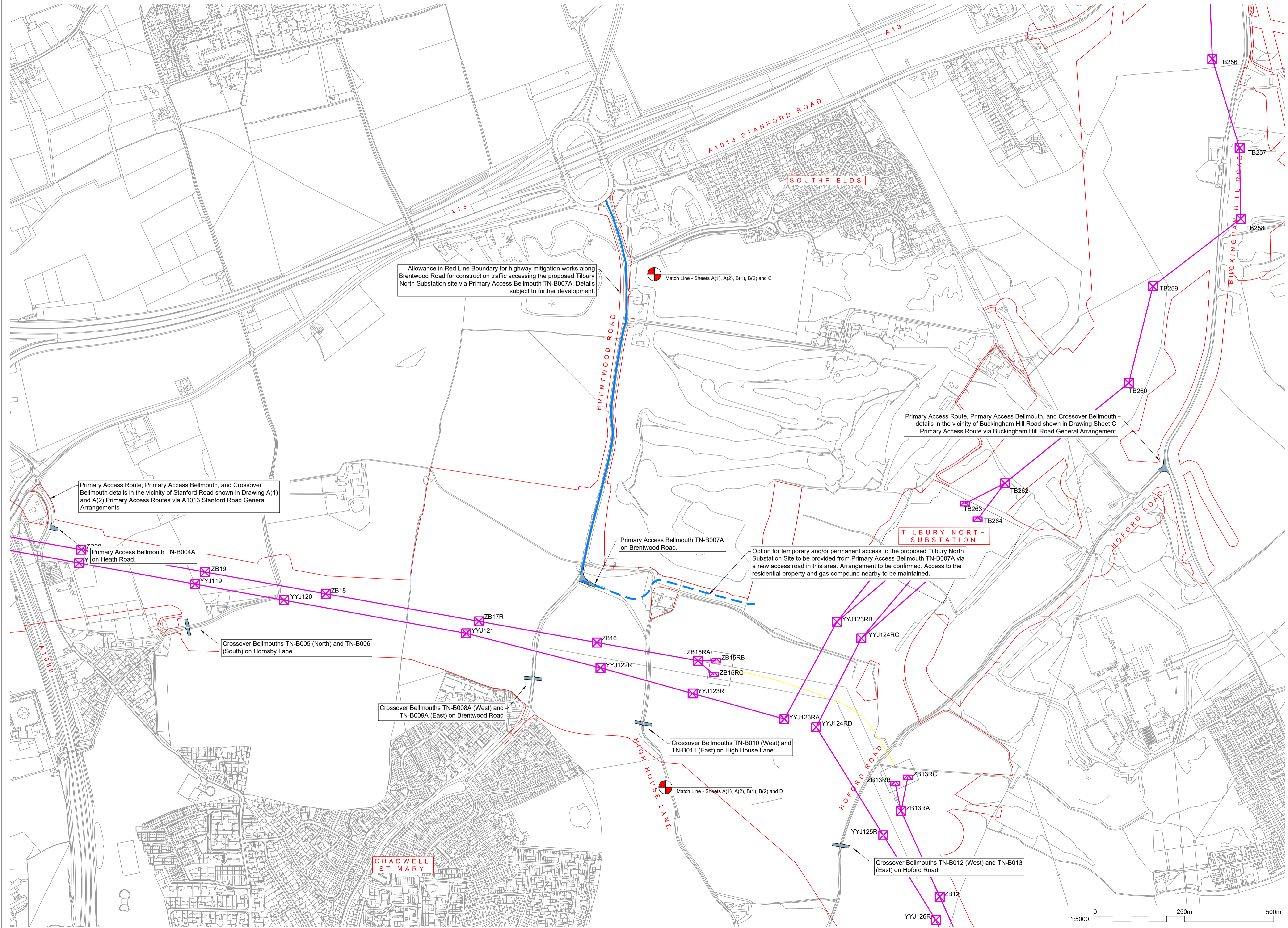
Application Number: AENC-MMAC-ENG-PLN-0001

National Grid Drawing Reference: AENC-MMAC-ENG-PLN-0001

Scale	Sheet Size	Sheet	Issue
1:5000	A1	SHEET A(2) OF D	P03



NATIONAL GRID
(NORWICH TO TILBURY)
TARGETED STATUTORY CONSULTATION FOR THURROCK 3 - PROPOSED CHANGES
TO CONNECTION AT TILBURY - CONSTRUCTION ACCESS PLAN, SECTION H
(SHEET B(1), THURROCK COUNCIL)



Allowance in Red Line Boundary for highway mitigation works along Brentwood Road for construction traffic accessing the proposed Tilbury North Substation site via Primary Access Bellmouth TN-B007A. Details subject to further development.

Match Line - Sheets A(1), A(2), B(1), B(2) and C

Primary Access Route, Primary Access Bellmouth, and Crossover Bellmouth details in the vicinity of Buckingham Hill Road shown in Drawing Sheet C
Primary Access Route via Buckingham Hill Road General Arrangement

Primary Access Route, Primary Access Bellmouth, and Crossover Bellmouth details in the vicinity of Stanford Road shown in Drawing A(1) and A(2) Primary Access Routes via A1013 Stanford Road General Arrangements

Primary Access Bellmouth TN-B007A on Brentwood Road.

Option for temporary and/or permanent access to the proposed Tilbury North Substation Site to be provided from Primary Access Bellmouth TN-B007A via a new access road in this area. Arrangement to be confirmed. Access to the residential property and gas compound nearby to be maintained.

Crossover Bellmouths TN-B005 (North) and TN-B006 (South) on Hornsby Lane

Crossover Bellmouths TN-B008A (West) and TN-B009A (East) on Brentwood Road

Crossover Bellmouths TN-B010 (West) and TN-B011 (East) on High House Lane

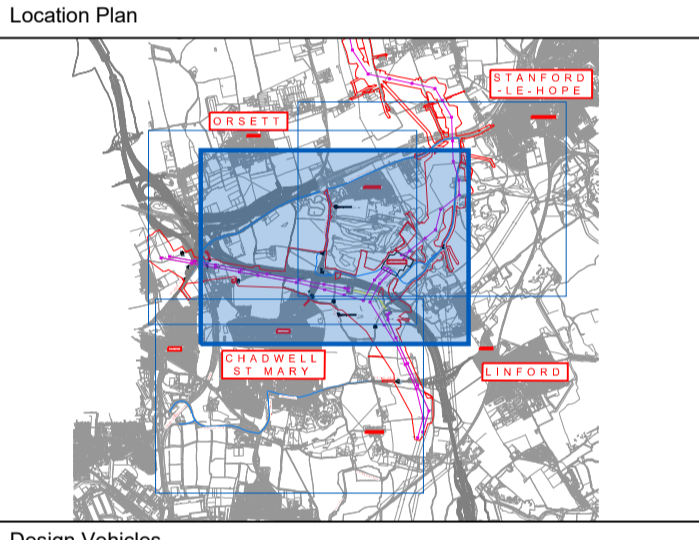
Match Line - Sheets A(1), A(2), B(1), B(2) and D

Crossover Bellmouths TN-B012 (West) and TN-B013 (East) on Hoford Road

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- Proposed Overhead Line Pylon Works
- Proposed Gantries



Design Vehicles

All-AL50 Girder Delivery Vehicle	Low Loader HGV
Overall Length 61.520m	Overall Length 16.633m
Overall Width 5.336m	Overall Width 2.500m
Overall Body Height 4.020m	Overall Body Height 3.396m
Max Track Width 3.000m	Max Track Width 2.500m
Kerb to Kerb Radius 11.550m	Kerb to Kerb Radius 6.790m

Coordinate System: British National Grid
Sheet X Centroid Coordinate: 565479 Sheet Y Centroid Coordinate: 180440

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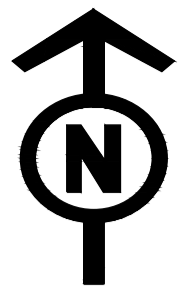
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P01	25/11/2024	First Issue	MH	DC	KS

Title: NATIONAL GRID (NORWICH TO TILBURY) TARGETED STATUTORY CONSULTATION FOR THURROCK 3 - PROPOSED CHANGES TO CONNECTION AT TILBURY - CONSTRUCTION ACCESS PLAN, SECTION H (SHEET B(1), THURROCK COUNCIL)
PRIMARY ACCESS ROUTES VIA BRENTWOOD ROAD GENERAL ARRANGEMENT WITHOUT LOWER THAMES CROSSING

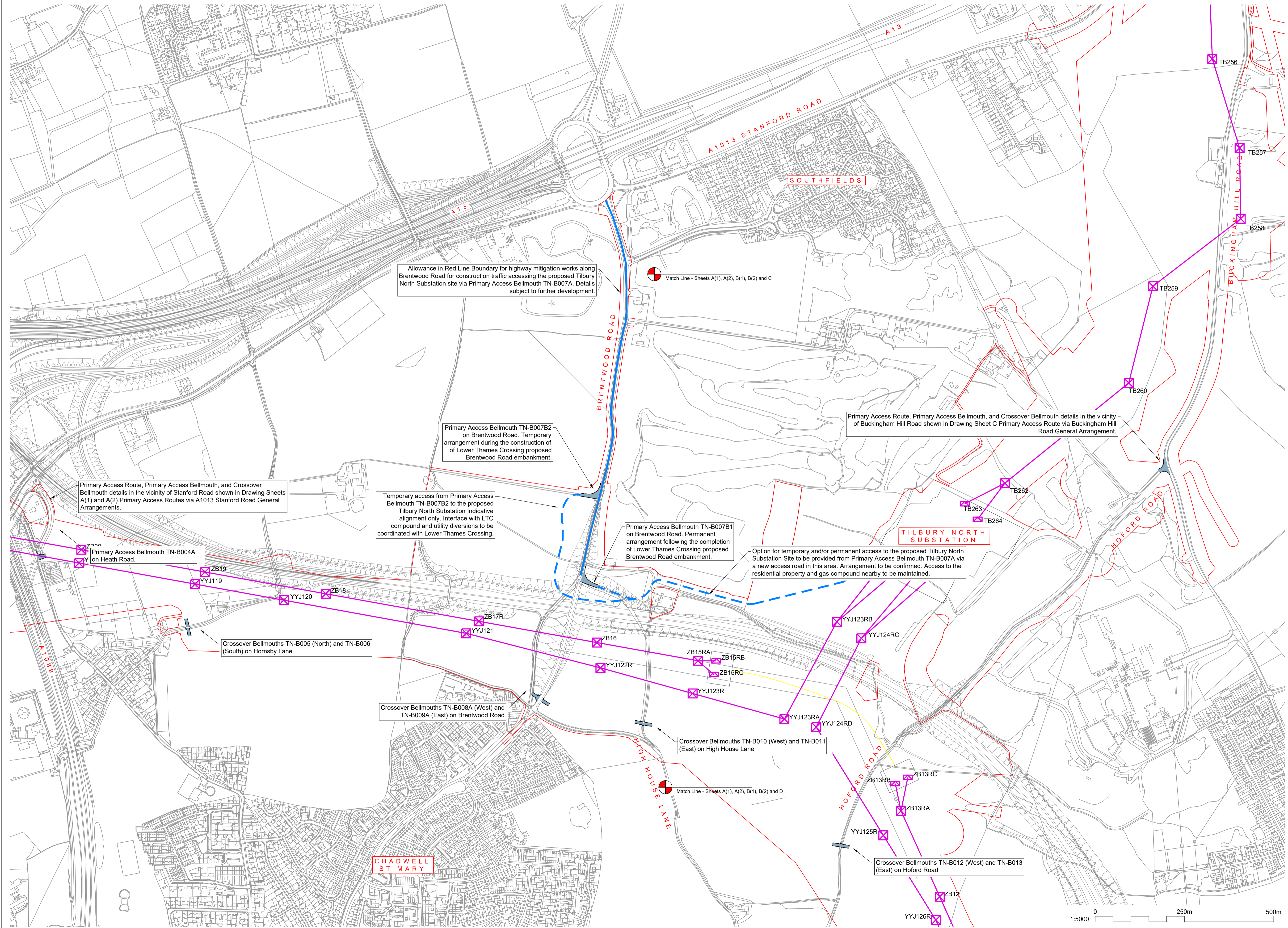
Application Number: AENC-MMAC-ENG-PLN-0001

National Grid Drawing Reference: AENC-MMAC-ENG-PLN-0001

Scale	Sheet Size	Sheet	Issue
1:5000	A1	SHEET B(1) OF D	P03



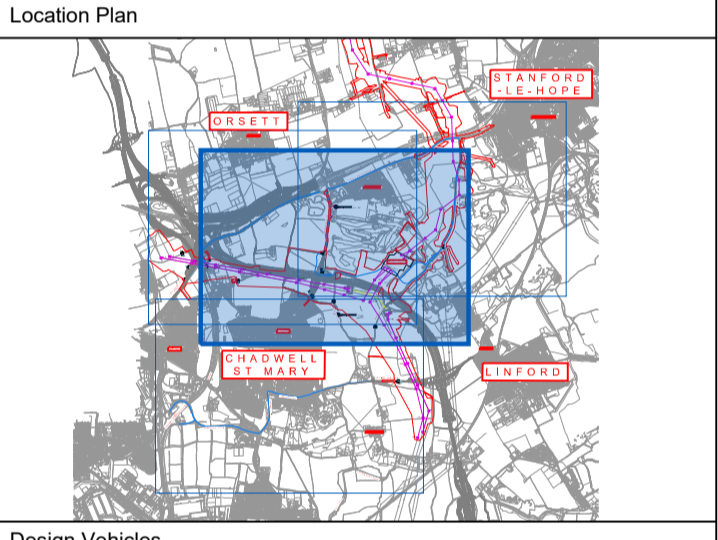
NATIONAL GRID
(NORWICH TO TILBURY)
TARGETED STATUTORY CONSULTATION FOR THURROCK 3 - PROPOSED CHANGES
TO CONNECTION AT TILBURY - CONSTRUCTION ACCESS PLAN, SECTION H
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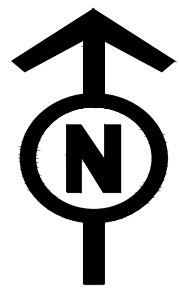
PRIMARY ACCESS ROUTES VIA BRENTWOOD ROAD GENERAL ARRANGEMENT WITH LOWER THAMES CROSSING

nationalgrid

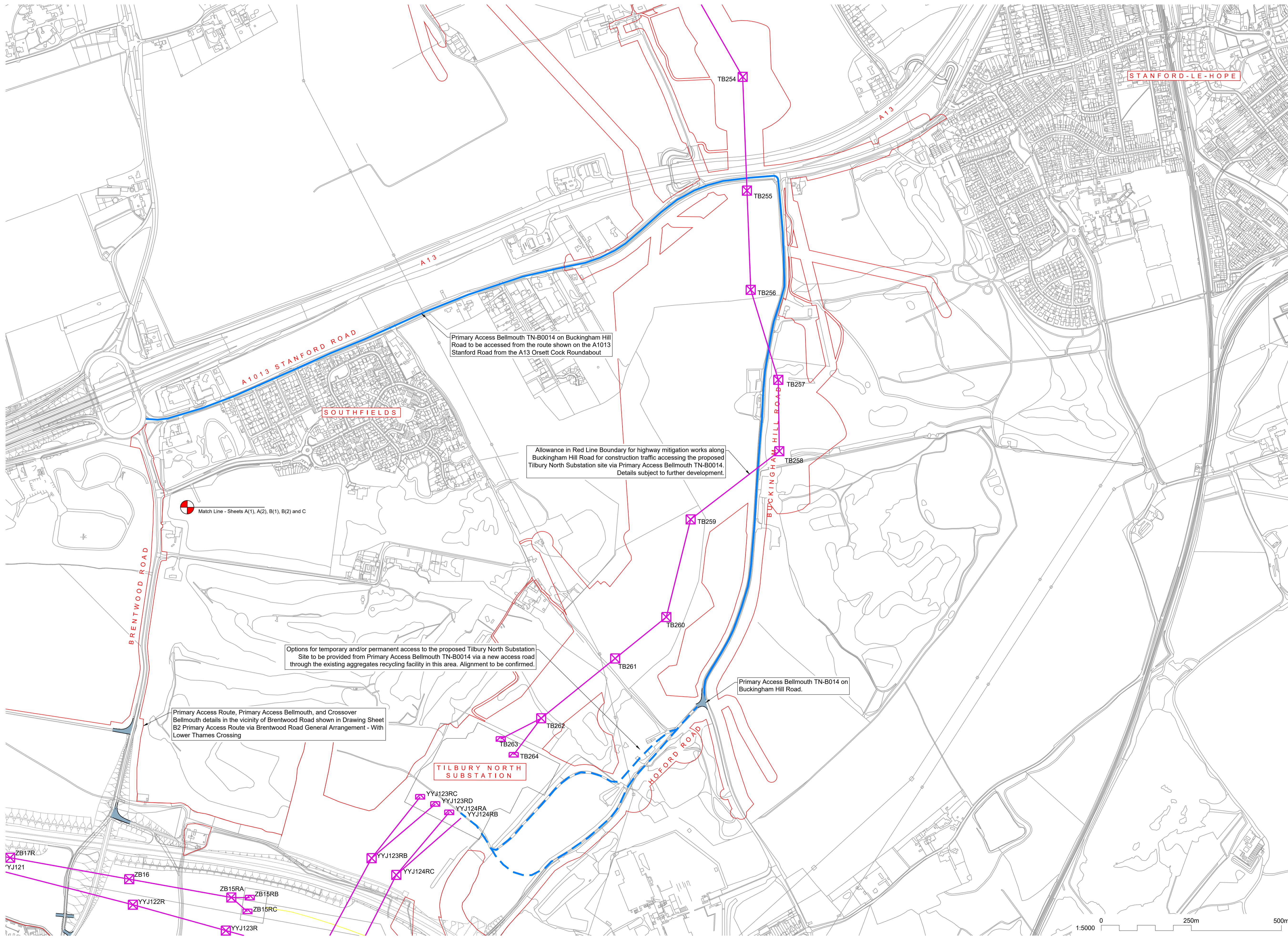
Application Number: AENC-MMAC-ENG-PLN-0001

National Grid Drawing Reference: AENC-MMAC-ENG-PLN-0001

Scale	Sheet Size	Sheet	Issue
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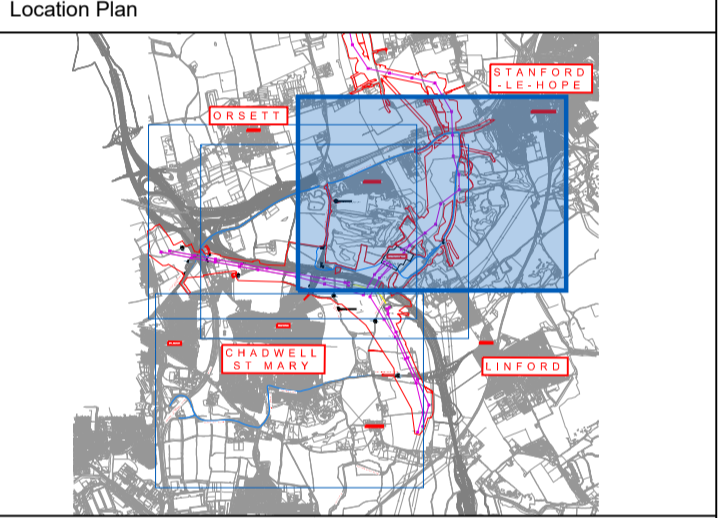
NATIONAL GRID
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TARGETED STATUTORY CONSULTATION FOR THURROCK 3 - PROPOSED CHANGES
TO CONNECTION AT TILBURY - CONSTRUCTION ACCESS PLAN, SECTION H
(SHEET C, THURROCK COUNCIL)



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 - Constraints and mitigations do not include works associated with Bellmouth junctions.
 - It is assumed that all mitigation measures are removed following the completion of works, subject to agreement with the Local Highway Authority and/or National Highways.
 - Unless stated otherwise, existing bridge and culvert structures along the primary access route are assumed to take UK standard vehicle weight limits (ALs) to be considered in the abnormal cases. This is to be confirmed with the Local Highway Authority prior to construction.
 - These plans show the draft Order Limits, due to the need for future flexibility. National Grid will be applying for Order Limits and Limits of Deviation within its Development Consent Order, within which any potential permanent infrastructure would be sited. Further information is provided in our 'Guide to Interacting With Our Consultation Plans' document.
 - Drawing must be read in colour.

Key to Symbols

- Primary Access Route
- Draft Order Limits
- Proposed Access Bellmouth
- Lower Thames Crossing DCO Submission Alignment
- Match Line
- ZB Underground Cable Centre Line
- Primary Access Route section outside of existing public highway
- Proposed Overhead Line Works
- Proposed Overhead Line Pylon Works
- Proposed Gantries



Design Vehicles

Mobile Crane Liebherr LTM 1250-8.1	Low Loader HGV
Overall Length 17.835m	Overall Length 16.633m
Overall Width 3.000m	Overall Width 2.500m
Overall Body Height 4.000m	Overall Body Height 3.396m
Track Width 3.000m	Max Track Width 2.500m
Kerb to Kerb Radius 11.624m	Kerb to Kerb Radius 6.790m

All-AL50 Girders Delivery Vehicle
Overall Length 61.520m
Overall Width 5.336m
Overall Body Height 4.020m
Max Track Width 3.000m
Kerb to Kerb Radius 11.550m

Coordinate System: British National Grid
Sheet X Centroid Coordinate: 566694 Sheet Y Centroid Coordinate: 181190

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Issue	Date	Remarks	Drawn	Checked	Approved
P02	07/03/2025	Order Limits Update	CC	MH	KS
P02	28/02/2025	Order Limits Update	MH	AR	KS
P01	25/11/2024	First Issue	MH	DC	KS

Title: NATIONAL GRID (NORWICH TO TILBURY) TARGETED STATUTORY CONSULTATION FOR THURROCK 3 - PROPOSED CHANGES TO CONNECTION AT TILBURY - CONSTRUCTION ACCESS PLAN, SECTION H (SHEET C, THURROCK COUNCIL)

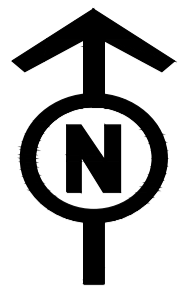
PRIMARY ACCESS ROUTES VIA BUCKINGHAM HILL ROAD GENERAL ARRANGEMENT

nationalgrid

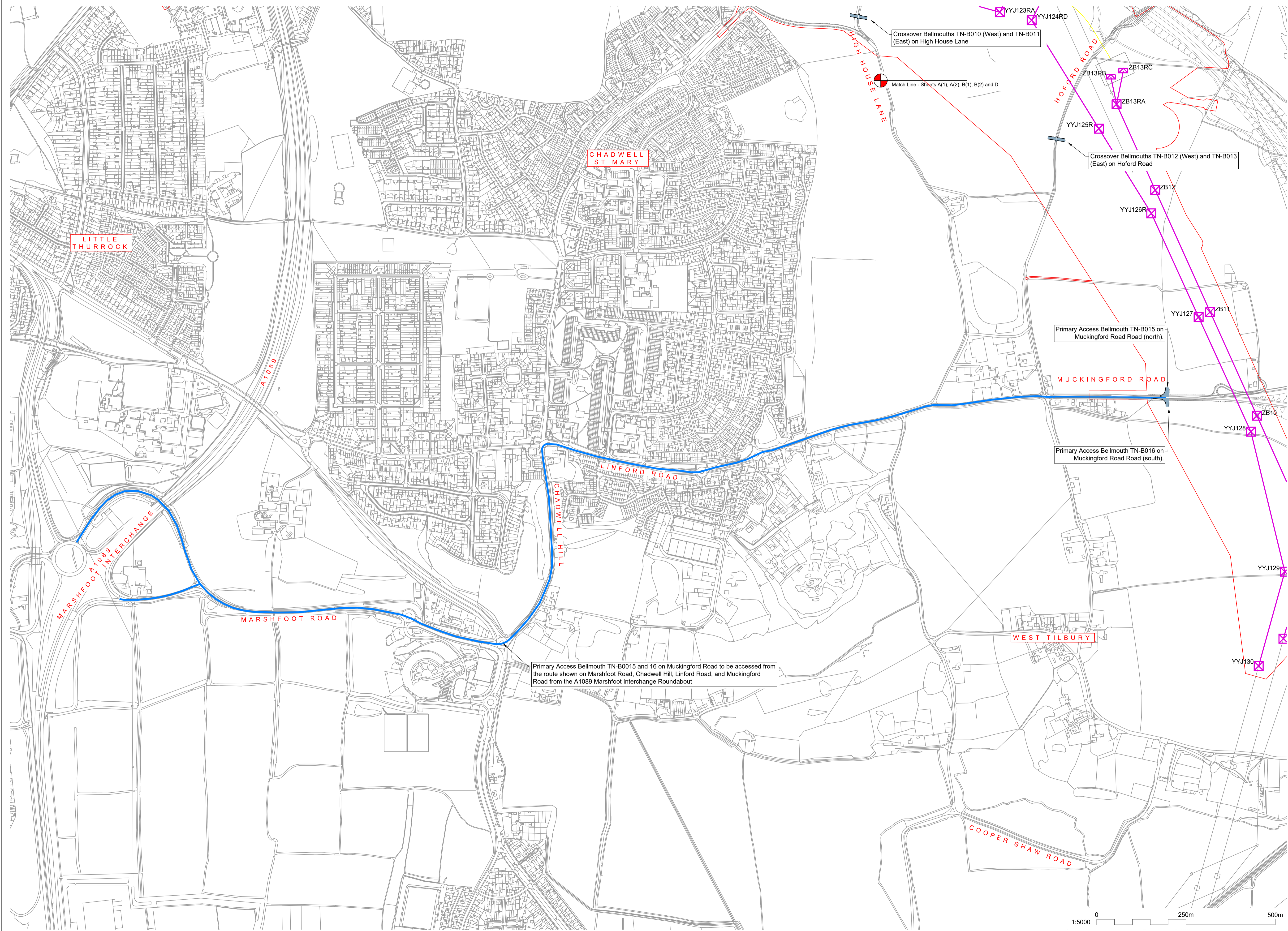
Application Number: AENC-MMAC-ENG-PLN-0001

National Grid Drawing Reference: AENC-MMAC-ENG-PLN-0001

Scale	Sheet Size	Sheet	Issue
1:5000	A1	SHEET C OF D	P03



NATIONAL GRID
(NORWICH TO TILBURY)
TARGETED STATUTORY CONSULTATION FOR THURROCK 3 - PROPOSED CHANGES
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(SHEET D, THURROCK COUNCIL)



Primary Access Bellmouth TN-B0015 and 16 on Muckingford Road to be accessed from the route shown on Marshfoot Road, Chadwell Hill, Linford Road, and Muckingford Road from the A1089 Marshfoot Interchange Roundabout

Crossover Bellmouths TN-B010 (West) and TN-B011 (East) on High House Lane

Crossover Bellmouths TN-B012 (West) and TN-B013 (East) on Hoford Road

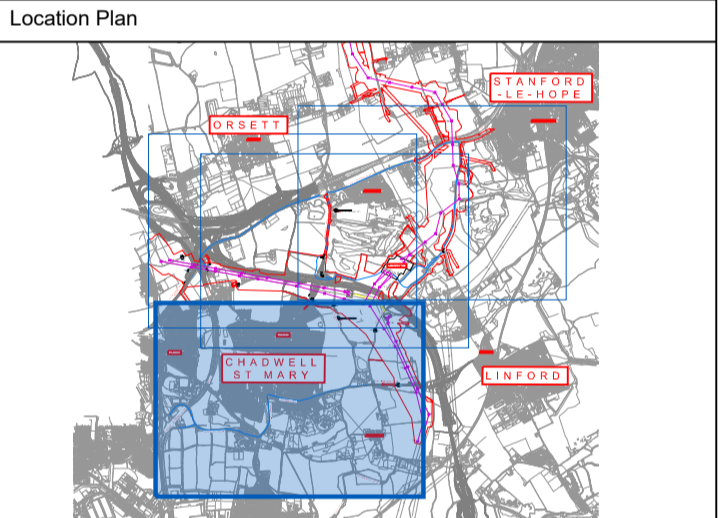
Primary Access Bellmouth TN-B015 on Muckingford Road (north)

Primary Access Bellmouth TN-B016 on Muckingford Road (south)

- Notes
- This drawing is scaled at paper size A0. Therefore any prints taken at smaller sizes will affect accuracy of the measurement units and should not be scaled against.
 - All dimensions are in metres unless otherwise shown. All levels are in metres Above Ordnance Datum (AOD). All dimensions and levels should be checked on site.
 - Any drawing errors or discrepancies should be brought to the attention of Mott MacDonald.
 - Drawing information is based on OS information. The extent of the existing public Highway has been assumed from OS mapping.
 - Extent of public highway ownership to be confirmed with Local Highway Authorities.
 - Drawing information is preliminary and subject to detailed design.
 - Details of any signage, lining, surfacing or other highways infrastructure associated with any proposed interventions are subject to agreement with the Local Highway Authority.
 - Swept Path Analysis (SPA) has been carried out for the most onerous vehicles anticipated to be required to use the proposed access route, and also a typical construction movement of two-way HGV traffic.
 - Movements of all vehicles exceeding maximum legal HGV dimensions are assumed to be in one direction at a time only. It is further assumed that any such movements shall be subject to specific movement plans, including suitable escort and temporary traffic management, where required.
 - Overhead features above the public highway have been assumed to provide at least the standard minimum vertical clearance of 16'6" (5.03m), unless indicated otherwise. Contractor to confirm all vertical clearances prior to work on site commencing. Any indicated height constraints have been considered on the basis of the most onerous vehicles anticipated to be required to use the proposed access route.
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 - Constraints and mitigations do not include works associated with Bellmouth junctions.
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- Proposed Overhead Line Pylon Works
- Proposed Gantries



Design Vehicles
Route to be Utilised by Light Vehicles Only

Coordinate System: British National Grid
Sheet X Centroid Coordinate: 564878 Sheet Y Centroid Coordinate: 178454
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Title NATIONAL GRID (NORWICH TO TILBURY)
TARGETED STATUTORY CONSULTATION FOR
THURROCK 3 - PROPOSED CHANGES TO
CONNECTION AT TILBURY - CONSTRUCTION
ACCESS PLAN, SECTION H (SHEET D,
THURROCK COUNCIL)

PRIMARY ACCESS ROUTES VIA MARSHFOOT ROAD
AND MUCKINGFORD ROAD GENERAL ARRANGEMENT

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Application Number

National Grid Drawing Reference
AENC-MMAC-ENG-PLN-0001

Scale	Sheet Size	Sheet	Status
1:5000	A1	SHEET D OF D	P03