

# Norwich to Tilbury

## Volume 7: Other Documents

**Document: 7.3 Outline Construction Traffic Management Plan  
Appendix C - Indicative Highway Mitigation Plans - Section C -  
Tracked Changes Version of Deadline 4 Submission**

**Final Issue B**

**June 2026**

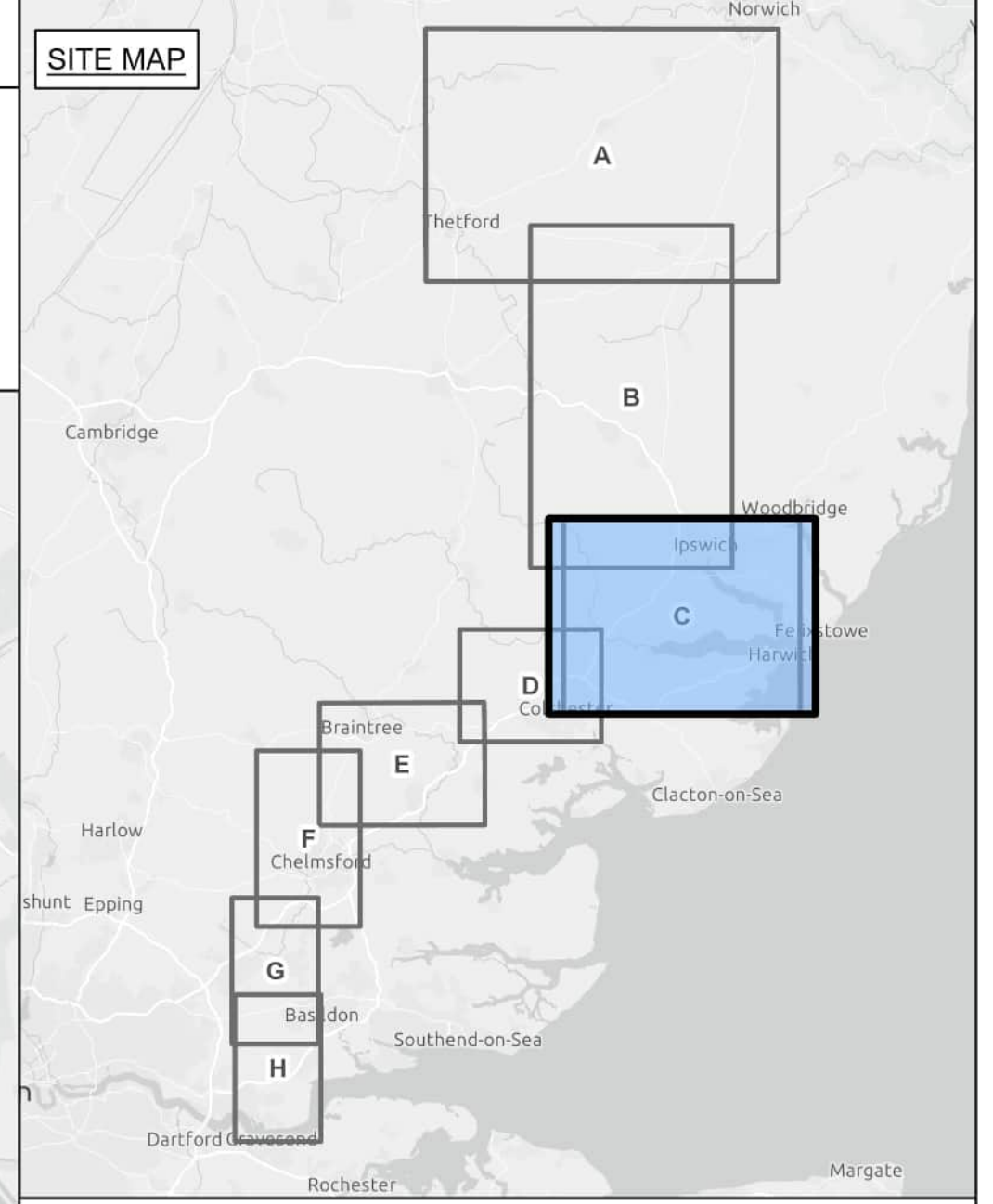
**Planning Inspectorate Reference: EN020027**

Infrastructure Planning (Applications: Prescribed Forms and Procedure)  
Regulations 2009 Regulation 5(2)(q)



THE NATIONAL GRID  
(NORWICH TO TILBURY) ORDER  
INDICATIVE HIGHWAY MITIGATION KEY PLAN  
SECTION C  
SHEET 1 OF 1

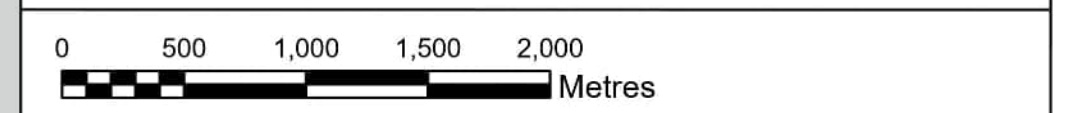
Application Document 7.3.C



- Order Limits
  - Sheet index
  - Local authority boundary
  - Section boundary and local authority boundary
  - Section boundary
- Proposed project design details**
- Primary access route
  - ALL access route
- Existing roads**
- A road
  - B road

- Notes**
1. These plans show the Order Limits and potential location for the works. 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 final alignment would lie.
  2. The plans form an Appendix to, and should be read alongside, the Outline Construction Traffic Management Plan.
  3. The proposed mitigation measures have been developed through engagement with the relevant local highways authorities and, where applicable, National Highways.
  4. The plans show proposed mitigation measures on the Primary Access Routes and ALL Routes.
  5. 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.

Coordinate System: British National Grid  
Sheet X Centroid Coordinate: 613622E m Sheet Y Centroid Coordinate: 236440N m



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Issue	Date	Remarks	Drawn	Checked	Approved
B	MAY-2026	For deadline four	KT	LC	DR
A	AUG-2025	For DCO submission	KT	DC	KR

**Title**

THE NATIONAL GRID  
(NORWICH TO TILBURY) ORDER  
INDICATIVE HIGHWAY MITIGATION KEY PLAN  
SECTION C  
SHEET 1 OF 1

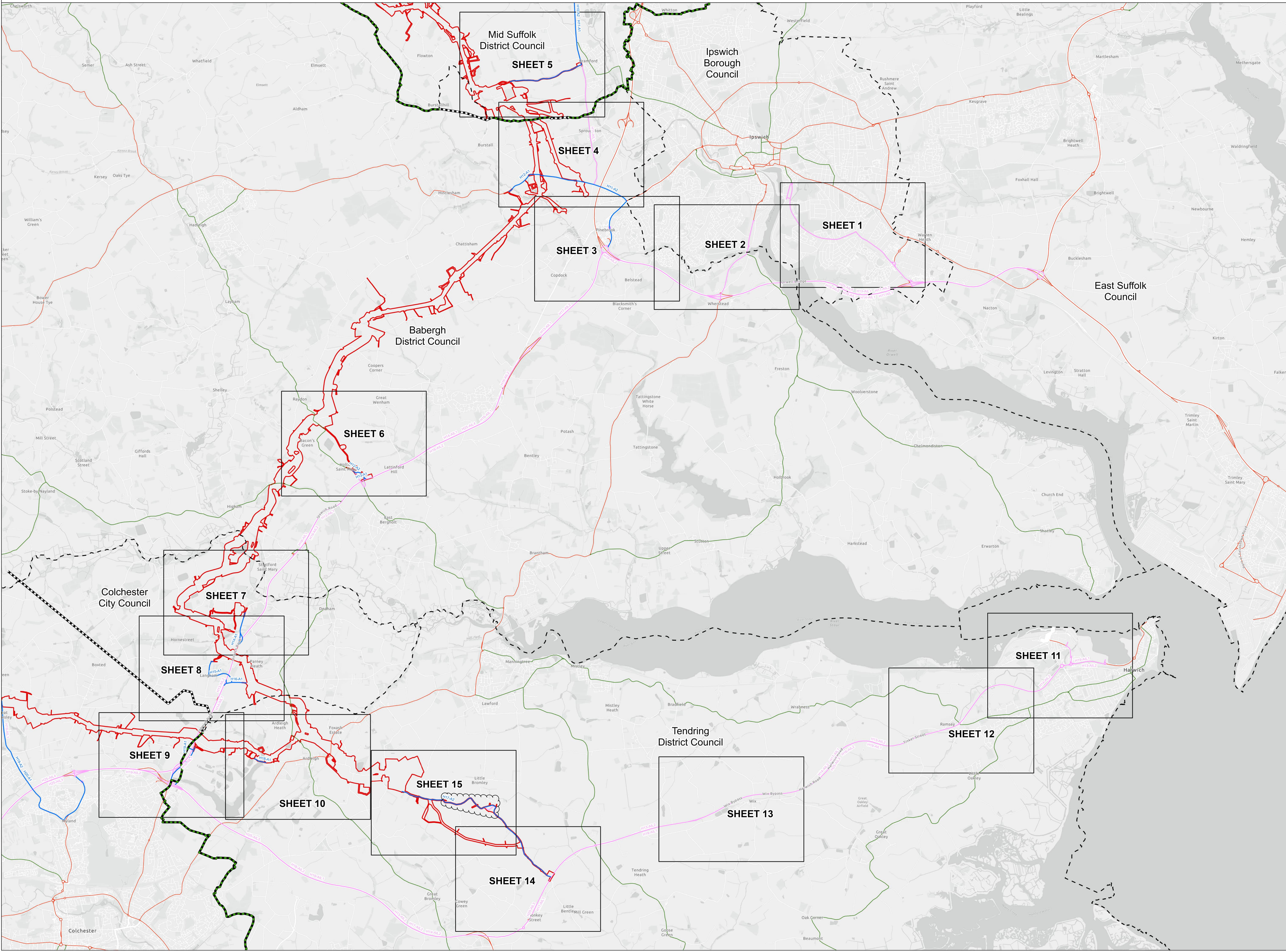
GENERAL ARRANGEMENT  
FOR INFORMATION ONLY

**nationalgrid**

PINS Application Number EN020027

National Grid Drawing Reference  
AENC-MMAC-ENG-DWG-0091

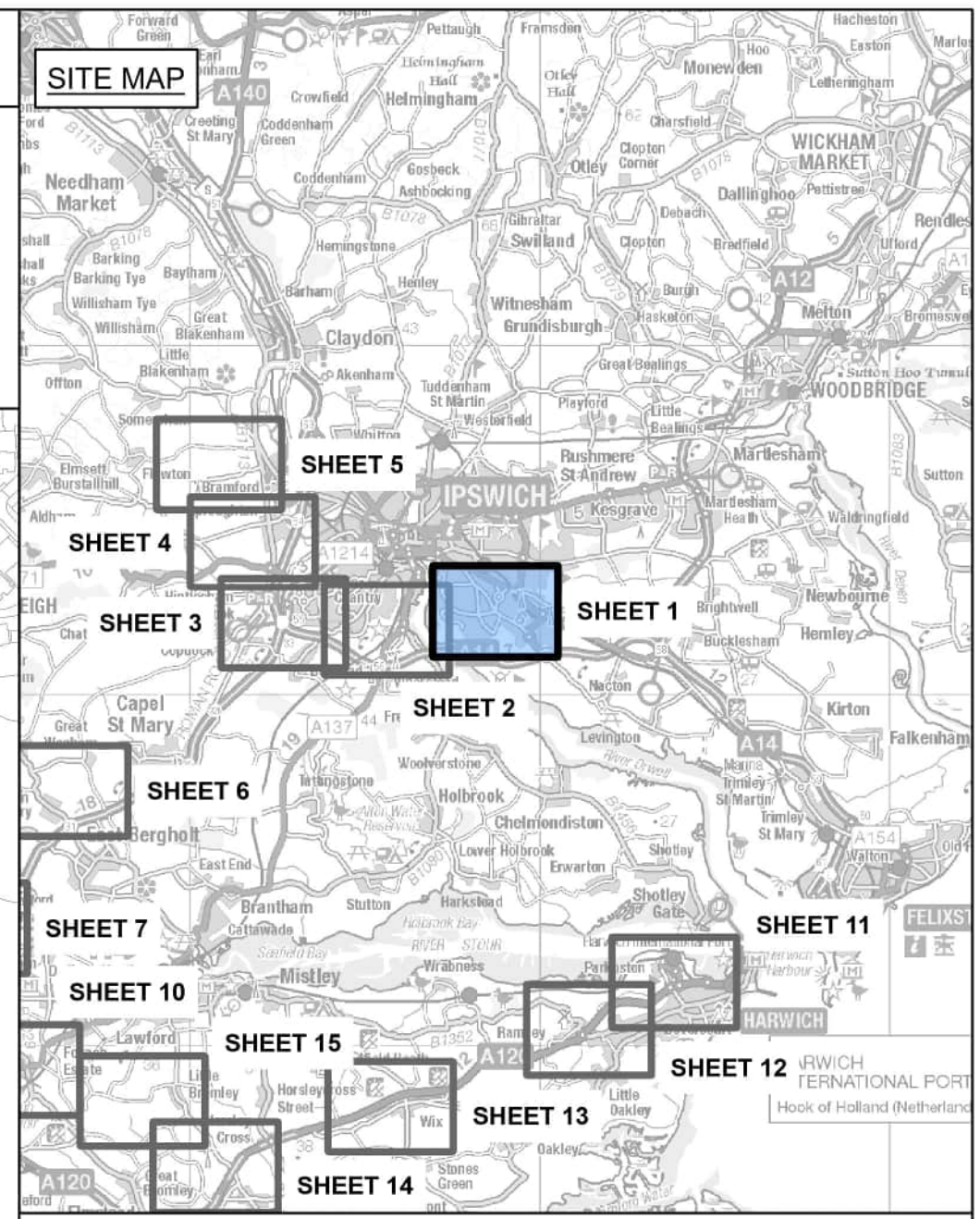
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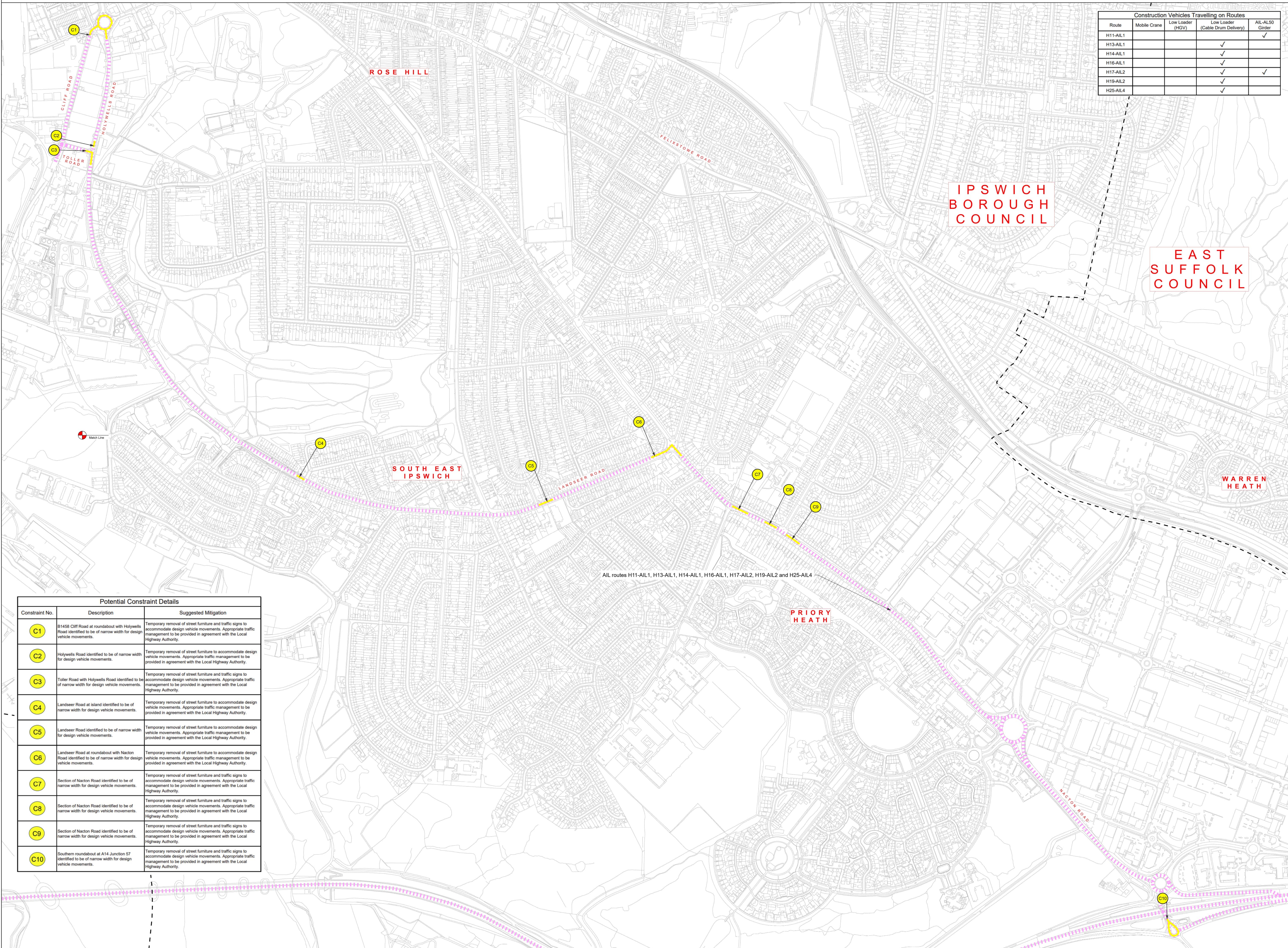


THE NATIONAL GRID  
(NORWICH TO TILBURY) ORDER  
INDICATIVE HIGHWAY MITIGATION PLANS  
SECTION C (SHEET 1 OF 15,  
IPSWICH BOROUGH COUNCIL)

Application Document 7.3.C



Route	Construction Vehicles Travelling on Routes		
	Mobile Crane	Low Loader (HGV)	AIL-AL50 Girder
H11-AIL1			✓
H13-AIL1		✓	
H14-AIL1		✓	
H16-AIL1		✓	
H17-AIL2		✓	✓
H19-AIL2		✓	
H25-AIL4		✓	



Sheet match line  
Local authority boundary  
AIL access route

Temporary works  
Vegetation removal / cutting back / temporary traffic regulation orders  
Modifications to existing highway features, including vegetation removal / cut back where required  
Work within the existing highway boundary, including vegetation removal / cut back where required

Design Specifications of Indicative Construction Vehicles

	AIL-AL50 Girder Delivery Vehicle	Low Loader (Cable Drum Delivery)
Overall Length	61.520m	25.440m
Overall Width	5.335m	4.500m
Overall Body Height	4.020m	5.000m
Max Track Width	3.000m	2.500m
Kerb to Kerb Radius	11.550m	14.500m

- Notes
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Potential Constraint Details		
Constraint No.	Description	Suggested Mitigation
C1	B1456 Cliff Road at roundabout with Holywells Road identified to be of narrow width for design vehicle movements.	Temporary removal of street furniture and traffic signs to accommodate design vehicle movements. Appropriate traffic management to be provided in agreement with the Local Highway Authority.
C2	Holywells Road identified to be of narrow width for design vehicle movements.	Temporary removal of street furniture to accommodate design vehicle movements. Appropriate traffic management to be provided in agreement with the Local Highway Authority.
C3	Toller Road with Holywells Road identified to be of narrow width for design vehicle movements.	Temporary removal of street furniture and traffic signs to accommodate design vehicle movements. Appropriate traffic management to be provided in agreement with the Local Highway Authority.
C4	Landseer Road at island identified to be of narrow width for design vehicle movements.	Temporary removal of street furniture to accommodate design vehicle movements. Appropriate traffic management to be provided in agreement with the Local Highway Authority.
C5	Landseer Road identified to be of narrow width for design vehicle movements.	Temporary removal of street furniture to accommodate design vehicle movements. Appropriate traffic management to be provided in agreement with the Local Highway Authority.
C6	Landseer Road at roundabout with Nacton Road identified to be of narrow width for design vehicle movements.	Temporary removal of street furniture to accommodate design vehicle movements. Appropriate traffic management to be provided in agreement with the Local Highway Authority.
C7	Section of Nacton Road identified to be of narrow width for design vehicle movements.	Temporary removal of street furniture and traffic signs to accommodate design vehicle movements. Appropriate traffic management to be provided in agreement with the Local Highway Authority.
C8	Section of Nacton Road identified to be of narrow width for design vehicle movements.	Temporary removal of street furniture and traffic signs to accommodate design vehicle movements. Appropriate traffic management to be provided in agreement with the Local Highway Authority.
C9	Section of Nacton Road identified to be of narrow width for design vehicle movements.	Temporary removal of street furniture and traffic signs to accommodate design vehicle movements. Appropriate traffic management to be provided in agreement with the Local Highway Authority.
C10	Southern roundabout at A14 Junction 57 identified to be of narrow width for design vehicle movements.	Temporary removal of street furniture and traffic signs to accommodate design vehicle movements. Appropriate traffic management to be provided in agreement with the Local Highway Authority.

Coordinate System: British National Grid  
Sheet X Centroid Coordinate: 618738E m Sheet Y Centroid Coordinate: 242300N m

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SECTION C (SHEET 1 OF 15,  
IPSWICH BOROUGH COUNCIL)

GENERAL ARRANGEMENT  
FOR INFORMATION ONLY

**nationalgrid**

PINS Application Number EN020027

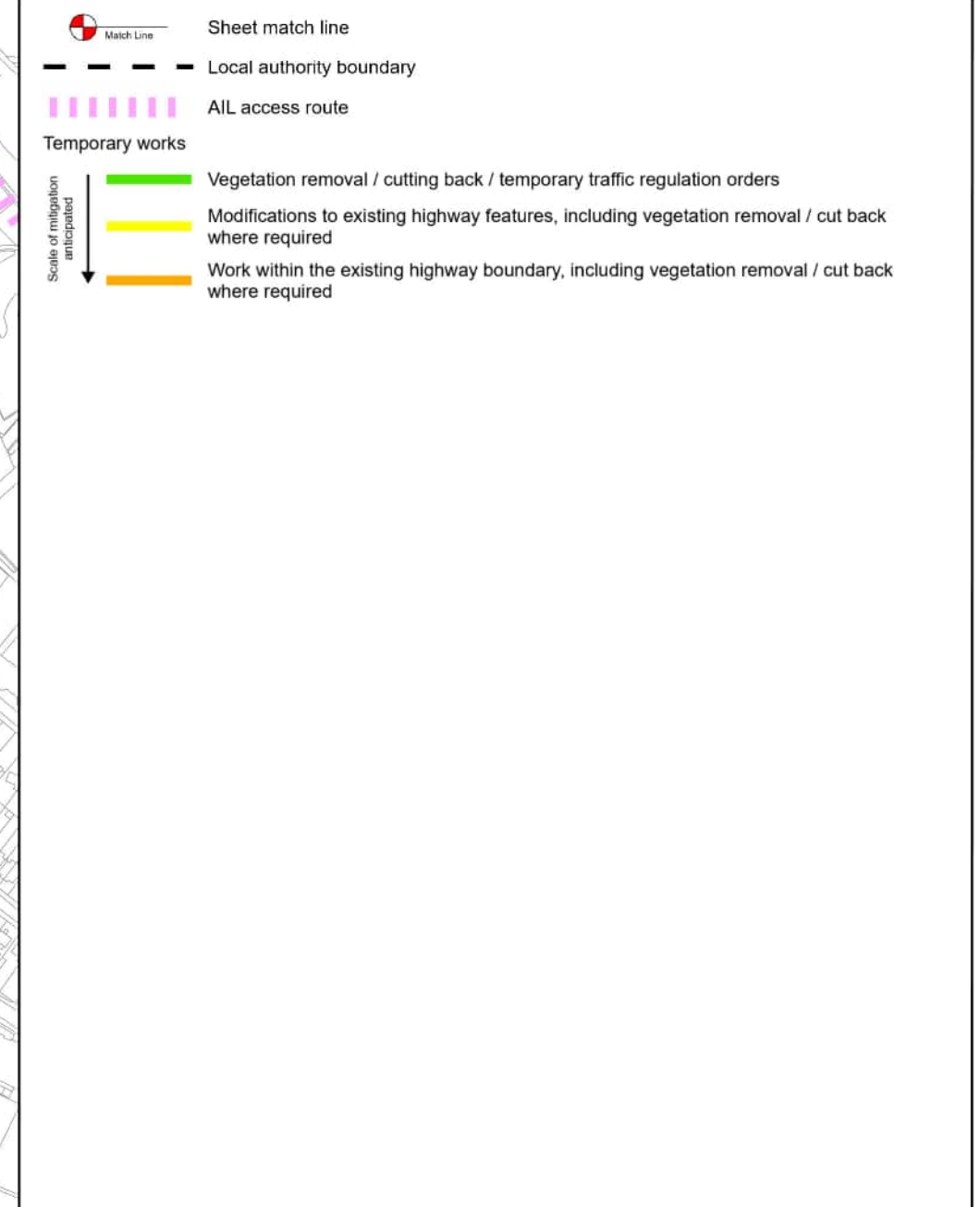
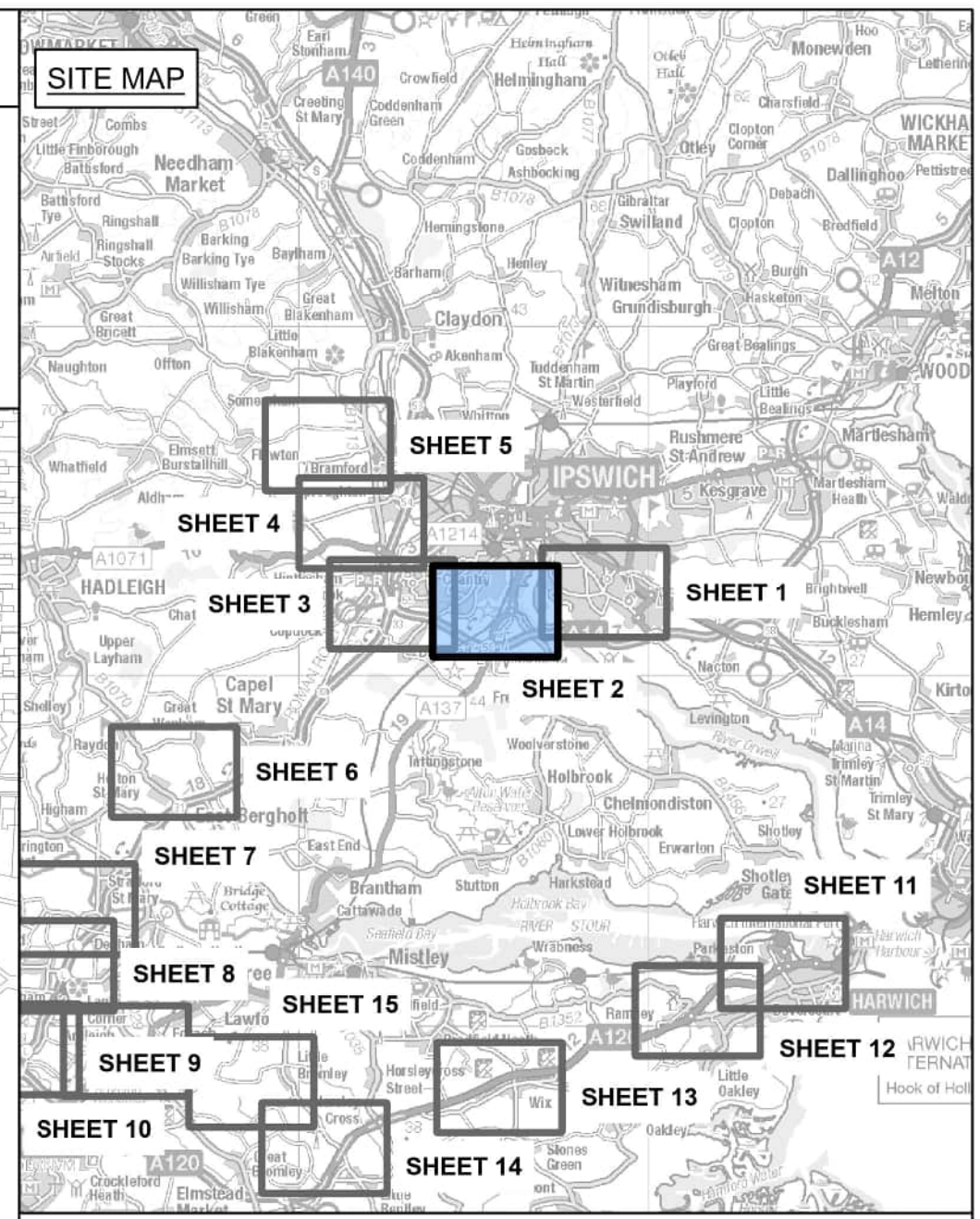
National Grid Drawing Reference  
AENC-MMAC-ENG-DWG-0091.01

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THE NATIONAL GRID  
(NORWICH TO TILBURY) ORDER  
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SECTION C (SHEET 2 OF 15,  
IPSWICH BOROUGH COUNCIL)

Application Document 7.3.C



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Sheet X Centroid Coordinate: 615628E m Sheet Y Centroid Coordinate: 241848N m

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SECTION C (SHEET 2 OF 15,  
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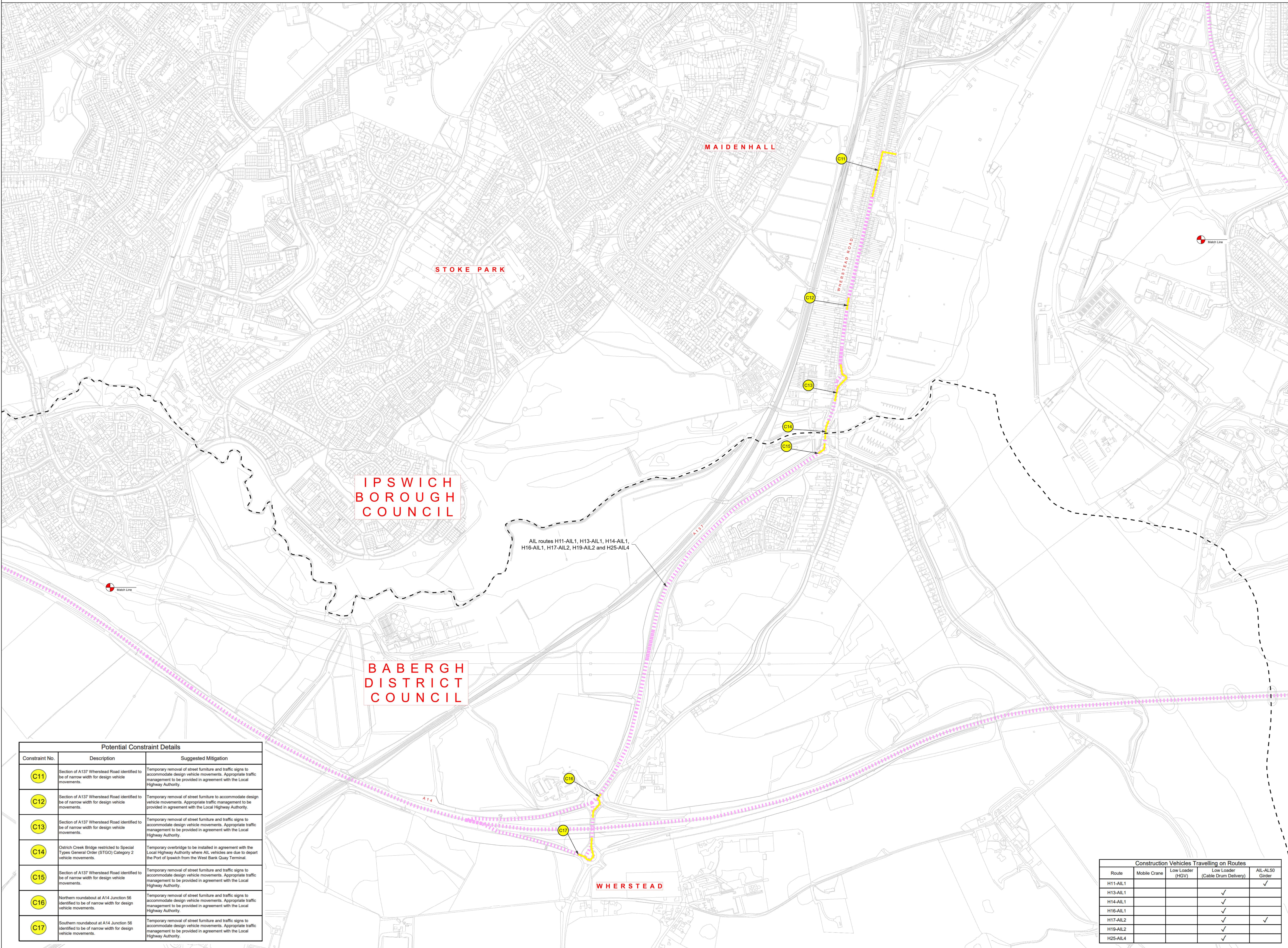
GENERAL ARRANGEMENT  
FOR INFORMATION ONLY

nationalgrid

PINS Application Number EN020027

National Grid Drawing Reference  
AENC-MMAC-ENG-DWG-0091.02

Scale 1:3,500 Sheet Size A0 Sheet SHEET 2 OF 15 Issue B



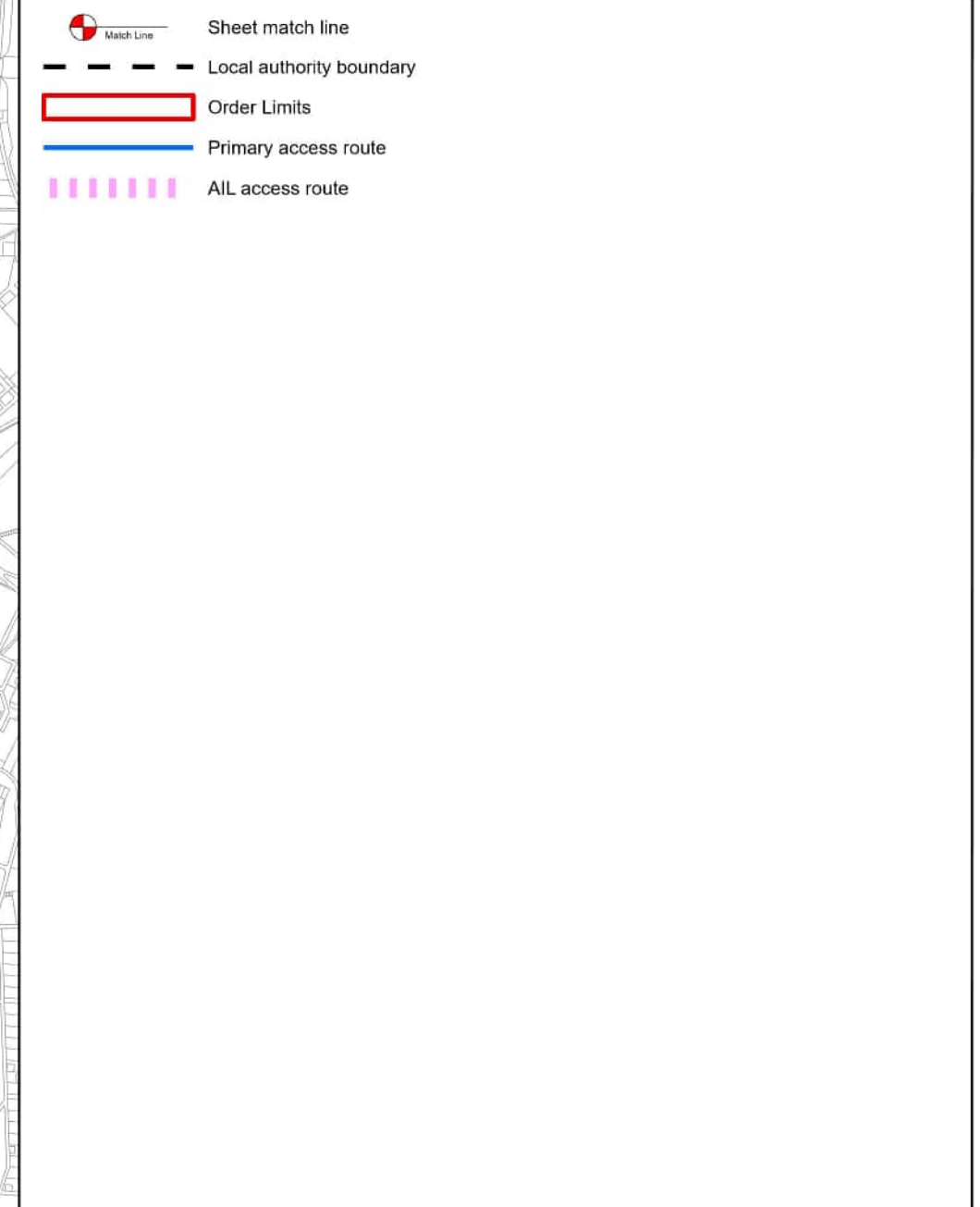
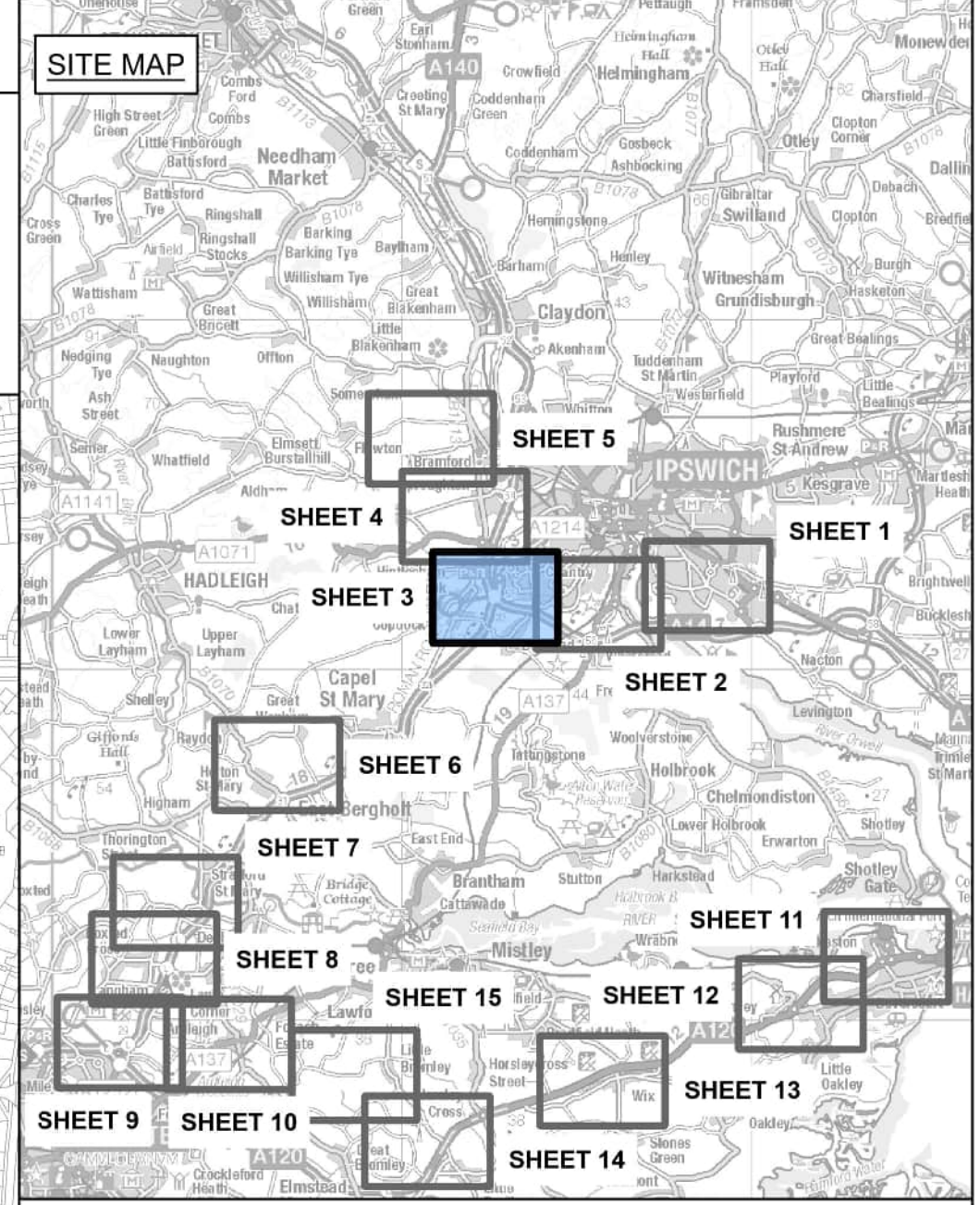
Constraint No.	Description	Suggested Mitigation
C11	Section of A137 Wherstead Road identified to be of narrow width for design vehicle movements.	Temporary removal of street furniture and traffic signs to accommodate design vehicle movements. Appropriate traffic management to be provided in agreement with the Local Highway Authority.
C12	Section of A137 Wherstead Road identified to be of narrow width for design vehicle movements.	Temporary removal of street furniture to accommodate design vehicle movements. Appropriate traffic management to be provided in agreement with the Local Highway Authority.
C13	Section of A137 Wherstead Road identified to be of narrow width for design vehicle movements.	Temporary removal of street furniture and traffic signs to accommodate design vehicle movements. Appropriate traffic management to be provided in agreement with the Local Highway Authority.
C14	Ditch Creek Bridge restricted to Special Types General Order (STGO) Category 2 vehicle movements.	Temporary overbridge to be installed in agreement with the Local Highway Authority where AIL vehicles are due to depart the Port of Ipswich from the West Bank Quay Terminal.
C15	Section of A137 Wherstead Road identified to be of narrow width for design vehicle movements.	Temporary removal of street furniture and traffic signs to accommodate design vehicle movements. Appropriate traffic management to be provided in agreement with the Local Highway Authority.
C16	Northern roundabout at A14 Junction 56 identified to be of narrow width for design vehicle movements.	Temporary removal of street furniture and traffic signs to accommodate design vehicle movements. Appropriate traffic management to be provided in agreement with the Local Highway Authority.
C17	Southern roundabout at A14 Junction 56 identified to be of narrow width for design vehicle movements.	Temporary removal of street furniture and traffic signs to accommodate design vehicle movements. Appropriate traffic management to be provided in agreement with the Local Highway Authority.

Construction Vehicles Travelling on Routes				
Route	Mobile Crane	Low Loader (HGV)	Low Loader (Cable Drum Delivery)	AIL-AL50 Girder
H11-AIL1				✓
H13-AIL1			✓	
H14-AIL1			✓	
H16-AIL1			✓	
H17-AIL2			✓	
H19-AIL2			✓	✓
H25-AIL4			✓	



THE NATIONAL GRID  
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INDICATIVE HIGHWAY MITIGATION PLANS  
SECTION C (SHEET 3 OF 15,  
BABERGH DISTRICT COUNCIL)

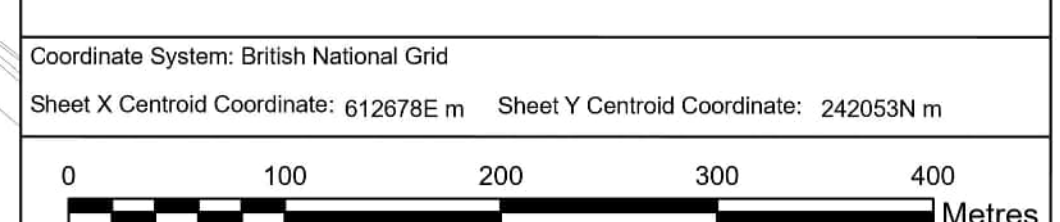
Application Document 7.3.C



Design Specifications of Indicative Construction Vehicles

Mobile Crane Liebherr LTM 1250-6-1	Low Loader HGV	
Overall Length 17.850m	Overall Length 16.633m	
Overall Width 3.000m	Overall Width 2.500m	
Overall Body Height 4.000m	Overall Body Height 3.396m	
Max Track Width 3.000m	Max Track Width 2.500m	
Kerb to Kerb Radius 11.624m	Kerb to Kerb Radius 6.790m	
AIL-AL50 Gilder Delivery Vehicle	Low Loader (Cable Drum Delivery)	
Overall Length 61.520m	Overall Length 25.440m	
Overall Width 5.336m	Overall Width 4.500m	
Overall Body Height 4.020m	Overall Body Height 5.000m	
Max Track Width 3.000m	Max Track Width 2.500m	
Kerb to Kerb Radius 11.550m	Kerb to Kerb Radius 14.500m	

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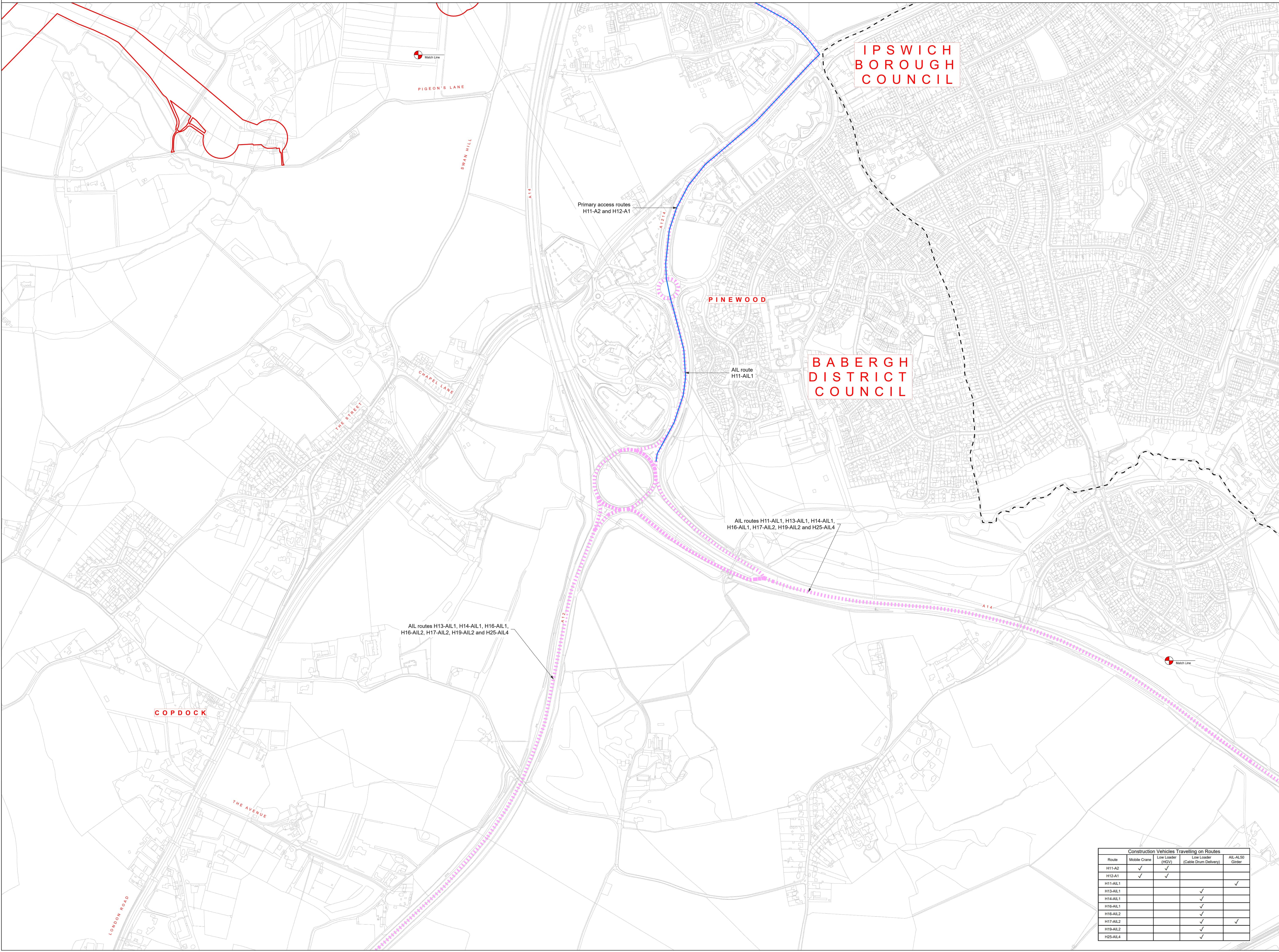
Issue	Date	Remarks	Drawn	Checked	Approved
B	MAY-2026	For deadline four	KT	LC	DR
A	AUG-2025	For DCO submission	KT	DC	KR

Title  
THE NATIONAL GRID  
(NORWICH TO TILBURY) ORDER  
INDICATIVE HIGHWAY MITIGATION PLANS  
SECTION C (SHEET 3 OF 15,  
BABERGH DISTRICT COUNCIL)

GENERAL ARRANGEMENT  
FOR INFORMATION ONLY

nationalgrid			
PINS Application Number		EN020027	
National Grid Drawing Reference			
AENC-MMAC-ENG-DWG-0091.03			
Scale	Sheet Size	Sheet	Issue
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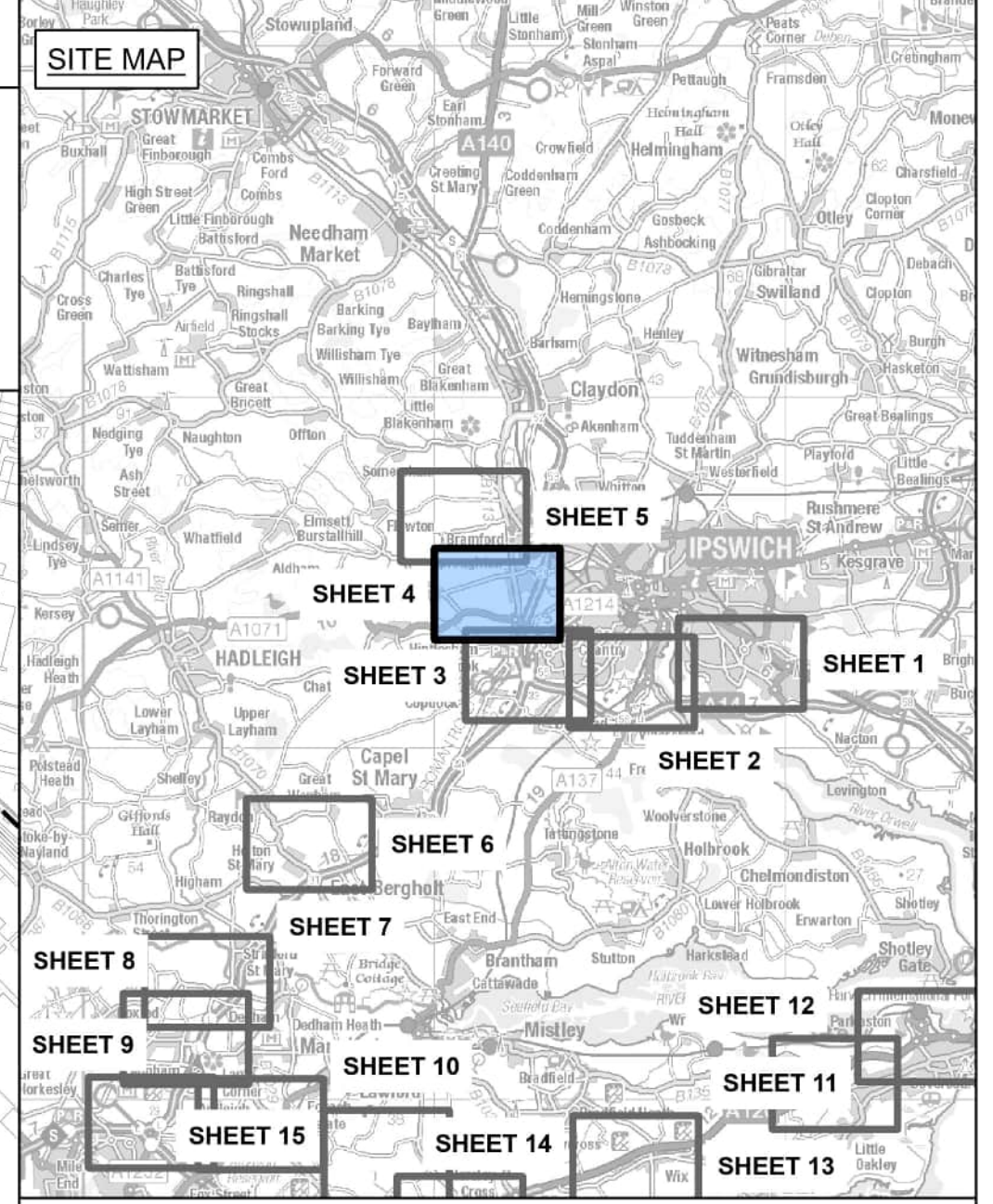
Route	Mobile Crane	Low Loader (HGV)	Low Loader (Cable Drum Delivery)	AIL-AL50 Gilder
H11-A2	✓	✓		
H12-A1	✓	✓		
H11-AIL1				✓
H13-AIL1			✓	
H14-AIL1			✓	
H16-AIL1			✓	
H16-AIL2			✓	
H17-AIL2			✓	✓
H19-AIL2			✓	
H25-AIL4			✓	





THE NATIONAL GRID  
(NORWICH TO TILBURY) ORDER  
INDICATIVE HIGHWAY MITIGATION PLANS  
SECTION C (SHEET 4 OF 15,  
BABERGH DISTRICT COUNCIL)

Application Document 7.3.C



Potential Constraint Details		
Constraint No.	Description	Suggested Mitigation
C18	A1071 identified to be of narrow width for design vehicle movements.	Temporary removal of street furniture and traffic signs to accommodate design vehicle movements. Appropriate traffic management to be provided in agreement with the Local Highway Authority.
C19	Geometry of exit and entry to roundabout between A1071 and B1113 identified as narrow width for design vehicle movements.	Removal of traffic islands to facilitate design vehicle movements. Temporary islands to be provided between AIL movements.
C20	B1113 Loraine Way at existing island identified to be of narrow width for design vehicle movements.	Temporary removal of street furniture and island to accommodate design vehicle movements. Appropriate traffic management to be provided in agreement with the Local Highway Authority.
C21	Evidence of street parking on section of B1113 Loraine Way.	Temporary suspension of parking to accommodate design vehicle movements for the duration of construction access use.
C22	B1113 Loraine Way at existing island identified to be of narrow width for design vehicle movements.	Temporary removal of street furniture and island to accommodate design vehicle movements. Appropriate traffic management to be provided in agreement with the Local Highway Authority.

Route	Construction Vehicles Travelling on Routes			
	Mobile Crane	Low Loader (HGV)	Low Loader (Cable Drum Delivery)	AIL-ALSO Girder
H11-A2	✓	✓		
H12-A1	✓	✓		
H11-A1				✓

Legend:

- Sheet match line
- Local authority boundary
- Order Limits
- Primary access route
- AIL access route
- AIL route
- Temporary works
- Vegetation removal / cutting back / temporary traffic regulation orders
- Modifications to existing highway features, including vegetation removal / cut back where required
- Work within the existing highway boundary, including vegetation removal / cut back where required
- Crossover point (bellmouth)
- Site access point (bellmouth)

Design Specifications of Indicative Construction Vehicles

**Mobile Crane Liebherr LTM 1250-6-1**  
Overall Length: 17.835m  
Overall Width: 3.000m  
Overall Body Height: 4.000m  
Track Width: 3.000m  
Kerb to Kerb Radius: 11.624m

**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: 6.790m

**AIL-ALSO Girder 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

- Notes
- These plans show the Order Limits and potential location for the works. 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 final alignment would lie.
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Coordinate System: British National Grid  
Sheet X Centroid Coordinate: 611796E m Sheet Y Centroid Coordinate: 244379N m

0 100 200 300 400 Metres

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SECTION C (SHEET 4 OF 15,  
BABERGH DISTRICT COUNCIL)

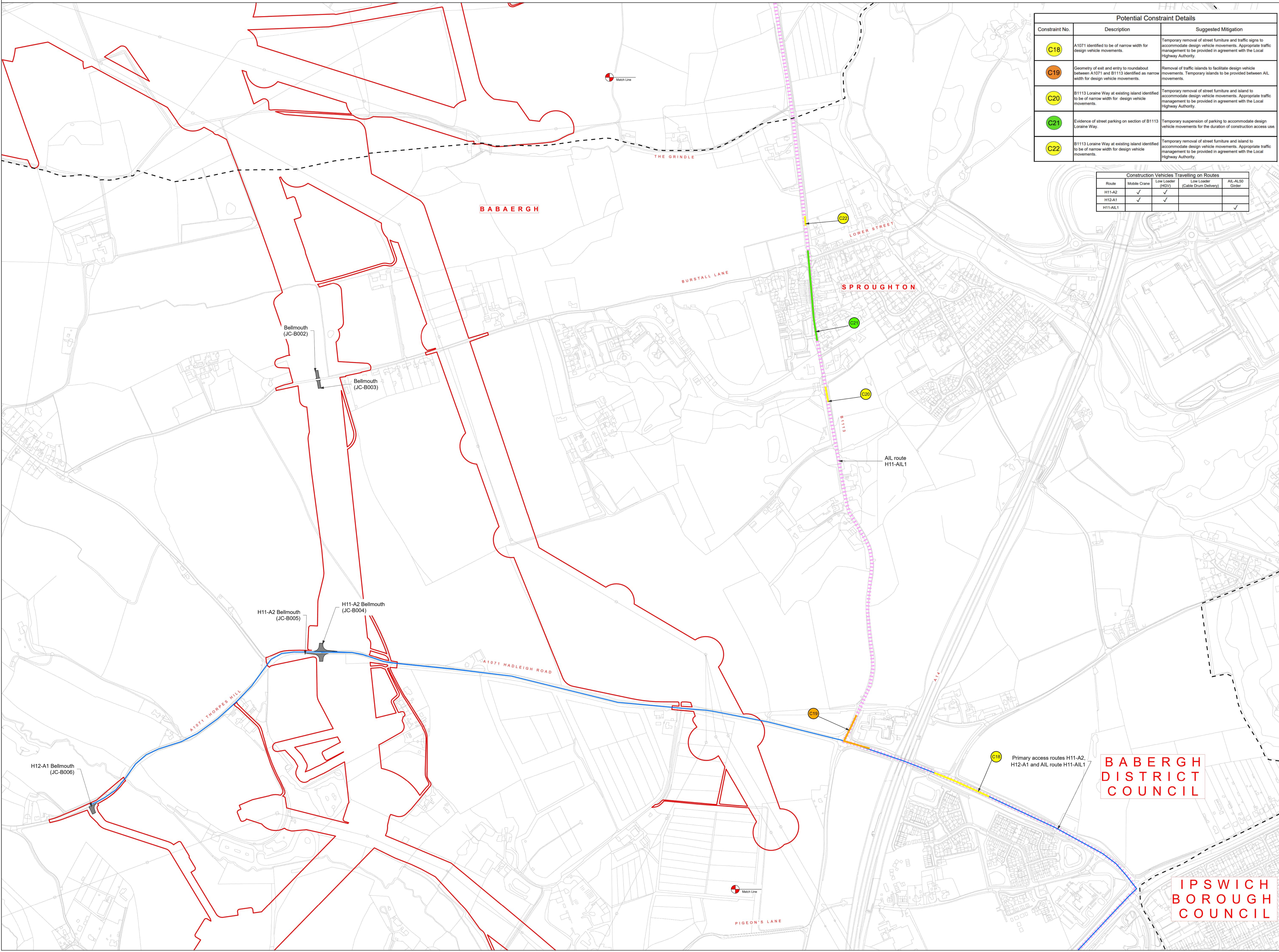
GENERAL ARRANGEMENT  
FOR INFORMATION ONLY

**nationalgrid**

PINS Application Number: EN020027

National Grid Drawing Reference: AENC-MMAC-ENG-DWG-0091.04

Scale	Sheet Size	Sheet	Issue
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**BABERGH DISTRICT COUNCIL**

**IPSWICH BOROUGH COUNCIL**

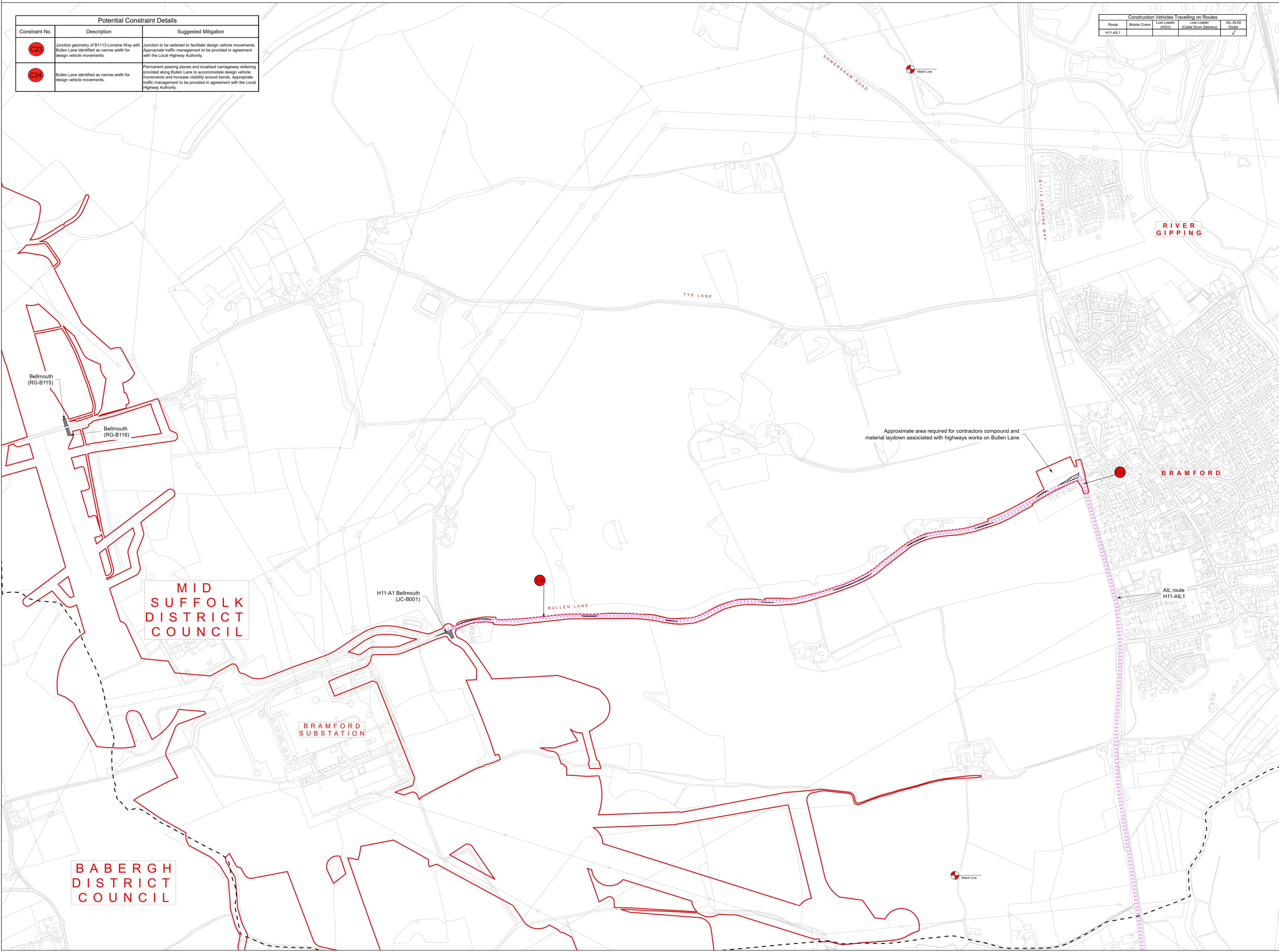
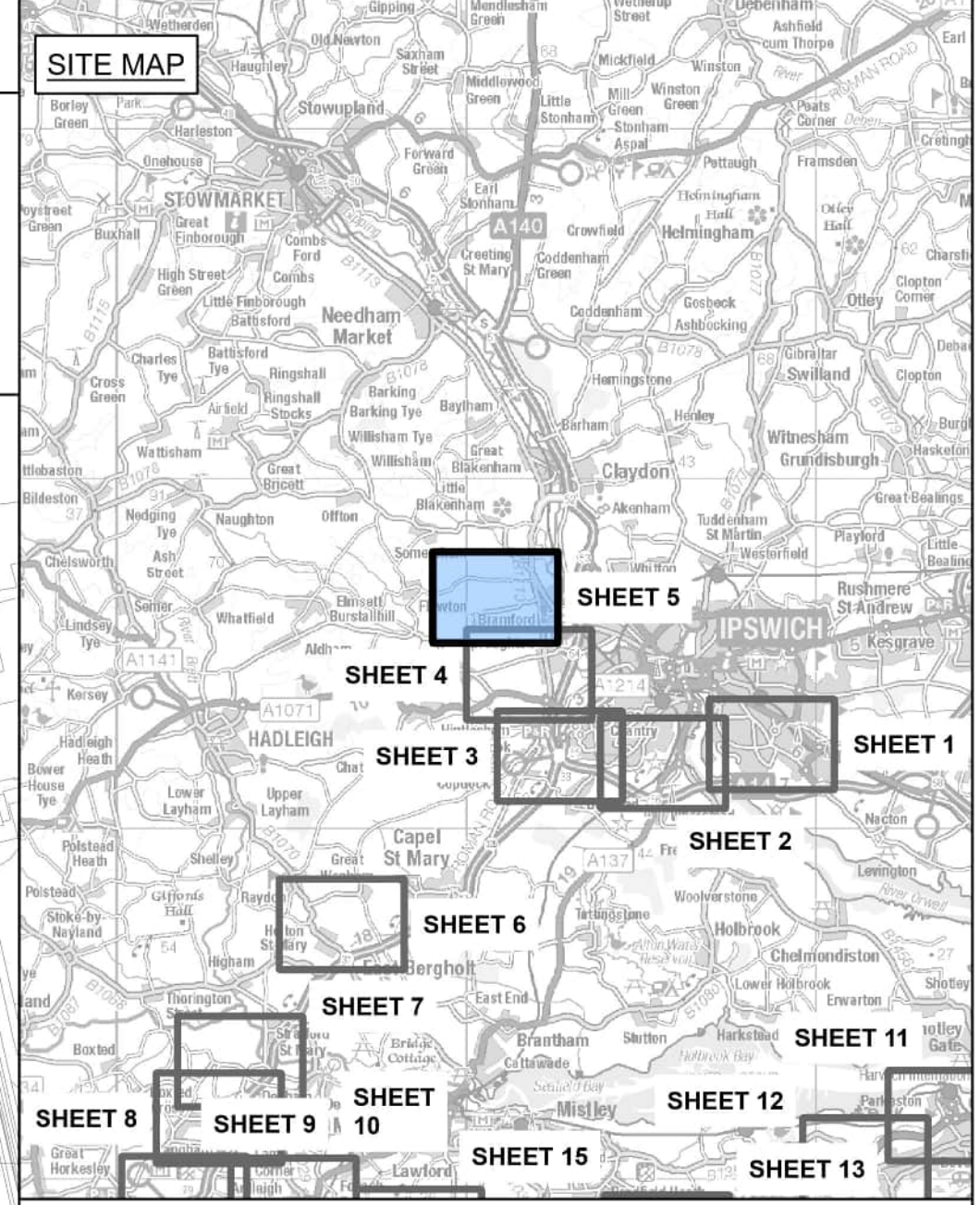


THE NATIONAL GRID  
(NORWICH TO TILBURY) ORDER  
INDICATIVE HIGHWAY MITIGATION PLANS  
SECTION C (SHEET 5 OF 15,  
MID SUFFOLK DISTRICT COUNCIL)

Application Document 7.3.C

Potential Constraint Details		
Constraint No.	Description	Suggested Mitigation
C23	Junction geometry of B1113 Lorraine Way with Bullen Lane identified as narrow width for design vehicle movements.	Junction to be widened to facilitate design vehicle movements. Appropriate traffic management to be provided in agreement with the Local Highway Authority.
C24	Bullen Lane identified as narrow width for design vehicle movements.	Permanent passing places and localised carriageway widening provided along Bullen Lane to accommodate design vehicle movements and increase visibility around bends. Appropriate traffic management to be provided in agreement with the Local Highway Authority.

Route	Construction Vehicles Travelling on Routes		
	Mobile Crane	Low Loader (RGV)	AIL-AL50 Gilder
H11-A11			✓

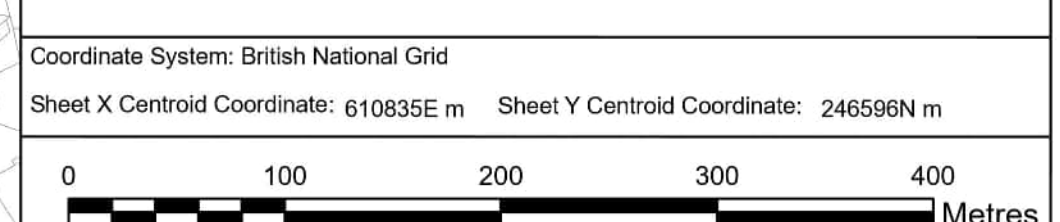


Legend	
	Sheet match line
	Local authority boundary
	Order Limits
	AIL access route
	Temporary works
	Vegetation removal / cutting back / temporary traffic regulation orders
	Modifications to existing highway features, including vegetation removal / cut back where required
	Work within the existing highway boundary, including vegetation removal / cut back where required
	Includes works outside the existing highway boundary
	Crossover point (bellmouth)
	Site access point (bellmouth)
	Indicative area of carriageway widening

Design Specifications of Indicative Construction Vehicles

AIL-AL50 Gilder Delivery Vehicle	
Overall Length	61.520m
Overall Width	5.330m
Overall Body Height	4.020m
Max Track Width	3.000m
Kerb to Kerb Radius	11.550m

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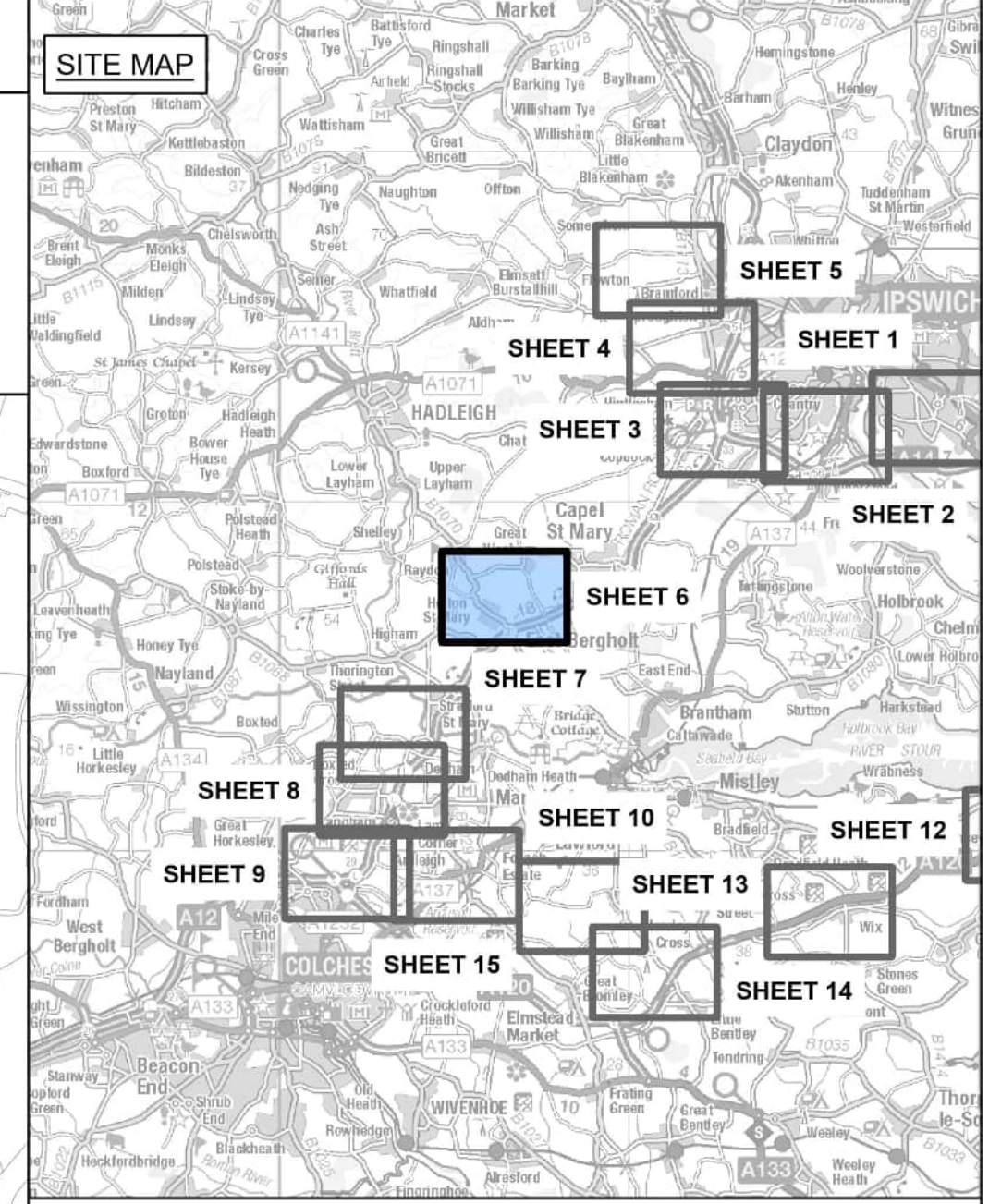
GENERAL ARRANGEMENT  
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nationalgrid			
PINS Application Number		EN020027	
National Grid Drawing Reference			
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Scale	Sheet Size	Sheet	Issue
1:3,500	A0	SHEET 5 OF 15	B

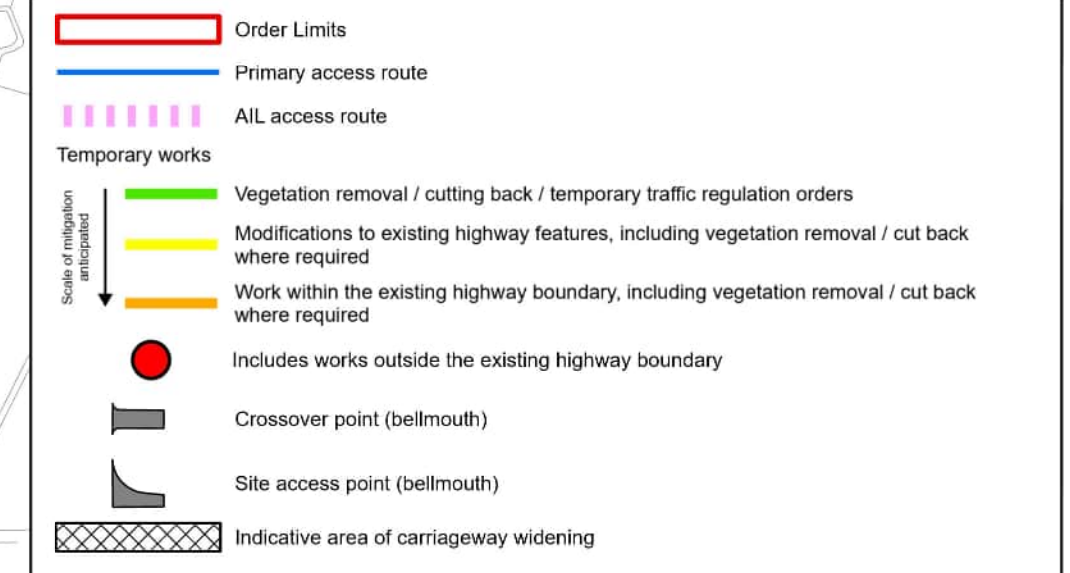


THE NATIONAL GRID  
(NORWICH TO TILBURY) ORDER  
INDICATIVE HIGHWAY MITIGATION PLANS  
SECTION C (SHEET 6 OF 15,  
BABERGH DISTRICT COUNCIL)

Application Document 7.3.C



Potential Constraint Details		
Constraint No.	Description	Suggested Mitigation
C25	B1070 junction towards Holton St Mary identified to be of narrow width for design vehicle movements.	Temporary removal of street furniture and traffic signs to accommodate design vehicle movements. Appropriate traffic management to be provided in agreement with the Local Highway Authority.
C26	Merge taper at A12 Ipswich Road junction with B1070 identified to be of insufficient length for design vehicle movements.	Merge taper to be increased according to relevant design standard. Merge taper to be increased to facilitate safe design vehicle movements.
C27	B1070 identified to be of narrow width for design vehicle movements.	Temporary removal of street furniture and traffic signs to accommodate design vehicle movements. Appropriate traffic management to be provided in agreement with the Local Highway Authority.
C28	B1070 identified to be of narrow width for design vehicle movements.	Temporary removal of street furniture and traffic signs to accommodate design vehicle movements. Appropriate traffic management to be provided in agreement with the Local Highway Authority.



Design Specifications of Indicative Construction Vehicles

	<b>Low Loader (Cable Drum Delivery)</b>	<b>Low Loader HGV</b>
Overall Length	25.440m	16.633m
Overall Width	4.500m	2.500m
Overall Body Height	5.000m	3.396m
Max Track Width	2.500m	2.500m
Kerb to Kerb Radius	4.500m	6.790m
	<b>AIL-AL50 Gilder Delivery Vehicle</b>	
Overall Length	61.520m	
Overall Width	5.336m	
Overall Body Height	4.020m	
Max Track Width	3.000m	
Kerb to Kerb Radius	11.550m	

- Notes**
1. These plans show the Order Limits and potential location for the works. 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 final alignment would lie.
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  4. The plans show proposed mitigation measures on the Primary Access Routes and AIL Routes.
  5. 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.

Coordinate System: British National Grid  
Sheet X Centroid Coordinate: 606435E m Sheet Y Centroid Coordinate: 237252N m

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Issue	Date	Remarks	Drawn	Checked	Approved
B	MAY-2026	For deadline four	KT	LC	DR
A	AUG-2025	For DCO submission	KT	DC	KR

Title  
THE NATIONAL GRID  
(NORWICH TO TILBURY) ORDER  
INDICATIVE HIGHWAY MITIGATION PLANS  
SECTION C (SHEET 6 OF 15,  
BABERGH DISTRICT COUNCIL)

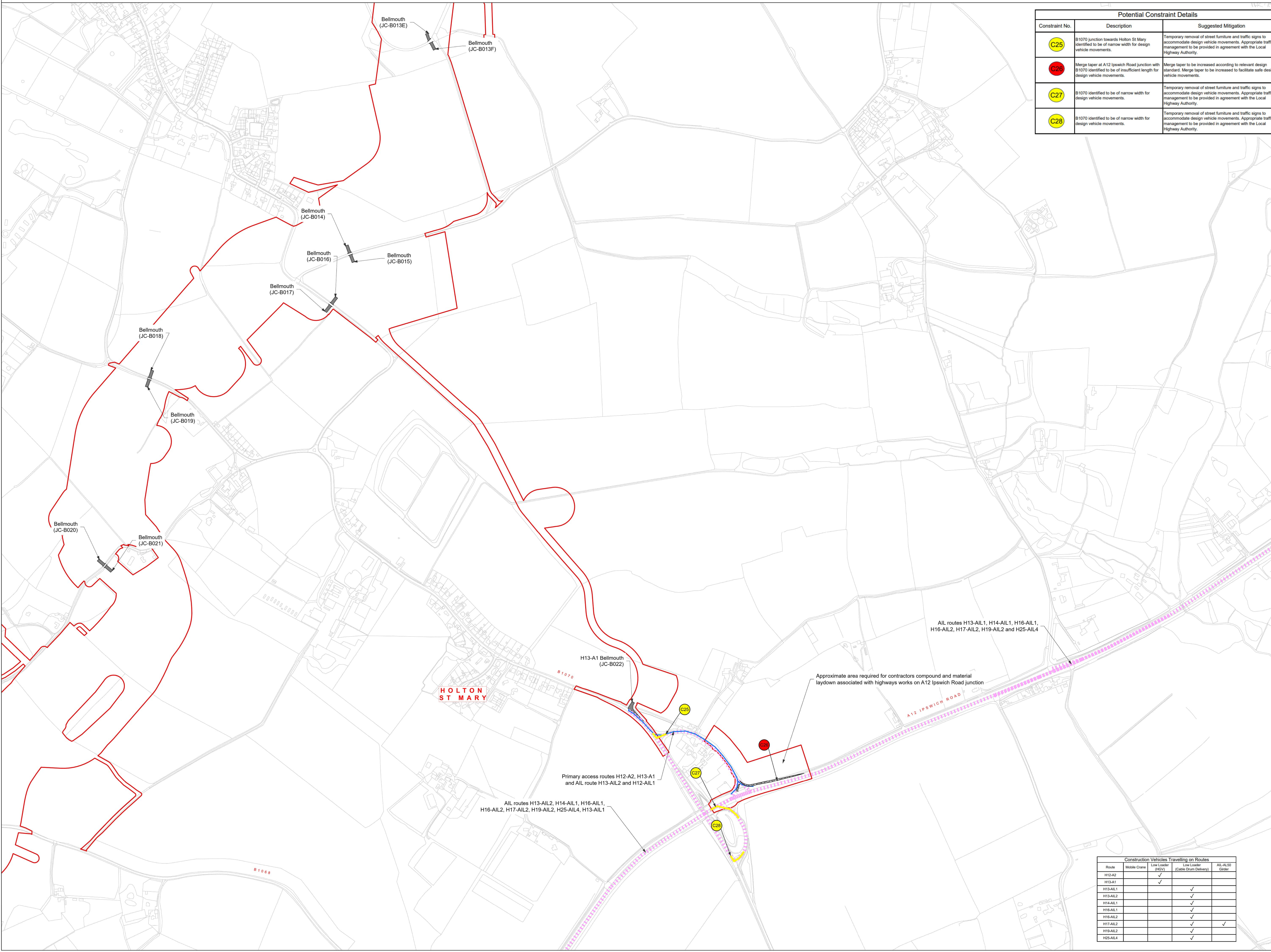
GENERAL ARRANGEMENT  
FOR INFORMATION ONLY



PINS Application Number EN020027

National Grid Drawing Reference  
AENC-MMAC-ENG-DWG-0091.06

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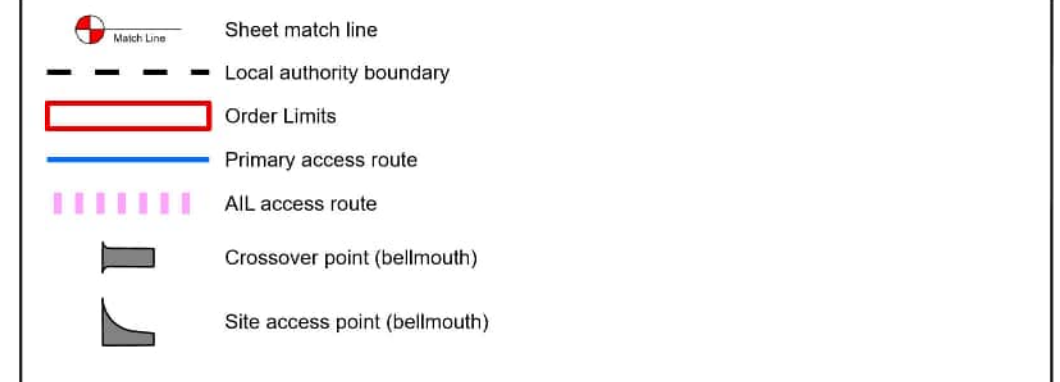
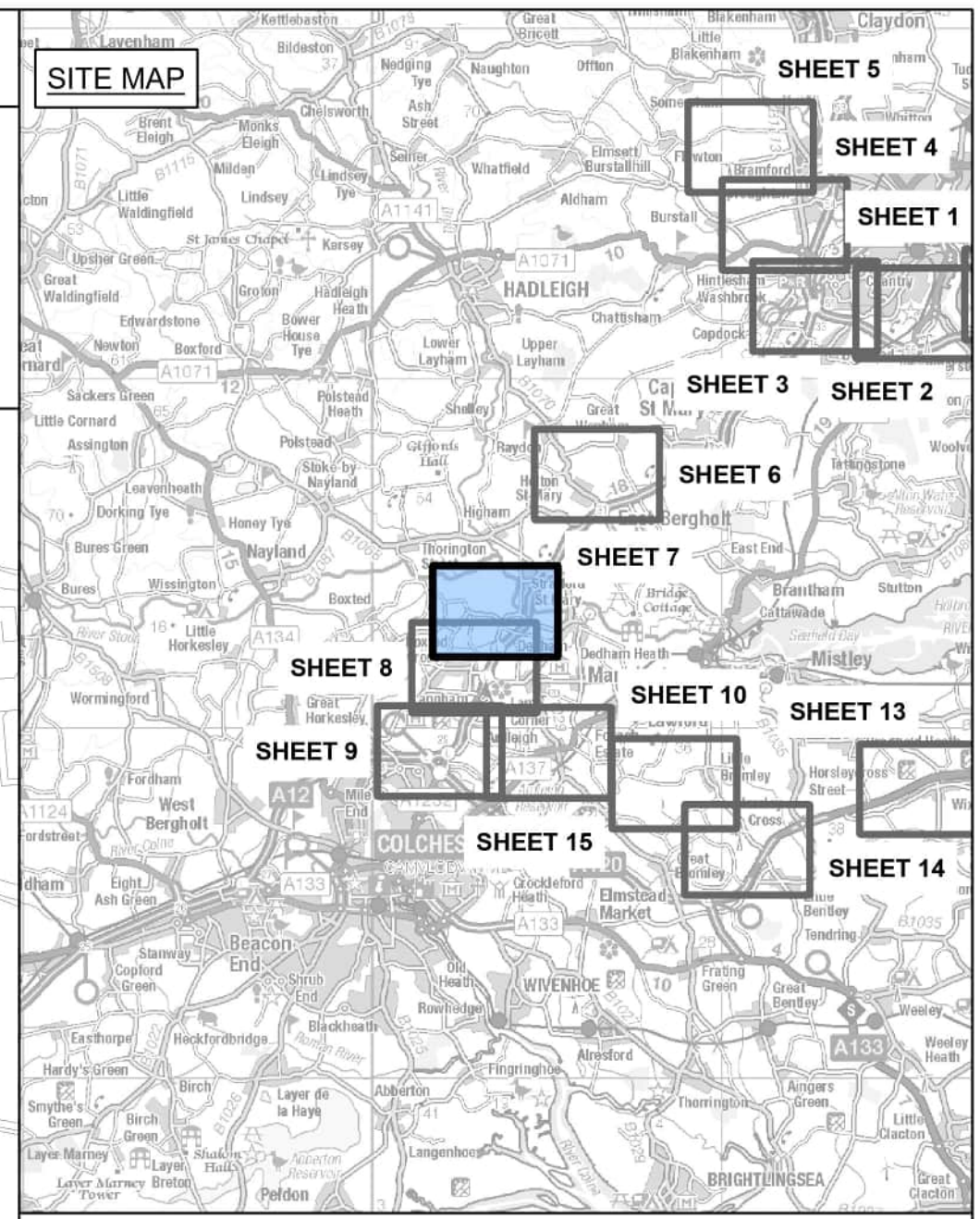


Construction Vehicles Travelling on Routes			
Route	Mobile Crane	Low Loader (HGV)	AIL-AL50 Gilder
H12-A2	✓	✓	
H13-A1	✓	✓	
H13-AIL1		✓	✓
H13-AIL2		✓	✓
H14-AIL1		✓	✓
H16-AIL1		✓	✓
H16-AIL2		✓	✓
H17-AIL2		✓	✓
H19-AIL2		✓	✓
H25-AIL4		✓	✓



THE NATIONAL GRID  
(NORWICH TO TILBURY) ORDER  
INDICATIVE HIGHWAY MITIGATION PLANS  
SECTION C (SHEET 7 OF 15,  
COLCHESTER CITY COUNCIL)

Application Document 7.3.C



Design Specifications of Indicative Construction Vehicles

	<b>Low Loader (Cable Drum Delivery)</b>		<b>Low Loader HGV</b>
Overall Length	25.40m	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
	<b>AIL-AL50 Girder Delivery Vehicle</b>		
Overall Length	61.520m		
Overall Width	5.336m		
Overall Body Height	4.020m		
Max Track Width	3.000m		
Kerb to Kerb Radius	11.550m		

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Coordinate System: British National Grid  
Sheet X Centroid Coordinate: 603530E m Sheet Y Centroid Coordinate: 233330N m

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Title

THE NATIONAL GRID  
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INDICATIVE HIGHWAY MITIGATION PLANS  
SECTION C (SHEET 7 OF 15,  
COLCHESTER CITY COUNCIL)

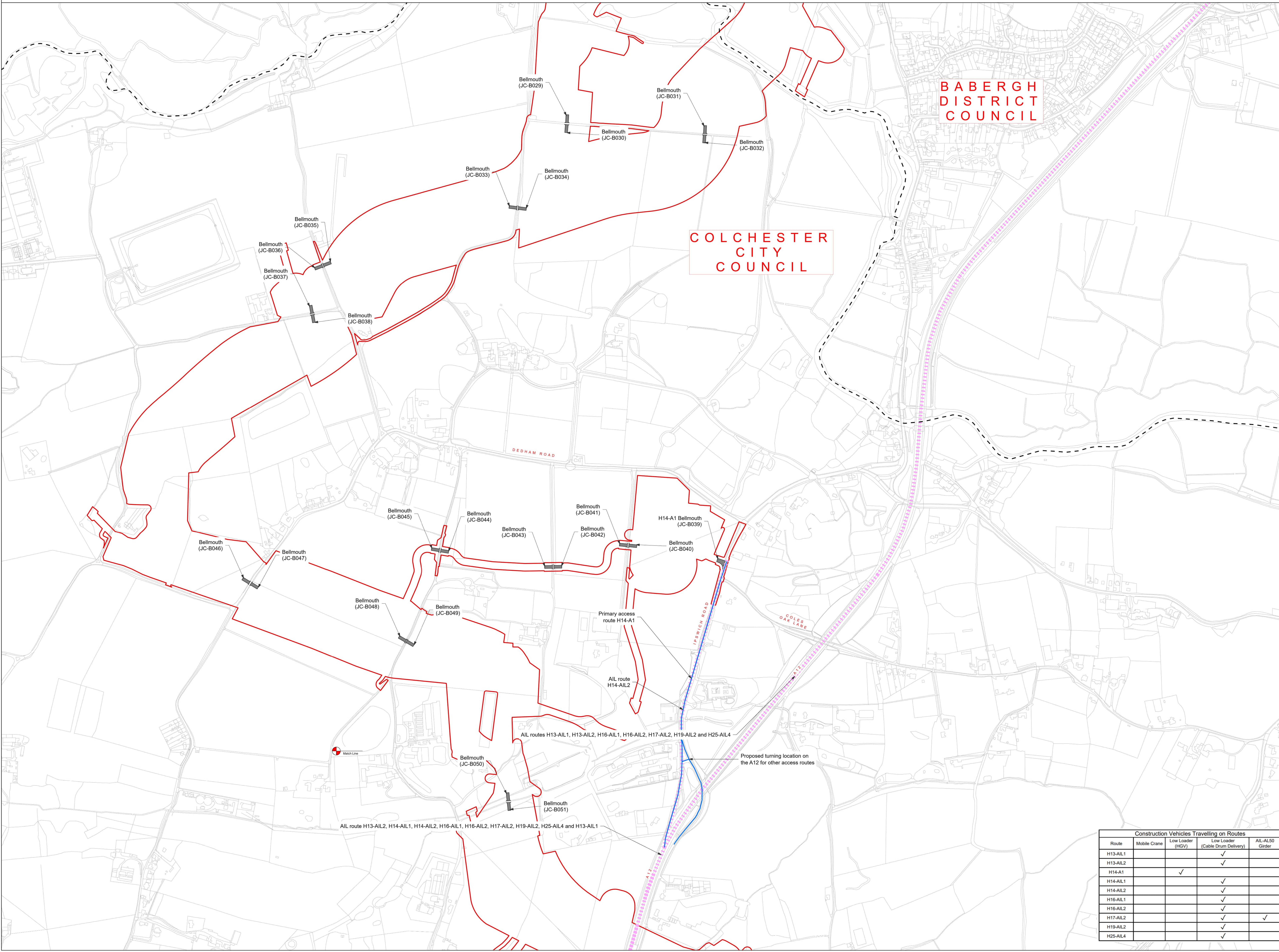
GENERAL ARRANGEMENT  
FOR INFORMATION ONLY

PINS Application Number EN020027

National Grid Drawing Reference  
AENC-MMAC-ENG-DWG-0091.07

Scale	Sheet Size	Sheet	Issue
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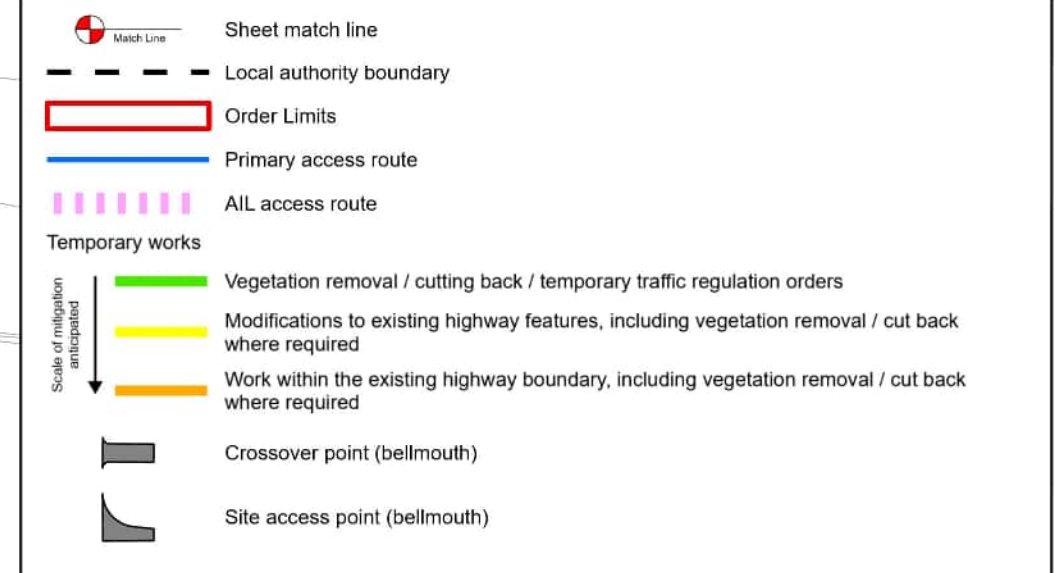
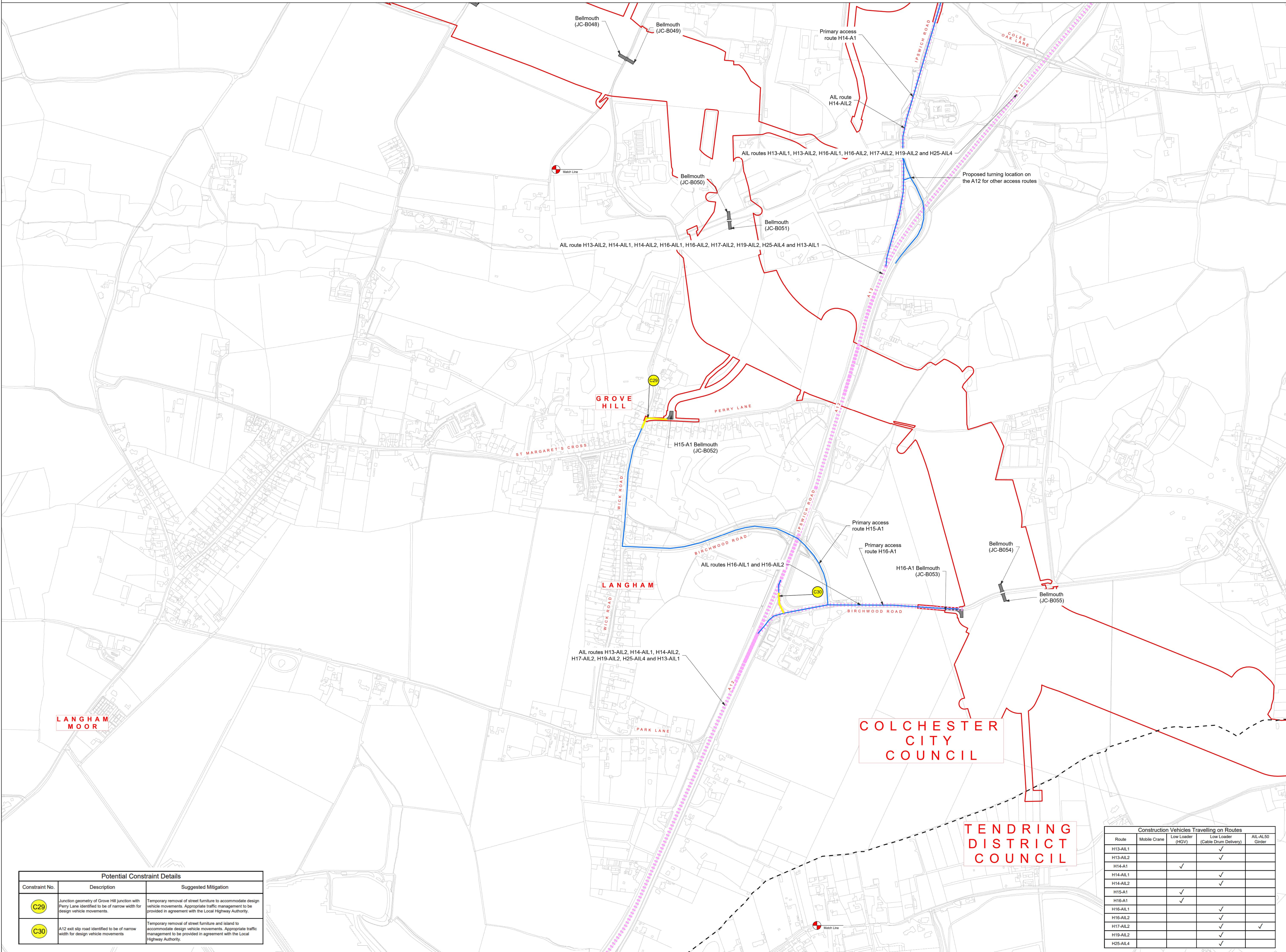
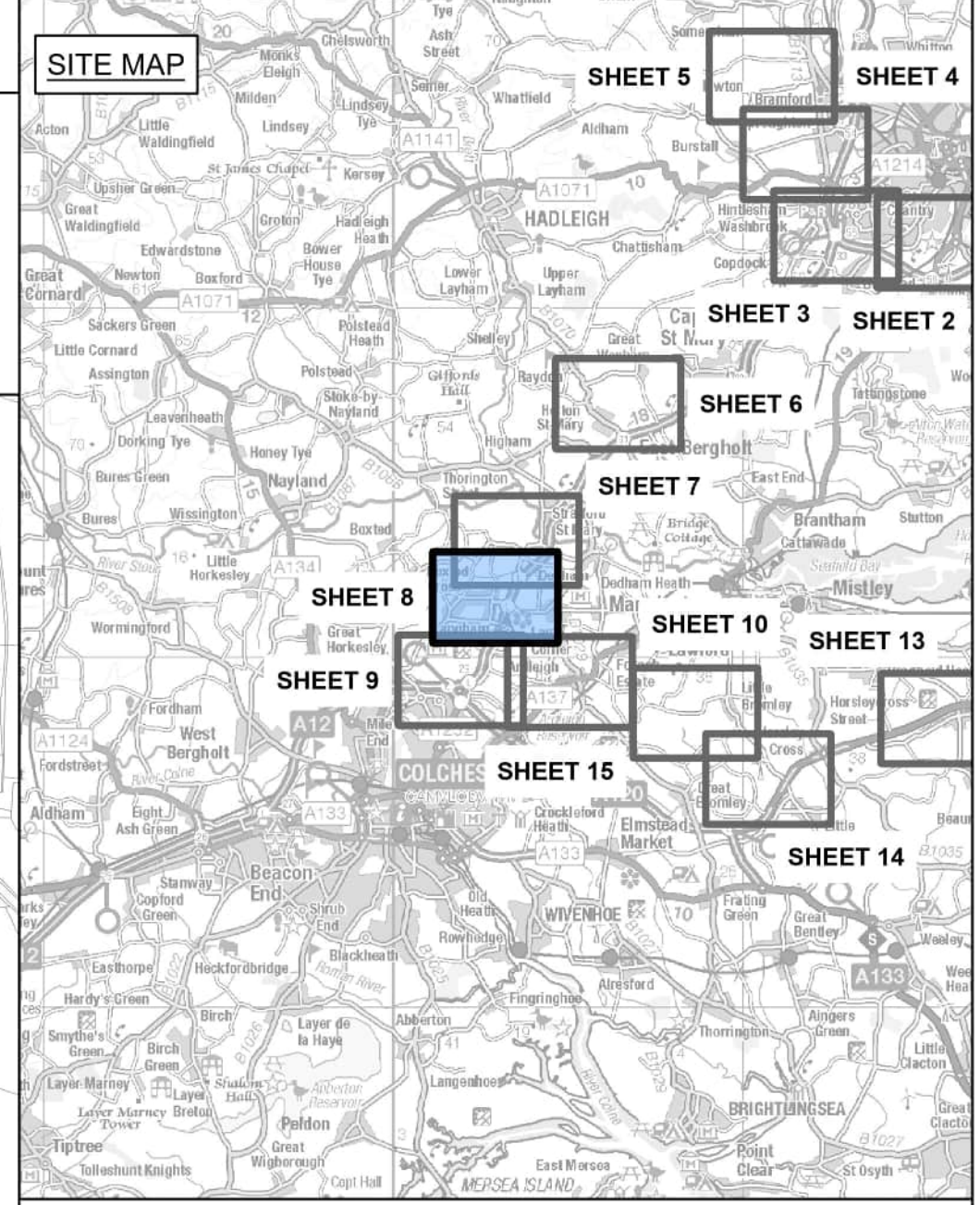
Construction Vehicles Travelling on Routes				
Route	Mobile Crane	Low Loader (HGV)	Low Loader (Cable Drum Delivery)	AIL-AL50 Girder
H13-AIL1			✓	
H13-AIL2			✓	
H14-A1		✓		
H14-AIL1			✓	
H14-AIL2			✓	
H16-AIL1			✓	
H16-AIL2			✓	
H17-AIL2			✓	✓
H19-AIL2			✓	
H25-AIL4			✓	





THE NATIONAL GRID  
(NORWICH TO TILBURY) ORDER  
INDICATIVE HIGHWAY MITIGATION PLANS  
SECTION C (SHEET 8 OF 15,  
COLCHESTER CITY COUNCIL)

Application Document 7.3.C



Design Specifications of Indicative Construction Vehicles



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  4. The plans show proposed mitigation measures on the Primary Access Routes and AIL Routes.
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Coordinate System: British National Grid  
Sheet X Centroid Coordinate: 602927E m Sheet Y Centroid Coordinate: 231709N m

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Title

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INDICATIVE HIGHWAY MITIGATION PLANS  
SECTION C (SHEET 8 OF 15,  
COLCHESTER CITY COUNCIL)

GENERAL ARRANGEMENT  
FOR INFORMATION ONLY

**nationalgrid**

PINS Application Number EN020027

National Grid Drawing Reference  
AENC-MMAC-ENG-DWG-0091.08

Scale 1:3,500 Sheet Size A0 Sheet SHEET 8 OF 15 Issue B

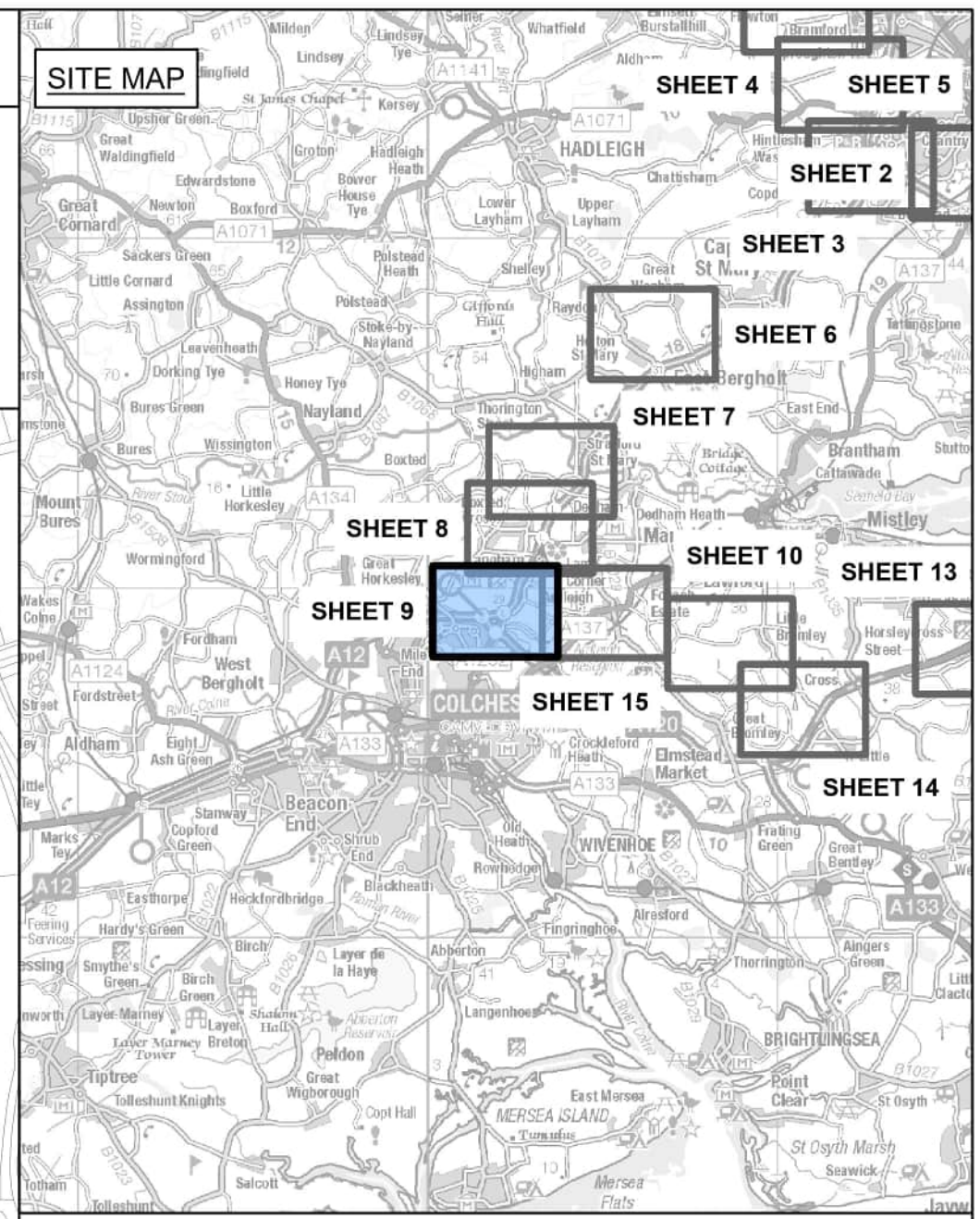
Constraint No.	Description	Suggested Mitigation
C29	Junction geometry of Grove Hill junction with Perry Lane identified to be of narrow width for design vehicle movements.	Temporary removal of street furniture to accommodate design vehicle movements. Appropriate traffic management to be provided in agreement with the Local Highway Authority.
C30	A12 exit slip road identified to be of narrow width for design vehicle movements.	Temporary removal of street furniture and island to accommodate design vehicle movements. Appropriate traffic management to be provided in agreement with the Local Highway Authority.

Route	Construction Vehicles Travelling on Routes			
	Mobile Crane	Low Loader (HGV)	Low Loader (Cable Drum Delivery)	AIL-AL50 Girder
H13-AIL1			✓	
H13-AIL2			✓	
H14-A1	✓			
H14-AIL1			✓	
H14-AIL2			✓	
H15-A1	✓			
H16-A1	✓			
H16-AIL1			✓	
H16-AIL2			✓	
H17-AIL2			✓	✓
H19-AIL2			✓	
H25-AIL4			✓	



THE NATIONAL GRID  
(NORWICH TO TILBURY) ORDER  
INDICATIVE HIGHWAY MITIGATION PLANS  
SECTION C (SHEET 9 OF 15,  
TENDRING DISTRICT COUNCIL)

Application Document 7.3.C



**Legend**

- Sheet match line
- Local authority boundary
- Order Limits
- Primary access route
- AIL access route
- Temporary works
- Vegetation removal / cutting back / temporary traffic regulation orders
- Modifications to existing highway features, including vegetation removal / cut back where required
- Work within the existing highway boundary, including vegetation removal / cut back where required
- Crossover point (bellmouth)
- Site access point (bellmouth)

**Design Specifications of Indicative Construction Vehicles**

Mobile Crane Liebherr LTM 1250-6-1	Low Loader HGV	AIL-AL50 Girder Delivery Vehicle	Low Loader (Cable Drum Delivery)
Overall Length 17.855m	Overall Length 16.633m	Overall Length 61.520m	Overall Length 25.440m
Overall Width 3.000m	Overall Width 2.500m	Overall Width 5.336m	Overall Width 4.500m
Overall Body Height 4.000m	Overall Body Height 3.396m	Overall Body Height 4.020m	Overall Body Height 5.000m
Track Width 3.000m	Max Track Width 2.500m	Max Track Width 3.000m	Max Track Width 2.500m
Kerb to Kerb Radius 11.624m	Kerb to Kerb Radius 6.790m	Kerb to Kerb Radius 11.550m	Kerb to Kerb Radius 14.500m

- Notes**
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Coordinate System: British National Grid  
Sheet X Centroid Coordinate: 601935E m Sheet Y Centroid Coordinate: 229328N m

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B	MAY-2026	For deadline four	KT	LC	DR
A	AUG-2025	For DCO submission	KT	DC	KR

Title  
THE NATIONAL GRID  
(NORWICH TO TILBURY) ORDER  
INDICATIVE HIGHWAY MITIGATION PLANS  
SECTION C (SHEET 9 OF 15,  
TENDRING DISTRICT COUNCIL)

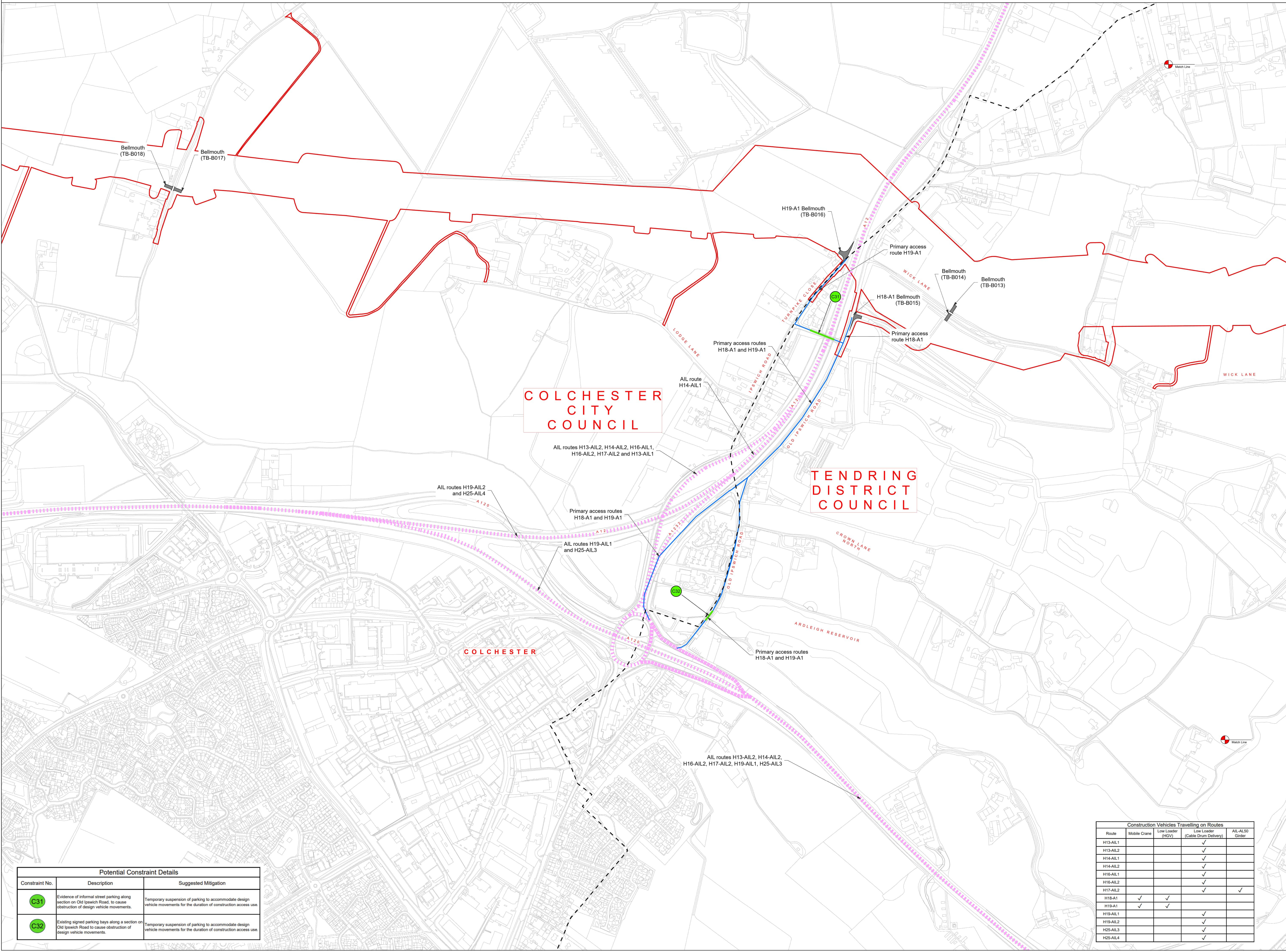
GENERAL ARRANGEMENT  
FOR INFORMATION ONLY

nationalgrid

PINS Application Number EN020027

National Grid Drawing Reference  
AENC-MMAC-ENG-DWG-0091.09

Scale 1:3,500 Sheet Size A0 Sheet SHEET 9 OF 15 Issue B



**Potential Constraint Details**

Constraint No.	Description	Suggested Mitigation
C31	Evidence of informal street parking along section on Old Ipswich Road, to cause obstruction of design vehicle movements.	Temporary suspension of parking to accommodate design vehicle movements for the duration of construction access use.
C32	Existing signed parking bays along a section on Old Ipswich Road to cause obstruction of design vehicle movements.	Temporary suspension of parking to accommodate design vehicle movements for the duration of construction access use.

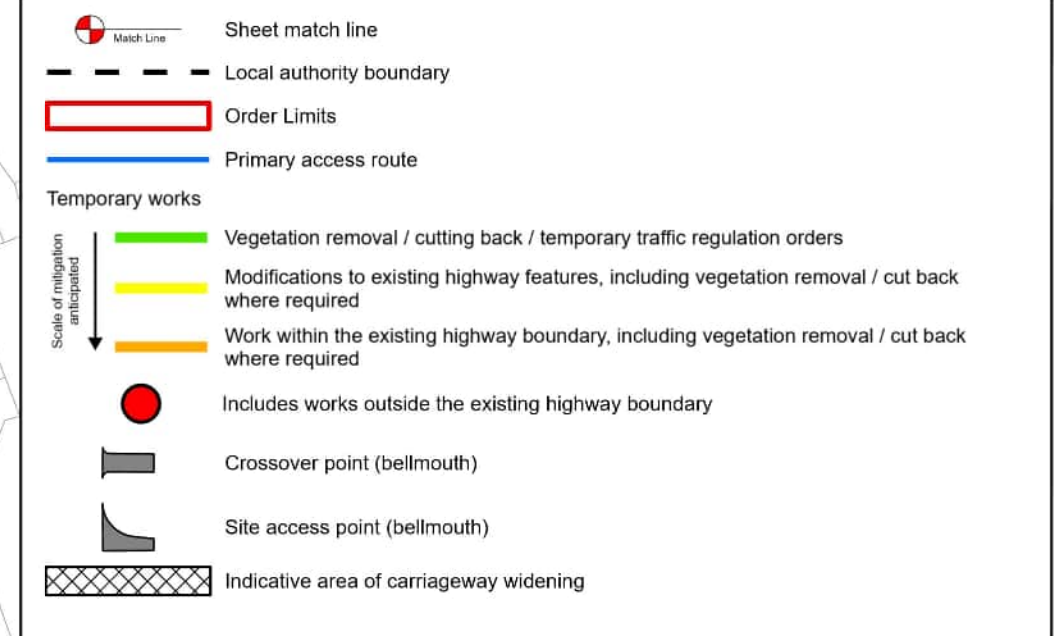
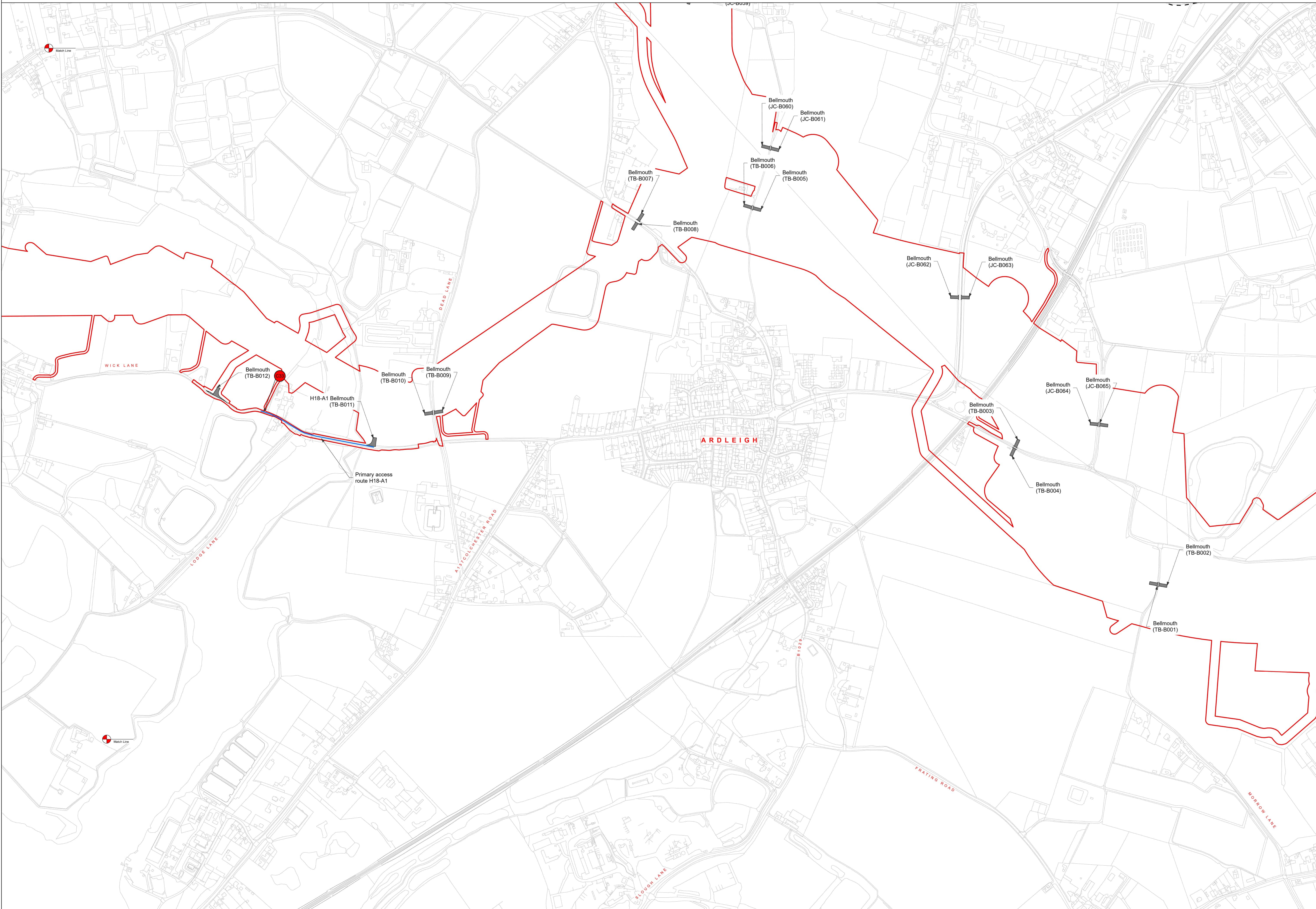
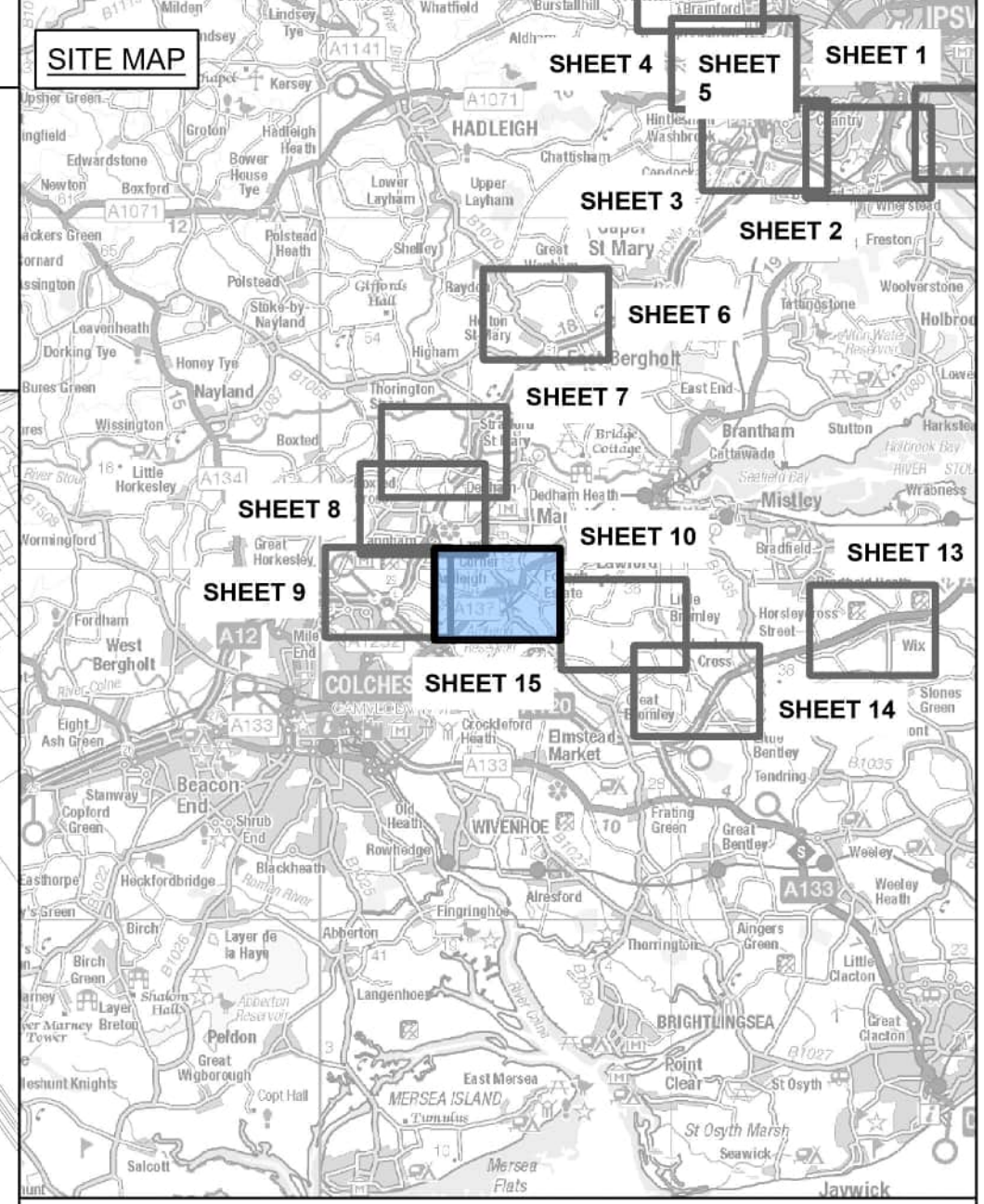
**Construction Vehicles Travelling on Routes**

Route	Mobile Crane	Low Loader (HGV)	Low Loader (Cable Drum Delivery)	AIL-AL50 Girder
H13-AIL1			✓	
H13-AIL2			✓	
H14-AIL1			✓	
H14-AIL2			✓	
H16-AIL1			✓	
H16-AIL2			✓	
H17-AIL2			✓	
H18-A1	✓	✓		
H19-A1	✓	✓		
H19-AIL1			✓	
H19-AIL2			✓	
H25-AIL3			✓	
H25-AIL4			✓	



THE NATIONAL GRID  
(NORWICH TO TILBURY) ORDER  
INDICATIVE HIGHWAY MITIGATION PLANS  
SECTION C (SHEET 10 OF 15,  
TENDRING DISTRICT COUNCIL)

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Design Specifications of Indicative Construction Vehicles

Mobile Crane Liebherr LTM 1250-6-1	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

- Notes**
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Coordinate System: British National Grid  
Sheet X Centroid Coordinate: 605656 m Sheet Y Centroid Coordinate: 226278 m

0 100 200 300 400 Metres

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Issue	Date	Remarks	Drawn	Checked	Approved
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A	AUG-2025	For DCO submission	KT	DC	KR

Title

THE NATIONAL GRID  
(NORWICH TO TILBURY) ORDER  
INDICATIVE HIGHWAY MITIGATION PLANS  
SECTION C (SHEET 10 OF 15,  
TENDRING DISTRICT COUNCIL)

GENERAL ARRANGEMENT  
FOR INFORMATION ONLY

nationalgrid

PINS Application Number EN020027

National Grid Drawing Reference  
AENC-MMAC-ENG-DWG-0091.10

Scale 1:3,500 Sheet Size A0 Sheet SHEET 10 OF 15 Issue B

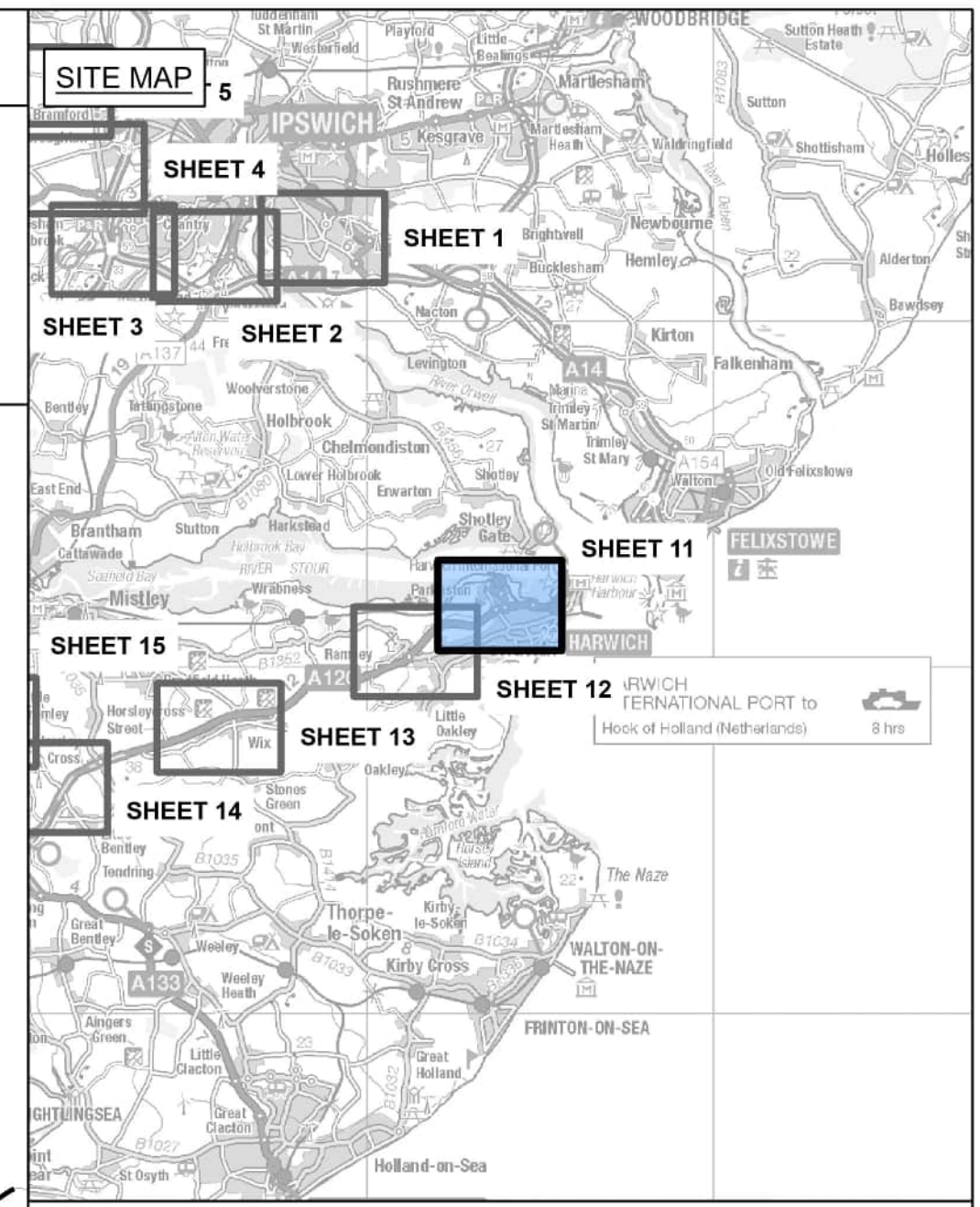
Potential Constraint Details		
Constraint No.	Description	Suggested Mitigation
C33	Section of Wick Lane identified as narrow width for design vehicle movements.	Passing places and temporary traffic management to be provided to manage design vehicle movements along Wick Lane. Appropriate traffic management to be provided in agreement with the Local Highway Authority.

Construction Vehicles Travelling on Routes				
Route	Mobile Crane	Low Loader (HGV)	Low Loader (Cable Drum Delivery)	All-AL50 Gider
H18-A1	✓	✓		

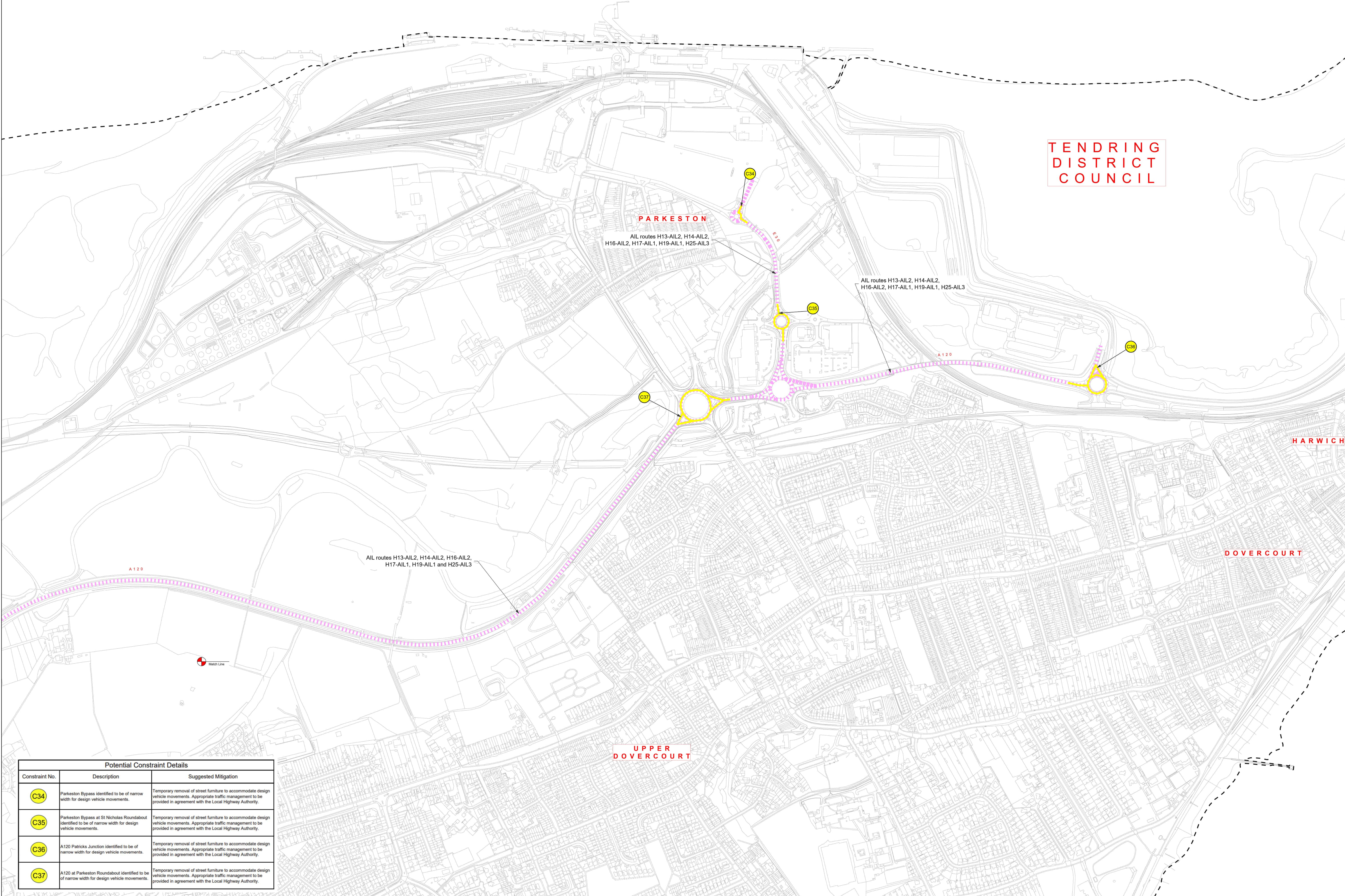


THE NATIONAL GRID  
(NORWICH TO TILBURY) ORDER  
INDICATIVE HIGHWAY MITIGATION PLANS  
SECTION C (SHEET 11 OF 15,  
TENDRING DISTRICT COUNCIL)

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Construction Vehicles Travelling on Routes				
Route	Mobile Crane	Low Loader (KDV)	Low Loader (Cable Drum Delivery)	AIL-AL50 Girder
H13-AIL2			✓	
H14-AIL2			✓	
H16-AIL2			✓	
H17-AIL1			✓	✓
H19-AIL1			✓	
H25-AIL3			✓	



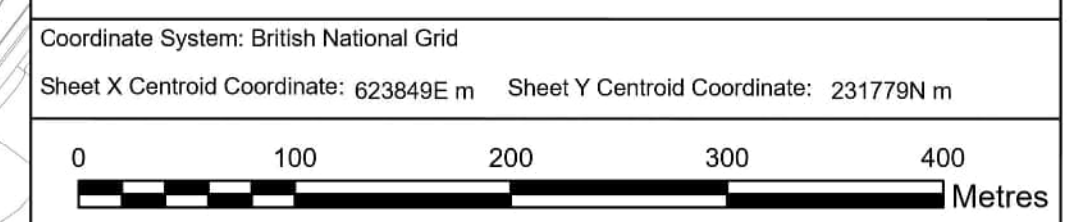
Legend:

- Sheet match line
- Local authority boundary
- AIL access route
- Temporary works:
  - Vegetation removal / cutting back / temporary traffic regulation orders
  - Modifications to existing highway features, including vegetation removal / cut back where required
  - Work within the existing highway boundary, including vegetation removal / cut back where required

Design Specifications of Indicative Construction Vehicles

Vehicle Type	Overall Length	Overall Width	Overall Body Height	Max Track Width	Kerb to Kerb Radius
AIL-AL50 Girder Delivery Vehicle	61.520m	5.320m	4.020m	3.000m	11.550m
Low Loader (Cable Drum Delivery)	25.440m	4.500m	5.000m	2.500m	14.500m

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SECTION C (SHEET 11 OF 15,  
TENDRING DISTRICT COUNCIL)

GENERAL ARRANGEMENT  
FOR INFORMATION ONLY

**nationalgrid**

PINS Application Number: EN020027

National Grid Drawing Reference: AENC-MMAC-ENG-DWG-0091.11

Scale: 1:3,500

Sheet Size: A0

Sheet: SHEET 11 OF 15

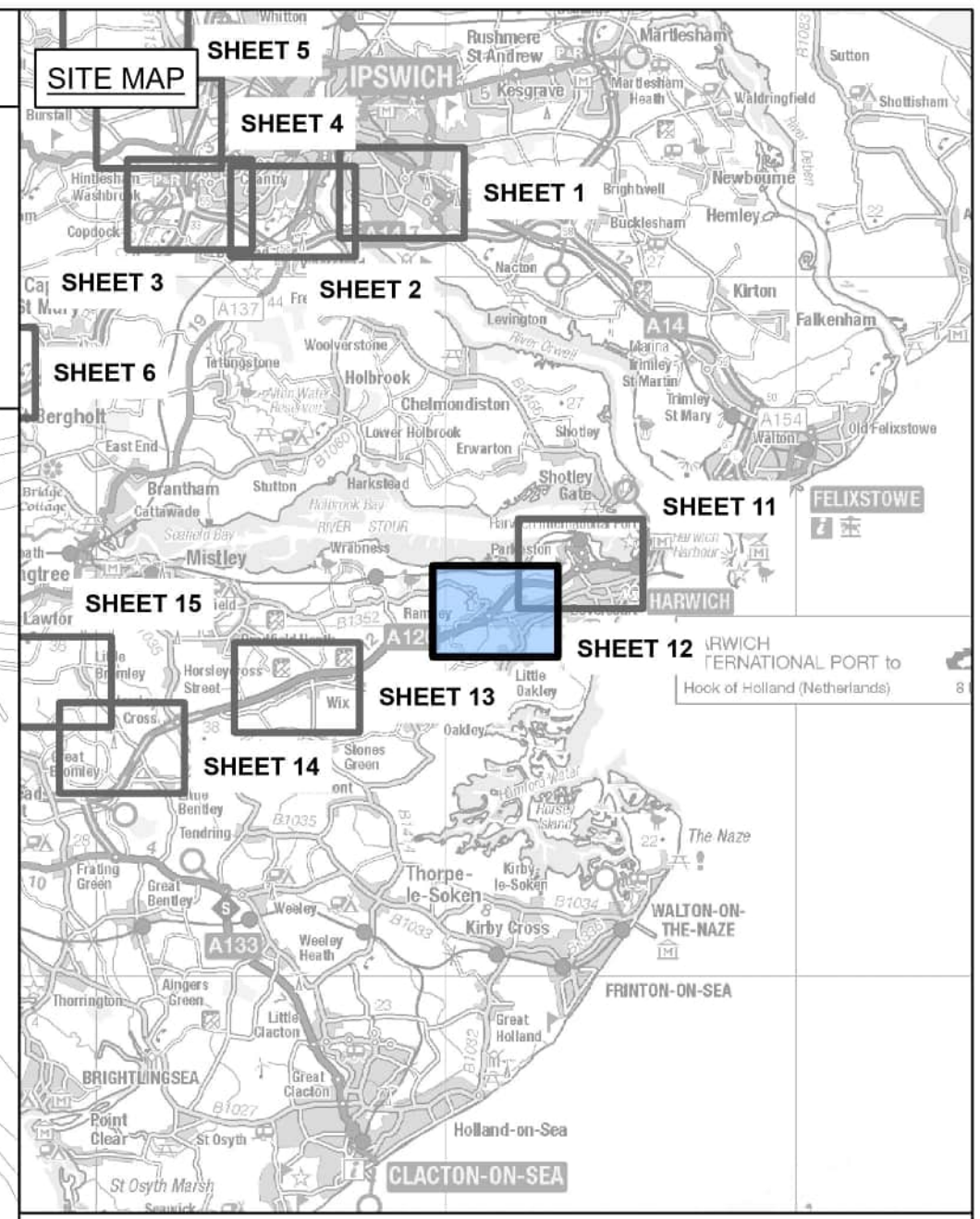
Issue: B

Potential Constraint Details		
Constraint No.	Description	Suggested Mitigation
C34	Parkeston Bypass identified to be of narrow width for design vehicle movements.	Temporary removal of street furniture to accommodate design vehicle movements. Appropriate traffic management to be provided in agreement with the Local Highway Authority.
C35	Parkeston Bypass at St Nicholas Roundabout identified to be of narrow width for design vehicle movements.	Temporary removal of street furniture to accommodate design vehicle movements. Appropriate traffic management to be provided in agreement with the Local Highway Authority.
C36	A120 Patricks Junction identified to be of narrow width for design vehicle movements.	Temporary removal of street furniture to accommodate design vehicle movements. Appropriate traffic management to be provided in agreement with the Local Highway Authority.
C37	A120 at Parkeston Roundabout identified to be of narrow width for design vehicle movements.	Temporary removal of street furniture to accommodate design vehicle movements. Appropriate traffic management to be provided in agreement with the Local Highway Authority.



THE NATIONAL GRID  
(NORWICH TO TILBURY) ORDER  
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SECTION C (SHEET 12 OF 15,  
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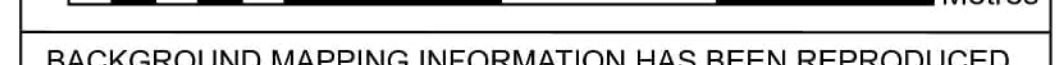
- Sheet match line
- AIL access route
- Temporary works
- Vegetation removal / cutting back / temporary traffic regulation orders
- Modifications to existing highway features, including vegetation removal / cut back where required
- Works within the existing highway boundary, including vegetation removal / cut back where required

Design Specifications of Indicative Construction Vehicles

Vehicle Type	Overall Length	Overall Width	Overall Body Height	Max Track Width	Kerb to Kerb Radius
AIL-AL50 Girder Delivery Vehicle	61.520m	5.330m	4.020m	3.000m	11.550m
Low Loader (Cable Drum Delivery)	25.440m	4.500m	5.000m	2.500m	14.500m

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Coordinate System: British National Grid  
Sheet X Centroid Coordinate: 621414E m Sheet Y Centroid Coordinate: 230423N m



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A	AUG-2025	For DCO submission	KT	DC	KR

THE NATIONAL GRID  
(NORWICH TO TILBURY) ORDER  
INDICATIVE HIGHWAY MITIGATION PLANS  
SECTION C (SHEET 12 OF 15,  
TENDRING DISTRICT COUNCIL)

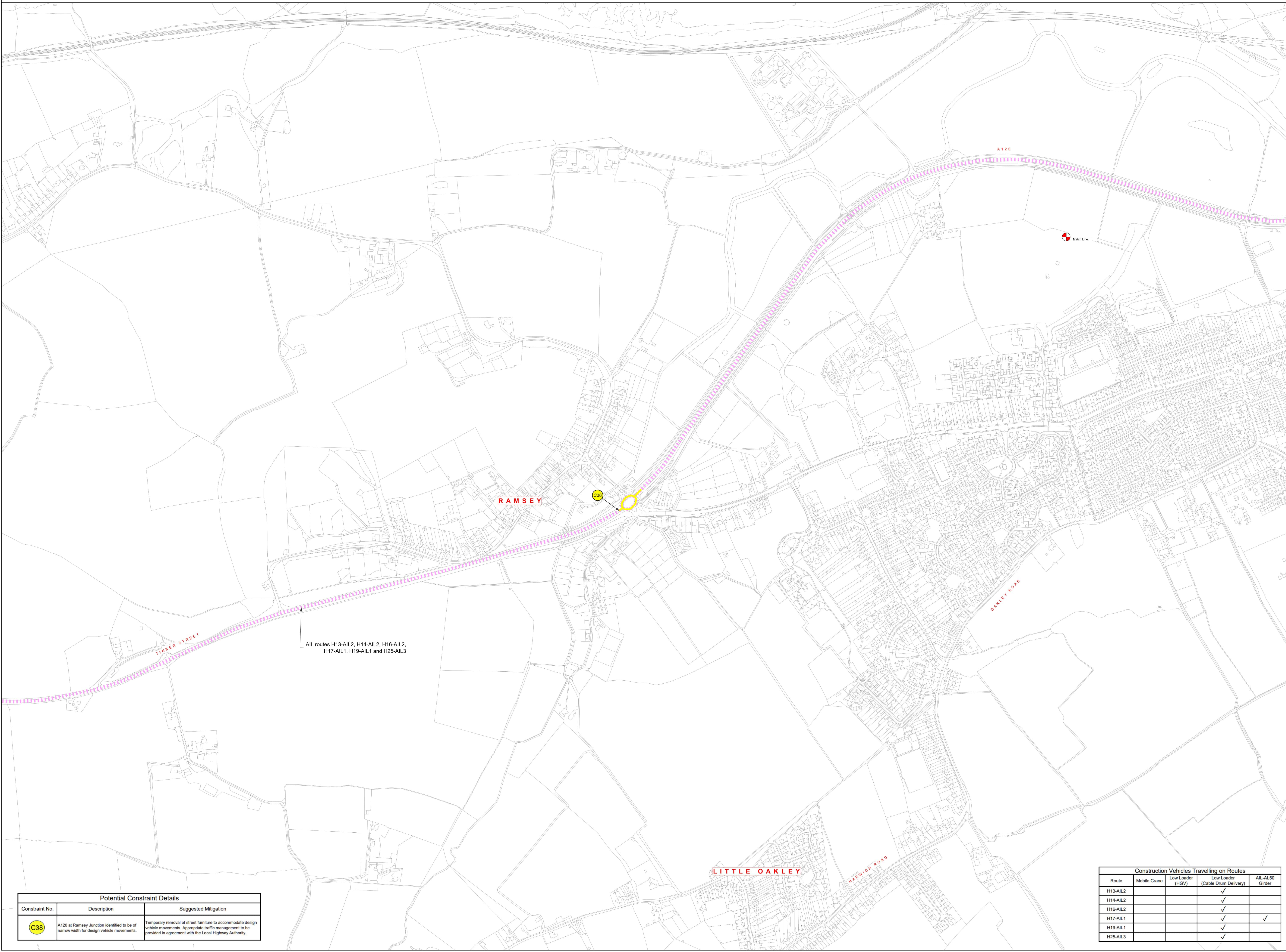
GENERAL ARRANGEMENT  
FOR INFORMATION ONLY



PINS Application Number EN020027

National Grid Drawing Reference  
AENC-MMAC-ENG-DWG-0091.12

Scale	Sheet Size	Sheet	Issue
1:3,500	A0	SHEET 12 OF 15	B



AIL routes H13-AIL2, H14-AIL2, H16-AIL2, H17-AIL1, H19-AIL1 and H25-AIL3

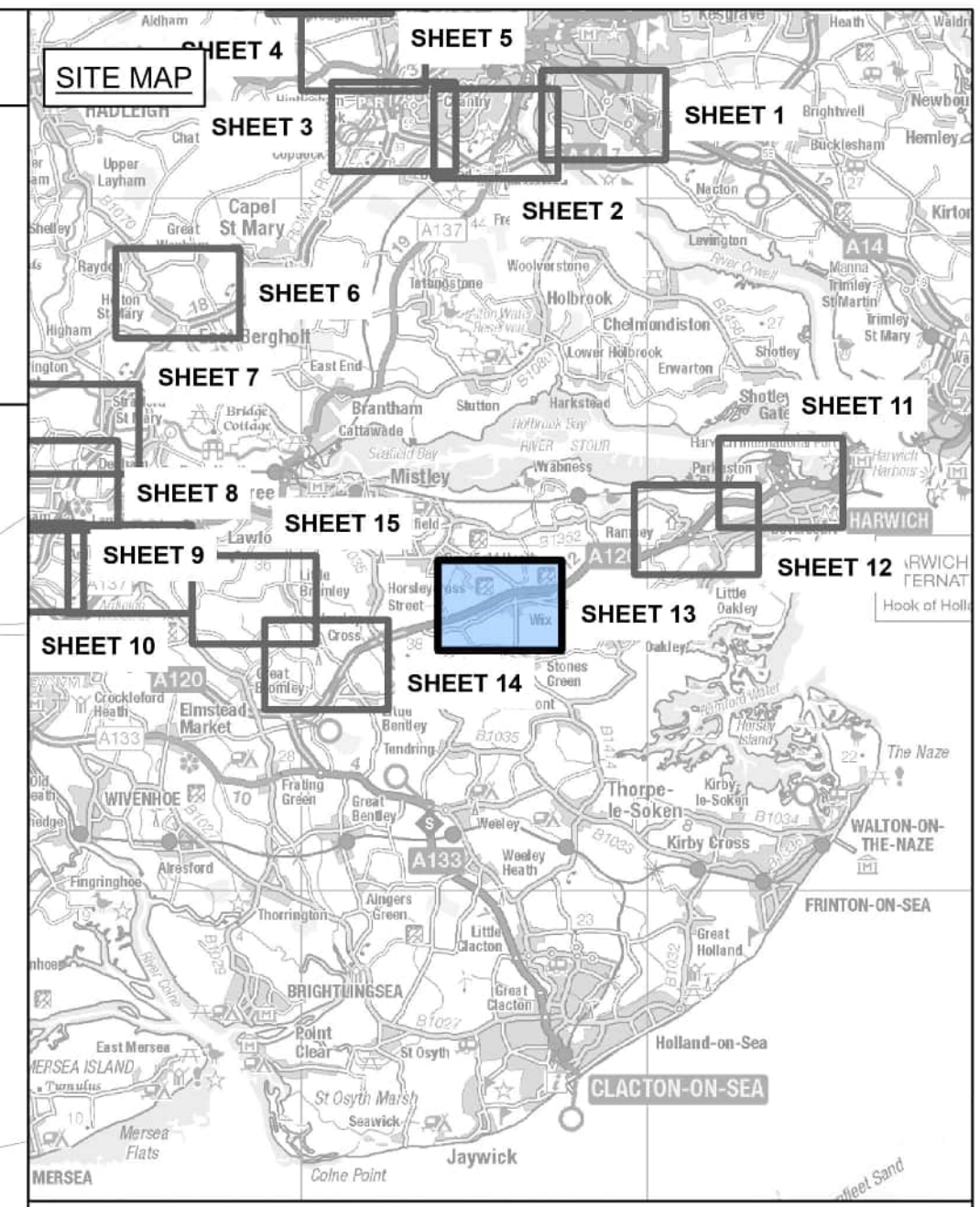
Potential Constraint Details		
Constraint No.	Description	Suggested Mitigation
C38	A120 at Ramsey Junction identified to be of narrow width for design vehicle movements.	Temporary removal of street furniture to accommodate design vehicle movements. Appropriate traffic management to be provided in agreement with the Local Highway Authority.

Construction Vehicles Travelling on Routes				
Route	Mobile Crane	Low Loader (HGV)	Low Loader (Cable Drum Delivery)	AIL-AL50 Girder
H13-AIL2			✓	
H14-AIL2			✓	
H16-AIL2			✓	
H17-AIL1			✓	✓
H19-AIL1			✓	
H25-AIL3			✓	

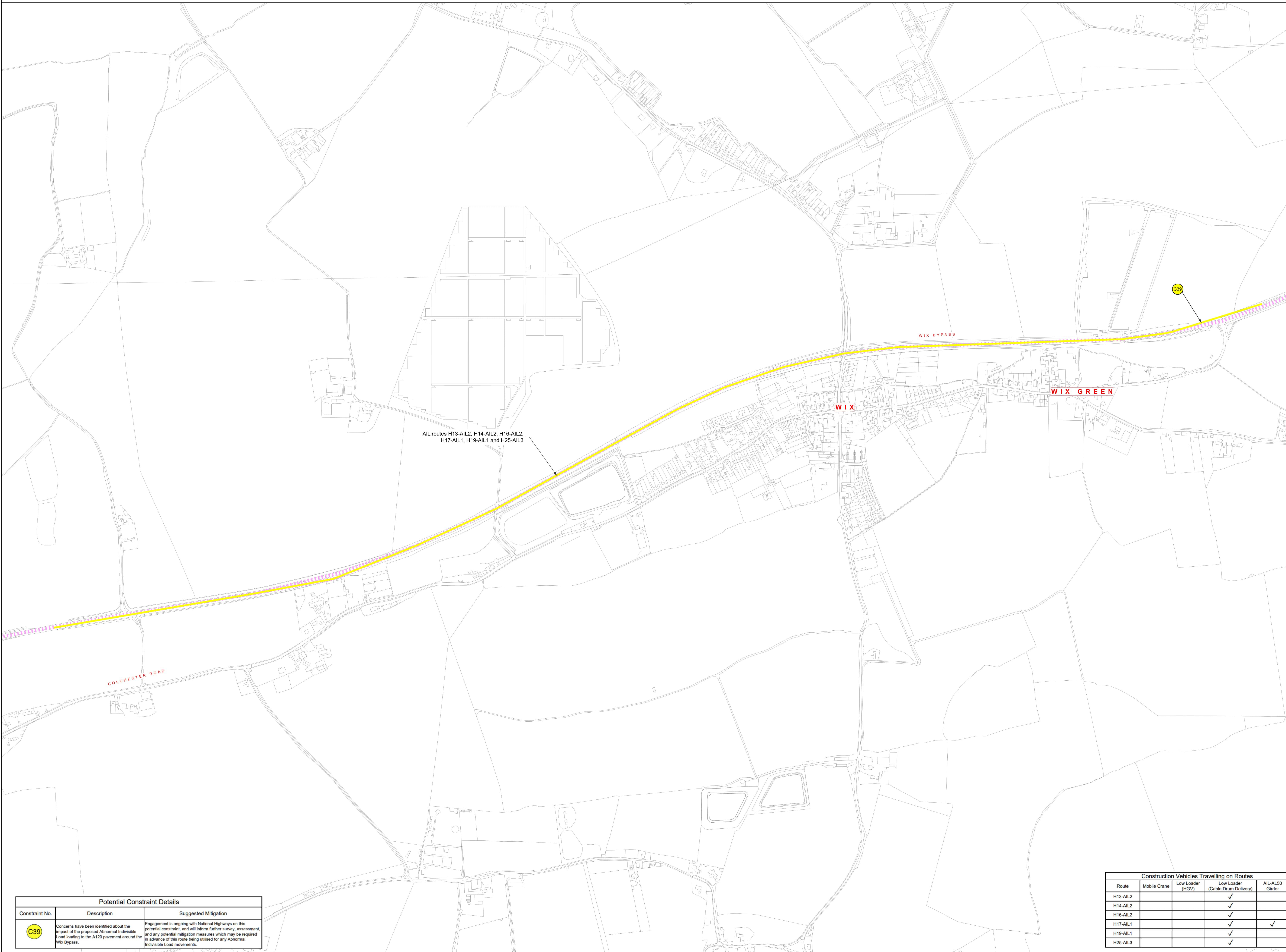


THE NATIONAL GRID  
(NORWICH TO TILBURY) ORDER  
INDICATIVE HIGHWAY MITIGATION PLANS  
SECTION C (SHEET 13 OF 15,  
TENDRING DISTRICT COUNCIL)

Application Document 7.3.C



- Legend for Temporary Works:
- AL access route
  - Vegetation removal / cutting back / temporary traffic regulation orders
  - Modifications to existing highway features, including vegetation removal / cut back where required
  - Work within the existing highway boundary, including vegetation removal / cut back where required



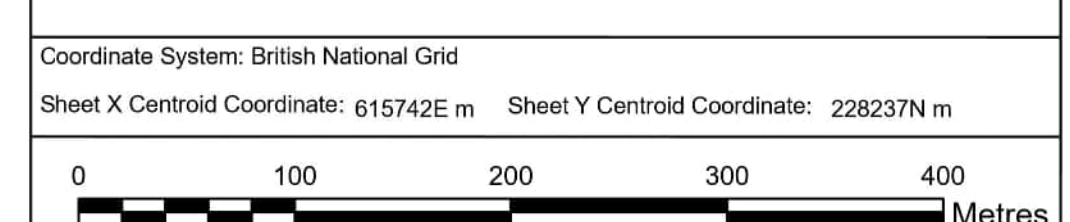
AIL routes H13-AIL2, H14-AIL2, H16-AIL2, H17-AIL1, H19-AIL1 and H25-AIL3

Design Specifications of Indicative Construction Vehicles



Vehicle Type	Overall Length	Overall Width	Overall Body Height	Max Track Width	Kerb to Kerb Radius
AIL-AL50 Girder Delivery Vehicle	61.520m	5.330m	4.020m	3.000m	11.550m
Low Loader (Cable Drum Delivery)	25.440m	4.500m	5.000m	2.500m	14.500m

- Notes
- These plans show the Order Limits and potential location for the works. 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 final alignment would lie.
  - The plans form an Appendix to, and should be read alongside, the Outline Construction Traffic Management Plan.
  - The proposed mitigation measures have been developed through engagement with the relevant local highways authorities and, where applicable, National Highways.
  - The plans show proposed mitigation measures on the Primary Access Routes and AIL Routes.
  - 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.



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Issue	Date	Remarks	Drawn	Checked	Approved
B	MAY-2026	For deadline four	KT	LC	DR
A	AUG-2025	For DCO submission	KT	DC	KR

Title  
THE NATIONAL GRID  
(NORWICH TO TILBURY) ORDER  
INDICATIVE HIGHWAY MITIGATION PLANS  
SECTION C (SHEET 13 OF 15,  
TENDRING DISTRICT COUNCIL)

GENERAL ARRANGEMENT  
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PINS Application Number EN020027  
National Grid Drawing Reference AENC-MMAC-ENG-DWG-0091.13

Scale	Sheet Size	Sheet	Issue
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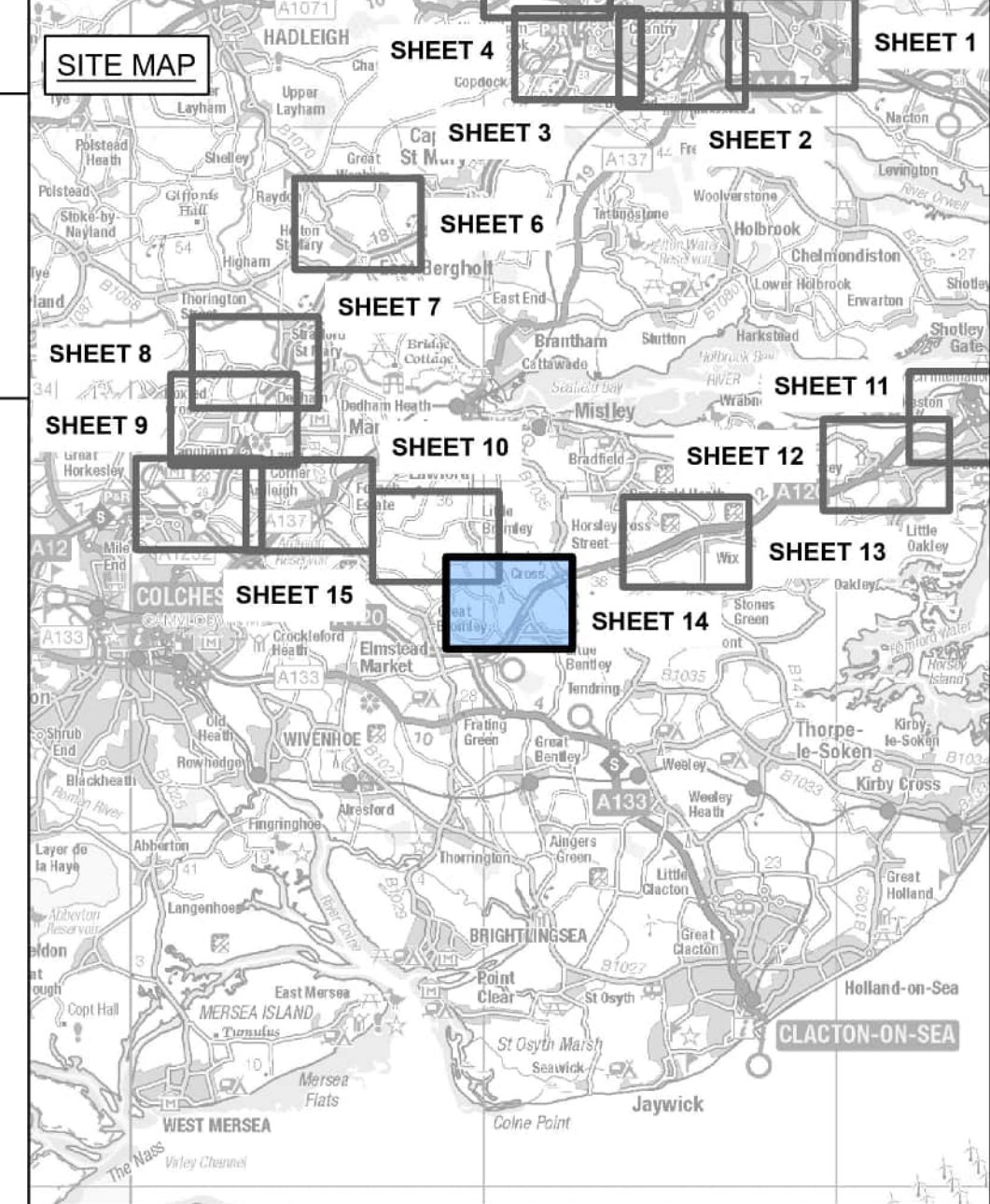
Construction Vehicles Travelling on Routes				
Route	Mobile Crane	Low Loader (HGV)	Low Loader (Cable Drum Delivery)	AIL-AL50 Girder
H13-AIL2			✓	
H14-AIL2			✓	
H16-AIL2			✓	
H17-AIL1			✓	✓
H19-AIL1			✓	
H25-AIL3			✓	

Potential Constraint Details		
Constraint No.	Description	Suggested Mitigation
C39	Concerns have been identified about the impact of the proposed Abnormal Indivisible Load loading to the A120 pavement around the Wix Bypass.	Engagement is ongoing with National Highways on this potential constraint, and will inform further survey, assessment, and any potential mitigation measures which may be required in advance of this route being utilised for any Abnormal Indivisible Load movements.

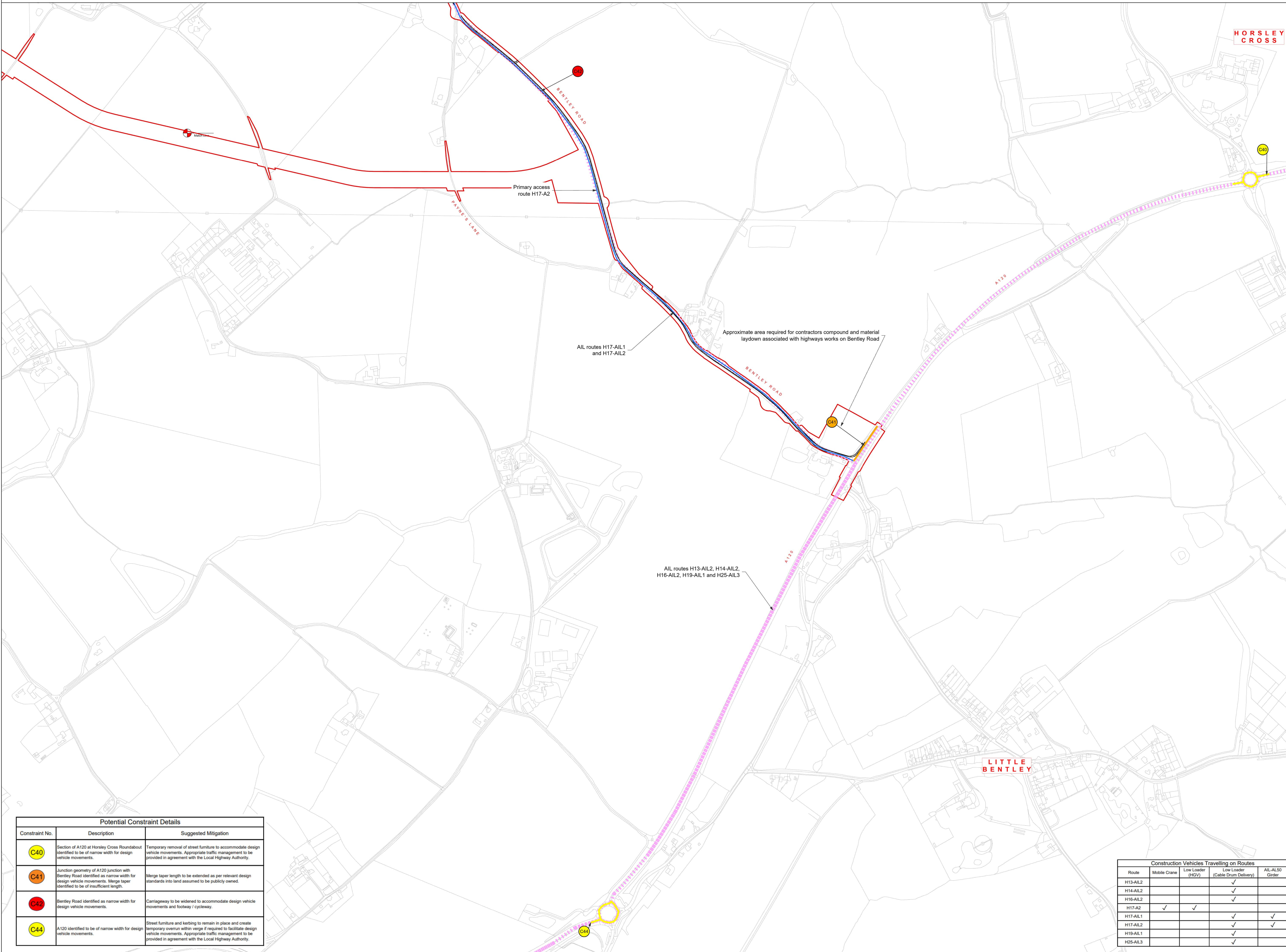


THE NATIONAL GRID  
(NORWICH TO TILBURY) ORDER  
INDICATIVE HIGHWAY MITIGATION PLANS  
SECTION C (SHEET 14 OF 15,  
TENDRING DISTRICT COUNCIL)

Application Document 7.3.C



- Sheet match line
- Order Limits
- Primary access route
- AIL access route
- Temporary works
  - Vegetation removal / cutting back / temporary traffic regulation orders
  - Modifications to existing highway features, including vegetation removal / cut back where required
  - Work within the existing highway boundary, including vegetation removal / cut back where required
  - Includes works outside the existing highway boundary
- Indicative area of carriageway widening



Design Specifications of Indicative Construction Vehicles

Mobile Crane Liebherr LTM 1250-6-1	Low Loader HGV
Overall Length 17.855m	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
AIL-AL50 Girder Delivery Vehicle	Low Loader (Cable Drum Delivery)
Overall Length 61.520m	Overall Length 25.440m
Overall Width 5.336m	Overall Width 4.500m
Overall Body Height 4.020m	Overall Body Height 5.000m
Max Track Width 3.000m	Max Track Width 2.500m
Kerb to Kerb Radius 11.550m	Kerb to Kerb Radius 14.500m

- Notes**
- These plans show the Order Limits and potential location for the works. 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 final alignment would lie.
  - The plans form an Appendix to, and should be read alongside, the Outline Construction Traffic Management Plan.
  - The proposed mitigation measures have been developed through engagement with the relevant local highways authorities and, where applicable, National Highways.
  - The plans show proposed mitigation measures on the Primary Access Routes and AIL Routes.
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Coordinate System: British National Grid  
Sheet X Centroid Coordinate: 610732E m Sheet Y Centroid Coordinate: 226514N m

0 100 200 300 400 Metres

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B	MAY-2026	For deadline four	KT	LC	DR
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GENERAL ARRANGEMENT  
FOR INFORMATION ONLY

nationalgrid

PINS Application Number EN020027

National Grid Drawing Reference  
AENC-MMAC-ENG-DWG-0091.14

Scale	Sheet Size	Sheet	Issue
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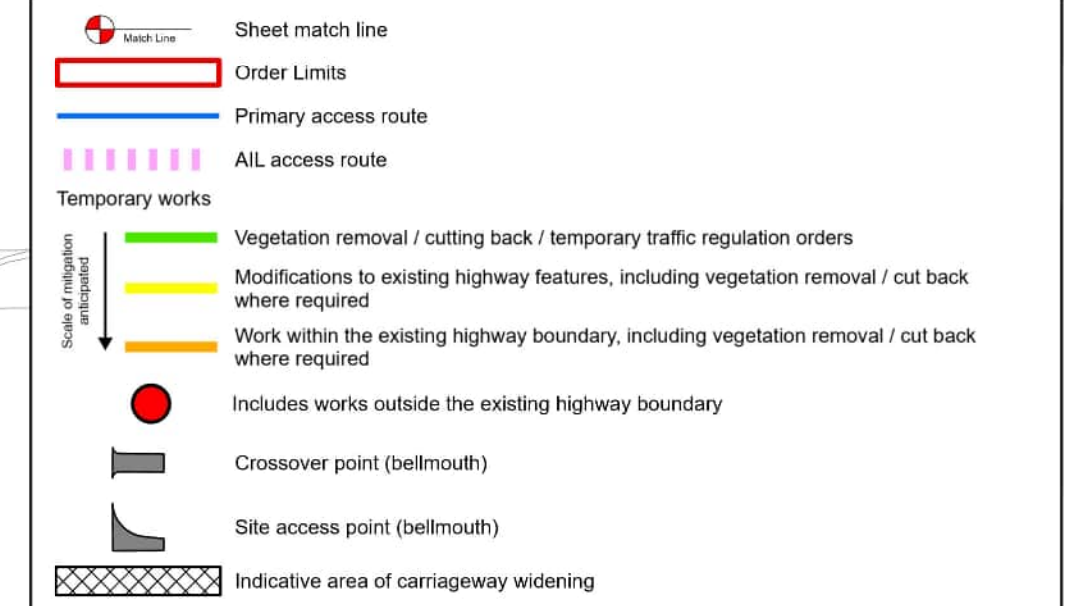
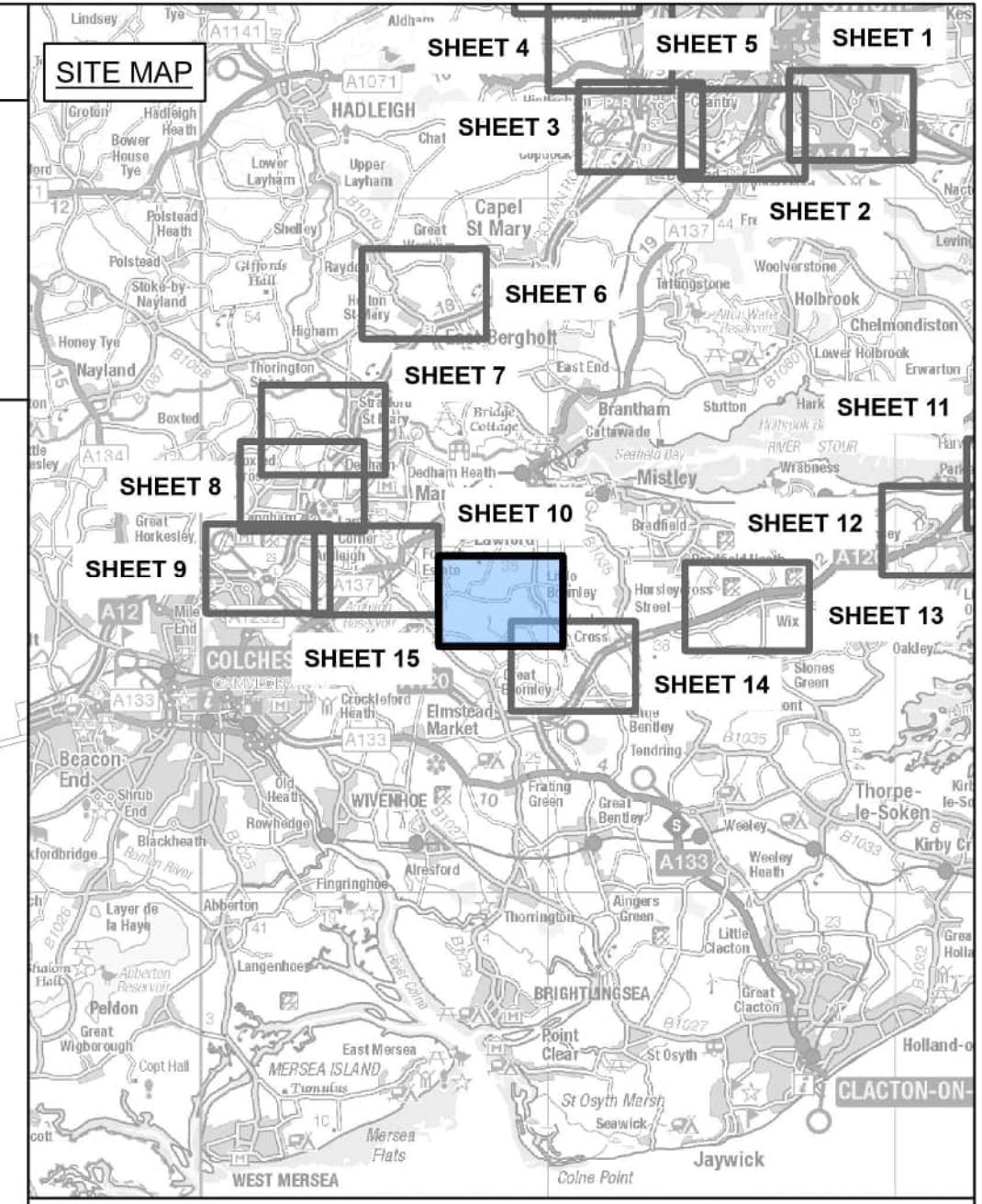
Potential Constraint Details		
Constraint No.	Description	Suggested Mitigation
C40	Section of A120 at Horsley Cross Roundabout identified to be of narrow width for design vehicle movements.	Temporary removal of street furniture to accommodate design vehicle movements. Appropriate traffic management to be provided in agreement with the Local Highway Authority.
C41	Junction geometry of A120 junction with Bentley Road identified as narrow width for design vehicle movements. Merge taper identified to be of insufficient length.	Merge taper length to be extended as per relevant design standards into land assumed to be publicly owned.
C42	Bentley Road identified as narrow width for design vehicle movements.	Carriageway to be widened to accommodate design vehicle movements and footway / cycleway.
C44	A120 identified to be of narrow width for design vehicle movements.	Street furniture and kerbing to remain in place and create temporary overrun within verge if required to facilitate design vehicle movements. Appropriate traffic management to be provided in agreement with the Local Highway Authority.

Route	Construction Vehicles Travelling on Routes			
	Mobile Crane	Low Loader (HGV)	Low Loader (Cable Drum Delivery)	AIL-AL50 Girder
H13-AIL2			✓	
H14-AIL2			✓	
H16-AIL2			✓	
H17-A2	✓	✓		
H17-AIL1			✓	✓
H17-AIL2			✓	✓
H19-AIL1			✓	
H25-AIL3			✓	



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Application Document 7.3.C

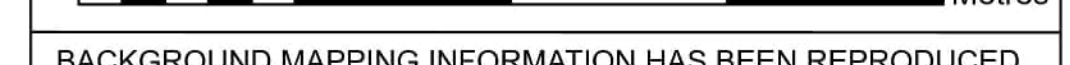


Design Specifications of Indicative Construction Vehicles

Mobile Crane Liebherr LTM 1250-6-1	Low Loader HGV	
Overall Length 17.850m	Overall Length 16.633m	
Overall Width 3.000m	Overall Width 2.500m	
Overall Body Height 4.000m	Overall Body Height 3.398m	
Track Width 3.000m	Max Track Width 2.500m	
Kerb to Kerb Radius 11.624m	Kerb to Kerb Radius 6.790m	
AIL-AL50 Girder Delivery Vehicle	Low Loader (Cable Drum Delivery)	
Overall Length 81.520m	Overall Length 25.440m	
Overall Width 5.336m	Overall Width 4.500m	
Overall Body Height 4.020m	Overall Body Height 5.000m	
Max Track Width 3.000m	Max Track Width 2.500m	
Kerb to Kerb Radius 11.550m	Kerb to Kerb Radius 14.500m	

- Notes**
1. These plans show the Order Limits and potential location for the works. 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 final alignment would lie.
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Coordinate System: British National Grid  
Sheet X Centroid Coordinate: 608649E m Sheet Y Centroid Coordinate: 228307N m



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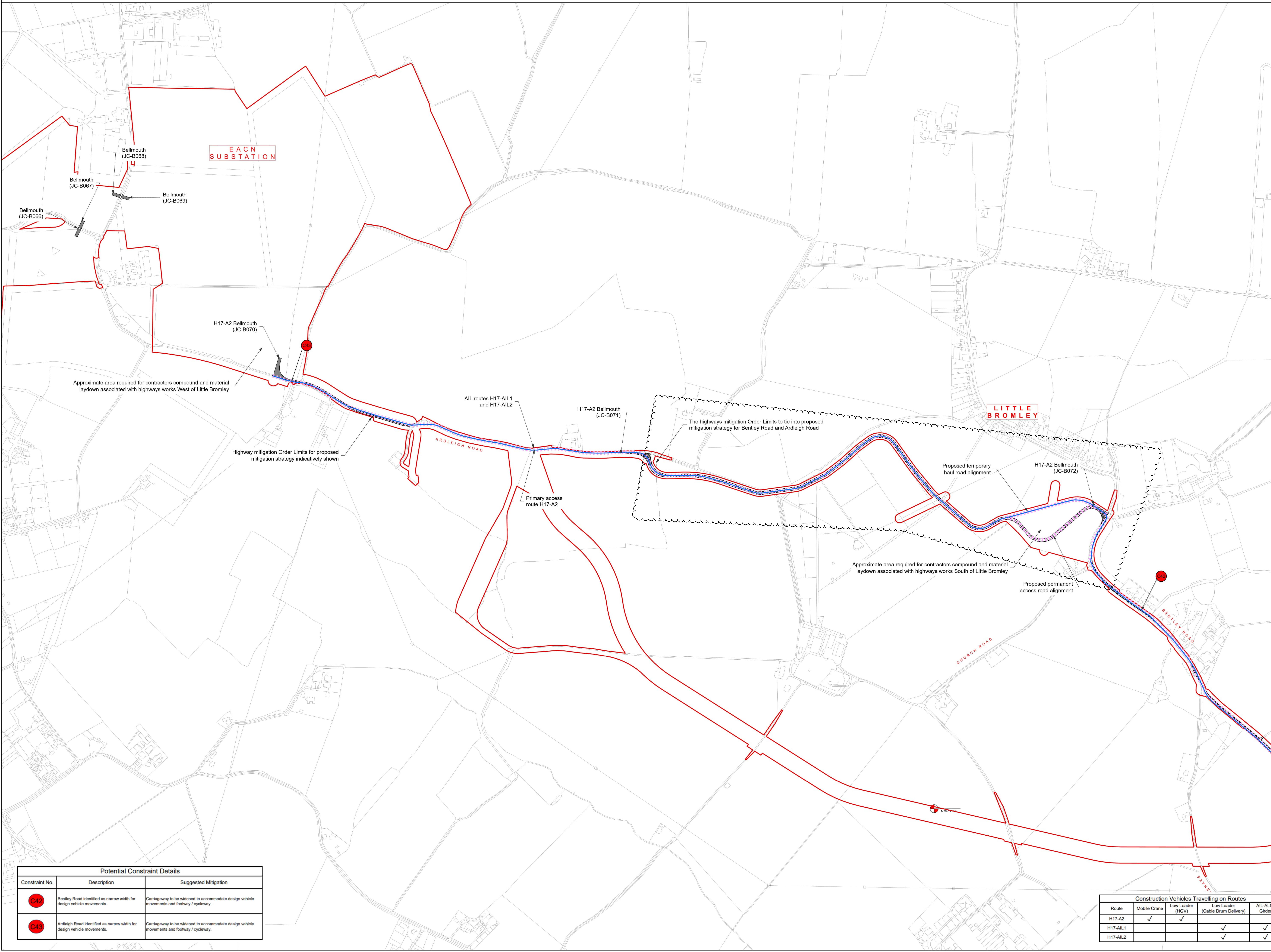
GENERAL ARRANGEMENT  
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nationalgrid

PINS Application Number EN020027

National Grid Drawing Reference  
AENC-MMAC-ENG-DWG-0091.15

Scale	Sheet Size	Sheet	Issue
1:3,500	A0	SHEET 15 OF 15	B



Constraint No.	Description	Suggested Mitigation
C42	Bentley Road identified as narrow width for design vehicle movements.	Carriageway to be widened to accommodate design vehicle movements and footway / cycleway.
C43	Ardleigh Road identified as narrow width for design vehicle movements.	Carriageway to be widened to accommodate design vehicle movements and footway / cycleway.

Construction Vehicles Travelling on Routes				
Route	Mobile Crane	Low Loader (HGV)	Low Loader (Cable Drum Delivery)	AIL-AL50 Girder
H17-A2	✓	✓		✓
H17-A1L1			✓	✓
H17-A1L2			✓	✓

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Registered in England and Wales  
No. 4031152  
[nationalgrid.com](http://nationalgrid.com)