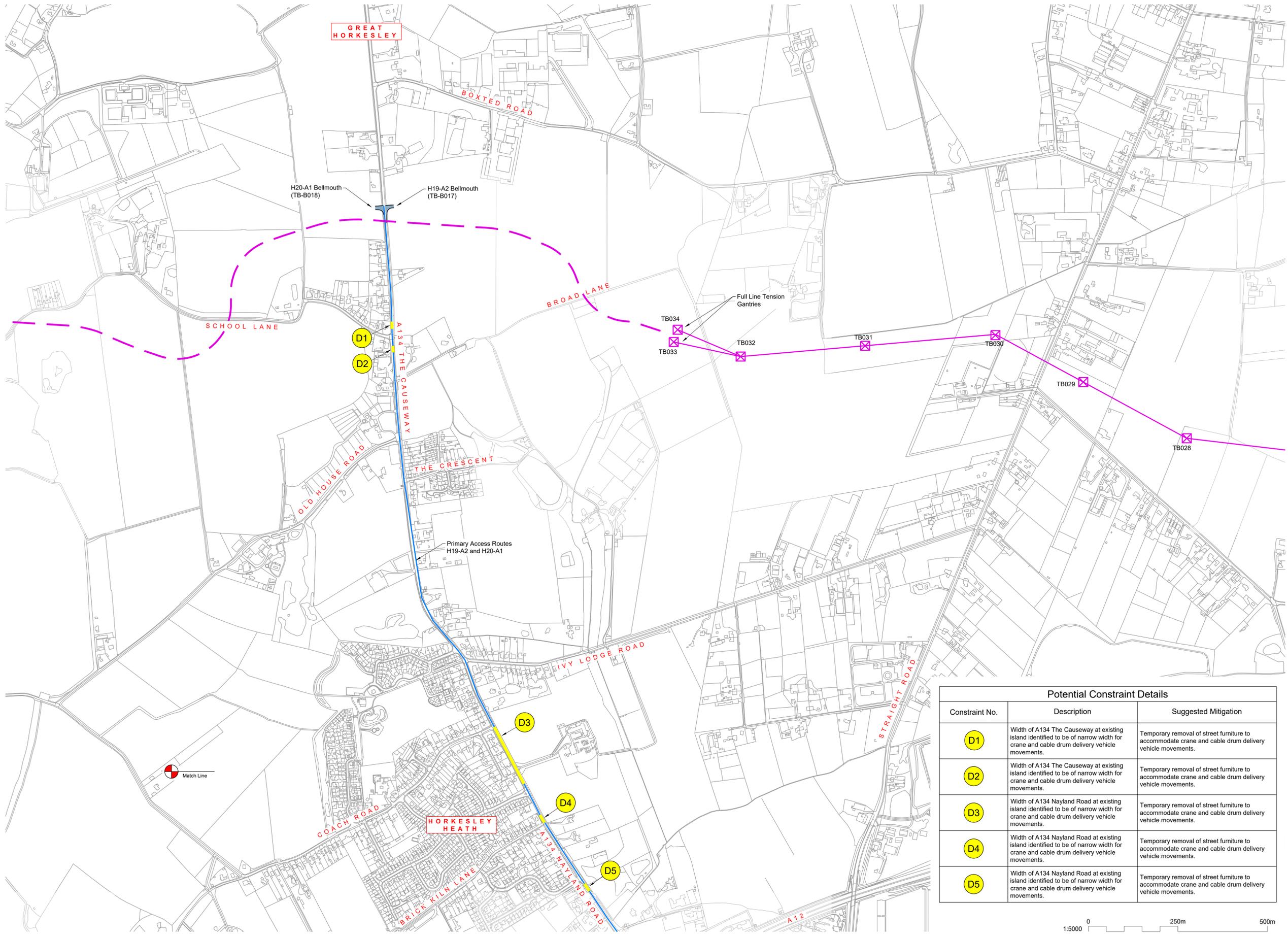


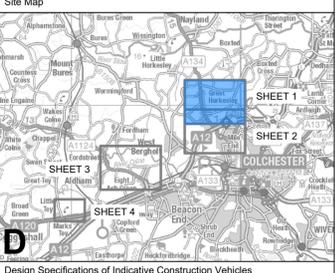


NATIONAL GRID
(NORWICH TO TILBURY)
S.42 CONSULTATION CONSTRUCTION ACCESS PLAN
SECTION D (SHEET 1 OF 4,
COLCHESTER CITY COUNCIL)



- Notes
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 - 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 Route, 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 constraint.
 - Constraints and mitigations do not include works associated with Bellmouth junctions, 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 6.790m	

Drawing References (Section D)

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

Coordinate System: British National Grid
Sheet X Centroid Coordinate: 598480 Sheet Y Centroid Coordinate: 230182

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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 D (SHEET 1 OF 4,
COLCHESTER CITY COUNCIL)

PRIMARY ACCESS ROUTES H19-A2 AND H20-A1
GENERAL ARRANGEMENT

Application Number

National Grid Drawing Reference

AENC-NG-ENG-PLN-0025

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

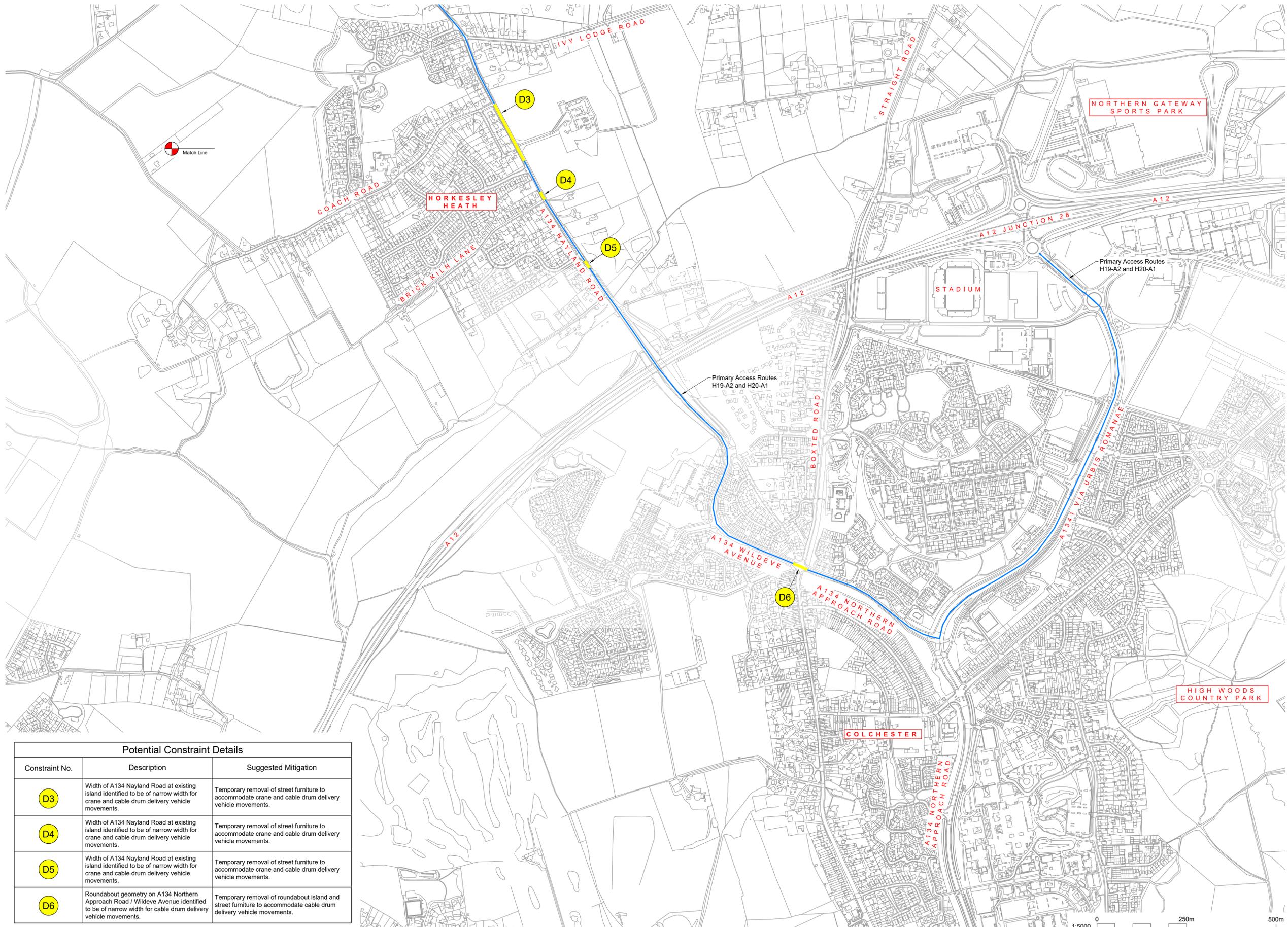
Potential Constraint Details

Constraint No.	Description	Suggested Mitigation
D1	Width of A134 The Causeway at existing island identified to be of narrow width for crane and cable drum delivery vehicle movements.	Temporary removal of street furniture to accommodate crane and cable drum delivery vehicle movements.
D2	Width of A134 The Causeway at existing island identified to be of narrow width for crane and cable drum delivery vehicle movements.	Temporary removal of street furniture to accommodate crane and cable drum delivery vehicle movements.
D3	Width of A134 Nayland Road at existing island identified to be of narrow width for crane and cable drum delivery vehicle movements.	Temporary removal of street furniture to accommodate crane and cable drum delivery vehicle movements.
D4	Width of A134 Nayland Road at existing island identified to be of narrow width for crane and cable drum delivery vehicle movements.	Temporary removal of street furniture to accommodate crane and cable drum delivery vehicle movements.
D5	Width of A134 Nayland Road at existing island identified to be of narrow width for crane and cable drum delivery vehicle movements.	Temporary removal of street furniture to accommodate crane and cable drum delivery vehicle movements.





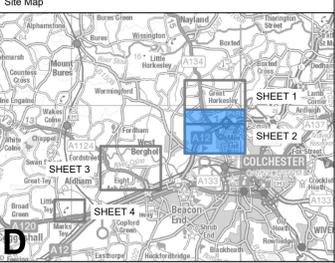
NATIONAL GRID
(NORWICH TO TILBURY)
S.42 CONSULTATION CONSTRUCTION ACCESS PLAN
SECTION D (SHEET 2 OF 4,
COLCHESTER CITY COUNCIL)



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 - Locations of overhead line infrastructure crossing the Primary Access Route, 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 constraint.
 - 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 (ALL 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

- Match Line
- 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 3.390m	
Max Track Width 2.500m	
Kerb to Kerb Radius 6.790m	

Drawing References (Section D)

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

Coordinate System: British National Grid
Sheet X Centroid Coordinate: 598480 Sheet Y Centroid Coordinate: 228446

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

Potential Constraint Details		
Constraint No.	Description	Suggested Mitigation
D3	Width of A134 Nayland Road at existing island identified to be of narrow width for crane and cable drum delivery vehicle movements.	Temporary removal of street furniture to accommodate crane and cable drum delivery vehicle movements.
D4	Width of A134 Nayland Road at existing island identified to be of narrow width for crane and cable drum delivery vehicle movements.	Temporary removal of street furniture to accommodate crane and cable drum delivery vehicle movements.
D5	Width of A134 Nayland Road at existing island identified to be of narrow width for crane and cable drum delivery vehicle movements.	Temporary removal of street furniture to accommodate crane and cable drum delivery vehicle movements.
D6	Roundabout geometry on A134 Northern Approach Road / Wildeve Avenue identified to be of narrow width for cable drum delivery vehicle movements.	Temporary removal of roundabout island and street furniture to accommodate cable drum delivery vehicle movements.

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 D (SHEET 2 OF 4,
COLCHESTER CITY COUNCIL)

PRIMARY ACCESS ROUTES H19-A2 AND H20-A1
GENERAL ARRANGEMENT

Application Number

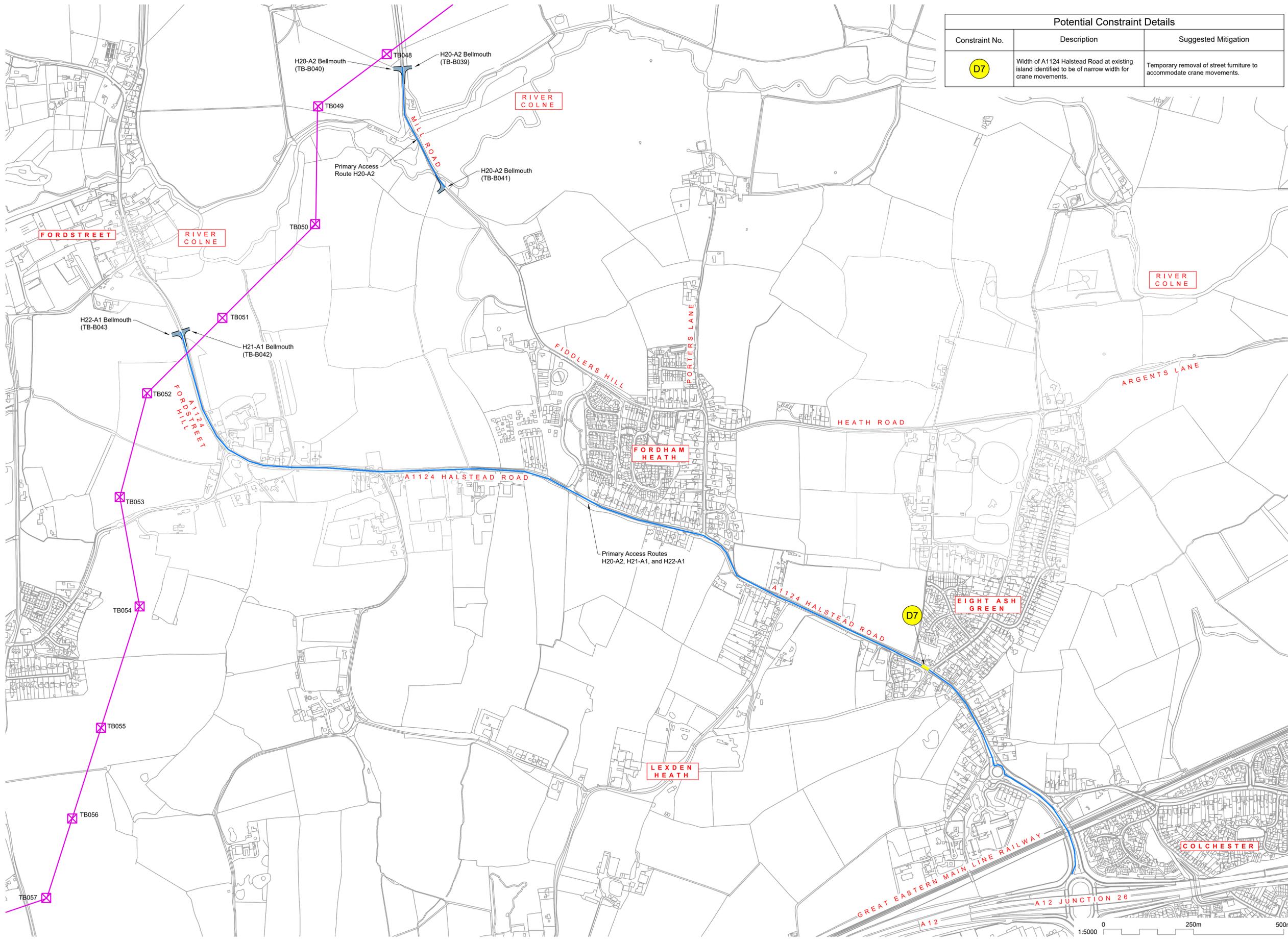
National Grid Drawing Reference

Scale	Sheet Size	Sheet	Issue
1:5000	A1	SHEET 2 OF 4	A

AENC-NG-ENG-PLN-0025



**NATIONAL GRID
(NORWICH TO TILBURY)
S.42 CONSULTATION CONSTRUCTION ACCESS PLAN
SECTION D (SHEET 3 OF 4,
COLCHESTER CITY COUNCIL)**

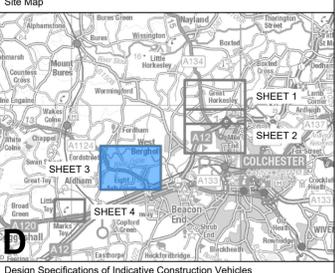


Potential Constraint Details		
Constraint No.	Description	Suggested Mitigation
D7	Width of A1124 Halstead Road at existing island identified to be of narrow width for crane movements.	Temporary removal of street furniture to accommodate crane movements.

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 - 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 constraint.
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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 HGV
Overall Length	17.835m	16.633m
Overall Width	3.000m	2.500m
Overall Body Height	4.000m	3.396m
Track Width	3.000m	2.500m
Kerb to Kerb Radius	11.624m	6.790m

Drawing References (Section D)

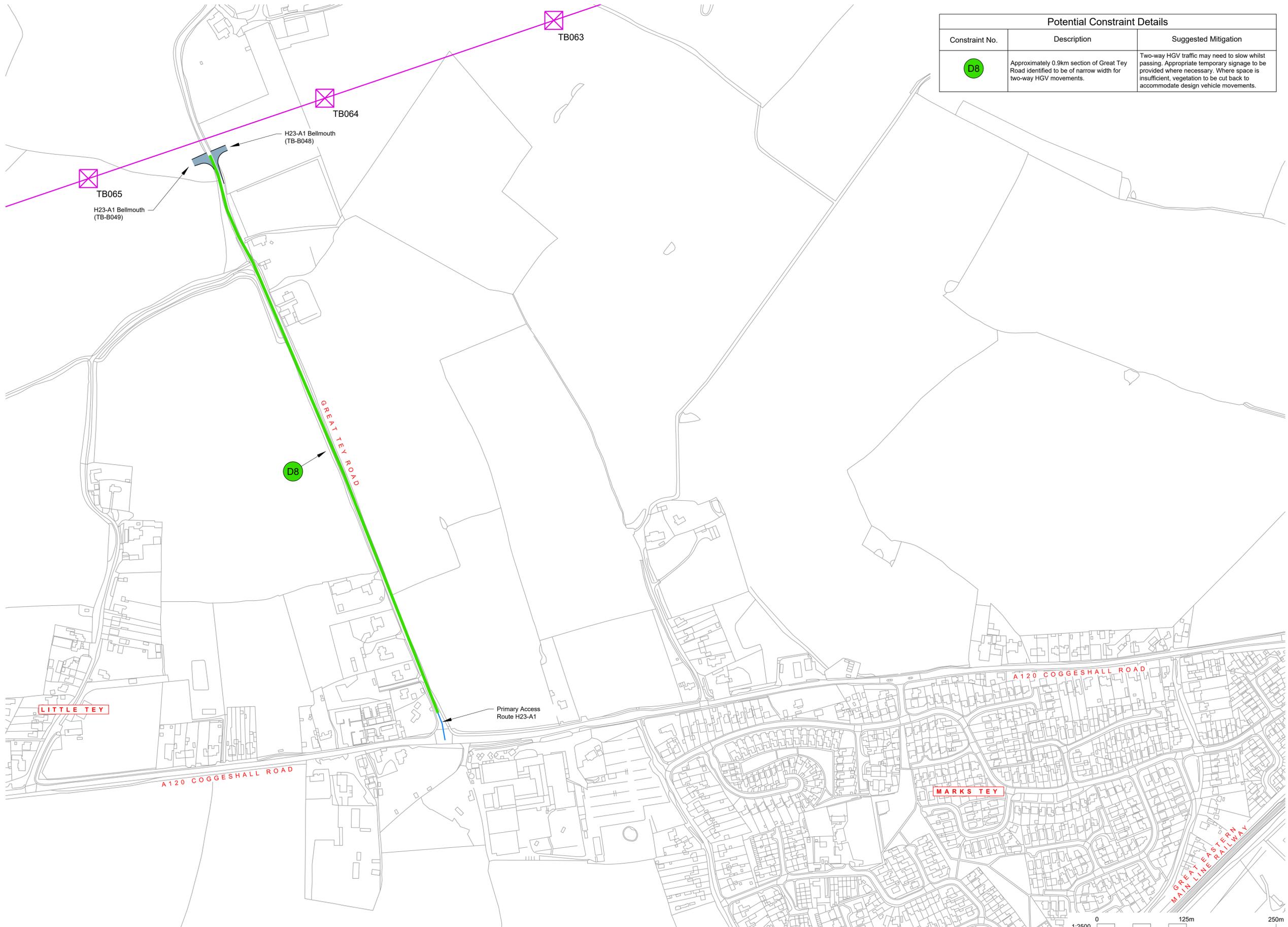
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Coordinate System: British National Grid
 Sheet X Centroid Coordinate: 593493 Sheet Y Centroid Coordinate: 226292
 BACKGROUND MAPPING INFORMATION HAS BEEN REPRODUCED FROM THE ORDNANCE SURVEY BY PERMISSION OF ORDNANCE SURVEY OF THE CONTROLLER OF HIS MAJESTY'S STATIONERY OFFICE. © CROWN COPYRIGHT AND DATABASE RIGHTS (2024) LICENCE: OS1000241 AND A1000007949.
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A	April 2024	FOR STATUTORY CONSULTATION	AJM	WES	AMR
Issue	Date	Remarks	Drawn	Checked	Approved
<p>Title NATIONAL GRID (NORWICH TO TILBURY) S.42 CONSULTATION CONSTRUCTION ACCESS PLAN SECTION D (SHEET 3 OF 4, COLCHESTER CITY COUNCIL)</p> <p>PRIMARY ACCESS ROUTES H20-A2, H21-A1, AND H22-A1 GENERAL ARRANGEMENT</p> <p align="right">nationalgrid</p>					
Application Number					
National Grid Drawing Reference					
AENC-NG-ENG-PLN-0025					
Scale	Sheet Size	Sheet	Issue		
1:5000	A1	SHEET 3 OF 4	A		



NATIONAL GRID
(NORWICH TO TILBURY)
S.42 CONSULTATION CONSTRUCTION ACCESS PLAN
SECTION D (SHEET 4 OF 4,
COLCHESTER CITY COUNCIL)



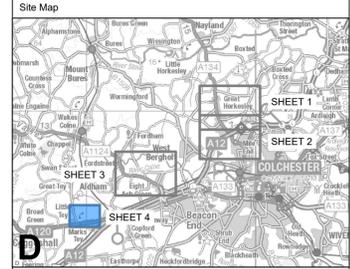
Potential Constraint Details		
Constraint No.	Description	Suggested Mitigation
D8	Approximately 0.9km section of Great Tey Road identified to be of narrow width for two-way HGV movements.	Two-way HGV traffic may need to slow whilst passing. Appropriate temporary signage to be provided where necessary. Where space is insufficient, vegetation to be cut back to accommodate design vehicle movements.

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 - Constraints and mitigations do not include works associated with Bellmouth junctions.
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 - 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)

Scale of Mitigation: 1:2500



Design Specifications of Indicative Construction Vehicles

Vehicle Type	Overall Length	Overall Width	Overall Body Height	Track Width	Kerb to Kerb Radius
Mobile Crane Liebherr LTM 1250-8.1	17.635m	3.000m	4.000m	3.000m	11.624m
Low Loader HGV	16.633m	2.500m	3.396m	2.500m	6.790m

Drawing References (Section D)

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

Coordinate System: British National Grid
 Sheet X Centroid Coordinate: 589889 Sheet Y Centroid Coordinate: 223783

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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 D (SHEET 4 OF 4, COLCHESTER CITY COUNCIL)
 PRIMARY ACCESS ROUTE H23-A1 GENERAL ARRANGEMENT

nationalgrid

Application Number: AENC-NG-ENG-PLN-0025

National Grid Drawing Reference: AENC-NG-ENG-PLN-0025

Scale	Sheet Size	Sheet	Issue
1:2500	A1	SHEET 4 OF 4	A