



Llywodraeth Cymru
Welsh Government

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A494 River Dee Bridge Replacement Scheme Environmental Statement Volume 2b: Figures September 2025



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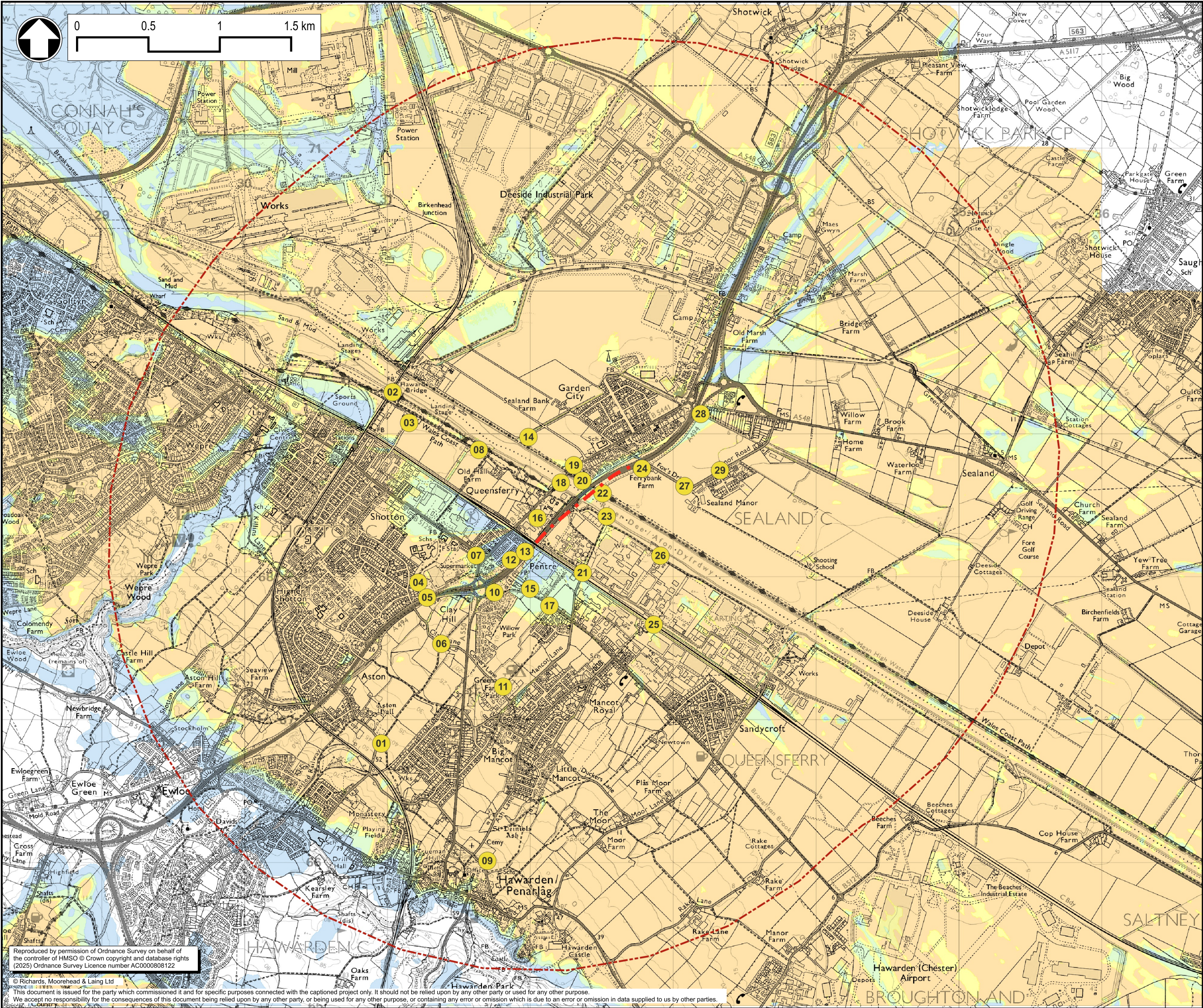
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- Notes
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Key to symbols

- Scheme centre-line
- - - Search area (3 km buffer)

3305-RML-M2-ztvoutput

- View of road surface
- View of cars (2 m high)
- View of high sided vehicles (4 m)
- Structures (12 m high)

B	09/07/2025	RhE	Suitable for Stage Approval	JS	RG
Rev	Date	Drawn	Description	Ch'kd	App'd
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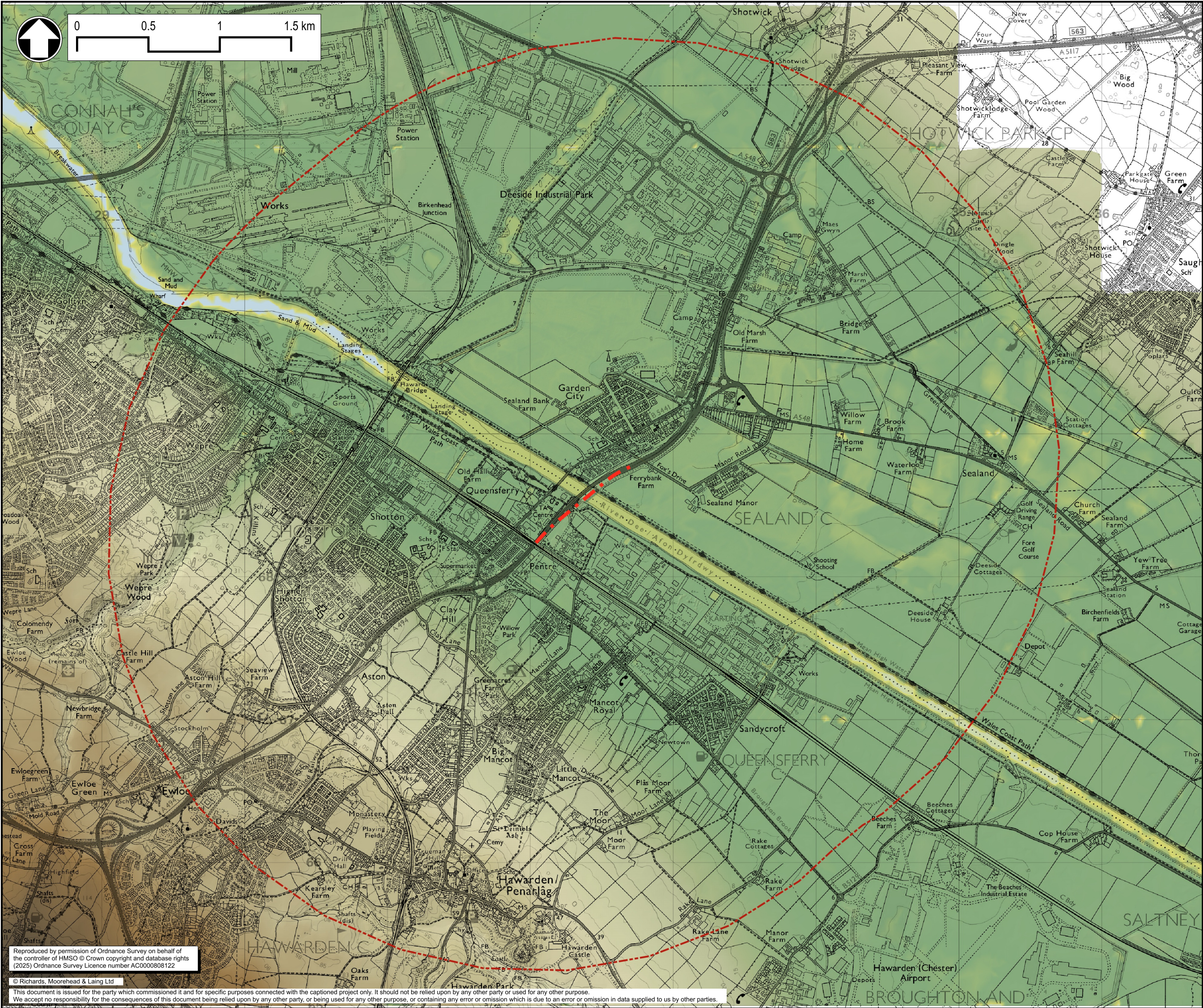
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North & Mid Wales Trunk Road Agent

Title
**A494 River Dee Bridge Replacement
Landscape and Visual Impact
Figure 9.1
Search Area
Sheet 1 of 1**

Designed	Rh. Edwards	RhE	Eng check	J. Stoddard	JS
Drawn	Rh. Edwards	RhE	Coordination	G. Morgan	GM
Dwg check	R. Jones	RJ	Approved	R. Griffiths	RG
MMD Project Number	395318	Scale at A3	1:25,000	Security	STD
Suitability Description	Suitable for Stage Approval				Suit. Code S4
Drawing Number	395318-RML-ZZ-XX-DR-L-9001				Revision B

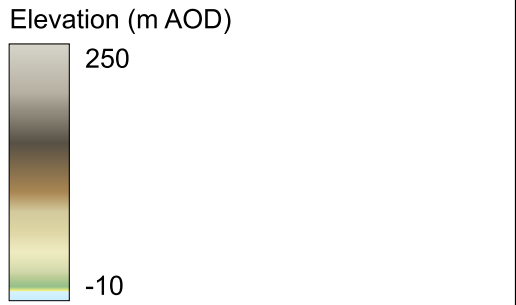
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- Key to symbols
- Scheme centre-line
 - Search area (3 km buffer)



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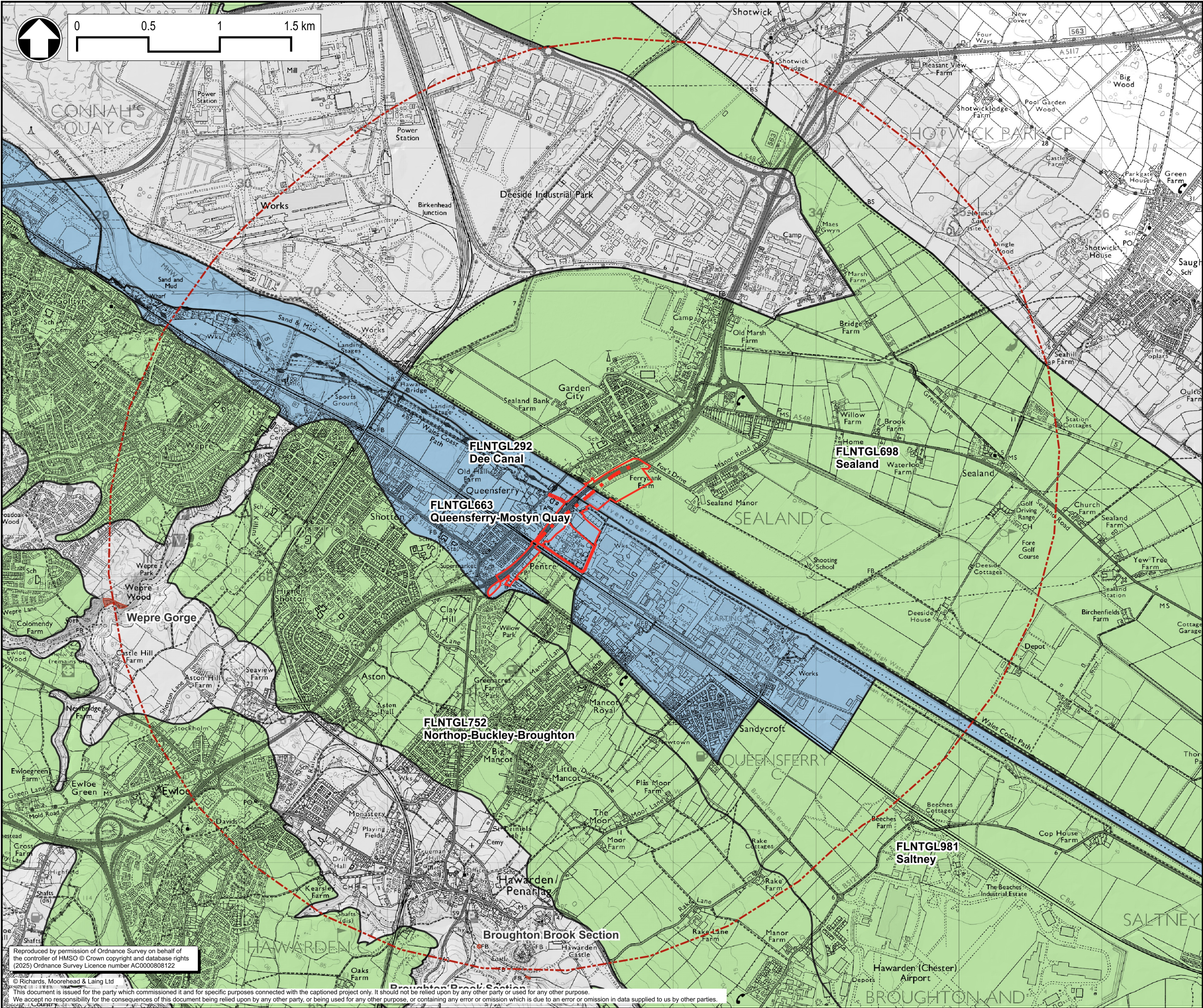
**A494 River Dee Bridge Replacement
Landscape and Visual Impact
Figure 9.2
Landform and terrain
Sheet 1 of 1**

Designed	Rh. Edwards	RhE	Eng check	J. Stoddard	JS
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MMD Project Number	395318	Scale at A3	1:25,000	Security	STD
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Key to symbols

- Scheme centre-line
- Scheme site boundary
- Search area (3 km buffer)
- Regionally Important Geological Site (RIGS)

LANDMAP Geological Landscape Overall evaluation

- Low
- Moderate
- High
- Outstanding

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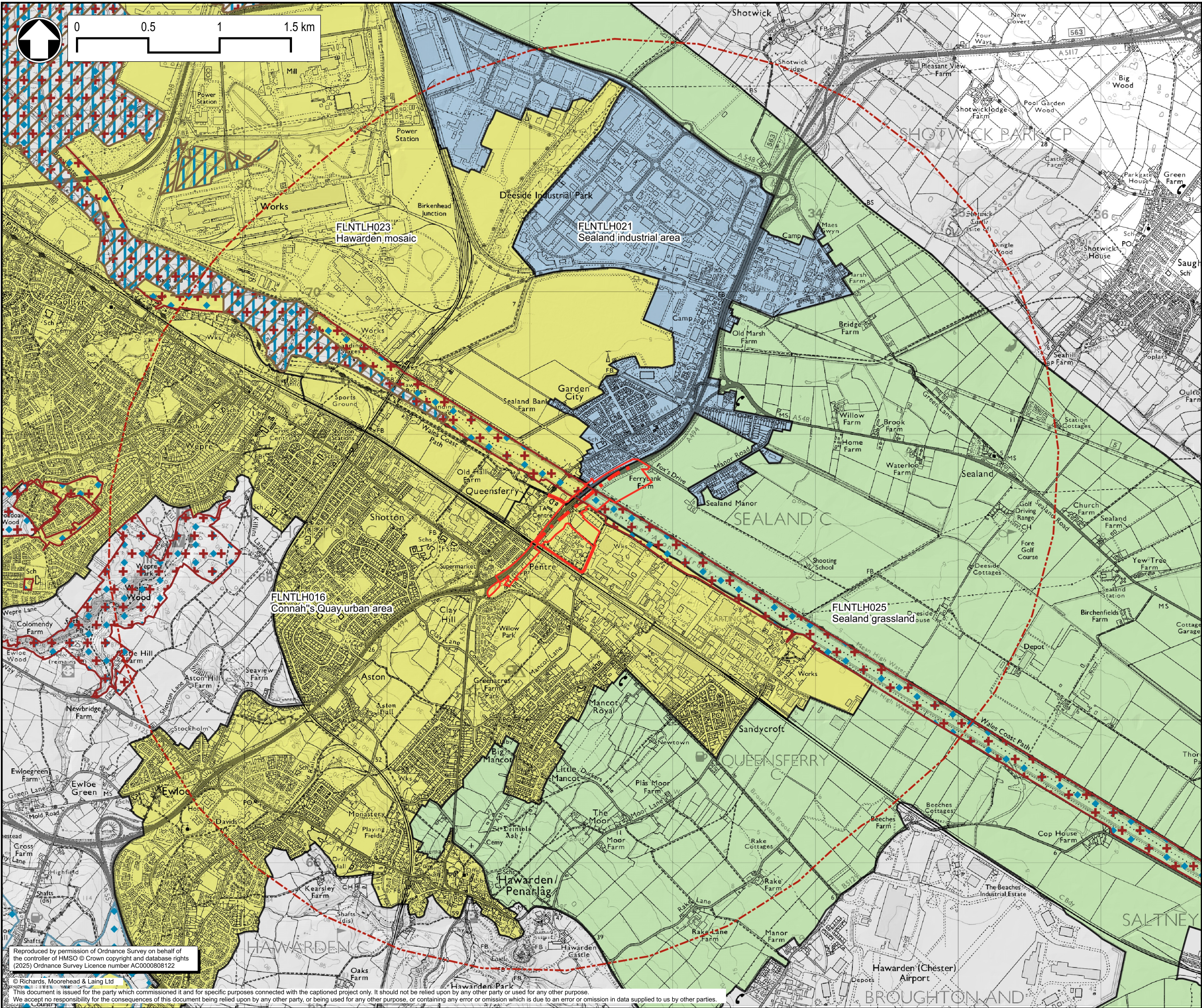
Title

A494 River Dee Bridge Replacement
Landscape and Visual Impact
Figure 9.3
LANDMAP Geological Landscape
Sheet 1 of 1

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MMD Project Number	395318	Scale at A3	1:25,000	Security	STD
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- Key to symbols
- +— Scheme centre-line
 - ▭ Scheme site boundary
 - - - Search area (3 km buffer)
 - ▨ Ramsar wetland
 - ▨ Special Protected Area
 - ▭ Site of Special Scientific Interest
 - ▨ Special Area of Conservation

- LANDMAP Landscape Habitats
- Overall evaluation
- ▭ Low
 - ▭ Moderate
 - ▭ High
 - ▭ Outstanding

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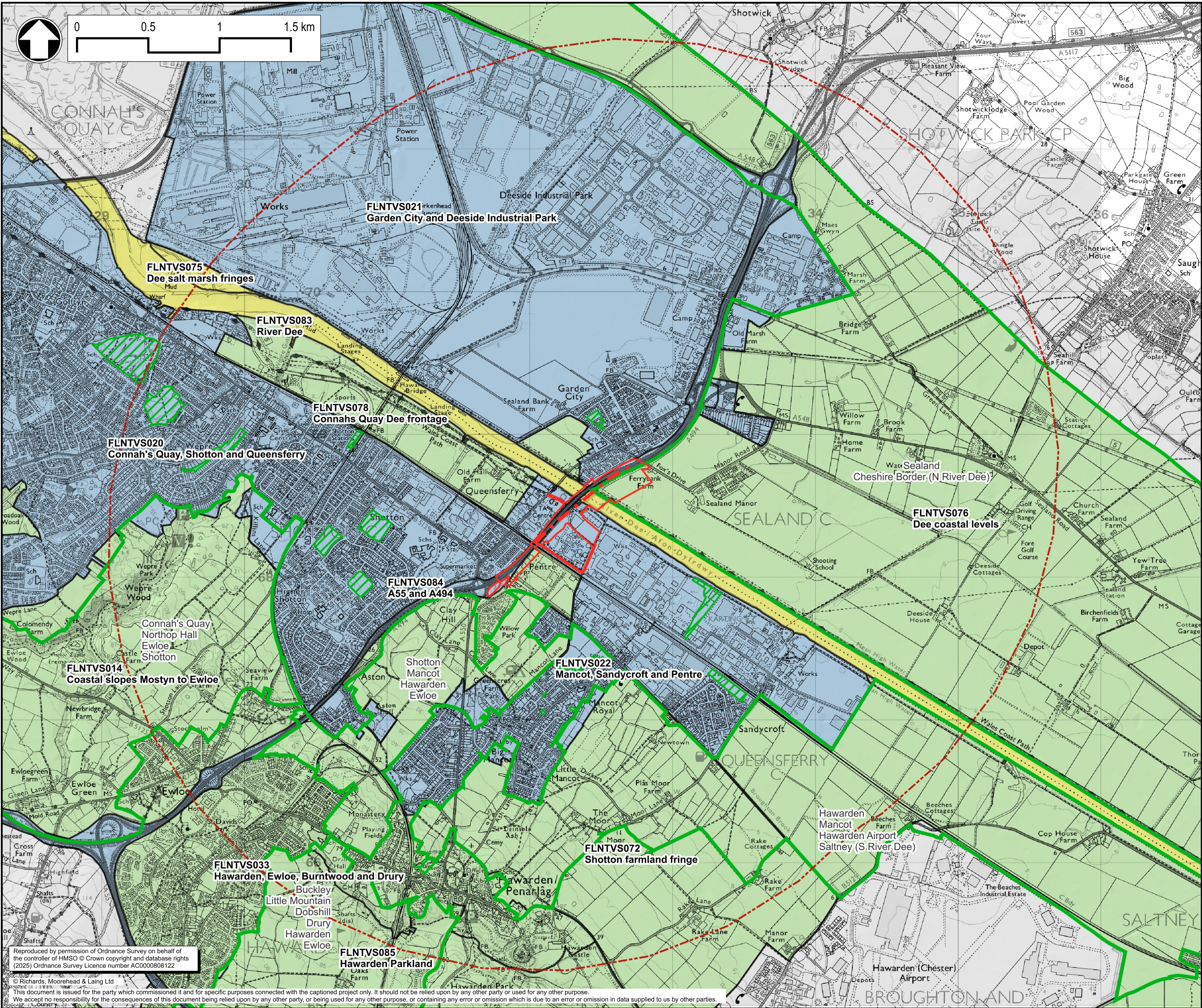
Title

A494 River Dee Bridge Replacement
Landscape and Visual Impact
Figure 9.4
LANDMAP Landscape Habitats
Sheet 1 of 1

Designed	Rh. Edwards	RhE	Eng check	J. Stoddard	JS
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Key to symbols

- Scheme centre-line
- Scheme site boundary
- Search area (3 km buffer)
- ▨ Green Spaces
- Green Barriers

LANDMAP Visual and Sensory Overall evaluation

- Low
- Moderate
- High
- Outstanding

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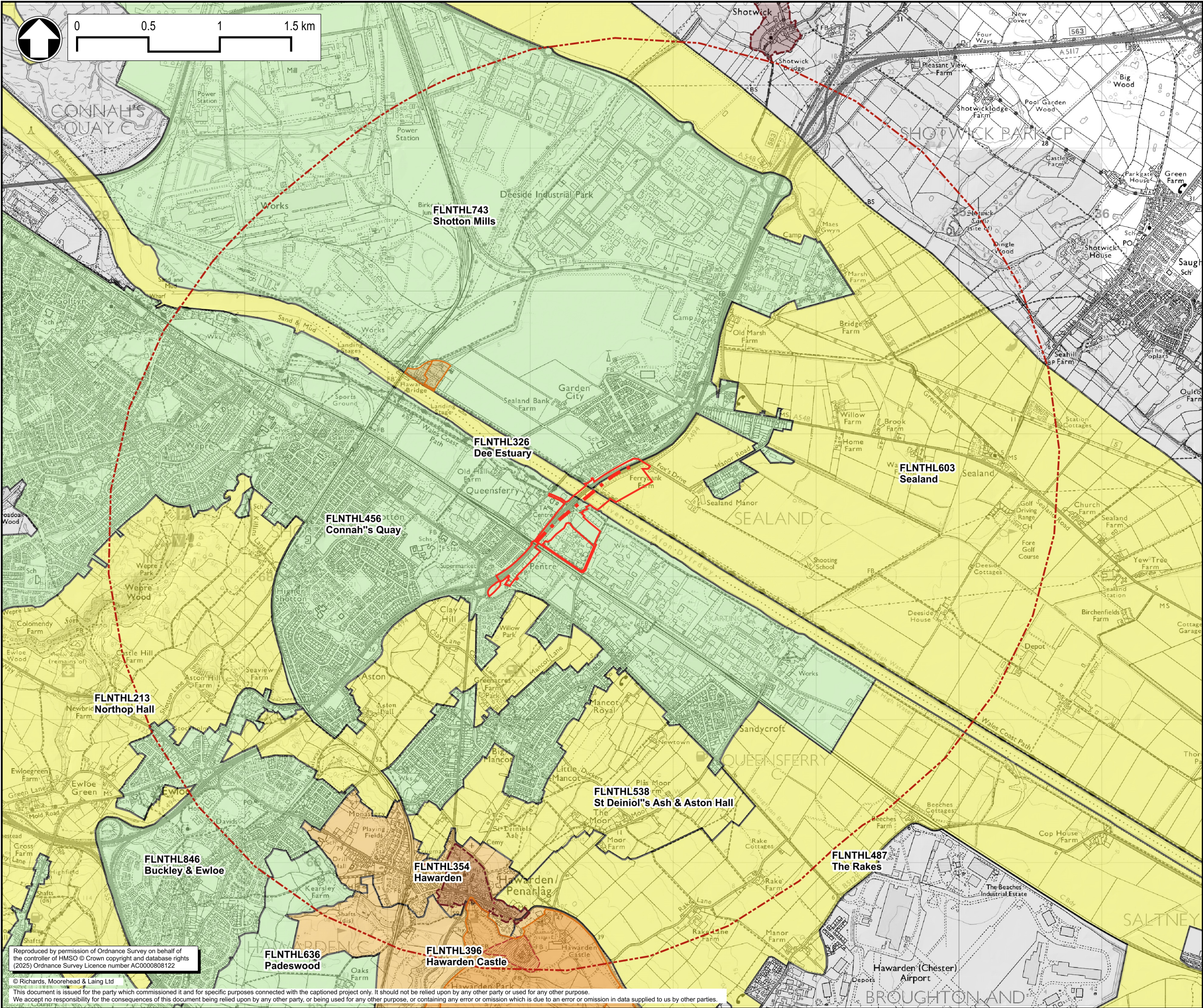
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A494 River Dee Bridge Replacement
Landscape and Visual Impact
Figure 9.5
LANDMAP Visual and Sensory
Sheet 1 of 1

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Key to symbols

- Scheme centre-line
- Scheme site boundary
- - - Search area (3 km buffer)
- Registered Historic Park + Garden
- Scheduled Monument
- Conservation Area

LANDMAP Historic Landscape Overall evaluation

- Low
- Moderate
- High
- Outstanding

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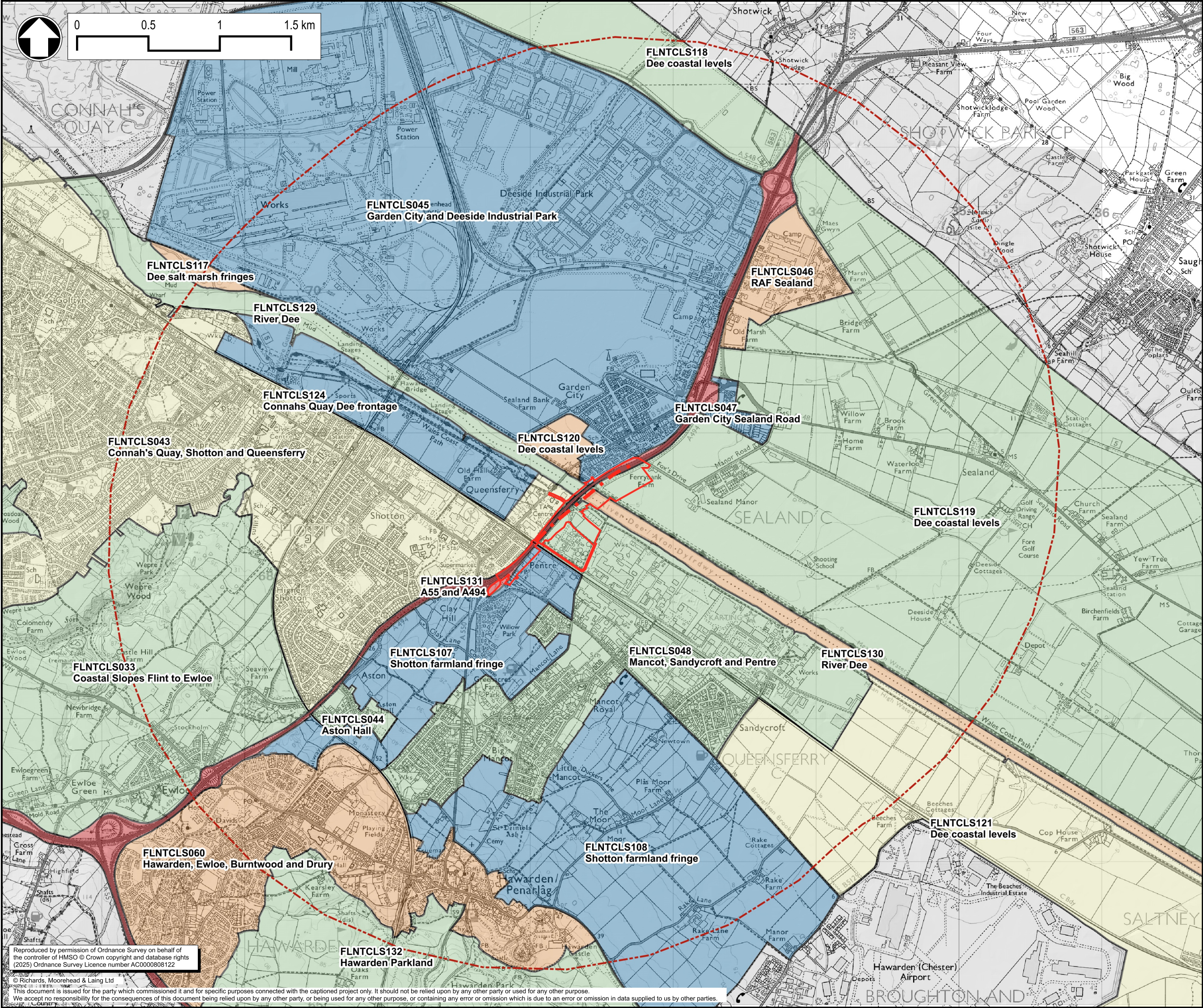
A494 River Dee Bridge Replacement Landscape and Visual Impact Figure 9.6 LANDMAP Historic Landscape Sheet 1 of 1

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- Key to symbols
- Scheme centre-line
 - Scheme site boundary
 - Search area (3 km buffer)

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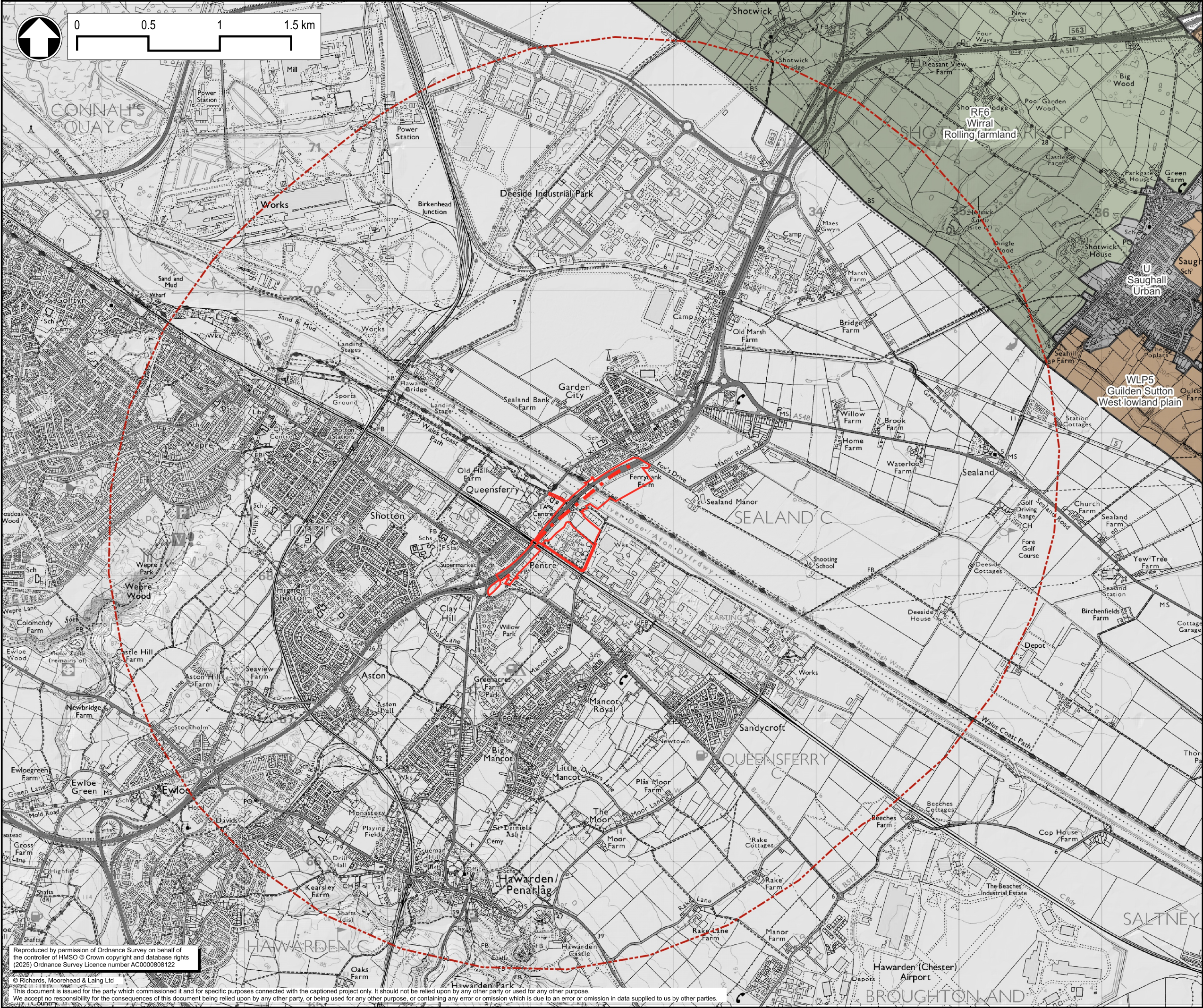
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Title
**A494 River Dee Bridge Replacement
Landscape and Visual Impact
Figure 9.7
LANDMAP Cultural Landscape
Services Sheet 1 of 1**

Designed	Rh. Edwards	RhE	Eng check	J. Stoddard	JS
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- - - Search area (3 km buffer)

Cheshire West and Chester Council
Landscape Character Areas

- Rolling farmland
- Urban
- West lowland plain

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A494 River Dee Bridge Replacement
Landscape and Visual Impact
Figure 9.8
CWCC Landscape Character Areas
Sheet 1 of 1

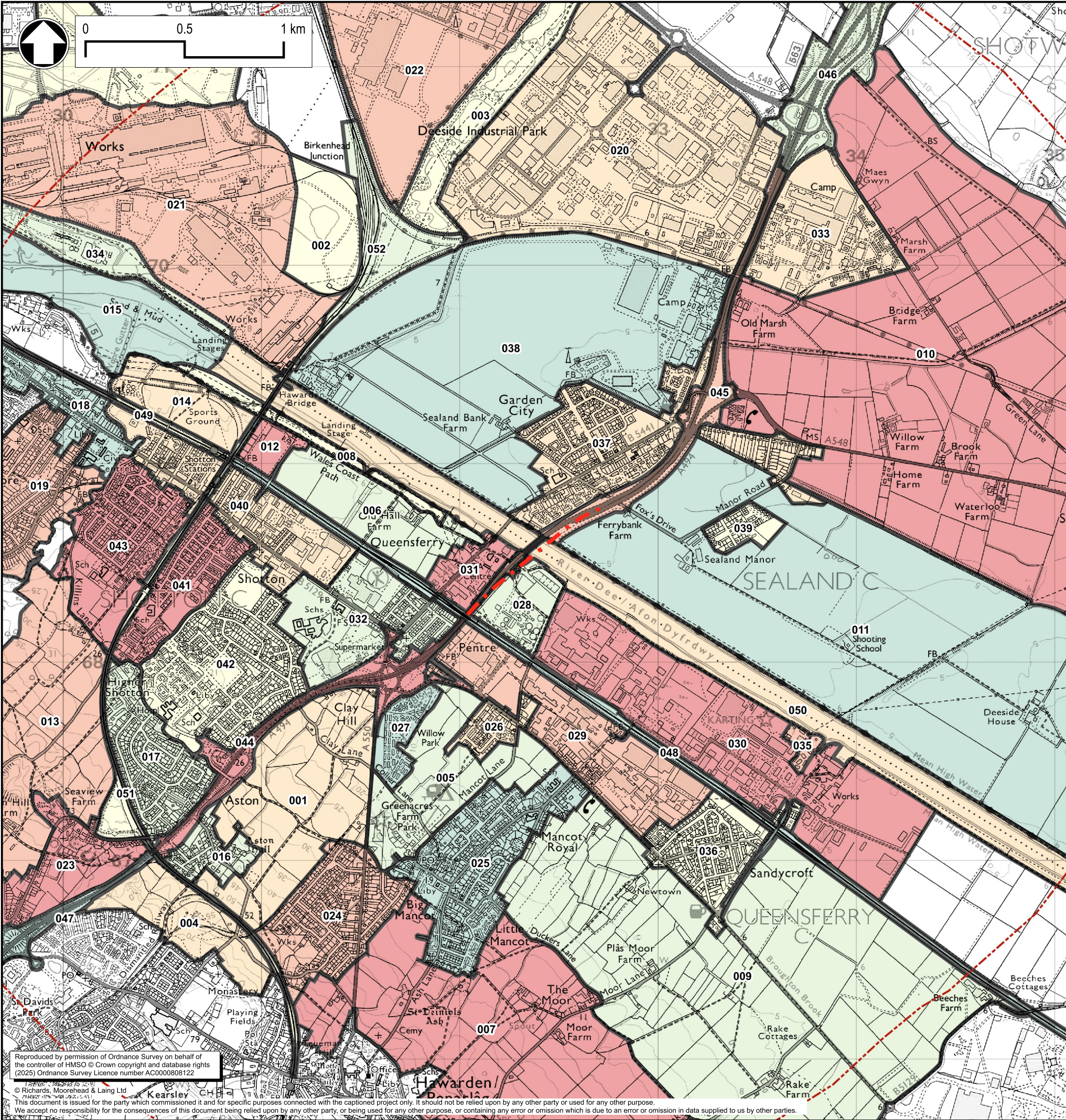
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Ref	Character area name
001	Aston - Aston Hall Agriculture
002	Deeside Industrial Park - Shotton Steelworks Lagoons
003	Deeside Industrial Park - Shotwick Brook Lagoons
004	Ewloe Sand Pits
005	Mancot - Pentre Agriculture
006	Queensferry - Dee Bank Agriculture
007	River Dee Coastal Slopes - Broughton to Mancot
008	River Dee Flood Plain
009	River Dee Reclaimed Agriculture - Sandycroft
010	River Dee Reclaimed Agriculture - Sealand
011	River Dee Reclaimed Agriculture - Sealand Manor
012	Shotton Steelworks Recreation Area
013	Wepre Brook Agriculture
014	Wepre Crossing Recreation Area
015	River Dee Estuary
016	Aston - Aston Hall Settlement
017	Aston Residential Area
018	Connah's Quay - High Street
019	Connah's Quay - Wepre Residential Area
020	Deeside Industrial Park - Parkway
021	Deeside Industrial Park - Shotton Steelworks
022	Deeside Industrial Park - Tenth Avenue
023	Ewloe Green Settlement
024	Hawarden - Gladstone Way Residential Area
025	Mancot - Mancot Residential Area
026	Mancot - Pentre Residential Area
027	Mancot - Willow Park Residential Area
028	Queensferry - Chemistry Lane Industry and Sewage Works
029	Queensferry - Chester Road Industry and Pentre Trade Park
030	Queensferry - Factory Road Industry
031	Queensferry - Station Road Industry
032	Queensferry Town Centre
033	RAF Sealand
034	River Dee Estuary - River Road
035	Sandycroft - Willow Brook Residential Area
036	Sandycroft Residential Area
037	Sealand - Garden City Residential Area
038	Sealand - Northern Gateway Development Site
039	Sealand Manor Settlement
040	Shotton - Chester Road West and Chester Road East
041	Shotton - East Residential Area
042	Shotton - Higher Residential Area
043	Shotton - West Residential Area
044	A494 - Plough Lane Junction to Queensferry Roundabout
045	A494 - Queensferry Roundabout to Deeside Park Junction
046	A494 - Shotwick Interchange to M56 J11
047	A55 / A494 - Ewloe Interchange and St David's Junction
048	Chester to Holyhead Railway - Saltney Ferry to Shotton
049	Chester to Holyhead Railway - Shotton to Flint
050	River Dee Canal - Saltney Ferry to Wepre Gutter
051	Wrexham to Bidston Railway - Hawarden to Shotton
052	Wrexham to Bidston Railway - Shotton to Birkenhead Junction

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Key to symbols

Scheme centre-line

Scheme site boundary

Study area (2 km buffer)

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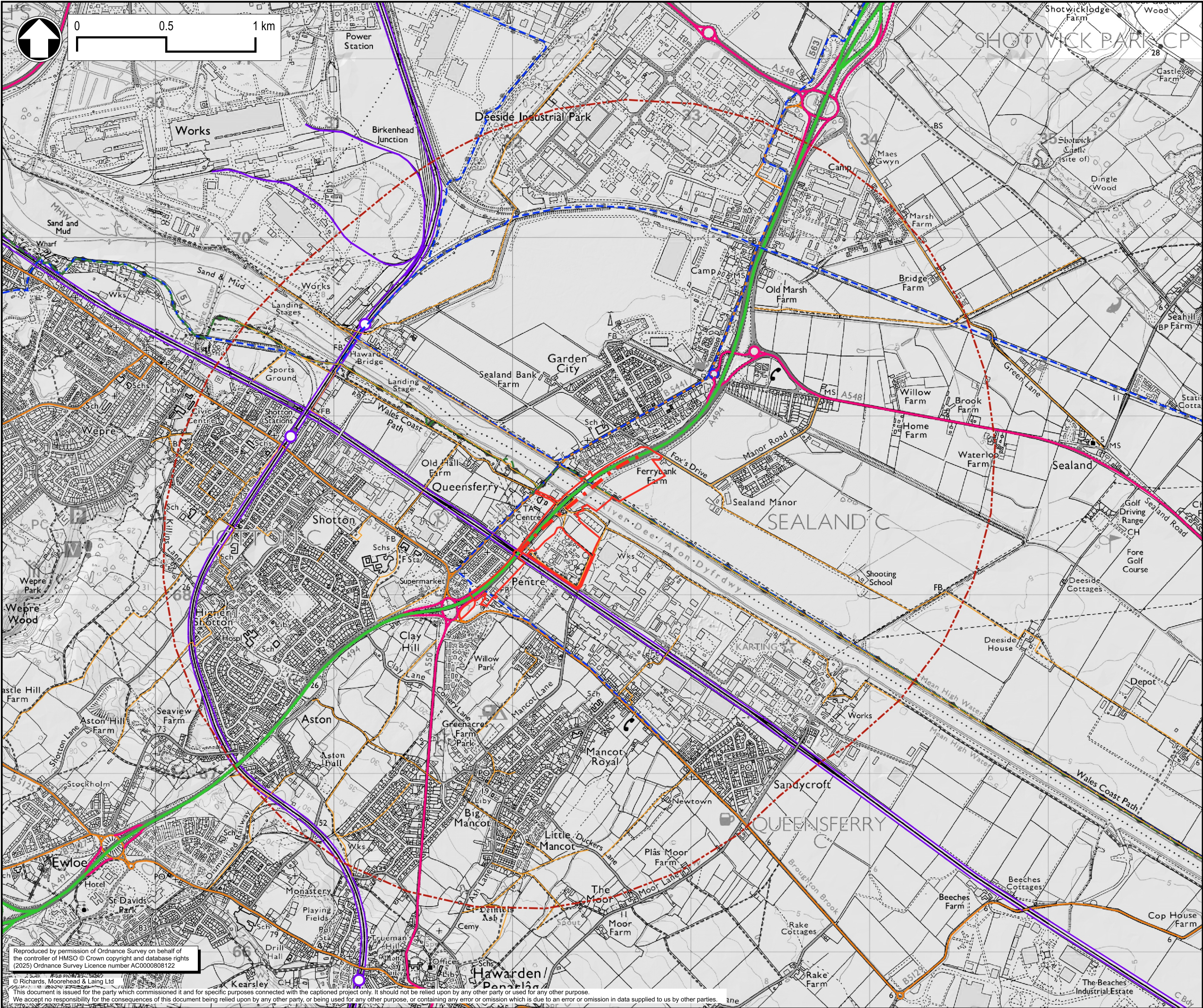
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Asiant Cefnffyrdd Gogledd a Chanolbarth Cymru North & Mid Wales Trunk Road Agent

Title

A494 River Dee Bridge Replacement Landscape and Visual Impact Figure 9.9 Landscape Character Areas Sheet 1 of 1

Designed	Rh. Edwards	RhE	Eng check	J. Stoddard	JS
Drawn	Rh. Edwards	RhE	Coordination	G. Morgan	GM
Dwg check	R. Jones	RJ	Approved	R. Griffiths	RG
MMD Project Number	395318	Scale at A3	1:20,000	Security	STD
Suitability Description	Suitable for Stage Approval	Suit. Code	S4	Revision	B
Drawing Number	395318-RML-ZZ-XX-DR-L-9009				



- Notes
1. This drawing details the current Preliminary Design at Key Stage 3 of Welsh Government's Linear Key Stage Approval Process and is subject to further detail design development in subsequent key stages.
 2. This drawing is to be read in conjunction with all other related Mott MacDonald and RML drawings and specifications.
 3. Unless otherwise stated all dimensions are in metres and all levels are in metres Above Ordnance Datum (AOD).
 4. Information on this drawing is based on topographical data received from PM Survey in 2018 for the site area and OS mapping data for all other areas.

- Key to symbols
- Scheme centre-line
 - Scheme site boundary
 - Study area (2 km buffer)
 - Wales Coast Path
 - National Cycle Network
 - Primary Road
 - A Road
 - B Road
 - Railway Station
 - Railway Track

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B	09/07/2025	RhE	Suitable for Stage Approval	JS	RG
Rev	Date	Drawn	Description	Ch'kd	App'd

Status Stamp

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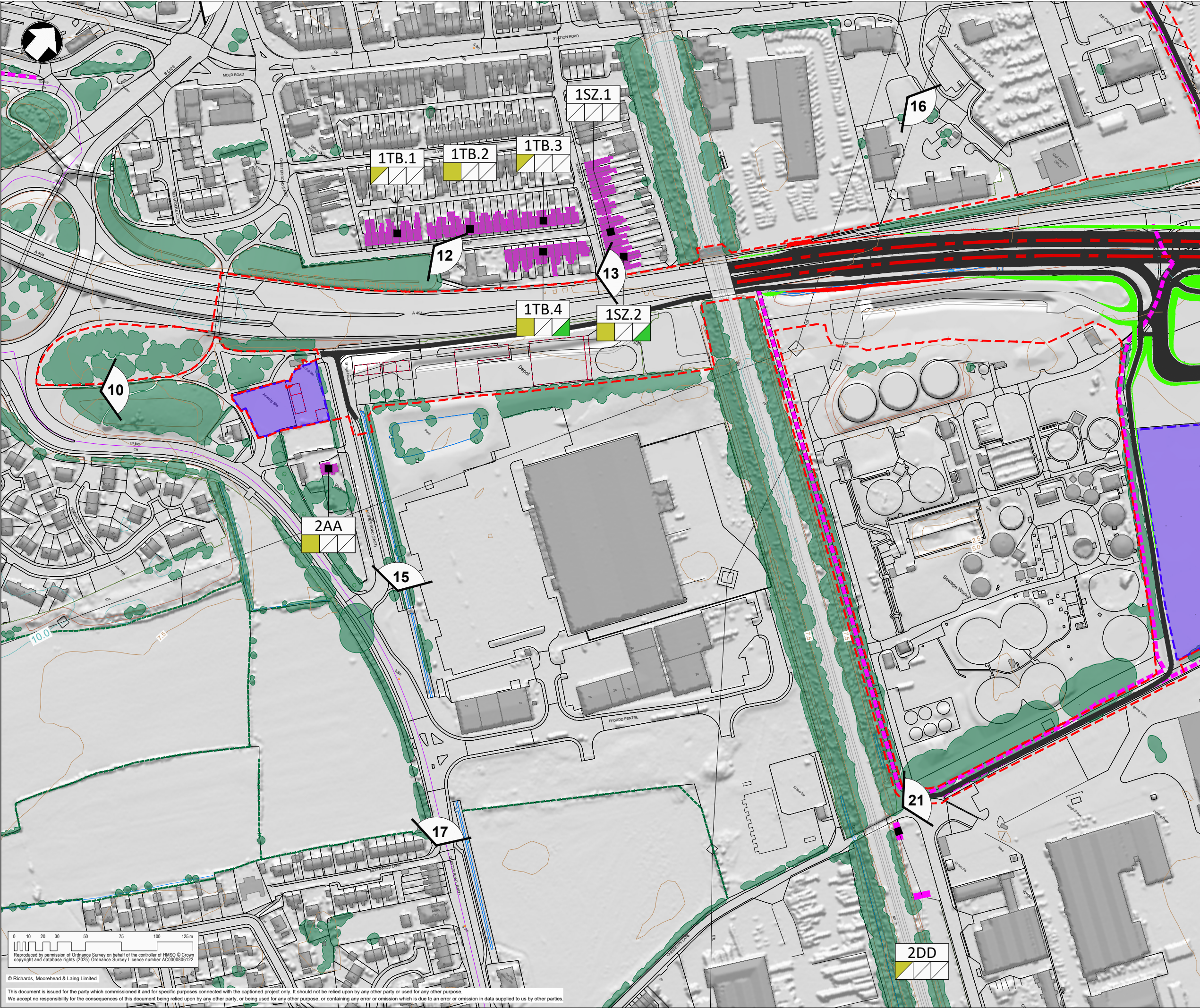
Client

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of the
Welsh Government

North & Mid Wales Trunk Road Agent

Title
**A494 River Dee Bridge Replacement
Landscape and Visual Impact
Figure 9.10
Transport and Recreational Routes
Sheet 1 of 1**

Designed	Rh. Edwards	RhE	Eng check	J. Stoddard	JS
Drawn	Rh. Edwards	RhE	Coordination	G. Morgan	GM
Dwg check	R. Jones	RJ	Approved	R. Griffiths	RG
MMD Project Number	395318	Scale at A3	1:20,000	Security	STD
Suitability Description	Suitable for Stage Approval	Suit. Code	S4	Revision	B
Drawing Number	395318-RML-ZZ-XX-DR-L-9010				



Key to symbols

- Scheme road / path surface
- Scheme carriageway centre-line
- Scheme earthworks cutting
- Scheme earthworks embankment
- Proposed site boundary
- Location considered for site compound

Terrain contours

- 10 m major interval
- 2.5 m minor interval

Visual barriers

- Buildings
- Substantial vegetation
- Hedges

Visual receptors

- Location of representative viewpoint (refer to Appendix 9-D)
- Right of way (Footpath / Cycle-way)
- Receptor building (refer to Appendix 9-E)

Significance of visual effect

- Visual Effect Schedule reference number
- Significance of visual effect (Design Year)
- Significance of visual effect (Year of Opening)
- Significance of visual effect (during Construction)

Very large adverse effect

Large adverse effect

Moderate adverse effect

Slight adverse effect

Neutral effect

Slight beneficial effect

Moderate beneficial effect

Large beneficial effect

Very large beneficial effect

Sheet layout key

B	09/07/2025	RHE	Suitable for Stage Approval	RJ	JS
Rev	Date	Drawn	Description	Ch'k'd	App'd
Status Stamp					
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RML					
Client		 Yn gweithio ar ran Llywodraeth Cymru Working on behalf of the Welsh Government			
		 Asiant Cefnffyrdd Gogledd a Chanolbarth Cymru North & Mid Wales Trunk Road Agent			
Title					
A494 River Dee Bridge Replacement Landscape and Visual Impact Figure 9.11 Visual Effects Sheet 01 of 03					
Designed	Rh. Edwards	RHE	Eng check	J. Stoddard	JS
Drawn	Rh. Edwards	RhE	Coordination	G. Morgan	GM
Dwg check	R. Jones	RJ	Approved	R. Griffiths	RG
MMD Project Number		Scale at A3		Security	
395318		1:2500		STD	
Suitability Description		Suit. Code			
Suitable for Stage Approval		S2			
Drawing Number		Revision			
395318-RML-ZZ-XX-DR-L-9011		B			

0 10 20 30 50 75 100 125 m

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Key to symbols

- Scheme road / path surface
- Scheme carriageway centre-line
- Scheme earthworks cutting
- Scheme earthworks embankment
- Proposed site boundary
- Location considered for site compound

Terrain contours

- 10 m major interval
- 2.5 m minor interval

Visual barriers

- Buildings
- Substantial vegetation
- Hedges

Visual receptors

- Location of representative viewpoint (refer to Appendix 9-D)
- Right of way (Footpath / Cycle-way)
- Receptor building (refer to Appendix 9-E)

Significance of visual effect

- Visual Effect Schedule reference number
- Significance of visual effect (Design Year)
- Significance of visual effect (Year of Opening)
- Significance of visual effect (during Construction)

Very large adverse effect

Large adverse effect

Moderate adverse effect

Slight adverse effect

Neutral effect

Slight beneficial effect

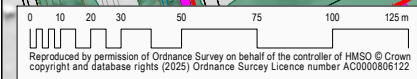
Moderate beneficial effect

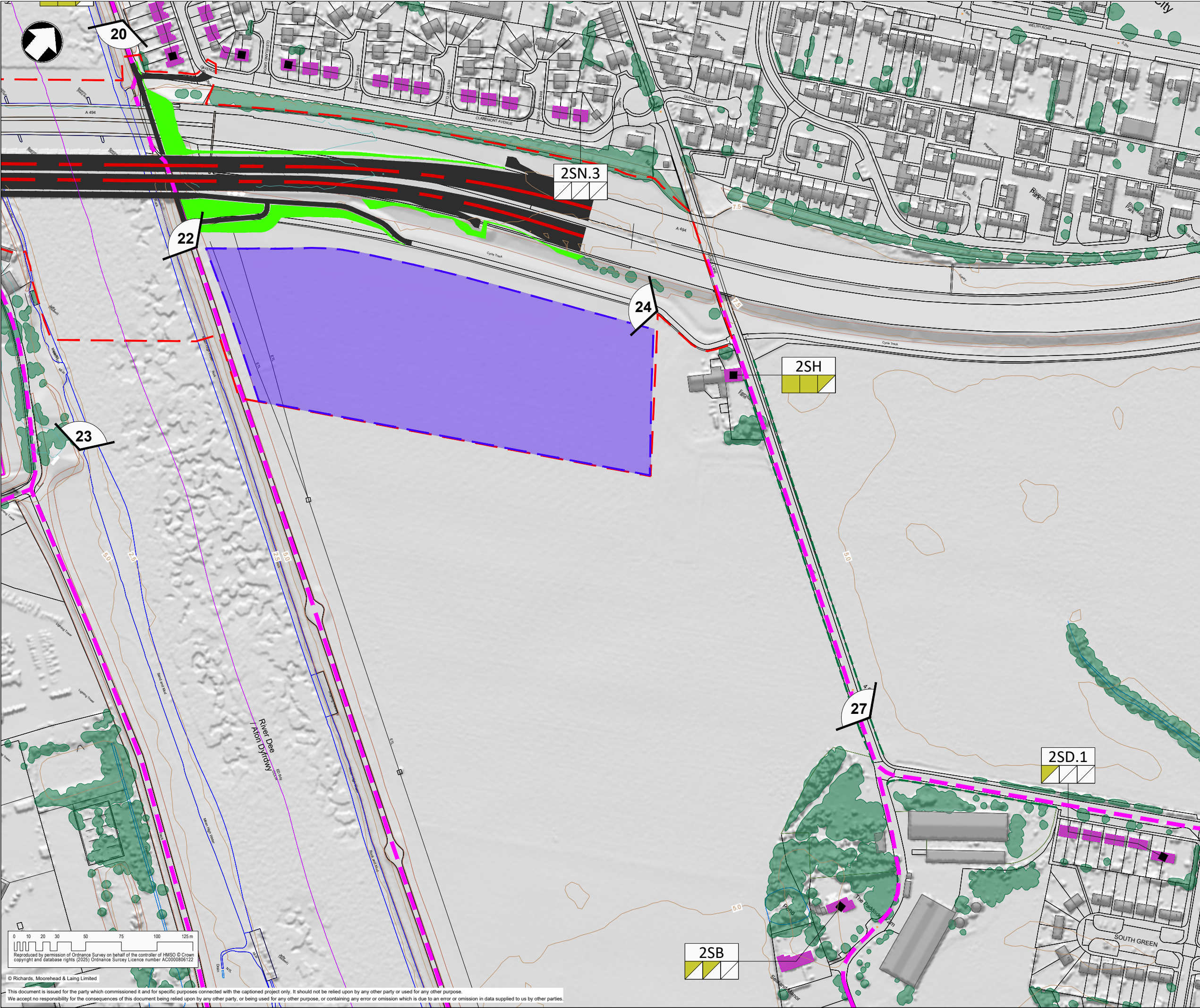
Large beneficial effect

Very large beneficial effect

Sheet layout key

B	09/07/2025	RhE	Suitable for Stage Approval	RJ	JS
Rev	Date	Drawn	Description	Ch'k'd	App'd
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RML					
Client		 Yn gweithio ar ran Llywodraeth Cymru Working on behalf of the Welsh Government			
		 Asiant Cefnffyrdd Gogledd a Chanolbarth Cymru North & Mid Wales Trunk Road Agent			
Title					
A494 River Dee Bridge Replacement Landscape and Visual Impact Figure 9.12 Visual Effects Sheet 02 of 03					
Designed	Rh. Edwards	RhE	Eng check	J. Stoddard	JS
Drawn	Rh. Edwards	RhE	Coordination	G. Morgan	GM
Dwg check	R. Jones	RJ	Approved	R. Griffiths	RG
MMD Project Number		Scale at A3		Security	
395318		1:2500		STD	
Suitability Description					Suit. Code
Suitable for Stage Approval					S4
Drawing Number					Revision
395318-RML-ZZ-XX-DR-L-9012					B





Key to symbols

- Scheme road / path surface
- Scheme carriageway centre-line
- Scheme earthworks cutting
- Scheme earthworks embankment
- Proposed site boundary
- Location considered for site compound

Terrain contours

- 10 m major interval
- 2.5 m minor interval

Visual barriers

- Buildings
- Substantial vegetation
- Hedges

Visual receptors

- Location of representative viewpoint (refer to Appendix 9-D)
- Right of way (Footpath / Cycle-way)
- Receptor building (refer to Appendix 9-E)

Significance of visual effect

- Visual Effect Schedule reference number
- Significance of visual effect (Design Year)
- Significance of visual effect (Year of Opening)
- Significance of visual effect (during Construction)

Very large adverse effect

Large adverse effect

Moderate adverse effect

Slight adverse effect

Neutral effect

Slight beneficial effect

Moderate beneficial effect

Large beneficial effect

Very large beneficial effect

Sheet layout key

B	09/07/2025	RhE	Suitable for Stage Approval	RJ	JS
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Title					
A494 River Dee Bridge Replacement Landscape and Visual Impact Figure 9.13 Visual Effects Sheet 03 of 03					
Designed	Rh. Edwards	RhE	Eng check	J. Stoddard	JS
Drawn	Rh. Edwards	RhE	Coordination	G. Morgan	GM
Dwg check	R. Jones	RJ	Approved	R. Griffiths	RG
MMD Project Number		Scale at A3		Security	
395318		1:2500		STD	
Suitability Description					Suit. Code
Suitable for Stage Approval					S4
Drawing Number					Revision
395318-RML-ZZ-XX-DR-L-9013					B

0 10 20 30 50 75 100 125 m

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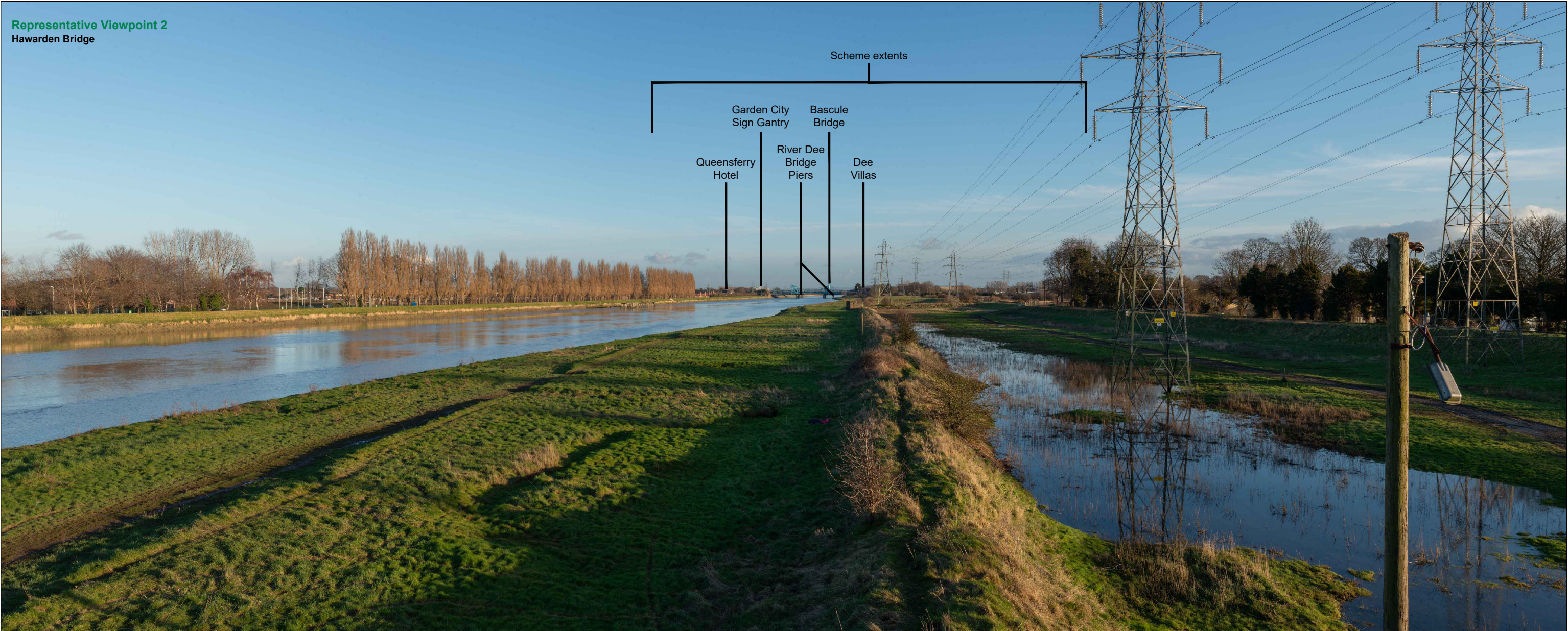
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rh.edwards

Representative Viewpoint 2
Hawarden Bridge



National Grid Reference: SJ 31035 69295
Date / Time: 05/02/2024, 16:05 hrs
Weather Conditions / Visibility: Direct sunlight / Very good
View Bearing: 115° (ESE)
Distance to Scheme: 1.3 km

Camera and Lens: Nikon D610 - 50 mm lens
Horizontal Field of View: 80°
Camera Height: 1.6 m
Recommended Viewing Distance: 300 mm

Existing 80° Stitched Panoramic Image

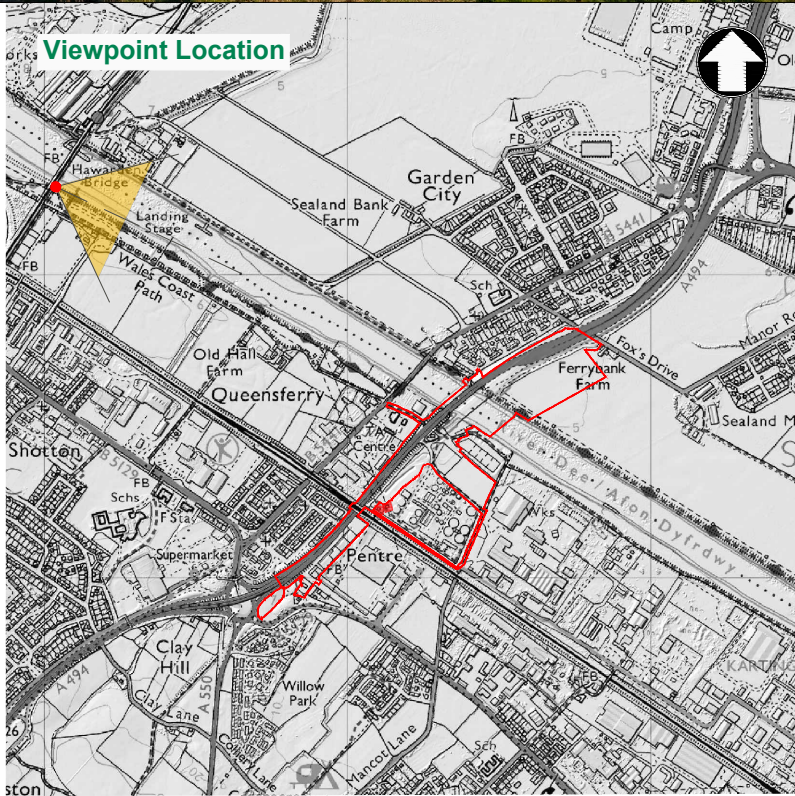
Viewing Instructions
This is a composite image made up of 5 No. 50 mm prime lens photographs, joined together to form an overall field of view which is wider than that seen in detail by the human eye.
For correct perspective viewing, this image should be viewed at a distance of 300 mm with one eye. This image should only be assessed in the real landscape from the same viewpoint.




Description of Location:
From NCN5 and Public Footpath West Saltney 12. Represents static views from flat lowland engineered landscape and transient views from users of regional designated routes. Photograph taken from ramp to Hawarden Bridge crossing.

Sensitivity of visual receptor
Susceptibility to change: Medium
Value attached to view: Medium
Sensitivity of receptor: Moderate

Visual effects during construction
Visual sensitivity: Moderate
Magnitude of impact : Minor adverse
Significance of effect : Slight adverse

Visual effects during operation
Visual sensitivity: Moderate
Magnitude of impact Year 1: Negligible beneficial
Significance of effect Year 1: Neutral
Magnitude of impact Year 15: Negligible beneficial
Significance of effect Year 15: Neutral



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Title						
A494 River Dee Bridge Replacement Landscape and Visual Impact Figure 9.14 Representative Viewpoint 2 Baseline Sheet 01 of 01						
Designed	Rh. Edwards		RhE	Eng check	J. Stoddard	JS
Drawn	Rh. Edwards		RhE	Coordination	G. Morgan	GM
Dwg check	R. Jones		RJ	Approved	R. Griffiths	RG
MMD Project Number 395318			Scale at A3 n/a			Security STD
Suitability Description Suitable for Stage Approval					Suit. Code S4	
Drawing Number 395318-RML-ZZ-XX-DR-L-9014					Revision A	



National Grid Reference: SJ 31640 68890
Date / Time: 05/02/2025, 16:40 hrs
Weather Conditions / Visibility: Direct sunlight / Very good
View Bearing: 110° (ESE)
Distance to Scheme: 0.6 km

Camera and Lens: Nikon D610 - 50 mm lens
Horizontal Field of View: 80°
Camera Height: 1.6 m
Recommended Viewing Distance: 300 mm

Existing 80° Stitched Panoramic Image

Viewing Instructions

This is a composite image made up of 5 No. 50 mm prime lens photographs, joined together to form an overall field of view which is wider than that seen in detail by the human eye.

For correct perspective viewing, this image should be viewed at a distance of 300 mm with one eye. This image should only be assessed in the real landscape from the same viewpoint.

Description of Location:

From Public Footpath West Saltney 8, near to The Lodge and Old Hall Farm. The view is representative of one experienced by users of public footpaths and countryside workers from a flat and open lowland landscape.

Sensitivity of visual receptor

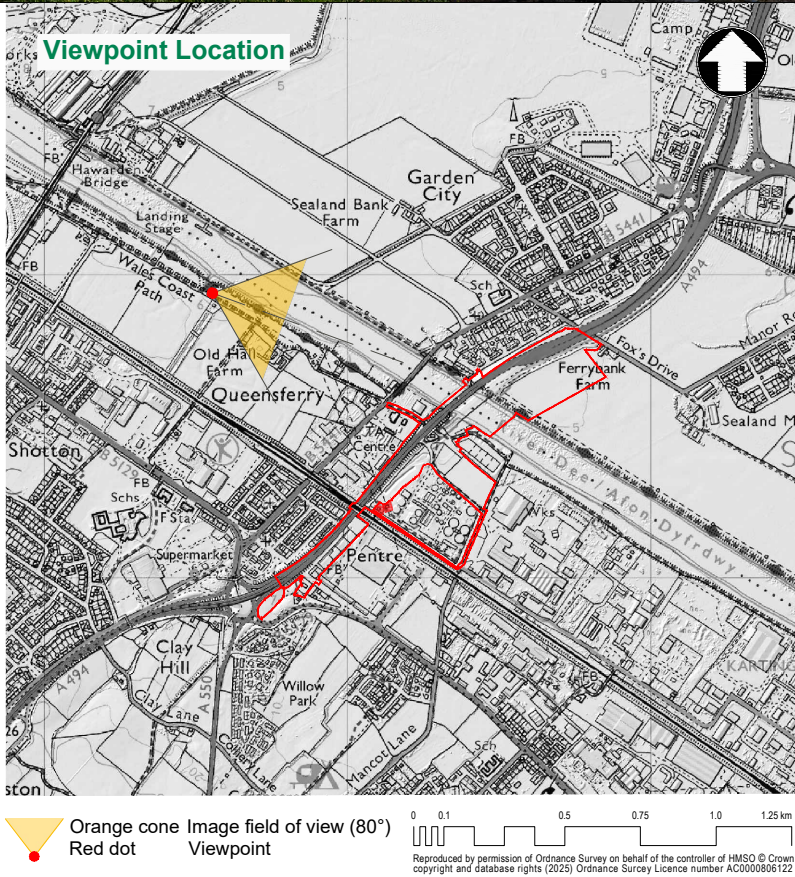
Susceptibility to change:	High
Value attached to view:	Medium
Sensitivity of receptor:	Moderate



Visual effects during construction

Visual sensitivity:	Moderate
Magnitude of impact :	Minor adverse
Significance of effect :	Slight adverse

Visual effects during operation

Visual sensitivity:	Moderate
Magnitude of impact Year 1:	Negligible beneficial
Significance of effect Year 1:	Neutral
Magnitude of impact Year 15:	Negligible beneficial
Significance of effect Year 15:	Neutral



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Title						
A494 River Dee Bridge Replacement Landscape and Visual Impact Figure 9.15 Representative Viewpoint 8 Baseline Sheet 01 of 01						
Designed	Rh. Edwards		RhE	Eng check	J. Stoddard	JS
Drawn	Rh. Edwards		RhE	Coordination	G. Morgan	GM
Dwg check	R. Jones		RJ	Approved	R. Griffiths	RG
MMD Project Number 395318			Scale at A3 n/a			Security STD
Suitability Description Suitable for Stage Approval					Suit. Code S4	
Drawing Number 395318-RML-ZZ-XX-DR-L-9015					Revision A	

Representative Viewpoint 10
Plantation near to Pembroke Close



National Grid Reference: SJ 31750 67890
Date / Time: 05/02/2025, 15:30 hrs
Weather Conditions / Visibility: Cloudy / Good
View Bearing: 40° (NE)
Distance to Scheme: 0.0 km

Camera and Lens: Nikon D610 - 50 mm lens
Horizontal Field of View: 80°
Camera Height: 1.6 m
Recommended Viewing Distance: 300 mm

Existing 80° Stitched Panoramic Image

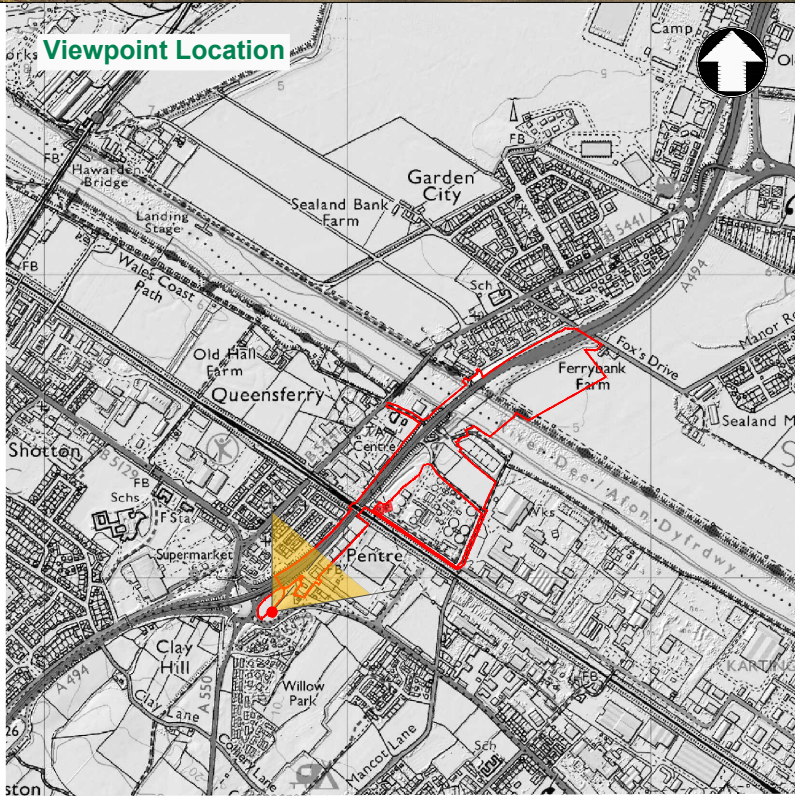
Viewing Instructions
This is a composite image made up of 5 No. 50 mm prime lens photographs, joined together to form an overall field of view which is wider than that seen in detail by the human eye.
For correct perspective viewing, this image should be viewed at a distance of 300 mm with one eye. This image should only be assessed in the real landscape from the same viewpoint.



Description of Location:
From a footpath linking the series of streets branching from Dyfed Drive and Chester Road East to Queensferry town centre. It represents a static view available to a less densely populated area and a transient view for users of public open space of limited importance.

Sensitivity of visual receptor
Susceptibility to change: Medium
Value attached to view: Low
Sensitivity of receptor: Low

Visual effects during construction
Visual sensitivity: Moderate
Magnitude of impact : Minor adverse
Significance of effect : Slight adverse

Visual effects during operation
Visual sensitivity: Moderate
Magnitude of impact Year 1: No change
Significance of effect Year 1: Neutral
Magnitude of impact Year 15: No change
Significance of effect Year 15: Neutral



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Rev	Date	Drawn	Description			Ch'k'd App'd
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Title						
A494 River Dee Bridge Replacement Landscape and Visual Impact Figure 9.16 Representative Viewpoint 10 Baseline Sheet 01 of 01						
Designed	Rh. Edwards		RhE	Eng check	J. Stoddard	JS
Drawn	Rh. Edwards		RhE	Coordination	G. Morgan	GM
Dwg check	R. Jones		RJ	Approved	R. Griffiths	RG
MMD Project Number 395318			Scale at A3 n/a			Security STD
Suitability Description Suitable for Stage Approval						Suit. Code S4
Drawing Number 395318-RML-ZZ-XX-DR-L-9016						Revision A

Representative Viewpoint 12
Queen Street



National Grid Reference:

Date / Time:

Weather Conditions / Visibility:

View Bearing:

Distance to Scheme:

SJ 31860 68120

05/02/2025, 15:05 hrs

Cloudy / Good

100° (E)

0.0 km

Camera and Lens:

Horizontal Field of View:

Camera Height:

Recommended Viewing Distance:

Nikon D610 - 50 mm lens

80°

1.6 m

300 mm

Description of Location:

From the pavement outside of 21 Queen Street. It represents the view available to dense residential areas facing the A494. Unused buildings and the plantation on a false cutting limit the extent of the view.

Sensitivity of visual receptor

Susceptibility to change:

High

Value attached to view:

Low

Sensitivity of receptor:

Moderate

Visual effects during construction

Visual sensitivity:

Moderate

Magnitude of impact :

Minor adverse

Significance of effect :

Slight adverse

Visual effects during operation

Visual sensitivity:

Moderate

Magnitude of impact Year 1:

Negligible beneficial

Significance of effect Year 1:

Slight beneficial

Magnitude of impact Year 15:

Negligible beneficial

Significance of effect Year 15:

Slight beneficial

Existing 80° Stitched Panoramic Image

Viewing Instructions

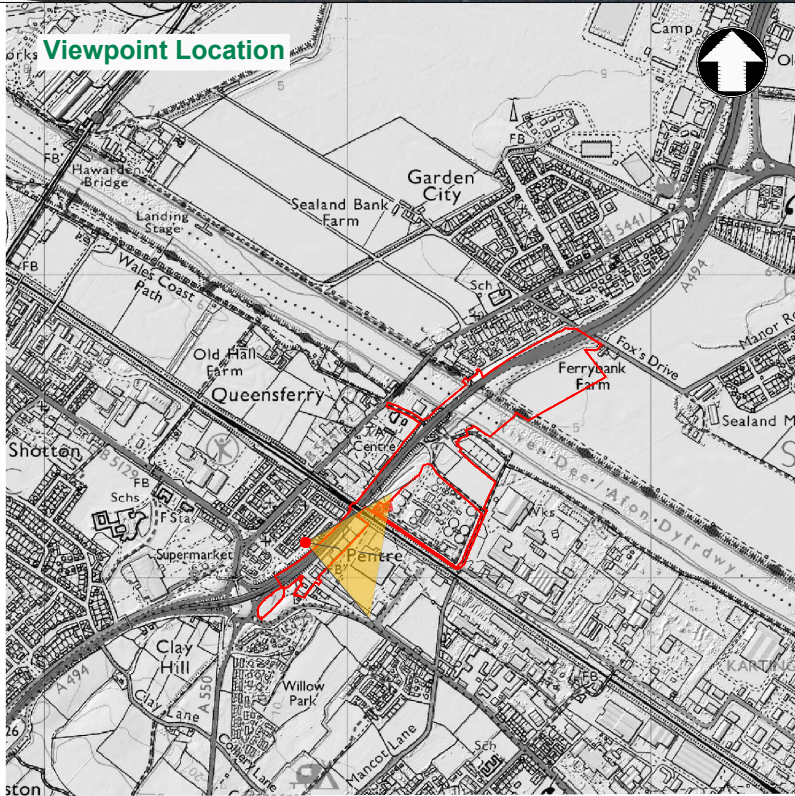
This is a composite image made up of 5 No. 50 mm prime lens photographs, joined together to form an overall field of view which is wider than that seen in detail by the human eye.



For correct perspective viewing, this image should be viewed at a distance of 300 mm with one eye. This image should only be assessed in the real landscape from the same viewpoint.

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Client						
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Title						
A494 River Dee Bridge Replacement Landscape and Visual Impact Figure 9.17 Representative Viewpoint 12 Baseline Sheet 01 of 01						
Designed	Rh. Edwards		RhE	Eng check	J. Stoddard	JS
Drawn	Rh. Edwards		RhE	Coordination	G. Morgan	GM
Dwg check	R. Jones		RJ	Approved	R. Griffiths	RG
MMD Project Number			Scale at A3			Security
395318			n/a			STD
Suitability Description					Suit. Code	
Suitable for Stage Approval					S4	
Drawing Number					Revision	
395318-RML-ZZ-XX-DR-L-9017					A	



National Grid Reference: SJ 31960 68175
Date / Time: 05/02/2025, 15:20 hrs
Weather Conditions / Visibility: Cloudy / Good
View Bearing: 65° (ENE)
Distance to Scheme: 0.0 km

Camera and Lens: Nikon D610 - 50 mm lens
Horizontal Field of View: 80°
Camera Height: 1.6 m
Recommended Viewing Distance: 300 mm

Existing 80° Stitched Panoramic Image

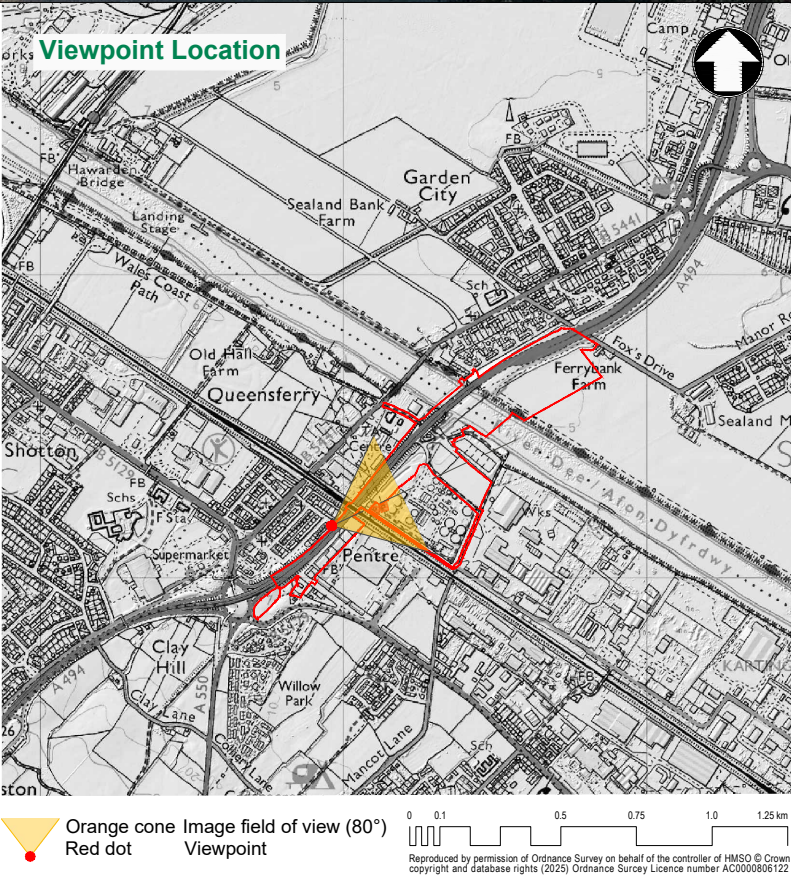
Viewing Instructions
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For correct perspective viewing, this image should be viewed at a distance of 300 mm with one eye. This image should only be assessed in the real landscape from the same viewpoint.




Description of Location:
From the pavement opposite 51 Dundas Street and at the gable end of 58 Queen Street. It represents the view available to pedestrians using Dundas Street and residential properties backing onto the A494.

Sensitivity of visual receptor
Susceptibility to change: High
Value attached to view: Low
Sensitivity of receptor: Moderate

Visual effects during construction
Visual sensitivity: Moderate
Magnitude of impact : Moderate adverse
Significance of effect : Moderate adverse

Visual effects during operation
Visual sensitivity: Moderate
Magnitude of impact Year 1: No change
Significance of effect Year 1: Neutral
Magnitude of impact Year 15: Negligible beneficial
Significance of effect Year 15: Slight beneficial



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Title						
A494 River Dee Bridge Replacement Landscape and Visual Impact Figure 9.18 Representative Viewpoint 13 Baseline Sheet 01 of 01						
Designed	Rh. Edwards		RhE	Eng check	J. Stoddard	JS
Drawn	Rh. Edwards		RhE	Coordination	G. Morgan	GM
Dwg check	R. Jones		RJ	Approved	R. Griffiths	RG
MMD Project Number 395318			Scale at A3 n/a			Security STD
Suitability Description Suitable for Stage Approval					Suit. Code S4	
Drawing Number 395318-RML-ZZ-XX-DR-L-9018					Revision A	



National Grid Reference: SJ 32000 67920
Date / Time: 05/02/2025, 14:00 hrs
Weather Conditions / Visibility: Cloudy / Good
View Bearing: 335° (NNW)
Distance to Scheme: 0.1 km

Camera and Lens: Nikon D610 - 50 mm lens
Horizontal Field of View: 80°
Camera Height: 1.6 m
Recommended Viewing Distance: 300 mm

Existing 80° Stitched Panoramic Image

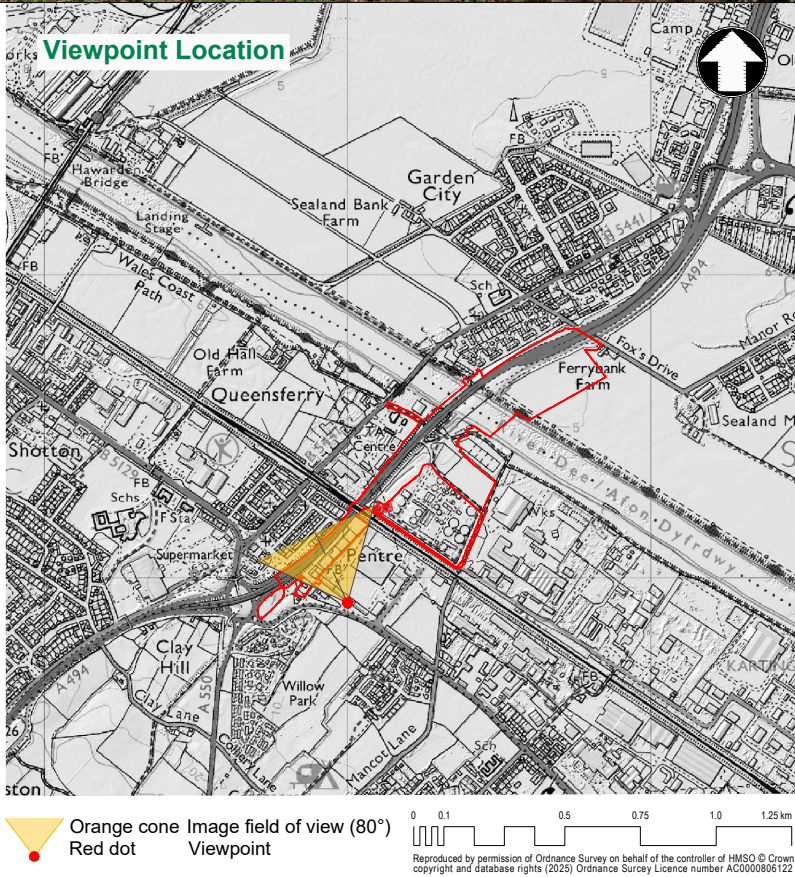
Viewing Instructions
This is a composite image made up of 5 No. 50 mm prime lens photographs, joined together to form an overall field of view which is wider than that seen in detail by the human eye.
For correct perspective viewing, this image should be viewed at a distance of 300 mm with one eye. This image should only be assessed in the real landscape from the same viewpoint.




Description of Location:
From the grassed area near to the entrance to Pentre Trade Park. The view is representative of the view available to retail workers and visitors to the trade park, users of main roads and cyclists using the National Cycle Network.

Sensitivity of visual receptor
Susceptibility to change: Low
Value attached to view: Low
Sensitivity of receptor: Low

Visual effects during construction
Visual sensitivity: Moderate
Magnitude of impact : Minor adverse
Significance of effect : Slight adverse

Visual effects during operation
Visual sensitivity: Moderate
Magnitude of impact Year 1: Negligible beneficial
Significance of effect Year 1: Slight beneficial
Magnitude of impact Year 15: No change
Significance of effect Year 15: Neutral



09/07/2025		RhE	Issue for Stage Approval		RJ	JS
Rev	Date	Drawn	Description			Ch'k'd App'd
Status Stamp						
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<div></div>						
Client						
<div><p>Yn gwasilwio ar ym Uweddaueth Cymru Working on behalf of the Welsh Government</p></div>			<div><p>Asiant Cefnffyrdd Gogledd a Chanolbarth Cymru North & Mid Wales Trunk Road Agent</p></div>			
Title						
A494 River Dee Bridge Replacement Landscape and Visual Impact Figure 9.19 Representative Viewpoint 15 Baseline Sheet 01 of 01						
Designed	Rh. Edwards		RhE	Eng check	J. Stoddard	JS
Drawn	Rh. Edwards		RhE	Coordination	G. Morgan	GM
Dwg check	R. Jones		RJ	Approved	R. Griffiths	RG
MMD Project Number 395318			Scale at A3 n/a			Security STD
Suitability Description Suitable for Stage Approval						Suit. Code S4
Drawing Number 395318-RML-ZZ-XX-DR-L-9019						Revision A

Representative Viewpoint 16
Station Road Business Park



National Grid Reference: SJ 32050 68410
Date / Time: 06/02/2025, 16:05 hrs
Weather Conditions / Visibility: Direct sunlight / Very good
View Bearing: 80° (E)
Distance to Scheme: 0.1 km

Camera and Lens: Nikon D610 - 50 mm lens
Horizontal Field of View: 80°
Camera Height: 1.6 m
Recommended Viewing Distance: 300 mm

Existing 80° Stitched Panoramic Image

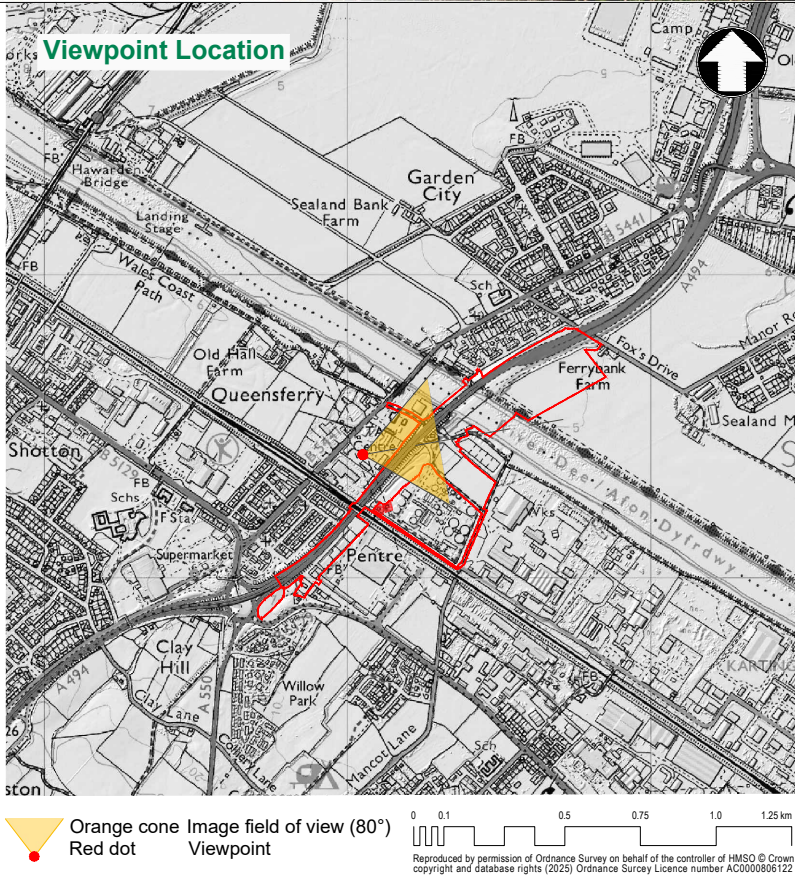
Viewing Instructions
This is a composite image made up of 5 No. 50 mm prime lens photographs, joined together to form an overall field of view which is wider than that seen in detail by the human eye.
For correct perspective viewing, this image should be viewed at a distance of 300 mm with one eye. This image should only be assessed in the real landscape from the same viewpoint.



Description of Location:
From a grassed area opposite the entrance to the builders' merchants in the business park. It represents the view available to office and retail workers and visitors to the business park.

Sensitivity of visual receptor
Susceptibility to change: Low
Value attached to view: Low
Sensitivity of receptor: Low

Visual effects during construction
Visual sensitivity: Low
Magnitude of impact : Minor adverse
Significance of effect : Slight adverse

Visual effects during operation
Visual sensitivity: Low
Magnitude of impact Year 1: Negligible beneficial
Significance of effect Year 1: Slight beneficial
Magnitude of impact Year 15: Minor beneficial
Significance of effect Year 15: Slight beneficial



09/07/2025		RhE	Issue for Stage Approval		RJ	JS
Rev	Date	Drawn	Description		Ch'k'd	App'd
Status Stamp						
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<div><div></div><div>RML</div></div>						
Client						
<div><div></div><div>Yn gweithio ar ran Llywodraeth Cymru Working on behalf of the Welsh Government</div></div>			<div><div></div><div>Asiant Cefnffyrdd Gogledd a Chanolbarth Cymru North & Mid Wales Trunk Road Agent</div></div>			
Title						
A494 River Dee Bridge Replacement Landscape and Visual Impact Figure 9.20 Representative Viewpoint 16 Baseline Sheet 01 of 01						
Designed	Rh. Edwards		RhE	Eng check	J. Stoddard	JS
Drawn	Rh. Edwards		RhE	Coordination	G. Morgan	GM
Dwg check	R. Jones		RJ	Approved	R. Griffiths	RG
MMD Project Number 395318			Scale at A3 n/a		Security STD	
Suitability Description Suitable for Stage Approval					Suit. Code S4	
Drawing Number 395318-RML-ZZ-XX-DR-L-9020					Revision A	

Representative Viewpoint 18
Bascule Bridge



National Grid Reference: SJ 32215 68660
Date / Time: 06/02/2025, 14:45 hrs
Weather Conditions / Visibility: Direct sunlight / Very good
View Bearing: 125° (SE)
Distance to Scheme: 0.1 km

Camera and Lens: Nikon D610 - 50 mm lens
Horizontal Field of View: 75°
Camera Height: 1.6 m
Recommended Viewing Distance: 300 mm

Existing 80° Stitched Panoramic Image

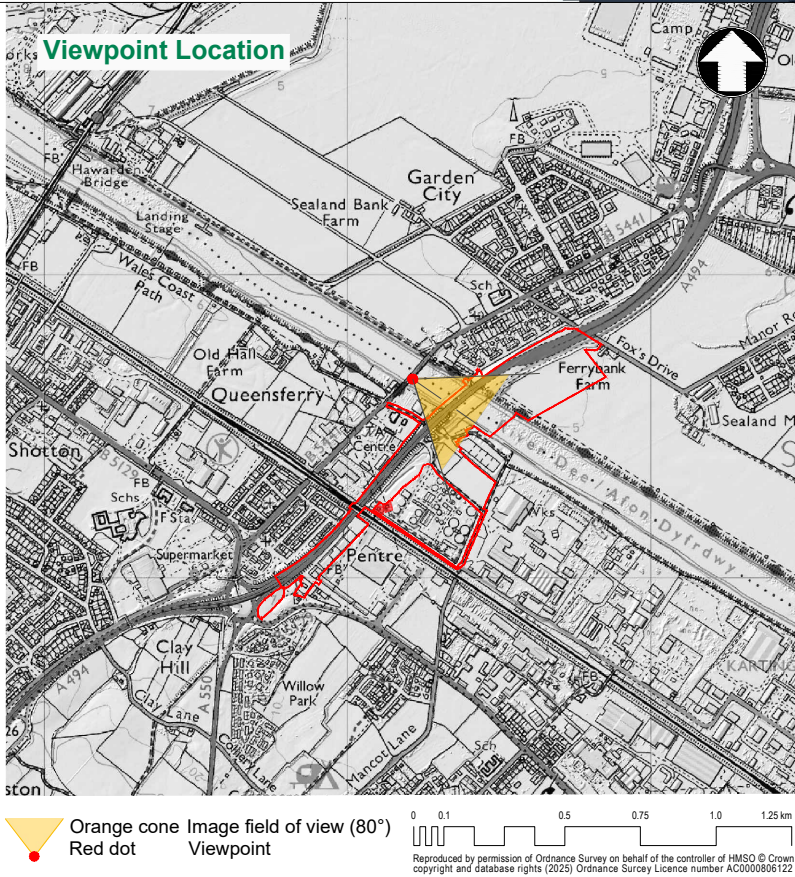
Viewing Instructions
This is a composite image made up of 4 No. 50 mm prime lens photographs, joined together to form an overall field of view which is wider than that seen in detail by the human eye.
For correct perspective viewing, this image should be viewed at a distance of 300 mm with one eye. This image should only be assessed in the real landscape from the same viewpoint.




Description of Location:
From the pavement on the bridge. The view is representative of one experienced by pedestrians crossing the bridge shared with traffic and an NCN route on the B5441 Station Road/Welsh Road. The Wales Coast Path crosses the Bascule Bridge. The view towards the A494 is indirect to the direction of travel. The view northward and downriver from Bascule Bridge are more interesting and features Hawarden Bridge, Flintshire Bridge, Connah's Quay Power Station and Shotton Steelworks. Hawarden Bridge provides another pedestrian crossing point shared with a cycle way

Sensitivity of visual receptor
Susceptibility to change: High
Value attached to view: Medium
Sensitivity of receptor: Moderate

Visual effects during construction
Visual sensitivity: Moderate
Magnitude of impact : Minor adverse
Significance of effect : Slight adverse

Visual effects during operation
Visual sensitivity: Moderate
Magnitude of impact Year 1: Negligible adverse
Significance of effect Year 1: Slight adverse
Magnitude of impact Year 15: No change
Significance of effect Year 15: Neutral



09/07/2025		RhE	Issue for Stage Approval	RJ	JS
Rev	Date	Drawn	Description	Ch'k'd	App'd
Status Stamp					
NOT FOR CONSTRUCTION					
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<div></div>					
Client					
<div><div>Yn gweithio ar ran Llywodraeth Cymru Working on behalf of the Welsh Government</div></div>			<div><div>Asiant Cefnffyrdd Gogledd a Chanolbarth Cymru North & Mid Wales Trunk Road Agent</div></div>		
Title					
A494 River Dee Bridge Replacement Landscape and Visual Impact Figure 9.21 Representative Viewpoint 18 Baseline Sheet 01 of 01					
Designed	Rh. Edwards	RhE	Eng check	J. Stoddard	JS
Drawn	Rh. Edwards	RhE	Coordination	G. Morgan	GM
Dwg check	R. Jones	RJ	Approved	R. Griffiths	RG
MMD Project Number		Scale at A3		Security	
395318		n/a		STD	
Suitability Description				Suit. Code	
Suitable for Stage Approval				S4	
Drawing Number				Revision	
395318-RML-ZZ-XX-DR-L-9021				A	



National Grid Reference: SJ 32305 68780
Date / Time: 06/02/2025, 15:10 hrs
Weather Conditions / Visibility: Direct sunlight / Very good
View Bearing: 160° (SSE)
Distance to Scheme: 0.1 km

Camera and Lens: Nikon D610 - 50 mm lens
Horizontal Field of View: 80°
Camera Height: 1.6 m
Recommended Viewing Distance: 300 mm

Existing 80° Stitched Panoramic Image

Viewing Instructions

This is a composite image made up of 5 No. 50 mm prime lens photographs, joined together to form an overall field of view which is wider than that seen in detail by the human eye.

For correct perspective viewing, this image should be viewed at a distance of 300 mm with one eye. This image should only be assessed in the real landscape from the same viewpoint.

Description of Location:

From the pavement on Welsh Road to the east of the Bascule Bridge. The view is representative of a transient one experienced by road users including pedestrians and cyclists. The view to the A494 is indirect to the direction of travel.

Sensitivity of visual receptor

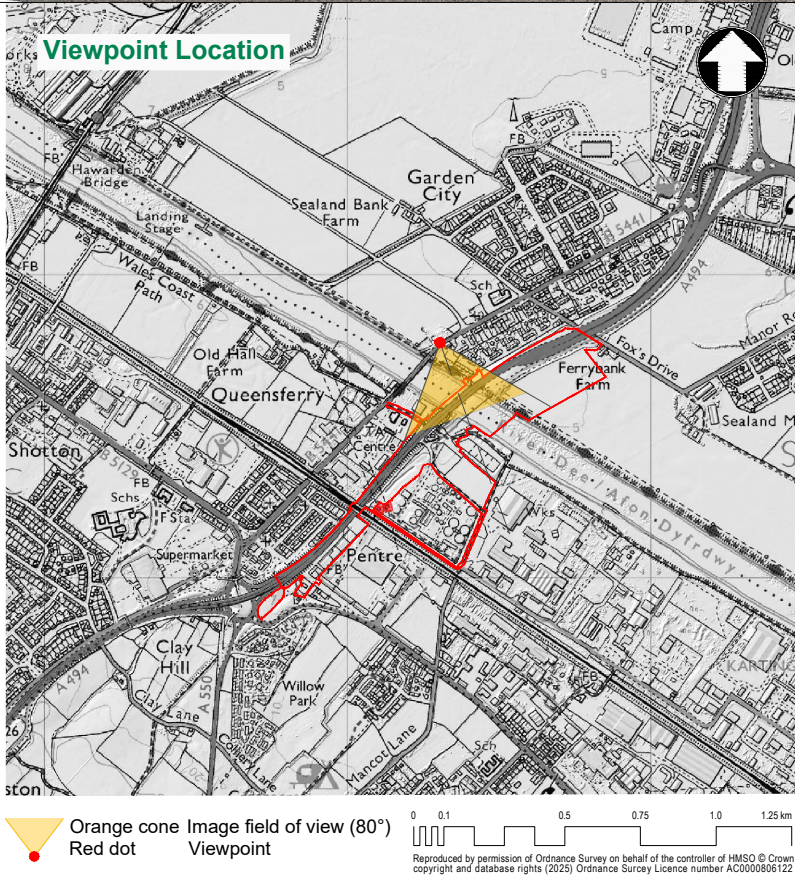
Susceptibility to change:	Low
Value attached to view:	Low
Sensitivity of receptor:	Low




Visual effects during construction

Visual sensitivity:	Moderate
Magnitude of impact :	Minor adverse
Significance of effect :	Slight adverse

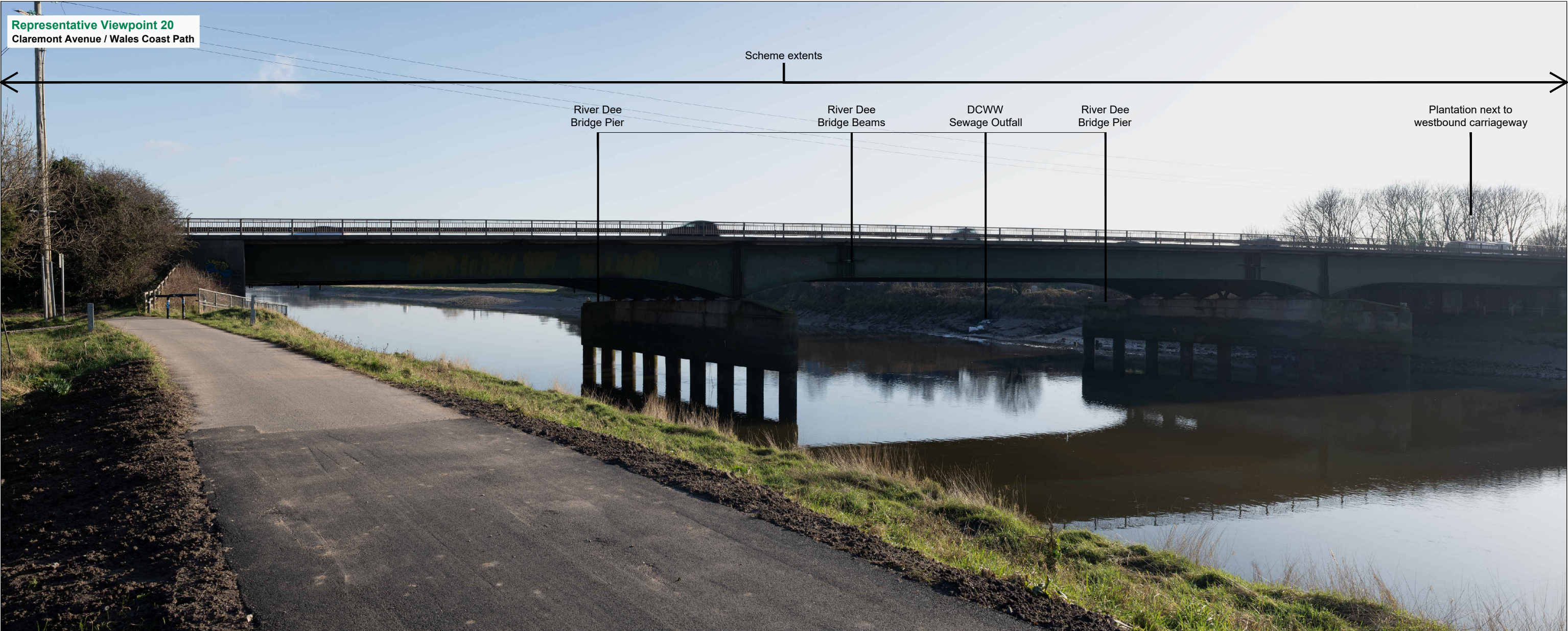
Visual effects during operation

Visual sensitivity:	Moderate
Magnitude of impact Year 1:	Negligible beneficial
Significance of effect Year 1:	Slight beneficial
Magnitude of impact Year 15:	Negligible beneficial
Significance of effect Year 15:	Slight beneficial



09/07/2025		RhE	Issue for Stage Approval		RJ	JS
Rev	Date	Drawn	Description			Ch'k'd App'd
Status Stamp						
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Client						
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Title						
A494 River Dee Bridge Replacement Landscape and Visual Impact Figure 9.22 Representative Viewpoint 19 Baseline Sheet 01 of 01						
Designed	Rh. Edwards		RhE	Eng check	J. Stoddard	JS
Drawn	Rh. Edwards		RhE	Coordination	G. Morgan	GM
Dwg check	R. Jones		RJ	Approved	R. Griffiths	RG
MMD Project Number 395318			Scale at A3 n/a			Security STD
Suitability Description Suitable for Stage Approval						Suit. Code S4
Drawing Number 395318-RML-ZZ-XX-DR-L-9022						Revision A

Representative Viewpoint 20
Claremont Avenue / Wales Coast Path



National Grid Reference: SJ 32365 68675
Date / Time: 06/02/2025, 15:25 hrs
Weather Conditions / Visibility: Direct sunlight / Very good
View Bearing: 160° (SSE)
Distance to Scheme: <0.1 km

Camera and Lens: Nikon D610 - 50 mm lens
Horizontal Field of View: 80°
Camera Height: 1.6 m
Recommended Viewing Distance: 300 mm

Existing 80° Stitched Panoramic Image

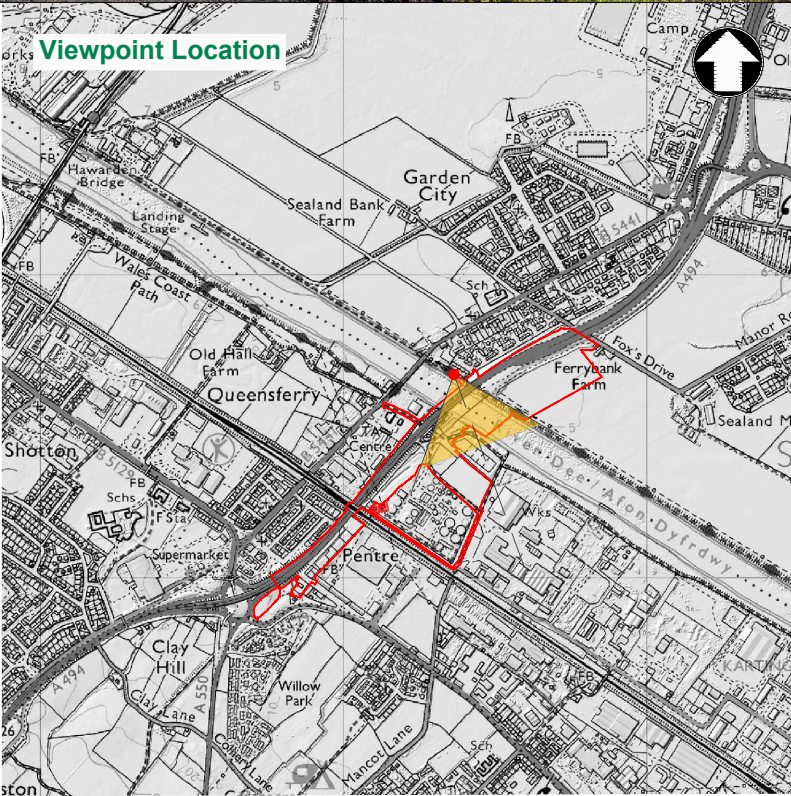
Viewing Instructions
This is a composite image made up of 5 No. 50 mm prime lens photographs, joined together to form an overall field of view which is wider than that seen in detail by the human eye.
For correct perspective viewing, this image should be viewed at a distance of 300 mm with one eye. This image should only be assessed in the real landscape from the same viewpoint.




Description of Location:
From the north embankment footpath in-between the Bascule and Dee bridges. The path is part of the Wales Coast Path and the Burton Marsh Greenway (also part of the NCN). The view is representative of a transient view for users of nationally promoted rights of way, and also one available from less densely populated areas.

Sensitivity of visual receptor
Susceptibility to change: High
Value attached to view: Medium
Sensitivity of receptor: Moderate

Visual effects during construction
Visual sensitivity: Moderate
Magnitude of impact : Major adverse
Significance of effect : Large adverse

Visual effects during operation
Visual sensitivity: Moderate
Magnitude of impact Year 1: Moderate adverse
Significance of effect Year 1: Moderate adverse
Magnitude of impact Year 15: Minor adverse
Significance of effect Year 15: Slight adverse



09/07/2025		RhE	Issue for Stage Approval	RJ	JS	
Rev	Date	Drawn	Description	Ch'k'd	App'd	
Status Stamp						
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<div></div>						
Client						
<div> Yn gweithio ar ran Llywodraeth Cymru Working on behalf of the Welsh Government</div>			<div> Asiant Cefnffyrdd Gogledd a Chanolbarth Cymru North & Mid Wales Trunk Road Agent</div>			
Title						
A494 River Dee Bridge Replacement Landscape and Visual Impact Figure 9.23 Representative Viewpoint 20 Baseline Sheet 01 of 01						
Designed	Rh. Edwards		RhE	Eng check	J. Stoddard	JS
Drawn	Rh. Edwards		RhE	Coordination	G. Morgan	GM
Dwg check	R. Jones		RJ	Approved	R. Griffiths	RG
MMD Project Number 395318			Scale at A3 n/a		Security STD	
Suitability Description Suitable for Stage Approval					Suit. Code S4	
Drawing Number 395318-RML-ZZ-XX-DR-L-9023					Revision A	



National Grid Reference: SJ 33265 68030
Date / Time: 05/02/2025, 12:45 hrs
Weather Conditions / Visibility: Cloudy / Good
View Bearing: 10° (N)
Distance to Scheme: 0.0 km

Camera and Lens: Nikon D610 - 50 mm lens
Horizontal Field of View: 80°
Camera Height: 1.6 m
Recommended Viewing Distance: 300 mm

Existing 80° Stitched Panoramic Image

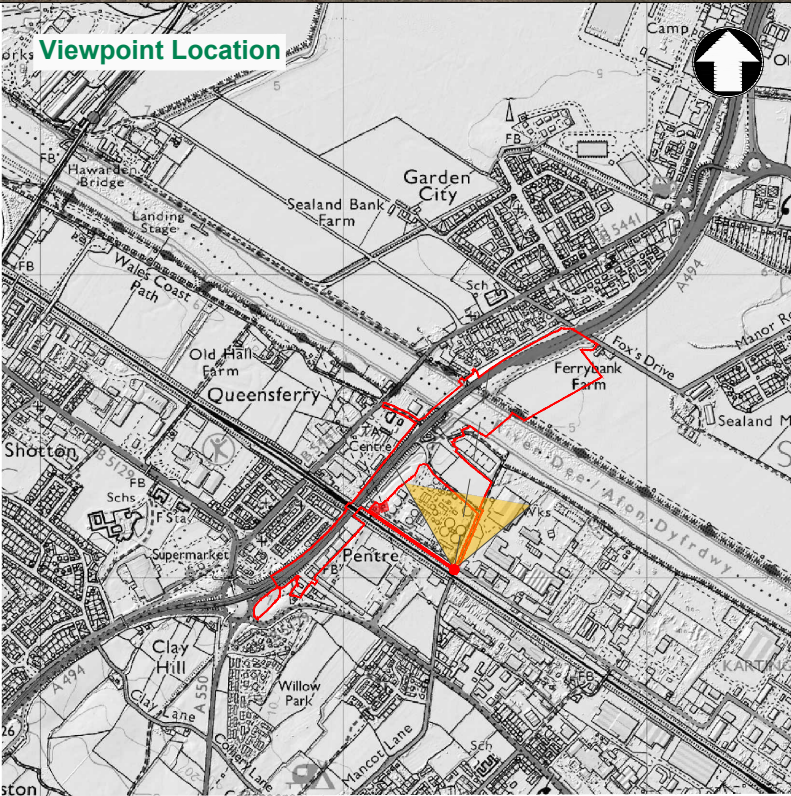
Viewing Instructions
This is a composite image made up of 5 No. 50 mm prime lens photographs, joined together to form an overall field of view which is wider than that seen in detail by the human eye.
For correct perspective viewing, this image should be viewed at a distance of 300 mm with one eye. This image should only be assessed in the real landscape from the same viewpoint.



Description of Location:
From the junction of Chemistry Lane and Factory Road near to where Chemistry Lane passes beneath the Chester and Holyhead railway line. The view is representative of one experienced by users of public footpaths of limited importance (West Saltney paths 3, 6 and 15 meet here), road users and industrial workers.

Sensitivity of visual receptor
Susceptibility to change: Medium
Value attached to view: Low
Sensitivity of receptor: Low

Visual effects during construction
Visual sensitivity: Low
Magnitude of impact : Minor adverse
Significance of effect : Slight adverse

Visual effects during operation
Visual sensitivity: Low
Magnitude of impact Year 1: Negligible beneficial
Significance of effect Year 1: Neutral
Magnitude of impact Year 15: Negligible beneficial
Significance of effect Year 15: Neutral



09/07/2025		RhE	Issue for Stage Approval		RJ	JS
Rev	Date	Drawn	Description			Ch'k'd App'd
Status Stamp						
NOT FOR CONSTRUCTION						
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<div><div></div><div>RML</div></div>						
Client						
<div><div></div><div>Yn gweithio ar ran Llywodraeth Cymru Working on behalf of the Welsh Government</div></div>			<div><div></div><div>Asiant Cefnffyrdd Gogledd a Chanolbarth Cymru North & Mid Wales Trunk Road Agent</div></div>			
Title						
A494 River Dee Bridge Replacement Landscape and Visual Impact Figure 9.24 Representative Viewpoint 21 Baseline Sheet 01 of 01						
Designed	Rh. Edwards		RhE	Eng check	J. Stoddard	JS
Drawn	Rh. Edwards		RhE	Coordination	G. Morgan	GM
Dwg check	R. Jones		RJ	Approved	R. Griffiths	RG
MMD Project Number 395318			Scale at A3 n/a			Security STD
Suitability Description Suitable for Stage Approval						Suit. Code S4
Drawing Number 395318-RML-ZZ-XX-DR-L-9024						Revision A

Representative Viewpoint 22
Wales Coast Path



National Grid Reference: SJ 33265 68030
Date / Time: 05/02/2025, 10:55 hrs
Weather Conditions / Visibility: Direct sunlight / Very good
View Bearing: 280° (W)
Distance to Scheme: 0.0 km

Camera and Lens: Nikon D610 - 50 mm lens
Horizontal Field of View: 80°
Camera Height: 1.6 m
Recommended Viewing Distance: 300 mm

Existing 80° Stitched Panoramic Image

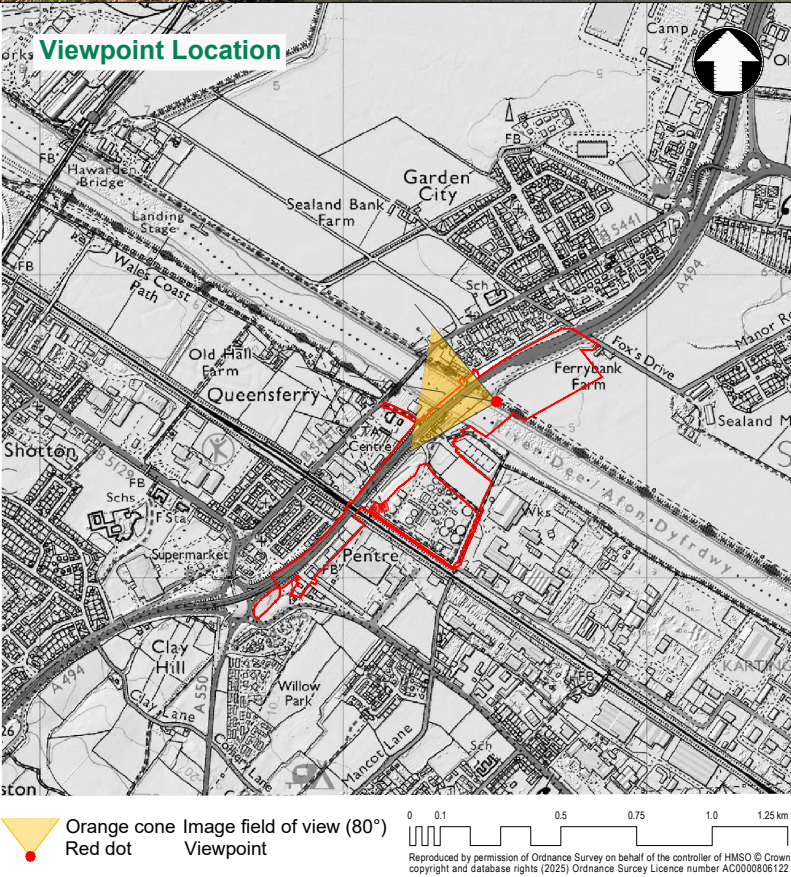
Viewing Instructions
This is a composite image made up of 5 No. 50 mm prime lens photographs, joined together to form an overall field of view which is wider than that seen in detail by the human eye.
For correct perspective viewing, this image should be viewed at a distance of 300 mm with one eye. This image should only be assessed in the real landscape from the same viewpoint.

Description of Location:
From the Wales Coast Path and Burton Marsh Greenway, at the junction with a shared use path that connects the River Dee to Foxes Lane and Sealand Road. The broad and uninterrupted view is representative of a transient one experienced by users of nationally promoted rights of way and cyclists using the path for leisure or commuting.

Sensitivity of visual receptor
Susceptibility to change: High
Value attached to view: Medium
Sensitivity of receptor: Moderate

Visual effects during construction
Visual sensitivity: Moderate
Magnitude of impact : Major adverse
Significance of effect : Large adverse

Visual effects during operation
Visual sensitivity: Moderate
Magnitude of impact Year 1: Moderate adverse
Significance of effect Year 1: Moderate adverse
Magnitude of impact Year 15: Minor adverse
Significance of effect Year 15: Slight adverse



Representative Viewpoint 23
Aston Quay landing stage



National Grid Reference: SJ 32535 68425
Date / Time: 05/02/2025, 13:30 hrs
Weather Conditions / Visibility: Cloudy / Good
View Bearing: 320° (NW)
Distance to Scheme: 0.1 km

Camera and Lens: Nikon D610 - 50 mm lens
Horizontal Field of View: 80°
Camera Height: 1.6 m
Recommended Viewing Distance: 300 mm

Existing 80° Stitched Panoramic Image

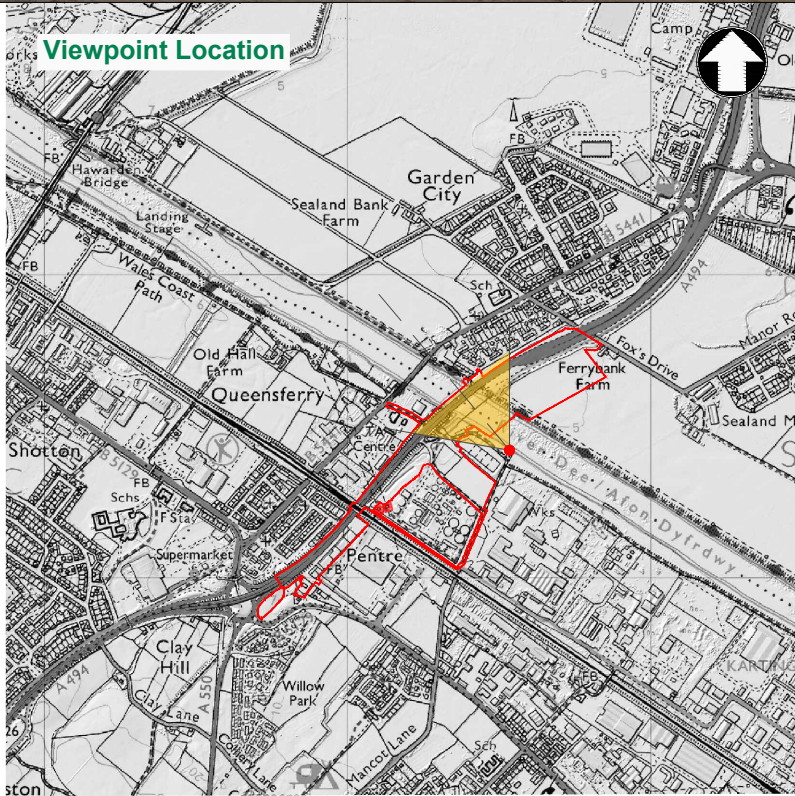
Viewing Instructions
This is a composite image made up of 5 No. 50 mm prime lens photographs, joined together to form an overall field of view which is wider than that seen in detail by the human eye.
For correct perspective viewing, this image should be viewed at a distance of 300 mm with one eye. This image should only be assessed in the real landscape from the same viewpoint.




Description of Location:
From an informal amenity area near to the remains of Aston Quay (near West Saltney path 7). The broad and uninterrupted view is representative of one experienced by users of public footpaths.

Sensitivity of visual receptor
Susceptibility to change: High
Value attached to view: Medium
Sensitivity of receptor: Moderate

Visual effects during construction
Visual sensitivity: Moderate
Magnitude of impact : Moderate adverse
Significance of effect : Moderate adverse

Visual effects during operation
Visual sensitivity: Moderate
Magnitude of impact Year 1: Minor adverse
Significance of effect Year 1: Slight adverse
Magnitude of impact Year 15: Negligible adverse
Significance of effect Year 15: Neutral



09/07/2025		RhE	Issue for Stage Approval		RJ	JS
Rev	Date	Drawn	Description			Ch'k'd App'd
Status Stamp						
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<div> Yn gweithio ar ran Llywodraeth Cymru Working on behalf of the Welsh Government</div>			<div> Asiant Cefnffyrdd Gogledd a Chanolbarth Cymru North & Mid Wales Trunk Road Agent</div>			
Title						
A494 River Dee Bridge Replacement Landscape and Visual Impact Figure 9.26 Representative Viewpoint 23 Baseline Sheet 01 of 01						
Designed	Rh. Edwards		RhE	Eng check	J. Stoddard	JS
Drawn	Rh. Edwards		RhE	Coordination	G. Morgan	GM
Dwg check	R. Jones		RJ	Approved	R. Griffiths	RG
MMD Project Number 395318			Scale at A3 n/a			Security STD
Suitability Description Suitable for Stage Approval						Suit. Code S4
Drawing Number 395318-RML-ZZ-XX-DR-L-9026						Revision A

Representative Viewpoint 24
Ferrybank Farm



National Grid Reference: SJ 32780 68760
Date / Time: 05/02/2025, 11:10 hrs
Weather Conditions / Visibility: Direct sunlight / Very good
View Bearing: 250° (WSW)
Distance to Scheme: 0.0 km

Camera and Lens: Nikon D610 - 50 mm lens
Horizontal Field of View: 80°
Camera Height: 1.6 m
Recommended Viewing Distance: 300 mm

Existing 80° Stitched Panoramic Image

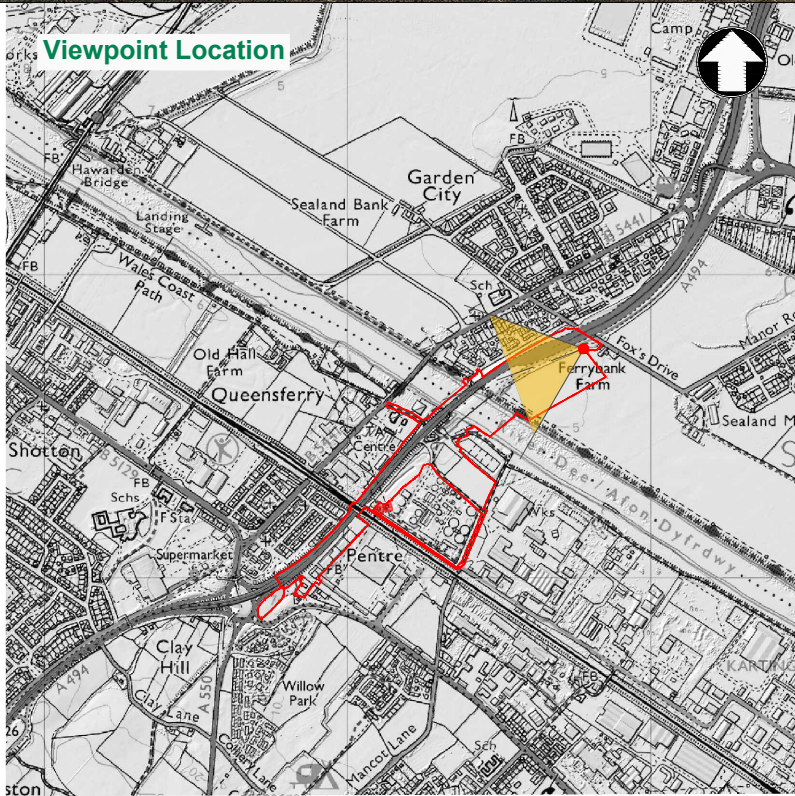
Viewing Instructions
This is a composite image made up of 5 No. 50 mm prime lens photographs, joined together to form an overall field of view which is wider than that seen in detail by the human eye.
For correct perspective viewing, this image should be viewed at a distance of 300 mm with one eye. This image should only be assessed in the real landscape from the same viewpoint.



Description of Location:
From a shared use path running parallel to the A494 that connects Foxes Lane to the Wales Coast Path/Burton Marsh Greenway along the Dee Canal northern embankment, near to Ferrybank Farm. Represents a transient view available to pedestrians and cyclists, outdoor workers and static view from less densely populated areas from flat lowland reclaimed saltmarsh.

Sensitivity of visual receptor
Susceptibility to change: Medium
Value attached to view: Low
Sensitivity of receptor: Low

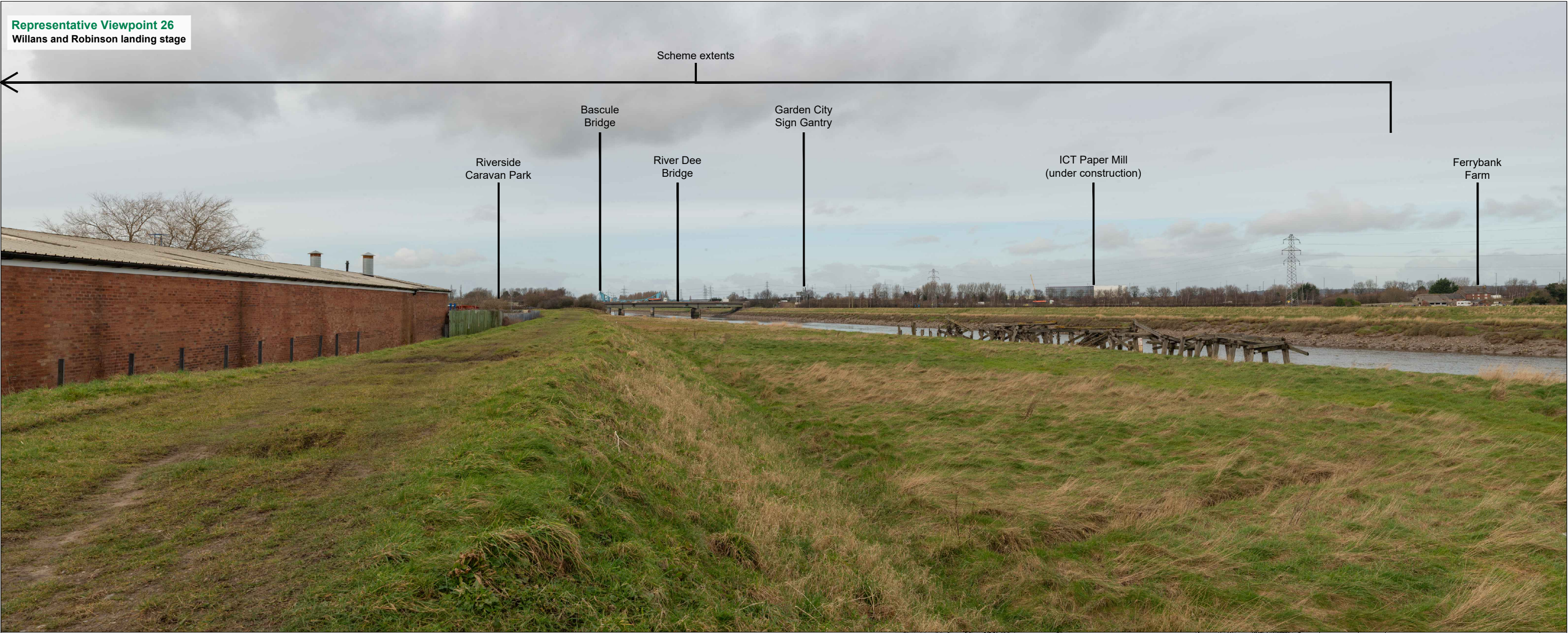
Visual effects during construction
Visual sensitivity: Low
Magnitude of impact : Major adverse
Significance of effect : Moderate adverse

Visual effects during operation
Visual sensitivity: Low
Magnitude of impact Year 1: Moderate adverse
Significance of effect Year 1: Slight adverse
Magnitude of impact Year 15: Negligible adverse
Significance of effect Year 15: Neutral



09/07/2025		RhE	Issue for Stage Approval		RJ	JS
Rev	Date	Drawn	Description		Ch'k'd	App'd
Status Stamp						
NOT FOR CONSTRUCTION						
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<div><div></div><div>RML</div></div>						
Client						
<div><div></div><div>Yn gweithio ar ran Llywodraeth Cymru Working on behalf of the Welsh Government</div></div>			<div><div></div><div>Asiant Cefnffyrdd Gogledd a Chanolbarth Cymru North & Mid Wales Trunk Road Agent</div></div>			
Title						
A494 River Dee Bridge Replacement Landscape and Visual Impact Figure 9.27 Representative Viewpoint 24 Baseline Sheet 01 of 01						
Designed	Rh. Edwards		RhE	Eng check	J. Stoddard	JS
Drawn	Rh. Edwards		RhE	Coordination	G. Morgan	GM
Dwg check	R. Jones		RJ	Approved	R. Griffiths	RG
MMD Project Number 395318			Scale at A3 n/a			Security STD
Suitability Description Suitable for Stage Approavl					Suit. Code S4	
Drawing Number 395318-RML-ZZ-XX-DR-L-9027					Revision A	

Representative Viewpoint 26
Willans and Robinson landing stage



National Grid Reference: SJ 32910 68150
Date / Time: 05/02/2025, 13:15 hrs
Weather Conditions / Visibility: Cloudy / Good
View Bearing: 315° (NW)
Distance to Scheme: 0.5 km

Camera and Lens: Nikon D610 - 50 mm lens
Horizontal Field of View: 80°
Camera Height: 1.6 m
Recommended Viewing Distance: 300 mm

Existing 80° Stitched Panoramic Image

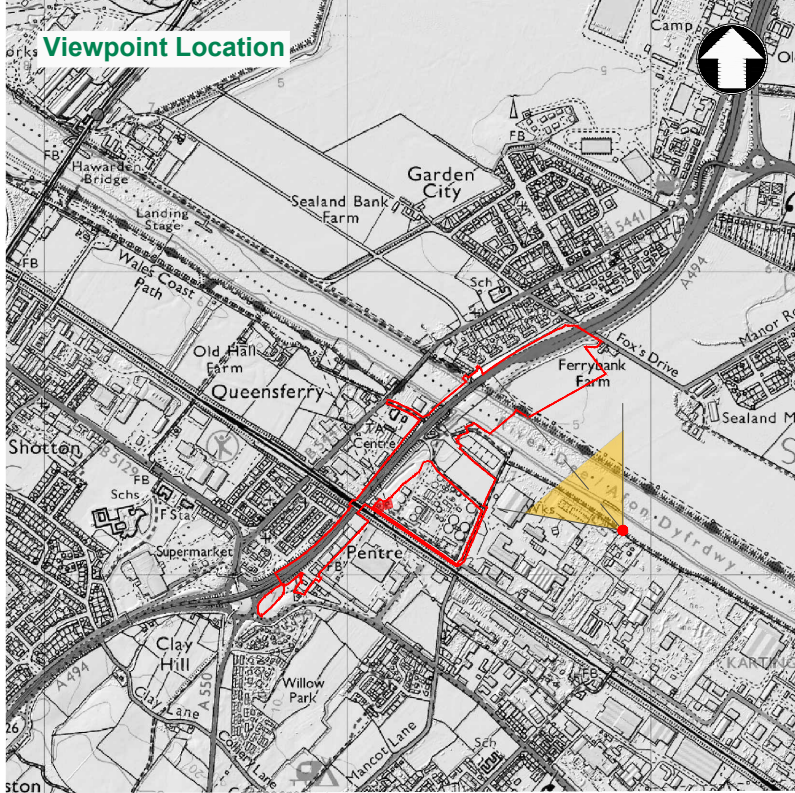
Viewing Instructions
This is a composite image made up of 5 No. 50 mm prime lens photographs, joined together to form an overall field of view which is wider than that seen in detail by the human eye.
For correct perspective viewing, this image should be viewed at a distance of 300 mm with one eye. This image should only be assessed in the real landscape from the same viewpoint.




Description of Location:
From an informal amenity area and public footpath (West Saltney path 7), near to the remains of a landing stage associated with the Grade II listed factory buildings. The factory once manufactured specialist steels before becoming a munitions factory during World War I. The broad and uninterrupted view is representative of one experienced by users of public footpaths and workers at Factory Road.

Sensitivity of visual receptor
Susceptibility to change: High
Value attached to view: Medium
Sensitivity of receptor: Moderate

Visual effects during construction
Visual sensitivity: Moderate
Magnitude of impact : Moderate adverse
Significance of effect : Moderate adverse

Visual effects during operation
Visual sensitivity: Moderate
Magnitude of impact Year 1: Minor adverse
Significance of effect Year 1: Slight adverse
Magnitude of impact Year 15: Negligible adverse
Significance of effect Year 15: Neutral



09/07/2025		RhE	Issue for Stage Approval		RJ	JS	
Rev	Date	Drawn	Description			Ch'k'd	App'd
Status Stamp							
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Title							
A494 River Dee Bridge Replacement Landscape and Visual Impact Figure 9.28 Representative Viewpoint 26 Baseline Sheet 01 of 01							
Designed	Rh. Edwards		RhE	Eng check	J. Stoddard	JS	
Drawn	Rh. Edwards		RhE	Coordination	G. Morgan	GM	
Dwg check	R. Jones		RJ	Approved	R. Griffiths	RG	
MMD Project Number 395318			Scale at A3 n/a			Security STD	
Suitability Description Suitable for Stage Approval						Suit. Code S4	
Drawing Number 395318-RML-ZZ-XX-DR-L-9028						Revision A	

Representative Viewpoint 27
Foxes Lane / Manor Road



National Grid Reference: SJ 333080 68635
Date / Time: 05/02/2025, 11:45 hrs
Weather Conditions / Visibility: Direct sunlight / Very good
View Bearing: 265° (W)
Distance to Scheme: 0.2 km

Camera and Lens: Nikon D610 - 50 mm lens
Horizontal Field of View: 80°
Camera Height: 1.6 m
Recommended Viewing Distance: 300 mm

Existing 80° Stitched Panoramic Image

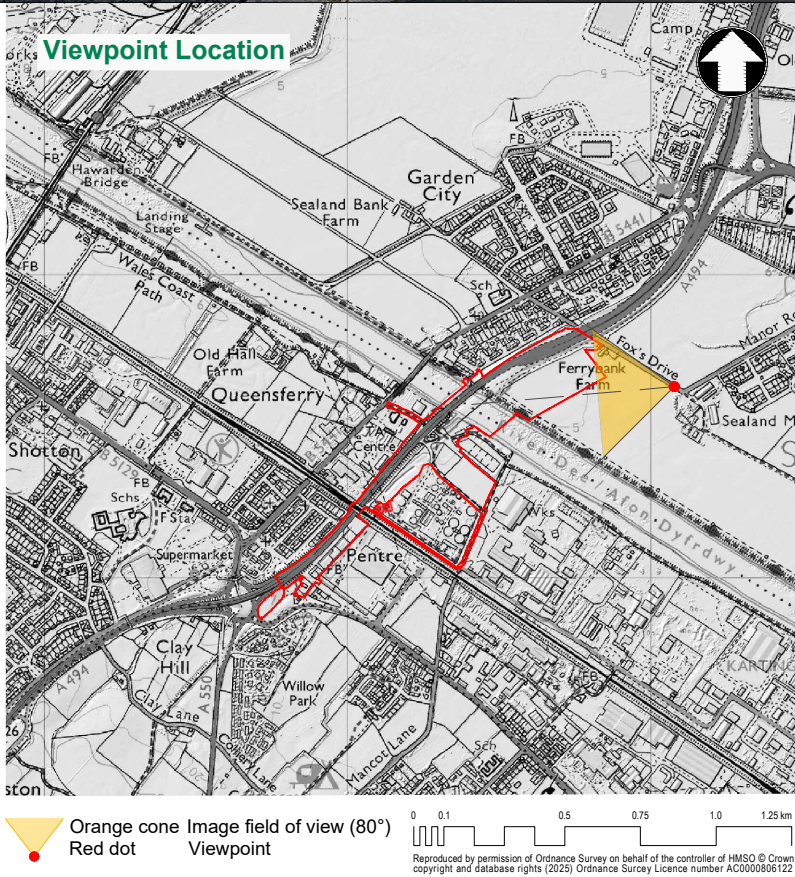
Viewing Instructions
This is a composite image made up of 5 No. 50 mm prime lens photographs, joined together to form an overall field of view which is wider than that seen in detail by the human eye.
For correct perspective viewing, this image should be viewed at a distance of 300 mm with one eye. This image should only be assessed in the real landscape from the same viewpoint.




Description of Location:
From the footpath that runs alongside Foxes Lane near to the junction with Manor Road. Representative of the view available to outdoor workers, users of footpaths of limited importance and road users in a flat open reclaimed saltmarsh landscape.

Sensitivity of visual receptor
Susceptibility to change: Medium
Value attached to view: Low
Sensitivity of receptor: Low

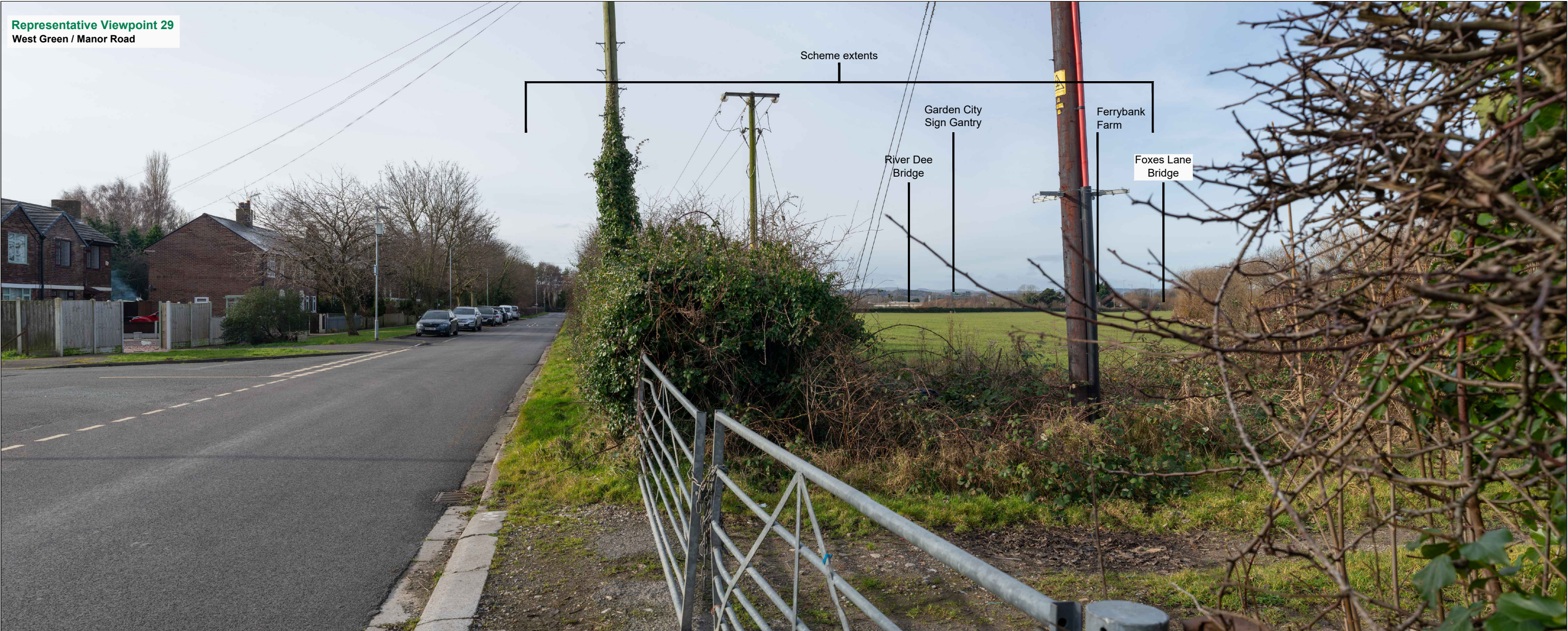
Visual effects during construction
Visual sensitivity: Low
Magnitude of impact : Moderate adverse
Significance of effect : Slight adverse

Visual effects during operation
Visual sensitivity: Low
Magnitude of impact Year 1: Minor adverse
Significance of effect Year 1: Slight adverse
Magnitude of impact Year 15: Negligible adverse
Significance of effect Year 15: Neutral



09/07/2025		RhE	Issue for Stage Approval		RJ	JS	
Rev	Date	Drawn	Description			Ch'k'd	App'd
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Title							
A494 River Dee Bridge Replacement Landscape and Visual Impact Figure 9.29 Representative Viewpoint 27 Baseline Sheet 01 of 01							
Designed	Rh. Edwards		RhE	Eng check	J. Stoddard	JS	
Drawn	Rh. Edwards		RhE	Coordination	G. Morgan	GM	
Dwg check	R. Jones		RJ	Approved	R. Griffiths	RG	
MMD Project Number 395318			Scale at A3 n/a			Security STD	
Suitability Description Suitable for Stage Approval						Suit. Code S4	
Drawing Number 395318-RML-ZZ-XX-DR-L-9029						Revision A	

Representative Viewpoint 29
West Green / Manor Road



National Grid Reference: SJ 33330 68745
Date / Time: 05/02/2025, 12:00 hrs
Weather Conditions / Visibility: Direct sunlight / Very good
View Bearing: 255° (WSW)
Distance to Scheme: 0.5 km

Camera and Lens: Nikon D610 - 50 mm lens
Horizontal Field of View: 80°
Camera Height: 1.6 m
Recommended Viewing Distance: 300 mm

Existing 80° Stitched Panoramic Image

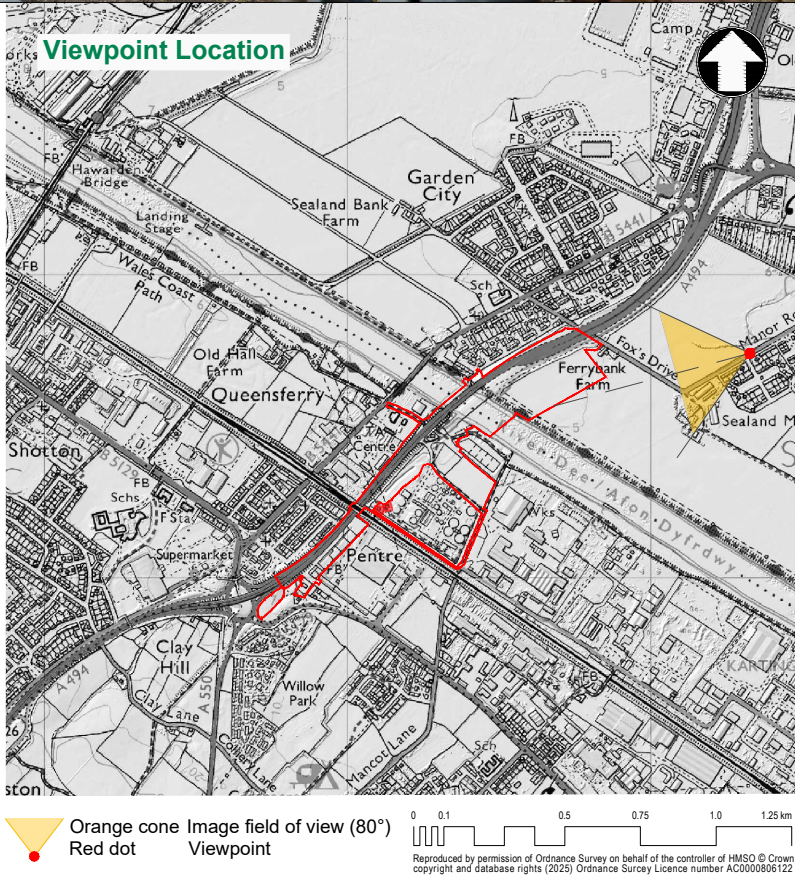
Viewing Instructions
This is a composite image made up of 5 No. 50 mm prime lens photographs, joined together to form an overall field of view which is wider than that seen in detail by the human eye.
For correct perspective viewing, this image should be viewed at a distance of 300 mm with one eye. This image should only be assessed in the real landscape from the same viewpoint.

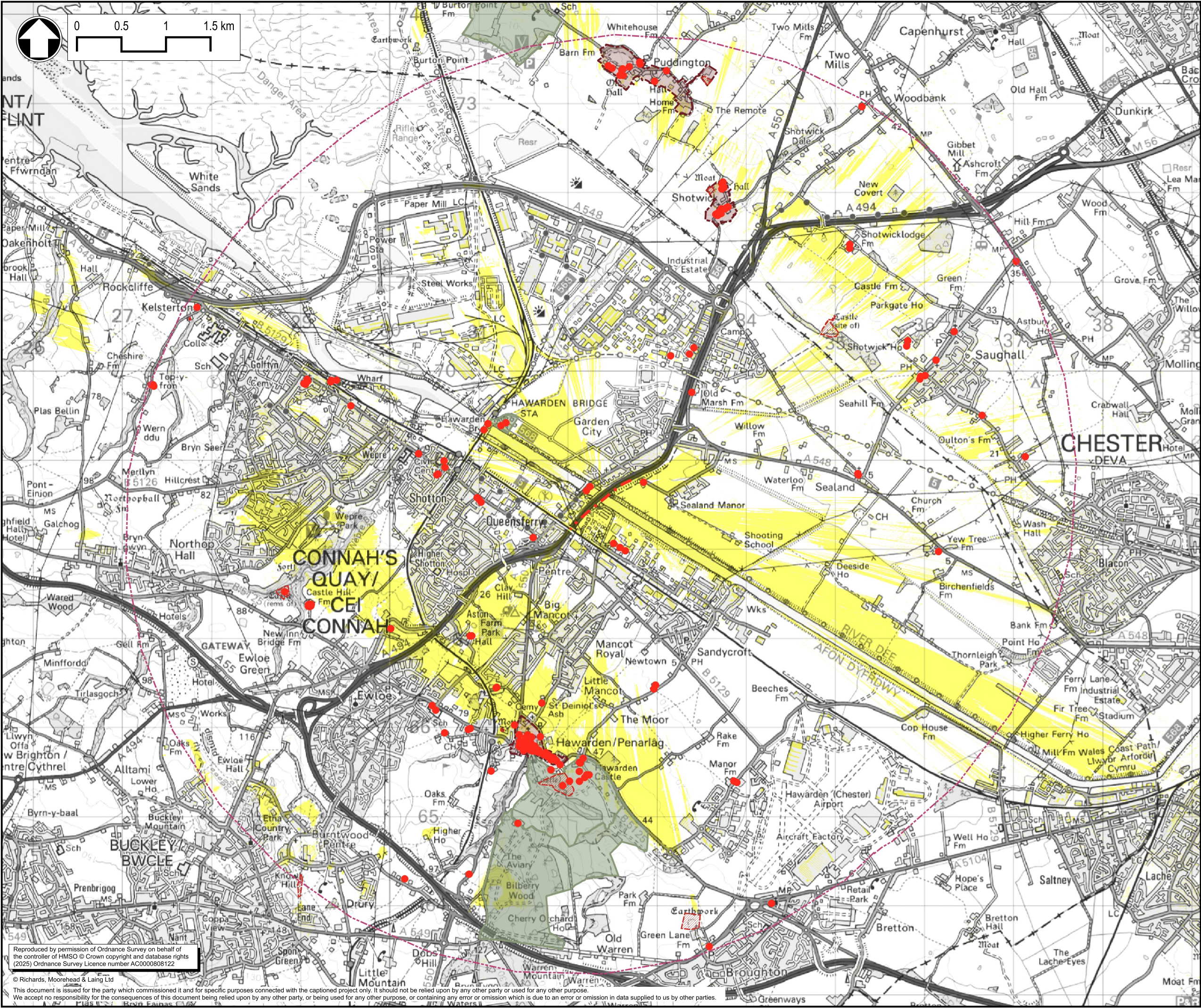
Description of Location:
From a field access gateway opposite 11 West Green on Manor Road. It represents the view from residents within less densely populated areas with northward aspects.

Sensitivity of visual receptor
Susceptibility to change: Medium
Value attached to view: Low
Sensitivity of receptor: Low

Visual effects during construction
Visual sensitivity: Low
Magnitude of impact : Minor adverse
Significance of effect : Slight adverse

Visual effects during operation
Visual sensitivity: Low
Magnitude of impact Year 1: Minor adverse
Significance of effect Year 1: Slight adverse
Magnitude of impact Year 15: No change
Significance of effect Year 15: Neutral





- Notes
1. This drawing details the current Preliminary Design at Key Stage 3 of Welsh Government's Linear Key Stage Approval Process and is subject to further detail design development in subsequent key stages.
 2. This drawing is to be read in conjunction with all other related Mott MacDonald and RML drawings and specifications.
 3. Unless otherwise stated all dimensions are in metres and all levels are in metres Above Ordnance Datum (AOD).
 4. Information on this drawing is based on topographical data received from PM Survey in 2018 for the site area and OS mapping data for all other areas.

- Key to symbols
- Proposed Scheme centre line
 - Fixed distance buffer (5 km)
 - Listed Building
 - Scheduled Monument
 - Conservation Area
 - Registered Historic Park and Garden
 - Zone of Theoretical Visibility

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P01	21/07/2025	RhE	Issue for stage approval	JS	RG
Rev	Date	Drawn	Description	Ch'kd	App'd
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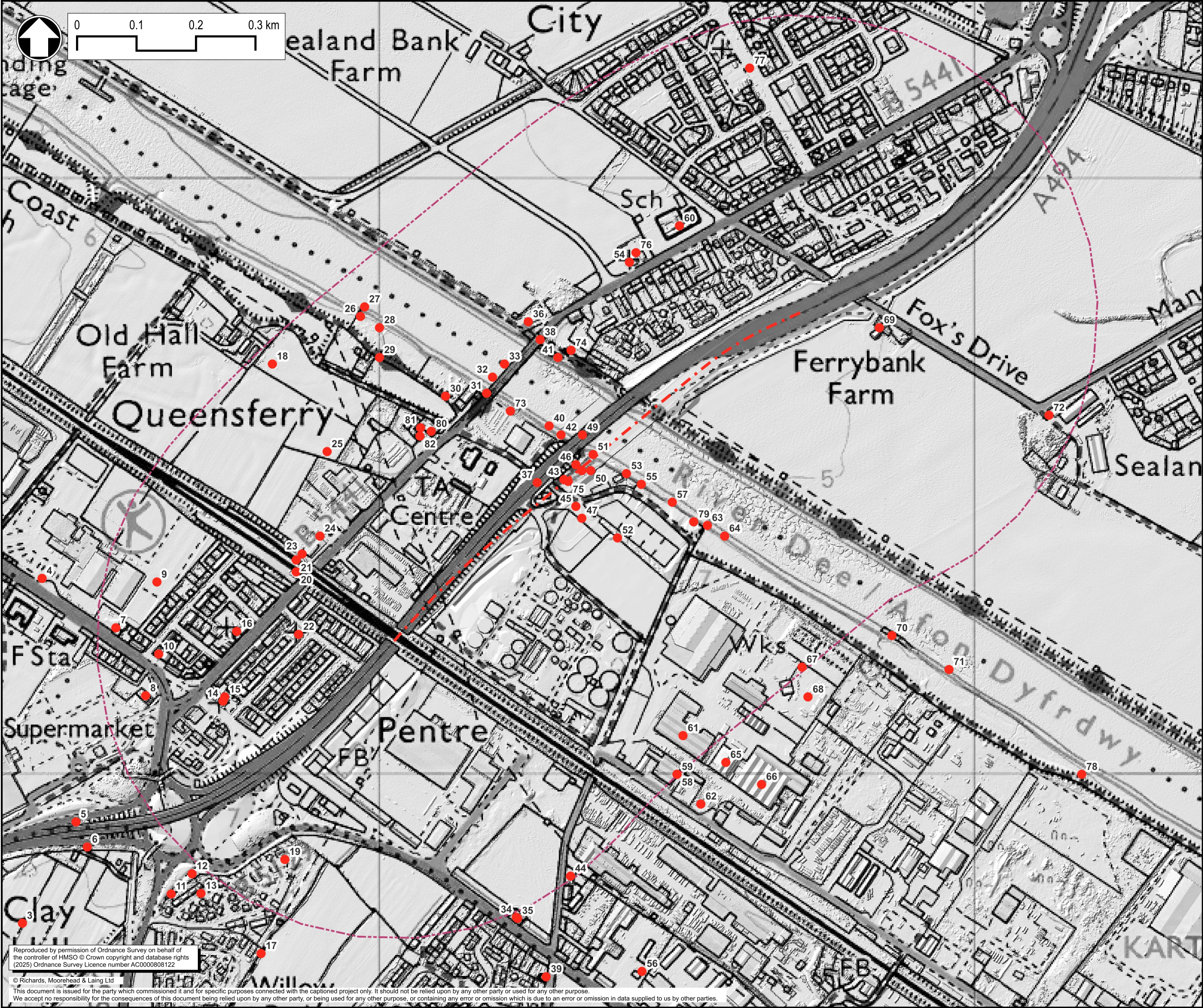
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North & Mid Wales Trunk Road Agent

Title
A494 River Dee Bridge Replacement
Archaeology and Cultural Heritage
Figure 10.1
Designated Sites
Sheet 1 of 1

Designed	D. Maynard	DM	Eng check	J. Stoddard	JS
Drawn	Rh. Edwards	RhE	Coordination	G. Morgan	GM
Dwg check	D. Maynard	DM	Approved	R. Griffiths	RG
MMD Project Number	395318	Scale at A3	1:40,000	Security	STD
Suitability Description	Suitable for Stage Approval				Suit. Code S4
Drawing Number	395318-RML-ZZ-XX-DR-Y-1001				Revision P01

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 2. This drawing is to be read in conjunction with all other related Mott MacDonald and RML drawings and specifications.
 3. Unless otherwise stated all dimensions are in metres and all levels are in metres Above Ordnance Datum (AOD).
 4. Information on this drawing is based on topographical data received from PM Survey in 2018 for the site area and OS mapping data for all other areas.

- Key to symbols
- Proposed Scheme centre line
 - Fixed distance buffer (0.5 km)
 - Heritage Assets

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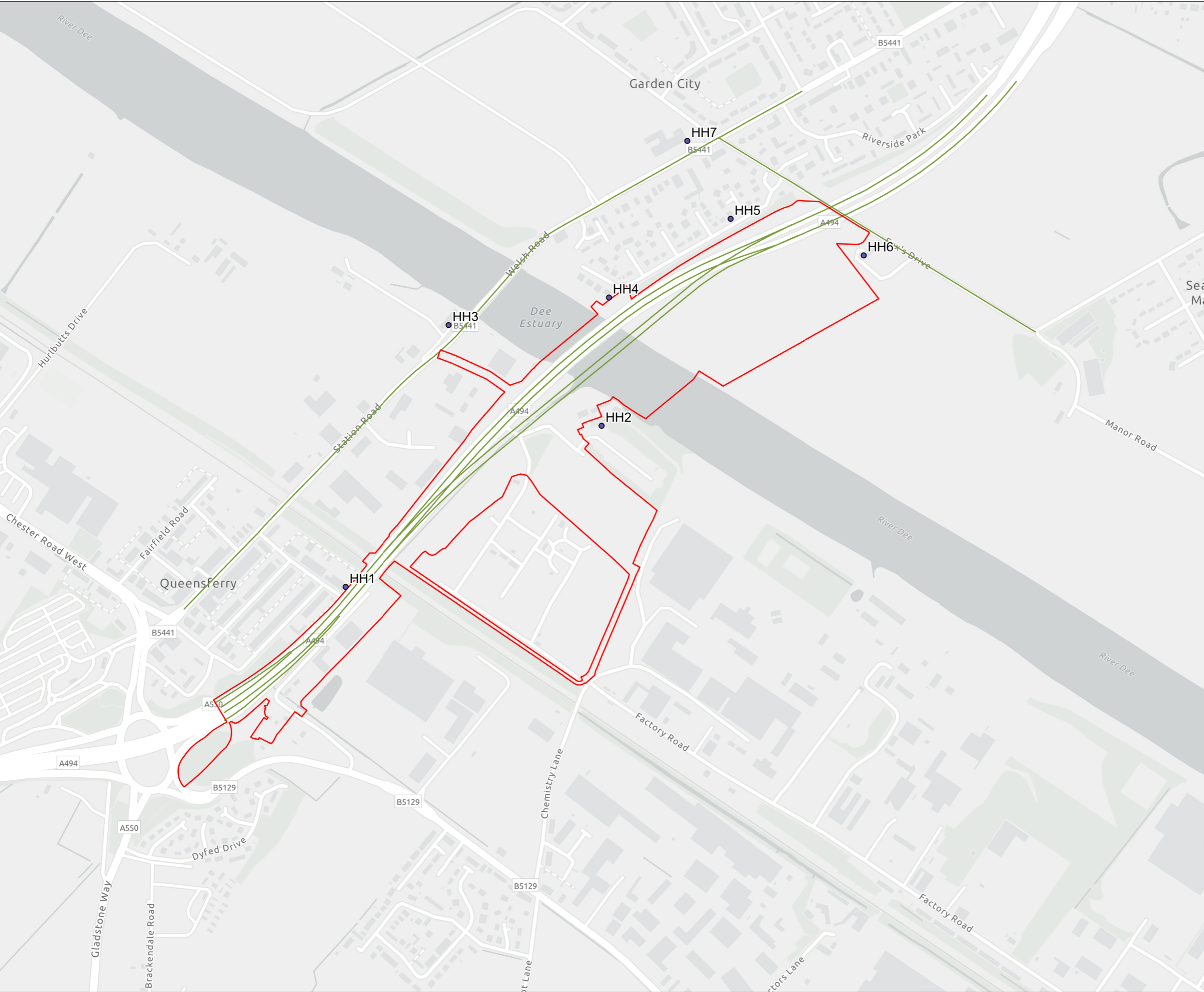
Title

A494 River Dee Bridge Replacement
Archaeology and Cultural Heritage
Figure 10.2
Heritage Assets
Sheet 1 of 1

Designed	D. Maynard	DM	Eng check	J. Stoddard	JS
Drawn	Rh. Edwards	RhE	Coordination	G. Morgan	GM
Dwg check	D. Maynard	DM	Approved	R. Griffiths	RG
MMD Project Number	395318	Scale at A3	1:6,000	Security	STD
Suitability Description	Suitable for Stage Approval	Suit. Code	S4	Revision	P01
Drawing Number	395318-RML-ZZ-XX-DR-Y-1001				

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- Scheme Boundary
- Human health receptor
- Modelled road network

Coordinate system: British National Grid; Datum: OSGB 1936

Data sources: Esri Community Maps Contributors, Esri UK, Esri, TomTom, Garmin, Foursquare, GeoTechnologies, Inc, METI/NASA, USGS, Esri UK, Esri, TomTom, Garmin, Foursquare, METI/NASA, USGS



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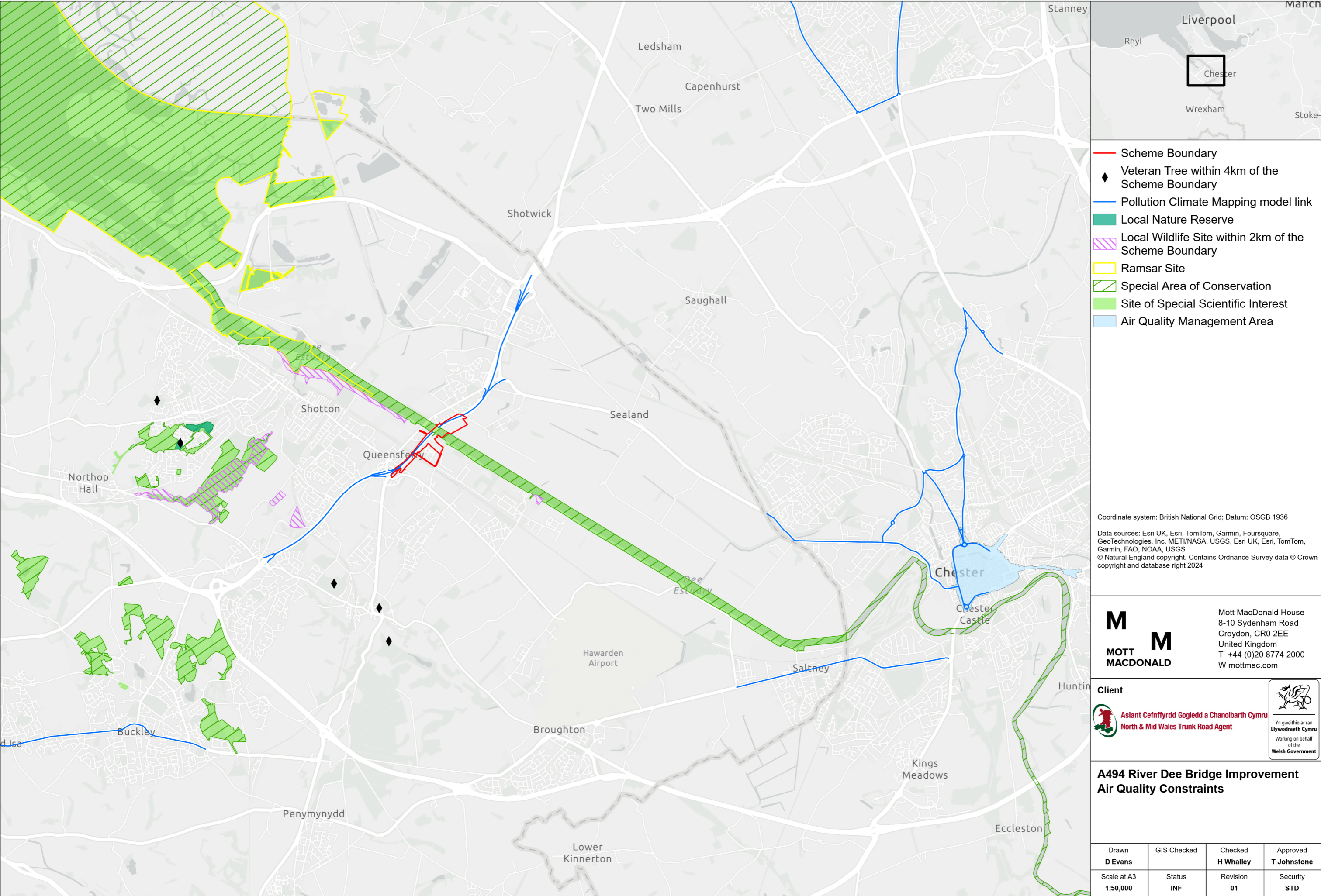
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A494 River Dee Bridge Improvement
Air Quality Receptors

Drawn D Evans	GIS Checked	Checked H Whalley	Approved T Johnstone
Scale at A3 1:6,000	Status INF	Revision 01	Security STD




- Scheme Boundary
- Veteran Tree within 4km of the Scheme Boundary
- Pollution Climate Mapping model link
- Local Nature Reserve
- Local Wildlife Site within 2km of the Scheme Boundary
- Ramsar Site
- Special Area of Conservation
- Site of Special Scientific Interest
- Air Quality Management Area

Coordinate system: British National Grid; Datum: OSGB 1936

Data sources: Esri UK, Esri, TomTom, Garmin, Foursquare, GeoTechnologies, Inc, METI/NASA, USGS, Esri UK, Esri, TomTom, Garmin, FAO, NOAA, USGS

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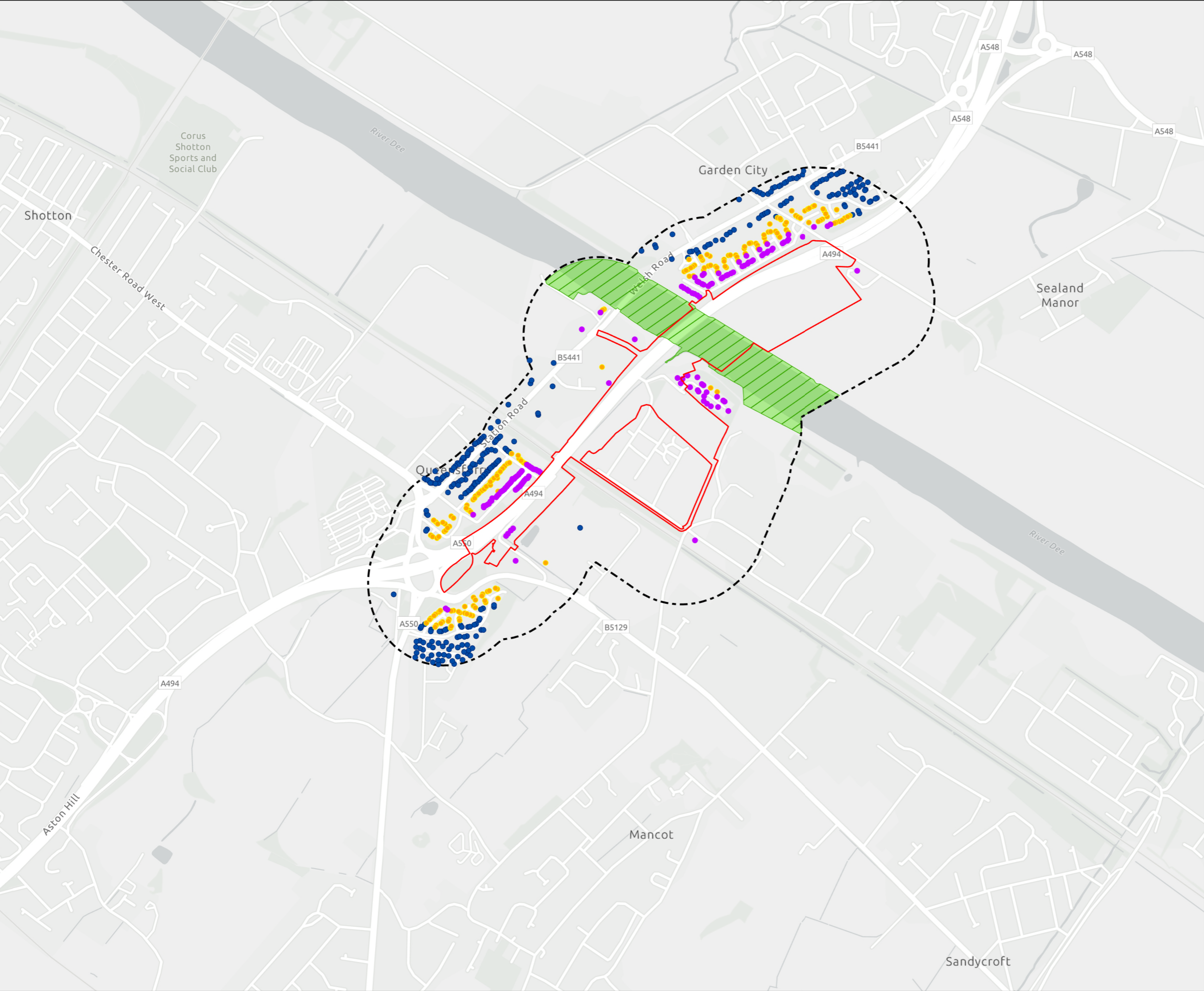
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A494 River Dee Bridge Improvement
Air Quality Constraints

Drawn D Evans	GIS Checked	Checked H Whalley	Approved T Johnstone
Scale at A3 1:50,000	Status INF	Revision 01	Security STD




- Scheme Boundary
- 200m construction dust buffer
- Human health receptor under 50m
- Human health receptor under 50-100m
- Human health receptor under 100-200m
- Special Area of Conservation within 200m
- Site of Special Scientific Interest within 200m

Coordinate system: British National Grid; Datum: OSGB 1936

Data sources: Esri Community Maps Contributors, Esri UK, Esri, TomTom, Garmin, Foursquare, GeoTechnologies, Inc, METI/NASA, USGS, Esri UK, Esri, TomTom, Garmin, Foursquare, METI/NASA, USGS

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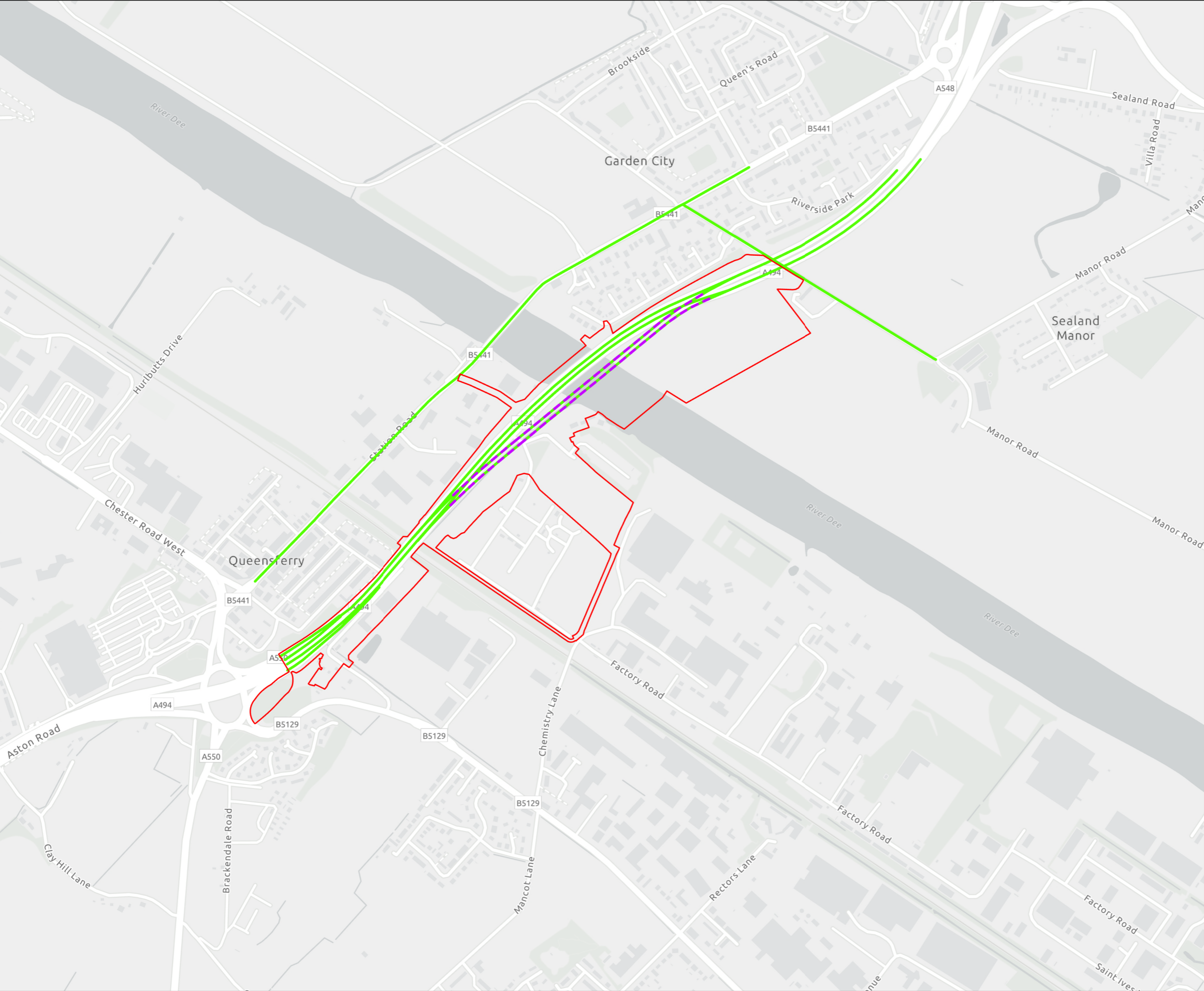
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A494 River Dee Bridge Improvement
Air Quality Construction Dust Buffer

Drawn D Evans	GIS Checked	Checked H Whalley	Approved T Johnstone
Scale at A3 1:10,000	Status INF	Revision 01	Security STD




Figure 11-3



- Scheme Boundary
- Affected road network
- Modelled road network

Coordinate system: British National Grid; Datum: OSGB 1936

Data sources: Esri Community Maps Contributors, Esri UK, Esri, TomTom, Garmin, Foursquare, GeoTechnologies, Inc, METI/NASA, USGS, Esri UK, Esri, TomTom, Garmin, Foursquare, METI/NASA, USGS



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A494 River Dee Bridge Improvement
Air Quality Affected Road Network

Drawn D Evans	GIS Checked	Checked H Whalley	Approved T Johnstone
Scale at A3 1:7,500	Status INF	Revision 01	Security STD

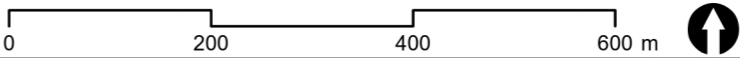
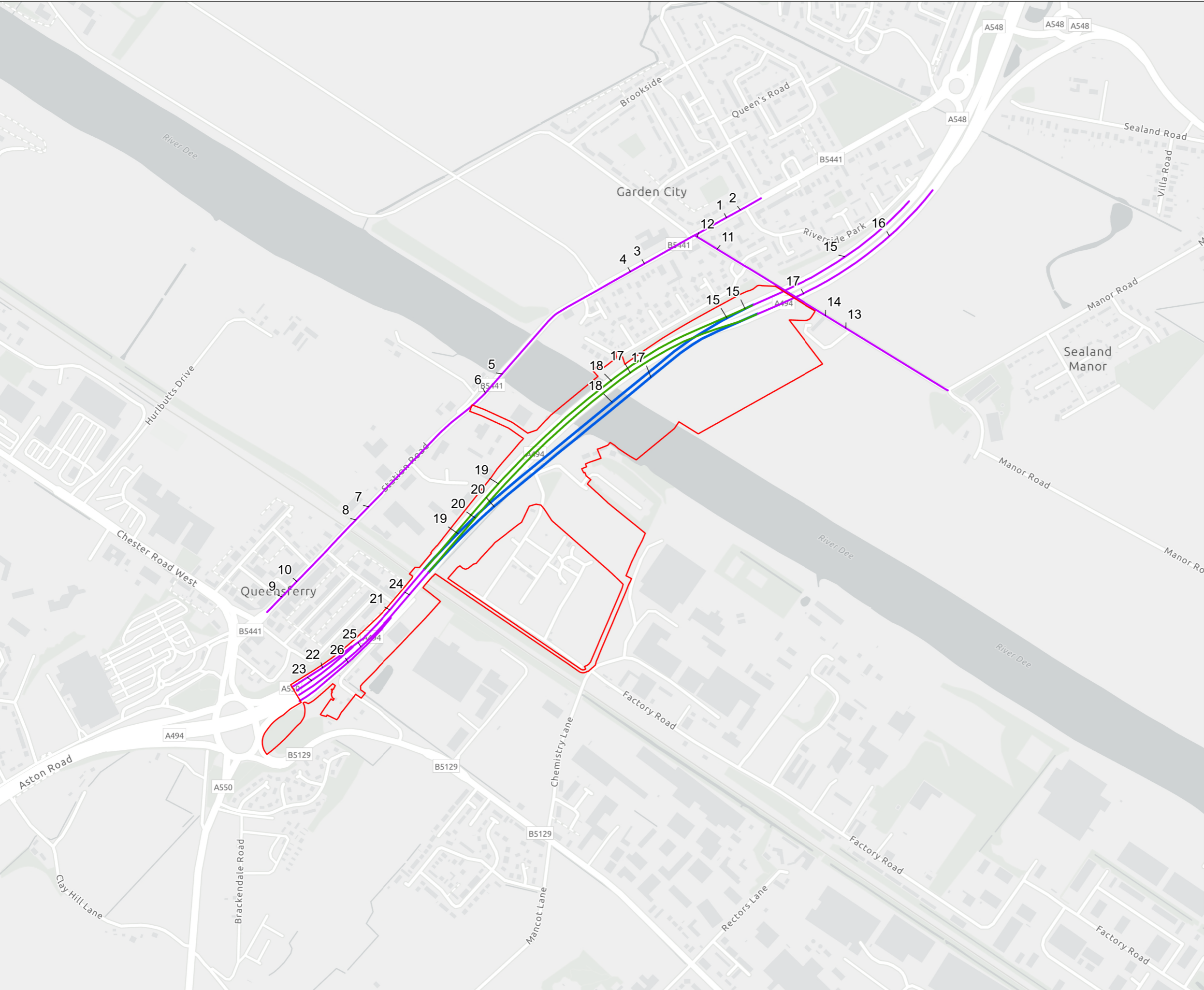



Figure 11-4



- Scheme Boundary
- Do-something traffic link which meet affected network criteria
- Do-minimum traffic link which meet affected network criteria
- Do-minimum and do-something link which meet affected network criteria

Coordinate system: British National Grid; Datum: OSGB 1936

Data sources: Esri Community Maps Contributors, Esri UK, Esri, TomTom, Garmin, Foursquare, GeoTechnologies, Inc, METI/NASA, USGS, Esri UK, Esri, TomTom, Garmin, Foursquare, METI/NASA, USGS



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A494 River Dee Bridge Improvement Air Quality Summary of Traffic Data

Drawn D Evans	GIS Checked	Checked H Whalley	Approved T Johnstone
Scale at A3 1:7,500	Status INF	Revision 01	Security STD

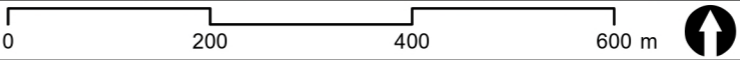
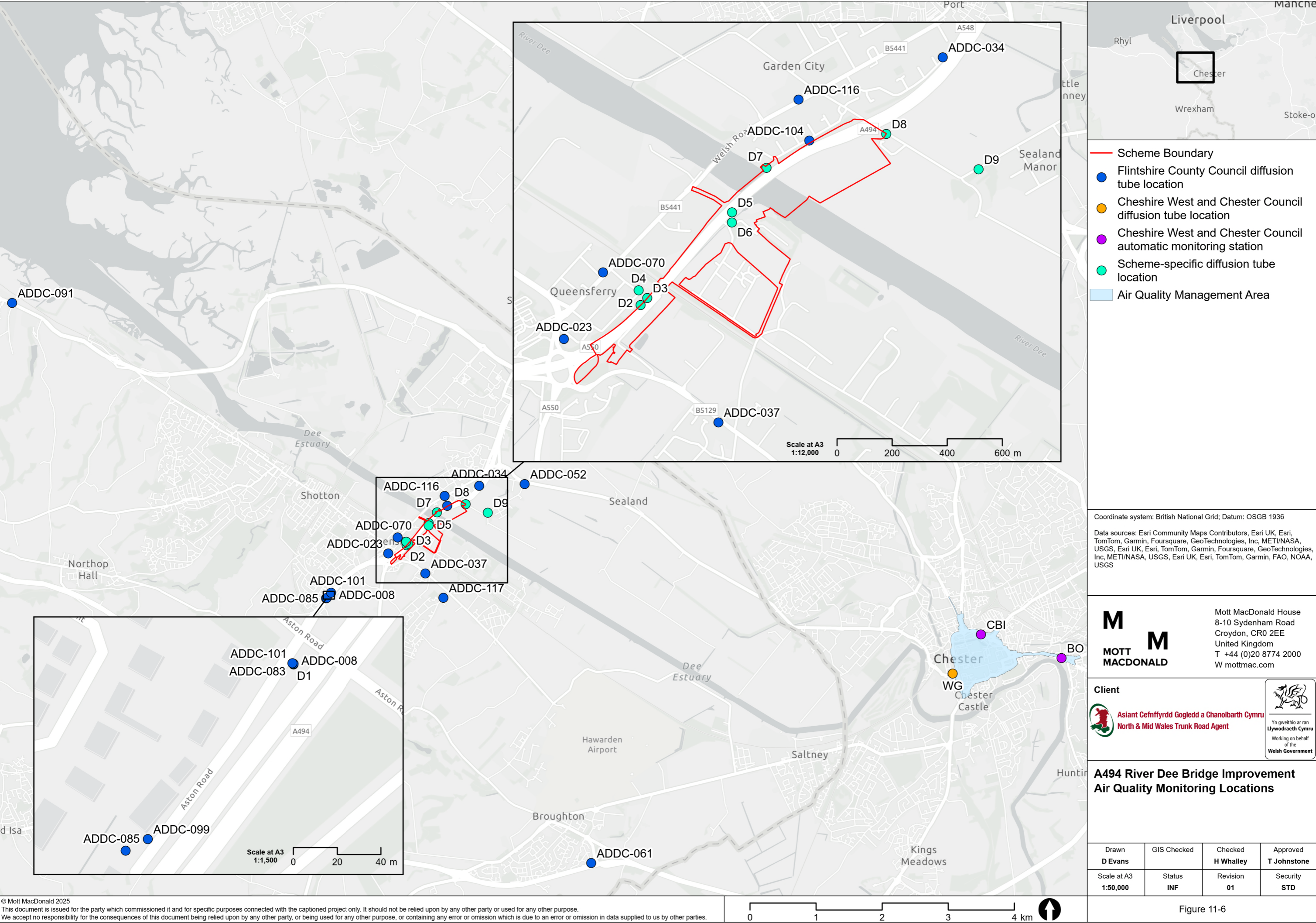
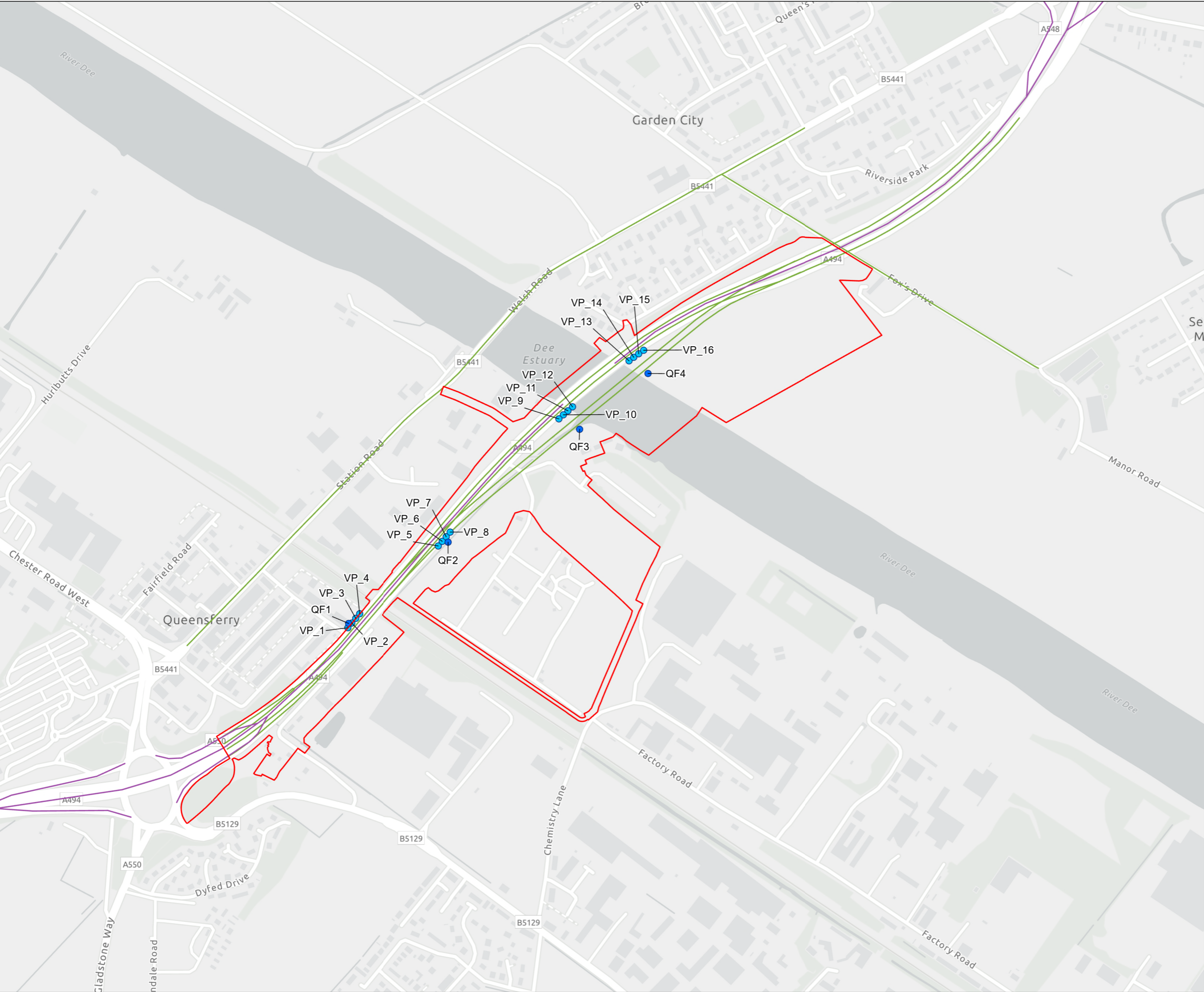


Figure 11-5





- Scheme Boundary
- 4m validation point
- Qualifying feature
- Modelled road network
- PCM Model Link

Coordinate system: British National Grid; Datum: OSGB 1936

Data sources: Esri Community Maps Contributors, Esri UK, Esri, TomTom, Garmin, Foursquare, GeoTechnologies, Inc, METI/NASA, USGS, Esri UK, Esri, TomTom, Garmin, Foursquare, METI/NASA, USGS



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A494 River Dee Bridge Improvement Compliance Risk Assessment

Drawn D Evans	GIS Checked	Checked T Johnstone	Approved T Johnstone
Scale at A3 1:6,000	Status INF	Revision 01	Security STD



Figure 11-7