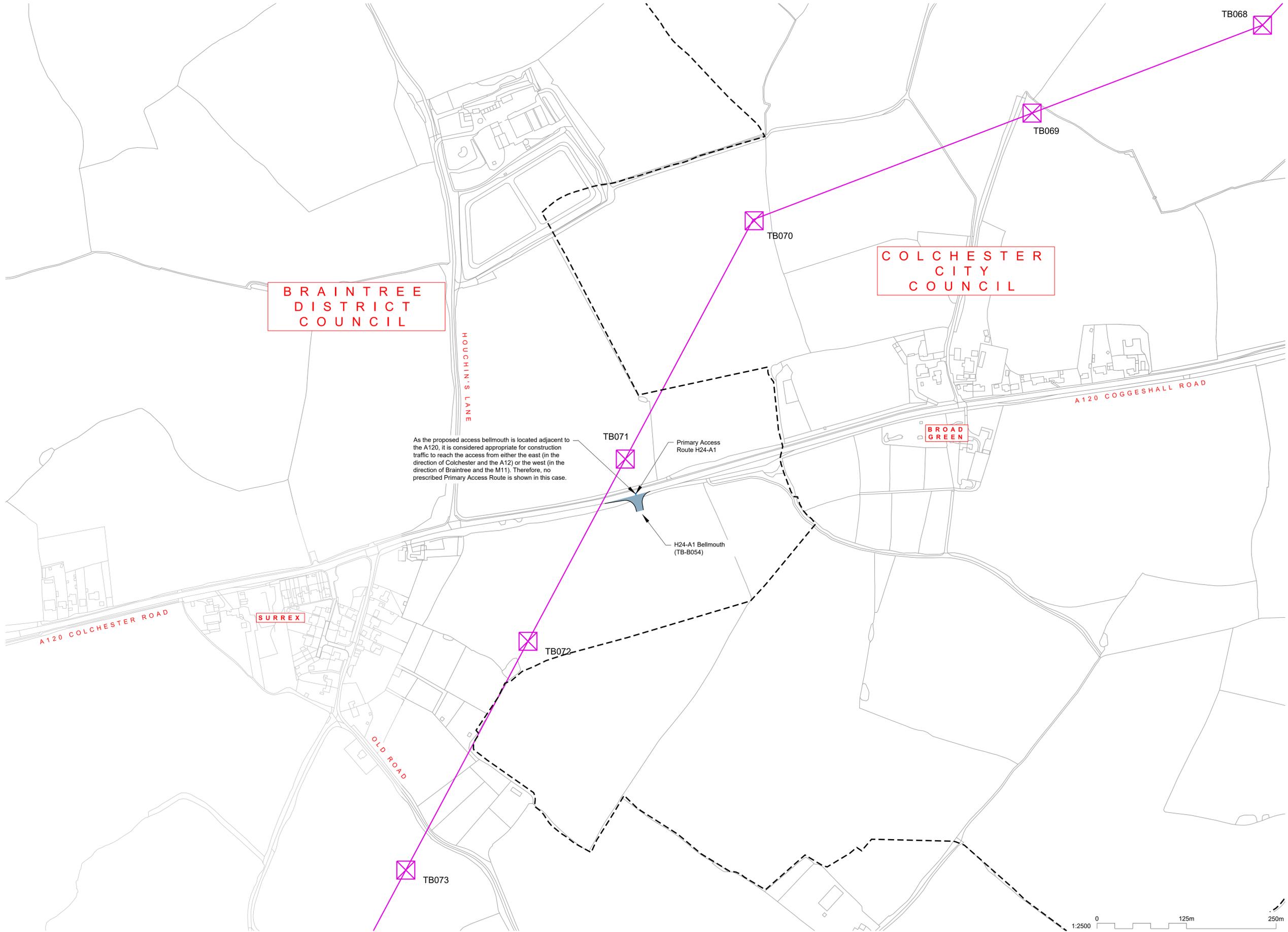




NATIONAL GRID
(NORWICH TO TILBURY)
S.42 CONSULTATION CONSTRUCTION ACCESS PLAN
SECTION E (SHEET 1 OF 6,
BRAINTREE DISTRICT COUNCIL)

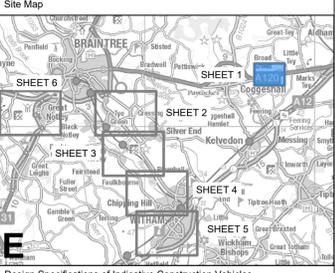


As the proposed access bellmouth is located adjacent to the A120, it is considered appropriate for construction traffic to reach the access from either the east (in the direction of Colchester and the A12) or the west (in the direction of Braintree and the M11). Therefore, no prescribed Primary Access Route is shown in this case.

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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 (ALLs to be considered in the abnormal case). This is to be confirmed with the Local Highway Authority prior to construction.
 - These plans show the indicative highway mitigation draft Order Limits associated with potential highways mitigation works. Further information is provided in our 'Guide to interacting with our consultations plans' document.
 - The proposed overhead line alignment and proposed underground cable alignment together comprise the 2024 preferred draft alignment.

Legend

- Sheet match line
- Existing land boundary
 - Local Authority Boundary
- Proposed land use
 - Indicative Highway Mitigation Draft Order Limits
- Proposed project design details
 - Existing, proposed extension or proposed new substation boundary
 - Primary Access Route (No works anticipated)
 - Proposed new private access road
 - New underground cable swathe centreline
 - New overhead line
 - New lattice pylon
- Temporary works
 - Vegetation Removal / Cutting Back / Temporary Traffic Regulation Orders
 - Modifications to existing highway features
 - Work within the existing highway boundary
 - Work outside the existing highway boundary. Based upon assumption of highway boundary extents.
 - Site Access Point (Bellmouth)



Design Specifications of Indicative Construction Vehicles

Vehicle	Overall Length	Overall Width	Overall Body Height	Track Width	Kerb to Kerb Radius
Mobile Crane Liebherr LTM 1250-6.1	17.835m	3.000m	4.000m	3.000m	11.624m
Low Loader HGV	16.630m	2.500m	3.396m	2.500m	6.790m

Drawing References (Section E)

- For information regarding the proposed project design details please refer to the 'Consultation Plans'

Coordinate System: British National Grid
 Sheet X Centroid Coordinate: 587341 Sheet Y Centroid Coordinate: 223067
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 OFFICE FOR NATIONAL STATISTICS LICENSED UNDER THE OPEN GOVERNMENT LICENCE V.3.0

Issue	Date	FOR STATUTORY CONSULTATION	Remarks	Drawn	Checked	AMR
A	April 2024			AJM	WES	AMR

Title NATIONAL GRID (NORWICH TO TILBURY)
S.42 CONSULTATION CONSTRUCTION ACCESS PLAN
SECTION E (SHEET 1 OF 6,
BRAINTREE DISTRICT COUNCIL)
PRIMARY ACCESS ROUTE H24-A1
GENERAL ARRANGEMENT

nationalgrid

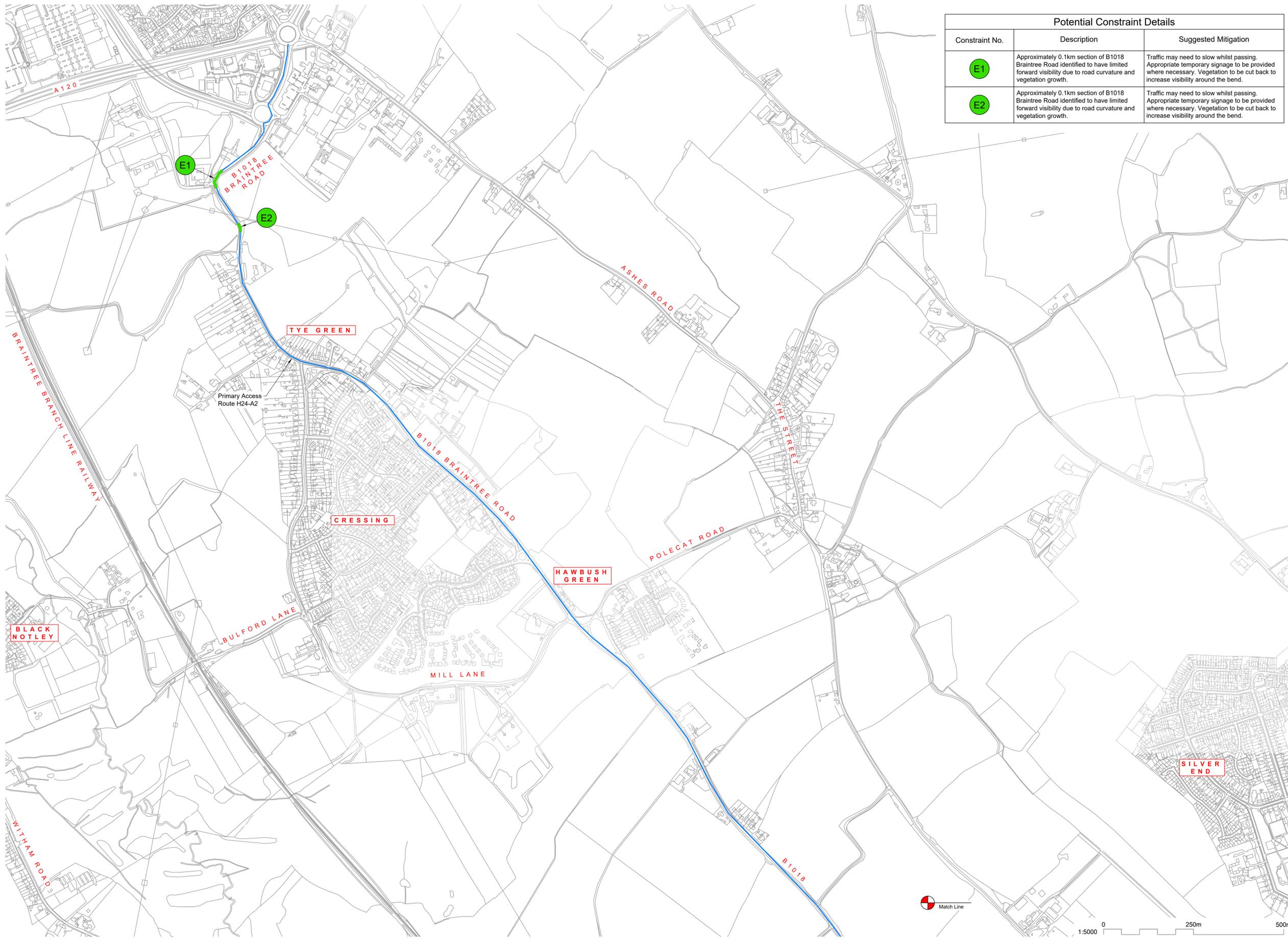
Application Number

National Grid Drawing Reference
AENC-NG-ENG-PLN-0026

Scale	Sheet Size	Sheet	Issue
1:2500	A1	SHEET 1 OF 6	A



NATIONAL GRID
(NORWICH TO TILBURY)
S.42 CONSULTATION CONSTRUCTION ACCESS PLAN
SECTION E (SHEET 2 OF 6,
BRAINTREE DISTRICT COUNCIL)

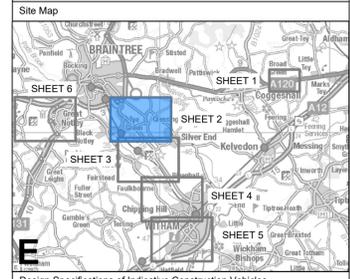


Potential Constraint Details		
Constraint No.	Description	Suggested Mitigation
E1	Approximately 0.1km section of B1018 Braintree Road identified to have limited forward visibility due to road curvature and vegetation growth.	Traffic may need to slow whilst passing. Appropriate temporary signage to be provided where necessary. Vegetation to be cut back to increase visibility around the bend.
E2	Approximately 0.1km section of B1018 Braintree Road identified to have limited forward visibility due to road curvature and vegetation growth.	Traffic may need to slow whilst passing. Appropriate temporary signage to be provided where necessary. Vegetation to be cut back to increase visibility around the bend.

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 - The proposed overhead line alignment and proposed underground cable alignment together comprise the 2024 preferred draft alignment.

Legend

- Match Line
- Sheet match line
- Existing land boundary
- Local Authority Boundary
- Proposed land use
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- Proposed project design details
- Existing, proposed extension or proposed new substation boundary
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- Proposed new private access road
- New underground cable swathe centreline
- New overhead line
- New lattice pylon
- Temporary works
- Vegetation Removal / Cutting Back / Temporary Traffic Regulation Orders
- Modifications to existing highway features
- Work within the existing highway boundary
- Work outside the existing highway boundary. Based upon assumption of highway boundary extents.
- Site Access Point (Bellmouth)



Design Specifications of Indicative Construction Vehicles

Vehicle Type	Overall Length	Overall Width	Overall Height	Max Track Width	Kerb to Kerb Radius
Mobile Crane Liebherr LTM 1250-6.1	17.835m	3.000m	4.000m	3.000m	11.624m
Low Loader HGV	16.633m	2.500m	3.396m	2.500m	6.790m

Coordinate System: British National Grid
Sheet X Centroid Coordinate: 578881 Sheet Y Centroid Coordinate: 220783

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Drawing References (Section E)

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Issue	Date	FOR STATUTORY CONSULTATION	Remarks	AJM	WES	AMR
A	April 2024					

Title: NATIONAL GRID (NORWICH TO TILBURY)
S.42 CONSULTATION CONSTRUCTION ACCESS PLAN
SECTION E (SHEET 2 OF 6,
BRAINTREE DISTRICT COUNCIL)

PRIMARY ACCESS ROUTE H24-A2
GENERAL ARRANGEMENT

Application Number

National Grid Drawing Reference

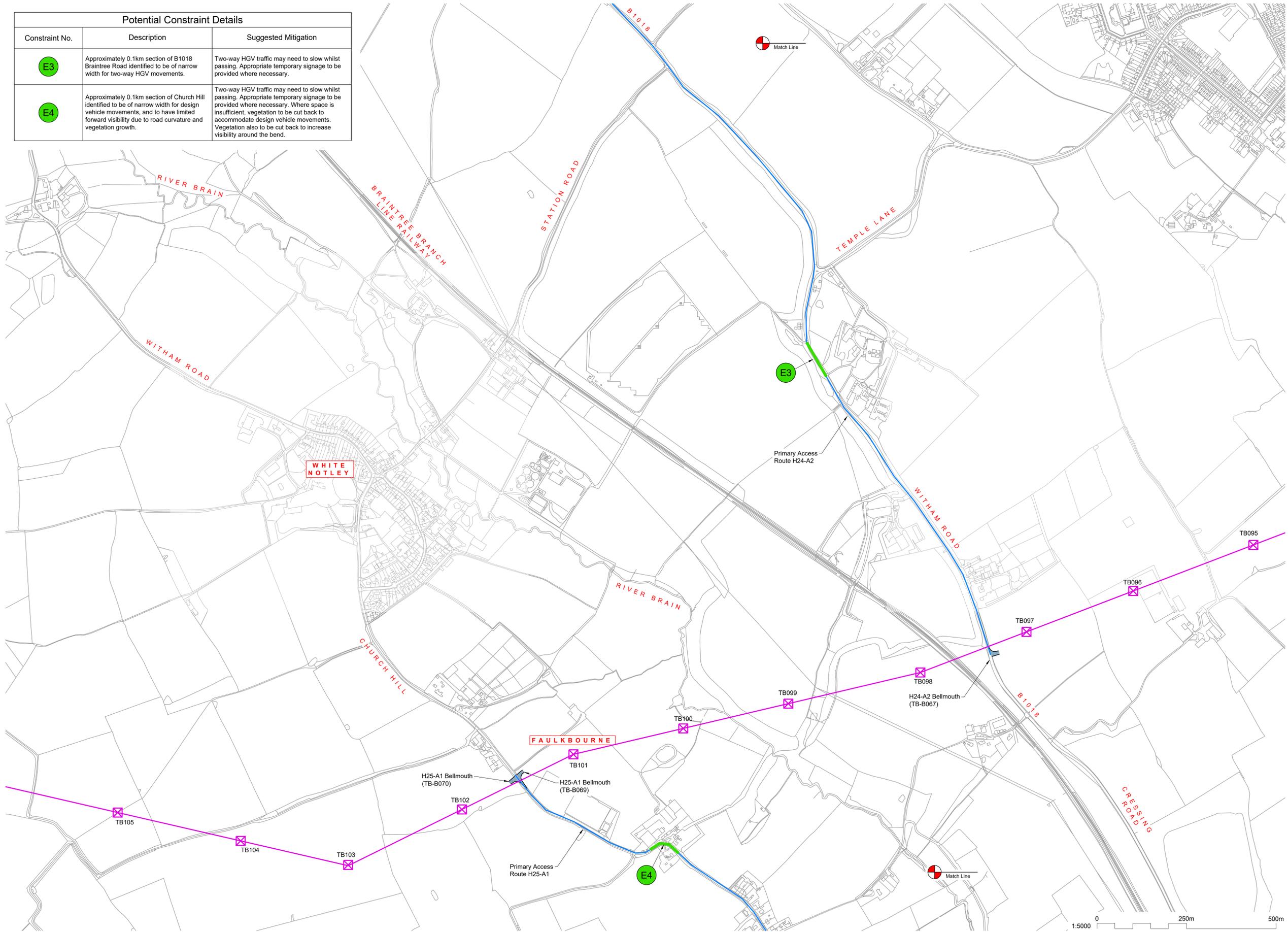
Scale	Sheet Size	Sheet	Issue
1:5000	A1	SHEET 2 OF 6	A

AENC-NG-ENG-PLN-0026



NATIONAL GRID
(NORWICH TO TILBURY)
S.42 CONSULTATION CONSTRUCTION ACCESS PLAN
SECTION E (SHEET 3 OF 6,
BRAINTREE DISTRICT COUNCIL)

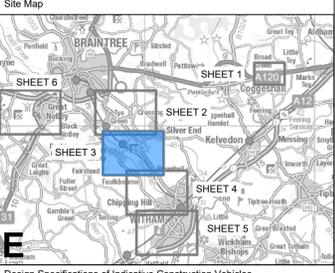
Potential Constraint Details		
Constraint No.	Description	Suggested Mitigation
E3	Approximately 0.1km section of B1018 Braintree Road identified to be of narrow width for two-way HGV movements.	Two-way HGV traffic may need to slow whilst passing. Appropriate temporary signage to be provided where necessary.
E4	Approximately 0.1km section of Church Hill identified to be of narrow width for design vehicle movements, and to have limited forward visibility due to road curvature and vegetation growth.	Two-way HGV traffic may need to slow whilst passing. Appropriate temporary signage to be provided where necessary. Where space is insufficient, vegetation to be cut back to accommodate design vehicle movements. Vegetation also to be cut back to increase visibility around the bend.



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Legend

	Sheet match line
	Local Authority Boundary
	Indicative Highway Mitigation Draft Order Limits
	Proposed project design details
	Existing, proposed extension or proposed new substation boundary
	Primary Access Route (No works anticipated)
	Proposed new private access road
	New underground cable swathe centreline
	New overhead line
	New lattice pylon
	Temporary works
	Vegetation Removal / Cutting Back / Temporary Traffic Regulation Orders
	Modifications to existing highway features
	Work within the existing highway boundary
	Work outside the existing highway boundary
	Site Access Point (Bellmouth)



Design Specifications of Indicative Construction Vehicles

Vehicle Type	Overall Length	Overall Width	Overall Body Height	Max Track Width	Kerb to Kerb Radius
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Low Loader HGV	16.633m	2.500m	3.396m	2.500m	6.790m

Drawing References (Section E)

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Coordinate System: British National Grid
 Sheet X Centroid Coordinate: 579327 Sheet Y Centroid Coordinate: 218403
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 OFFICE FOR NATIONAL STATISTICS LICENSED UNDER THE OPEN GOVERNMENT LICENCE V.3.0

Issue	Date	Remarks	Drawn	Checked	Approved
A	April 2024	FOR STATUTORY CONSULTATION	AJM	WES	AMR

Title NATIONAL GRID (NORWICH TO TILBURY)
 S.42 CONSULTATION CONSTRUCTION
 ACCESS PLAN
 SECTION E (SHEET 3 OF 6,
 BRAINTREE DISTRICT COUNCIL)
 PRIMARY ACCESS ROUTES H24-A2 AND H25-A1
 GENERAL ARRANGEMENT

nationalgrid

Application Number

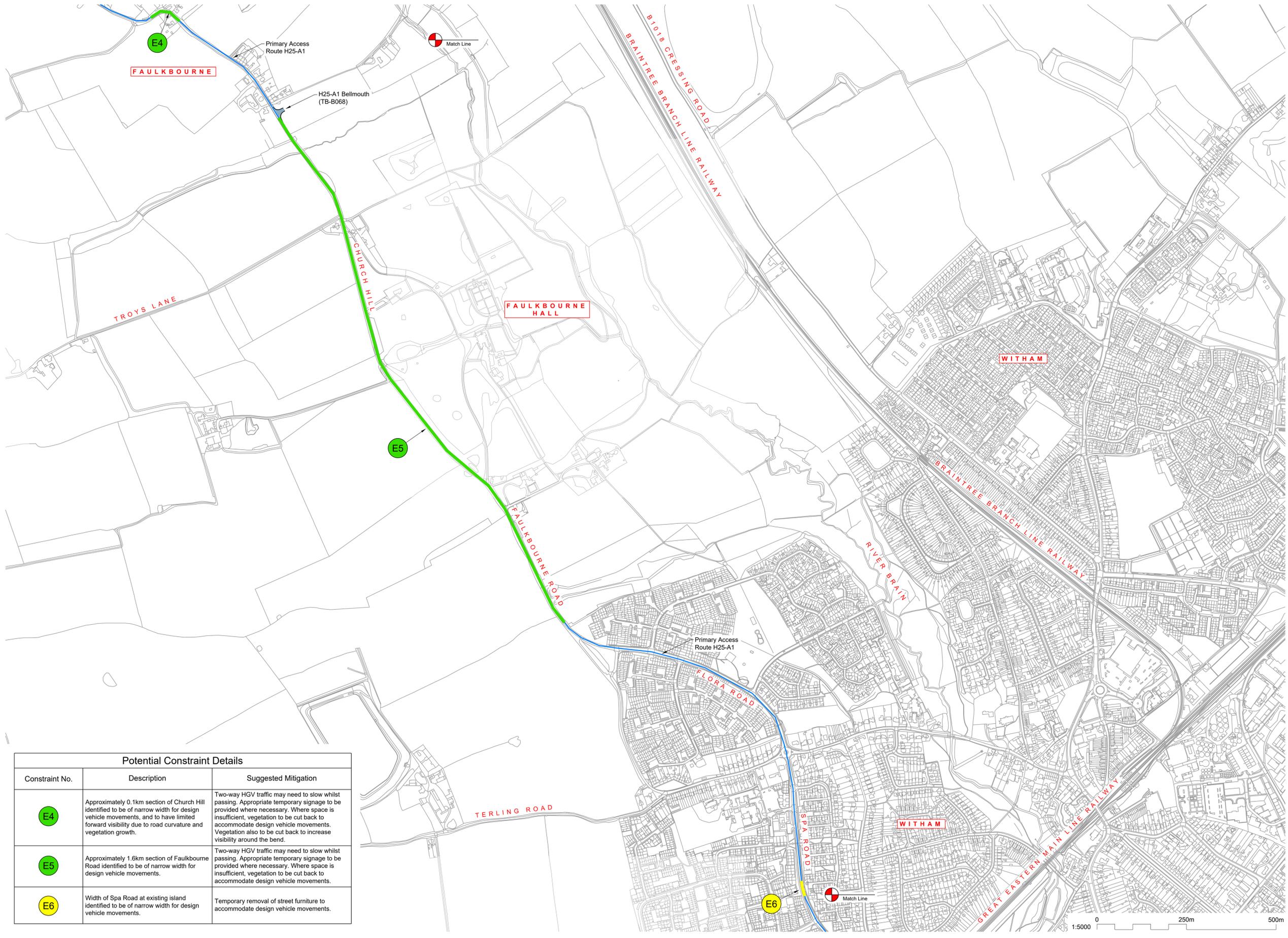
National Grid Drawing Reference

Scale	Sheet Size	Sheet	Issue
1:5000	A1	SHEET 3 OF 6	A

AENC-NG-ENG-PLN-0026

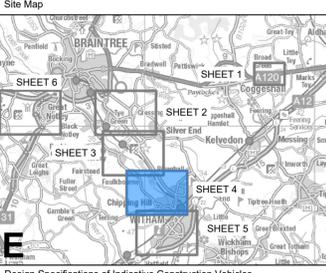


**NATIONAL GRID
 (NORWICH TO TILBURY)
 S.42 CONSULTATION CONSTRUCTION ACCESS PLAN
 SECTION E (SHEET 4 OF 6,
 BRAINTREE DISTRICT COUNCIL)**



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- Legend**
- Match Line
 - Sheet match line
 - Local Authority Boundary
 - Existing land boundary
 - Proposed land use
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 - Proposed project design details
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 - New overhead line
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 - Temporary works
 - Vegetation Removal / Cutting Back / Temporary Traffic Regulation Orders
 - Modifications to existing highway features
 - Work within the existing highway boundary
 - Work outside the existing highway boundary. Based upon assumption of highway boundary extents.
 - Site Access Point (Bellmouth)



Design Specifications of Indicative Construction Vehicles

Vehicle Type	Overall Length	Overall Width	Overall Body Height	Max. Track Width	Kerb to Kerb Radius
Mobile Crane Liebherr LTM 1250-6.1	17.835m	3.000m	4.000m	3.000m	11.624m
Low Loader HGV	16.633m	2.500m	3.396m	2.500m	6.790m

Potential Constraint Details

Constraint No.	Description	Suggested Mitigation
E4	Approximately 0.1km section of Church Hill identified to be of narrow width for design vehicle movements, and to have limited forward visibility due to road curvature and vegetation growth.	Two-way HGV traffic may need to slow whilst passing. Appropriate temporary signage to be provided where necessary. Where space is insufficient, vegetation to be cut back to accommodate design vehicle movements. Vegetation also to be cut back to increase visibility around the bend.
E5	Approximately 1.6km section of Faulkbourne Road identified to be of narrow width for design vehicle movements.	Two-way HGV traffic may need to slow whilst passing. Appropriate temporary signage to be provided where necessary. Where space is insufficient, vegetation to be cut back to accommodate design vehicle movements.
E6	Width of Spa Road at existing island identified to be of narrow width for design vehicle movements.	Temporary removal of street furniture to accommodate design vehicle movements.

Drawing References (Section E)

- For information regarding the proposed project design details please refer to the 'Consultation Plans'

Coordinate System: British National Grid
 Sheet X Centroid Coordinate: 580721 Sheet Y Centroid Coordinate: 216062
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Issue	Date	Remarks	Drawn	Checked	Approved
A	April 2024	FOR STATUTORY CONSULTATION	AJM	WES	AMR

Title NATIONAL GRID (NORWICH TO TILBURY)
 S.42 CONSULTATION CONSTRUCTION
 ACCESS PLAN
 SECTION E (SHEET 4 OF 6,
 BRAINTREE DISTRICT COUNCIL)
 PRIMARY ACCESS ROUTE H25-A1
 GENERAL ARRANGEMENT

nationalgrid

Application Number: AENC-NG-ENG-PLN-0026

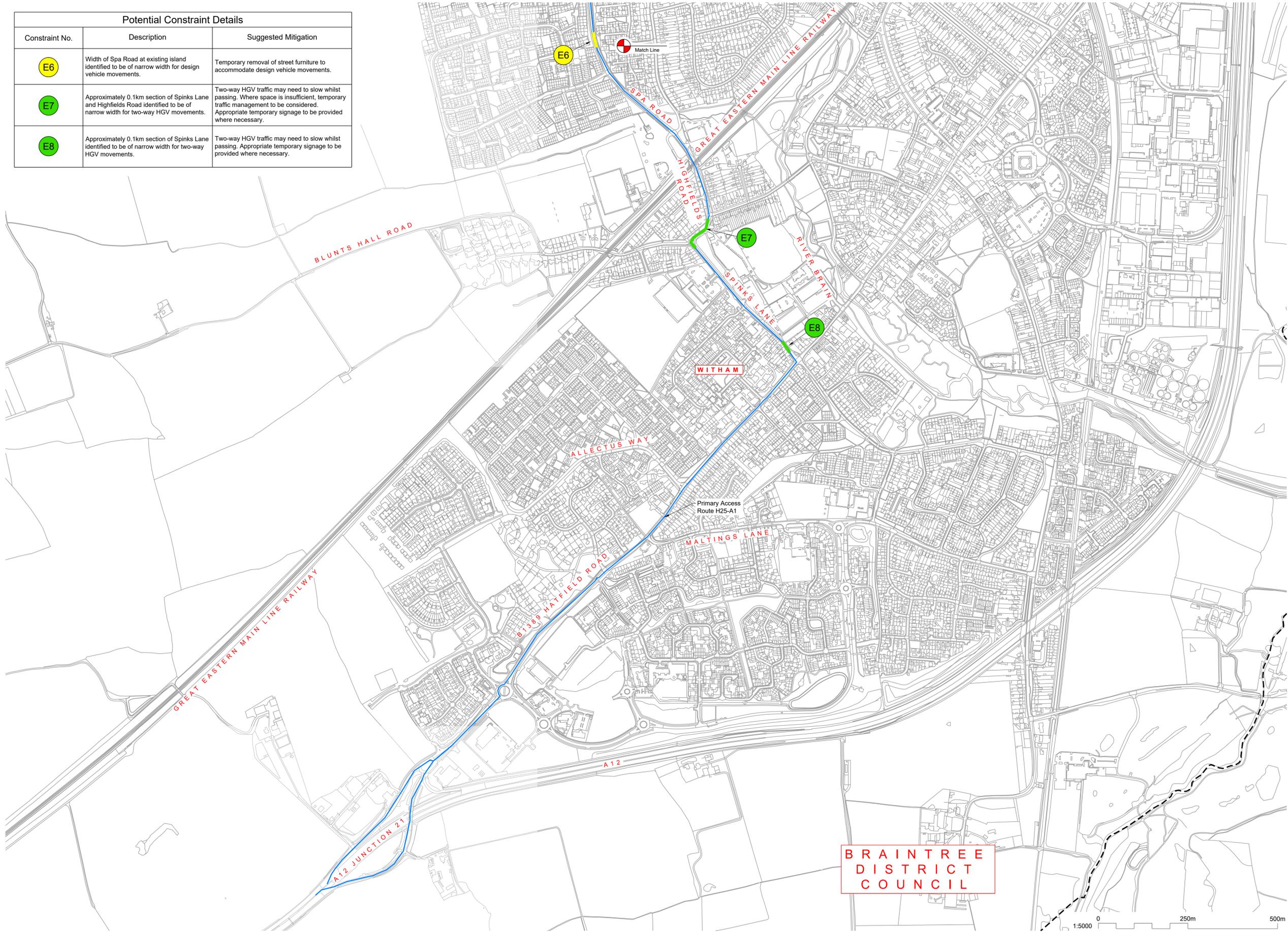
National Grid Drawing Reference: SHEET 4 OF 6

Scale: 1:5000 Sheet Size: A1 Sheet: SHEET 4 OF 6 Issue: A



NATIONAL GRID
(NORWICH TO TILBURY)
S.42 CONSULTATION CONSTRUCTION ACCESS PLAN
SECTION E (SHEET 5 OF 6,
BRAINTREE DISTRICT COUNCIL)

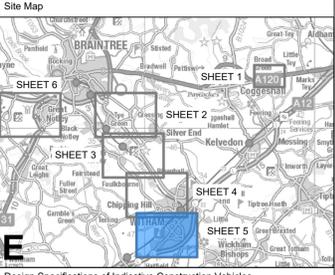
Potential Constraint Details		
Constraint No.	Description	Suggested Mitigation
E6	Width of Spa Road at existing island identified to be of narrow width for design vehicle movements.	Temporary removal of street furniture to accommodate design vehicle movements.
E7	Approximately 0.1km section of Spinks Lane and Highfields Road identified to be of narrow width for two-way HGV movements.	Two-way HGV traffic may need to slow whilst passing. Where space is insufficient, temporary traffic management to be considered. Appropriate temporary signage to be provided where necessary.
E8	Approximately 0.1km section of Spinks Lane identified to be of narrow width for two-way HGV movements.	Two-way HGV traffic may need to slow whilst passing. Appropriate temporary signage to be provided where necessary.



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 - Swamp Path Analysis (SPA) has been carried out for the largest vehicles anticipated to be required to use the proposed access route, and also a typical construction movement of two-way HGV traffic.
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- Sheet match line
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- Local Authority Boundary
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- Proposed project design details
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- New underground cable swathe centreline
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- Modifications to existing highway features
- Work within the existing highway boundary
- Work outside the existing highway boundary. Based upon assumption of highway boundary extents.
- Site Access Point (Bellmouth)



Design Specifications of Indicative Construction Vehicles

Vehicle Type	Overall Length	Overall Width	Overall Body Height	Max Track Width	Kerb to Kerb Radius
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Low Loader HGV	16.633m	2.500m	3.396m	2.500m	6.790m

Drawing References (Section E)

- For information regarding the proposed project design details please refer to the 'Consultation Plans'

Coordinate System: British National Grid
Sheet X Centroid Coordinate: 581303 Sheet Y Centroid Coordinate: 213722

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OFFICE FOR NATIONAL STATISTICS LICENSED UNDER THE OPEN GOVERNMENT LICENCE V.3.0

Issue	Date	FOR STATUTORY CONSULTATION	Remarks	Drawn	Checked	Approved
A	April 2024			AJM	WES	AMR

Title NATIONAL GRID (NORWICH TO TILBURY)
S.42 CONSULTATION CONSTRUCTION
ACCESS PLAN
SECTION E (SHEET 5 OF 6,
BRAINTREE DISTRICT COUNCIL)
PRIMARY ACCESS ROUTE H25-A1
GENERAL ARRANGEMENT



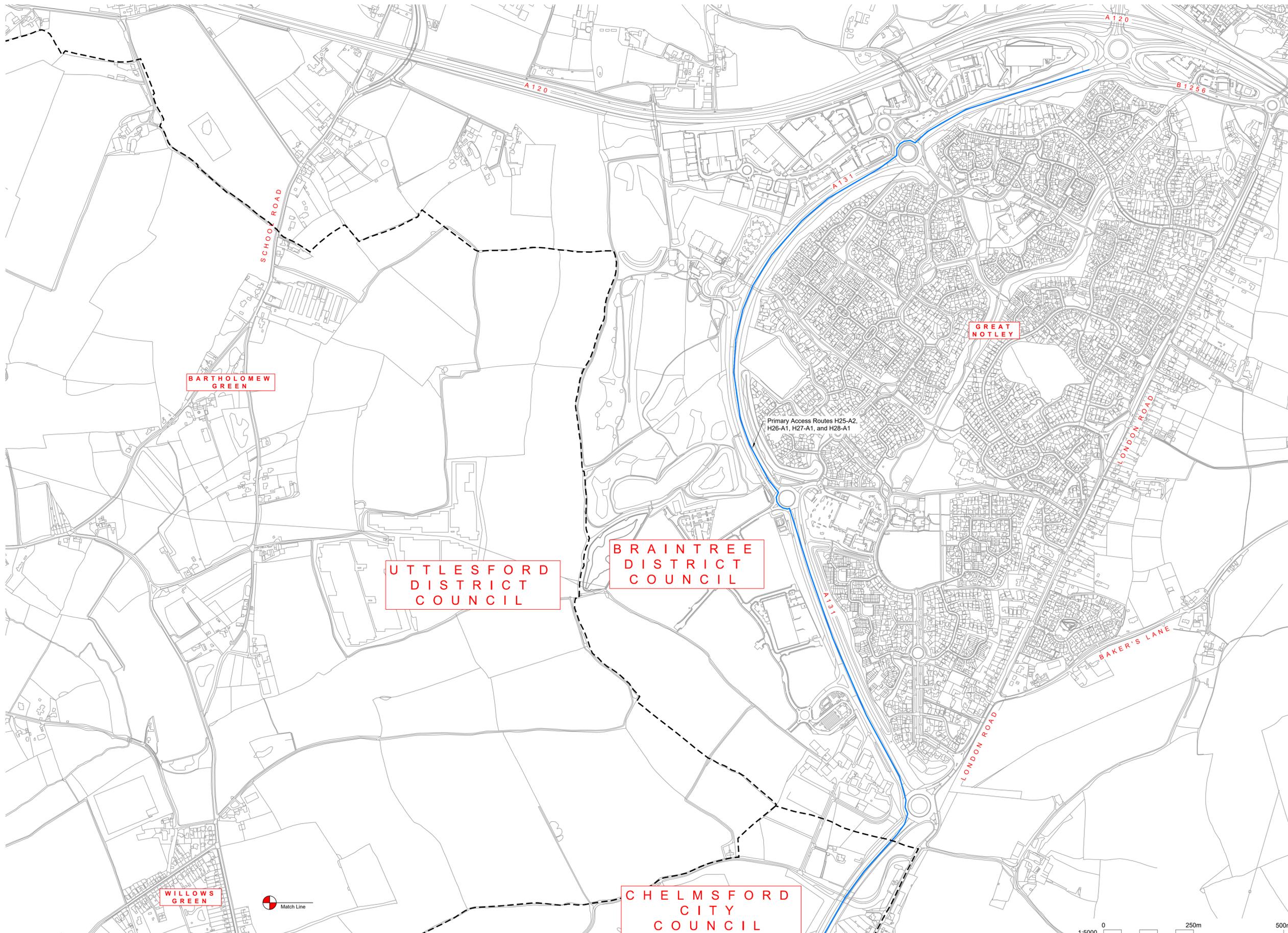
Application Number
National Grid Drawing Reference
AENC-NG-ENG-PLN-0026

Scale	Sheet Size	Sheet	Issue
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BRAINTREE
DISTRICT
COUNCIL



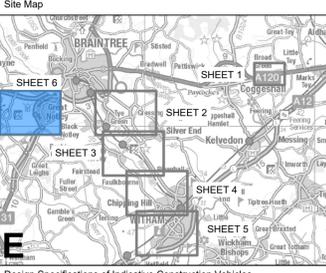
NATIONAL GRID
(NORWICH TO TILBURY)
S.42 CONSULTATION CONSTRUCTION ACCESS PLAN
SECTION E (SHEET 6 OF 6,
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 - All dimensions are in metres unless otherwise shown. All levels are in metres Above Ordnance Datum (AOD). All dimensions and levels should be checked on site.
 - Any drawing errors or discrepancies should be brought to the attention of Matt 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.
 - Sweep Path Analysis (SPA) has been carried out for the largest 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.
 - Locations of overhead line infrastructure crossing the Primary Access Routes, may be impacted by the proposed construction vehicles. Vertical clearance and associated impact assessment to be confirmed with statutory undertaker. Refer to document titled Route RAG Assessment.
 - It is assumed that vegetation growth identified as within or overhanging the carriageway will be removed prior to construction activities commencing, and maintained in a suitable condition for the duration of access route use. Therefore, any such vegetation is not considered to impose additional constraints.
 - 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 (ALLs to be considered in the abnormal case). This is to be confirmed with the Local Highway Authority prior to construction.
 - These plans show the indicative highway mitigation draft Order Limits associated with potential highways mitigation works. Further information is provided in our 'Guide to Interacting with our consultations plans' document.
 - The proposed overhead line alignment and proposed underground cable alignment together comprise the 2024 preferred draft alignment.

Legend

- Sheet match line
- Existing land boundary
- Local Authority Boundary
- Proposed land use
- Indicative Highway Mitigation Draft Order Limits
- Proposed project design details
- Existing, proposed extension or proposed new substation boundary
- Primary Access Route (No works anticipated)
- Proposed new private access road
- New underground cable swathe centreline
- New overhead line
- New lattice pylon
- Temporary works
- Vegetation Removal / Cutting Back / Temporary Traffic Regulation Orders
- Modifications to existing highway features
- Work within the existing highway boundary
- Work outside the existing highway boundary. Based upon assumption of highway boundary extents.
- Site Access Point (Bellmouth)



Design Specifications of Indicative Construction Vehicles

Mobile Crane Liebherr LTM 1250-6.1	Low Loader (Cable Drum Delivery)
Overall Length 17.835m	Overall Length 25.440m
Overall Width 3.000m	Overall Width 4.500m
Overall Body Height 4.000m	Overall Body Height 5.000m
Track Width 3.000m	Max Track Width 2.500m
Kerb to Kerb Radius 11.624m	Kerb to Kerb Radius 14.500m
Low Loader HGV	
Overall Length 16.633m	
Overall Width 2.500m	
Overall Body Height 3.396m	
Max Track Width 2.500m	
Kerb to Kerb Radius 6.750m	

Drawing References (Section E)

- For information regarding the proposed project design details please refer to the 'Consultation Plans'

Coordinate System: British National Grid
Sheet X Centroid Coordinate: 573260 Sheet Y Centroid Coordinate: 220800

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A	April 2024	FOR STATUTORY CONSULTATION	AJM	WES	AMR
Issue	Date	Remarks	Drawn	Checked	Approved

Title NATIONAL GRID (NORWICH TO TILBURY)
S.42 CONSULTATION CONSTRUCTION ACCESS PLAN
SECTION E (SHEET 6 OF 6,
BRAINTREE DISTRICT COUNCIL)
PRIMARY ACCESS ROUTES H25-A2, H26-A1,
H27-A1 AND H28-A1
GENERAL ARRANGEMENT



Application Number

National Grid Drawing Reference
AENC-NG-ENG-PLN-0026

Scale	Sheet Size	Sheet	Issue
1:5000	A1	SHEET 6 OF 6	A