

High Speed Rail (Crewe – Manchester)

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

Volume 5: Appendix LV-001-0MA01

Landscape and visual

Landscape and visual impact assessment and photomontages

MA01: Hough to Walley's Green

High Speed Rail (Crewe – Manchester)

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MA01: Hough to Walley's Green



Department
for Transport

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Part 1: Introduction

1.1 Structure of this appendix

- 1.1.1 This document is an appendix to the landscape and visual impact assessment (LVIA) which forms part of Volume 5 of the Supplementary Environmental Statement 2 (SES2) and Additional Provision 2 Environmental Statement (AP2 ES) for the Hough to Walley's Green (MA01) community area.
- 1.1.2 This appendix provides details of changes to the LVIA since the production of the High Speed Two (HS2) High Speed Rail (Crewe – Manchester) Environmental Statement (ES)¹ published in 2022 (the main ES) and Supplementary Environmental Statement 1 (SES1) and Additional Provision 1 Environmental Statement (AP1 ES)² also published in 2022.
- 1.1.3 This document is comprised of three parts:
- Part 1: introduction;
 - Part 2: a summary of engagement with technical stakeholders; and
 - Part 3: the Additional Provision 2 Environmental Statement.
- 1.1.4 This report should be read in conjunction with the main ES Volume 5, Appendix: LV-001-0MA01 and the SES1 and AP1 ES Volume 5, Appendix: LV-001-0MA01.
- 1.1.5 Maps relevant to this appendix are contained in the SES2 and AP2 ES Volume 5, Landscape and visual Map Book. These include:
- Map Series LV-07 – Construction Phase Zone of Theoretical Visibility (ZTV) and Viewpoints;
 - Map Series LV-08 – Operational Phase Zone of Theoretical Visibility (ZTV) and Viewpoints; and
 - Map Series LV-17 – Route-wide Landscape Context.
- 1.1.6 The need for a number of corrections to the contents of the main ES and SES1 and AP1 ES have been identified. These are set out in report: Corrections to Volume 5 of the January 2022 Environmental Statement and the July 2022 Supplementary Environmental Statement 1 and Additional Provision 1 Environmental Statement, see SES2 and AP2 ES Volume 5, Appendix: CT-009-00000.
- 1.1.7 In order to differentiate between the original scheme and the subsequent changes, the following terms are used:
- 'the original scheme' – the Bill scheme submitted to Parliament in 2022, which was assessed in the main ES;
 - 'the SES1 scheme' – the original scheme with any changes described in SES1 that are within the existing powers of the Bill;
 - 'the AP1 revised scheme' – the original scheme as amended by SES1 changes and AP1 amendments;
 - 'the SES2 scheme' – the original scheme with any changes described in SES1 (submitted in July 2022) and the SES2; and
 - 'the AP2 revised scheme' – the original scheme as amended by SES1 and SES2 changes (as relevant) and AP2 amendments.

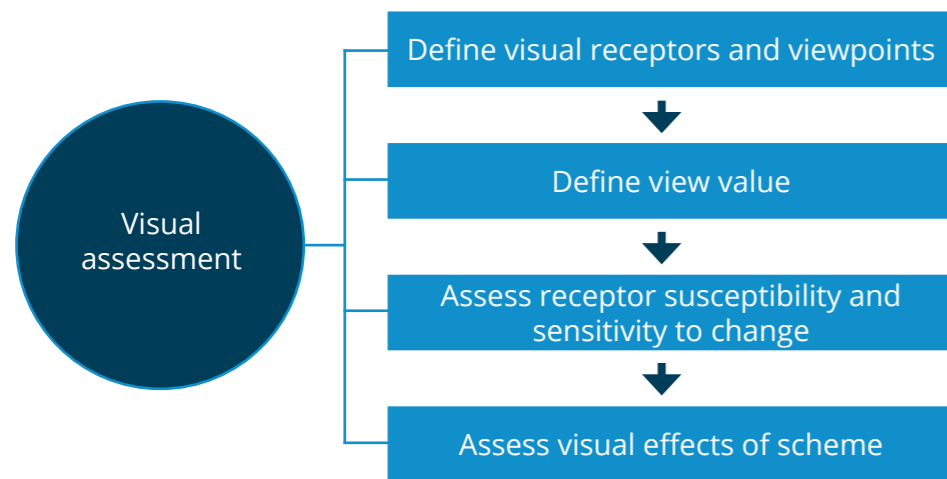
¹ High Speed Two Ltd (2022), High Speed Rail (Crewe – Manchester), Environmental Statement. Available online at: <https://www.gov.uk/government/collections/hs2-phase2b-crewe-manchester-environmental-statement>

² High Speed Two Ltd (2022), High Speed Rail (Crewe – Manchester), Supplementary Environmental Statement 1 and Additional Provision 1 Environmental Statement. Available online at:

<https://www.gov.uk/government/collections/hs2-phase-2b-crewe-manchester-supplementary-environmental-statement-1-and-additional-provision-1-environmental-statement>

1.2 Visual assessment

- 1.2.1 Descriptions of the identified viewpoints are provided in this section. The viewpoints are shown on SES2 and AP2 ES Volume 5, Landscape and visual Map Book: Map Series LV-07 (construction) and Map Series LV-08 (operation). For each viewpoint, the first part of the baseline description relates to the view during the winter and the second part relates to the summer view. Where relevant the third part relates to the view at night-time and the fourth part to the future baseline.
- 1.2.2 The assessment considers the value of the view and the susceptibility of the viewer to the SES2 scheme and/or AP2 revised scheme, and the overall sensitivity of the visual receptors.

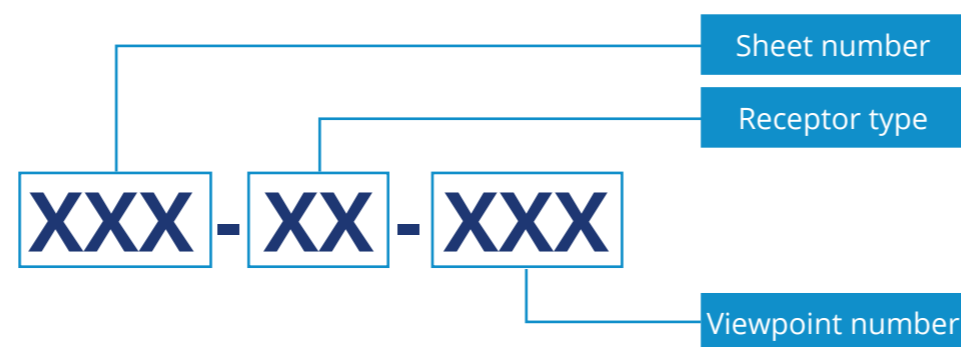


Above: The visual assessment process

- 1.2.3 Effects have been assessed where relevant for construction, operation year 1, year 15 and year 30. A summary of all significant visual effects is given in the SES2 and AP2 ES Volume 2, Hough to Walley's Green report (MA01).
- 1.2.4 Photographs have been included to represent the view from visual receptors during winter and, where relevant, summer. For some visual receptors no appropriate or accessible location from which to capture representative photographs of the view was available, therefore no photograph has been included and the assessment has been undertaken based on professional judgement.
- 1.2.5 All photography included within this document has been taken in accordance with the methodology set out within the Technical Note – Approach to photography contained within the Environmental Impact Assessment Scope and Methodology Report (SMR)³ (see Volume 5, Appendix: CT-001-00001 of the main ES).
- 1.2.6 Photomontages have also been included for relevant viewpoints. All photography associated with photomontages is verifiable and has been taken in accordance with the Technical Note – Approach to verifiable photomontages, contained within the SMR (see Volume 5, Appendix: CT-001-00001 in the main ES). All verifiable photography includes additional image specification and data information.

1.3 Visual receptors

- 1.3.1 The number on each viewpoint identifies the viewpoint locations which are shown on SES2 and AP2 ES Volume 5, Landscape and visual Map Book: Map Series LV-07 (construction) and Map Series LV-08 (operation). The following numbering convention is used:



Above: Viewpoint numbering convention used for HS2 Phase 2b

- 1.3.2 In each case, the middle number (xxx.xx.xxx) identifies the type of receptor represented, as described below (with more detail in the SMR of the main ES):
01. Protected views – these relate to those viewpoints, panoramas and viewing corridors that have been designated by local authorities, county councils or other relevant stakeholders. People enjoying protected views have a high susceptibility to change;
 02. Residential views – residents have a high susceptibility to changes in their views, as attention is often focused on the landscape surrounding the property, rather than on another focused activity (as will be the case in predominantly employment or industrial areas);
 03. Recreational views – these receptors generally have a high susceptibility to changes in their views, as attention is focused on the enjoyment of the landscape. Receptors engaged in activities whereby attention is focused on the surrounding landscape also have a high susceptibility to changes in their views;
 04. Transport views – travel through an area is often the means by which the greatest number of people view the landscape. Because of the glimpsed nature of the view from trains or vehicles, people traveling through an area on main roads have a low susceptibility to changes in their views, while those on scenic routes have a medium susceptibility. People travelling through urban areas in vehicles have a low susceptibility to changes in their views although in residential areas this increases to medium;
 05. Hotels and healthcare institutions – people staying in hotels or healthcare institutions and schools have periods of time where their attention may be focused on the landscape, whilst at other times attention is more likely to be focused on other activities. Based on the level of interaction with the surrounding landscape, these receptors have a medium susceptibility to changes in their views; and
 06. Employment – people at work and within educational institutions (other than residential educational facilities) are the least susceptible receptors, as their attention is likely to be focused on their work activity. These receptors have a low susceptibility to changes in their views.
- 1.3.3 Night-time visual survey and assessments have only been undertaken where continuous working during construction or additional lighting in operation has the potential to result in significant effects on residential and certain recreational receptors. Further detail is set out within the Technical Note – Approach to night-time assessment, contained within the SMR of the main ES.

³ High Speed Two Ltd (2022), High Speed Rail (Crewe – Manchester), Environmental Statement, Environmental Impact Assessment Scope and Methodology Report, Volume 5, Appendix: CT-001-00001: <https://www.gov.uk/government/collections/cross-topic-technical-appendices-for-high-speed-rail-crewe-manchester-environmental-statement>

Part 2: Engagement with technical stakeholders

2.1 Introduction

- 2.1.1 It has not been possible to discuss relevant landscape character areas and viewpoints with local authorities. However, there will be further engagement with local authorities regarding this matter during the passage of the Bill.

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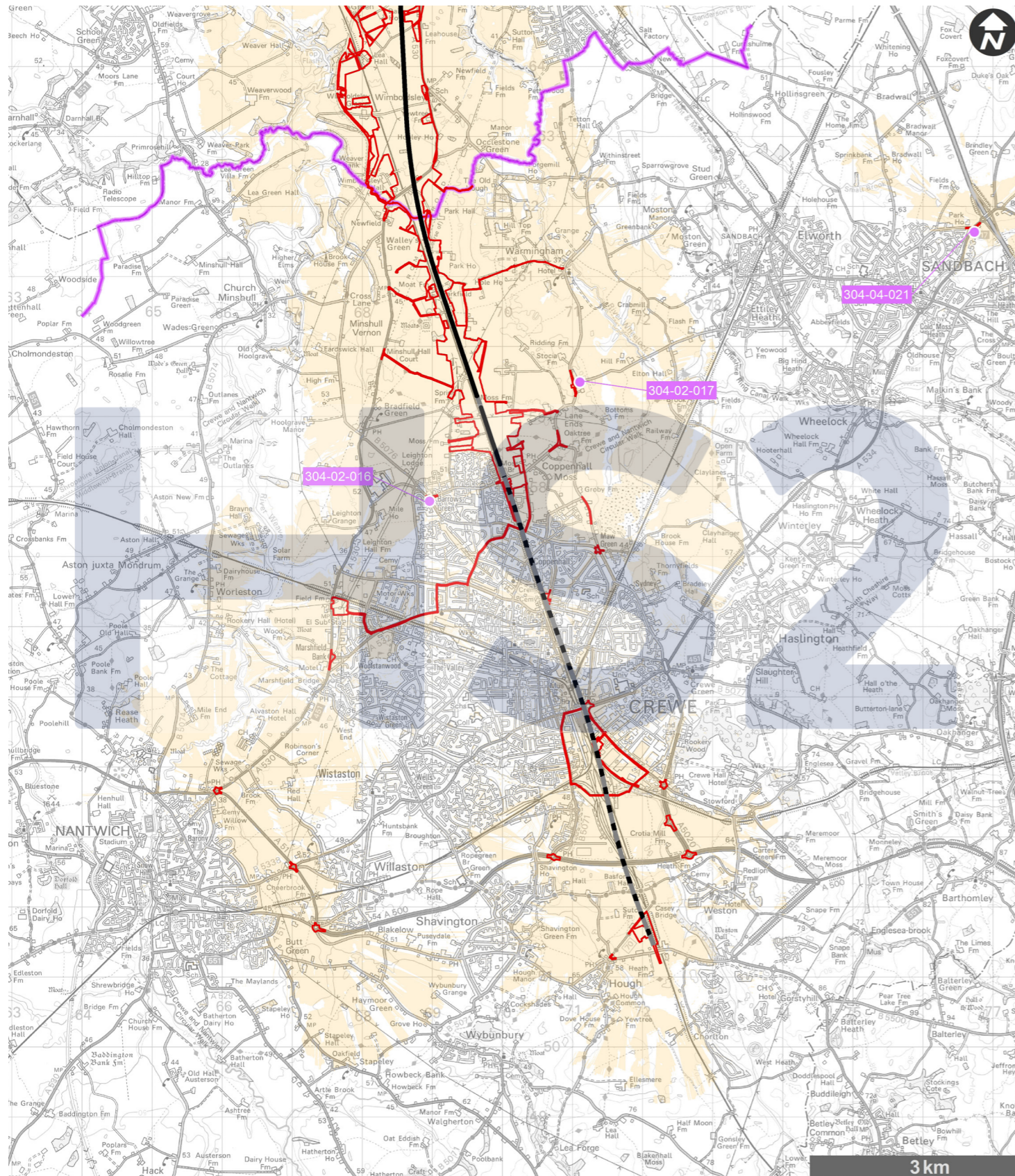
Part 3: Additional Provision 2 Environmental Statement

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3.1 Visual assessment

Overview of viewpoints and photomontages in the community area affected by AP2 amendments

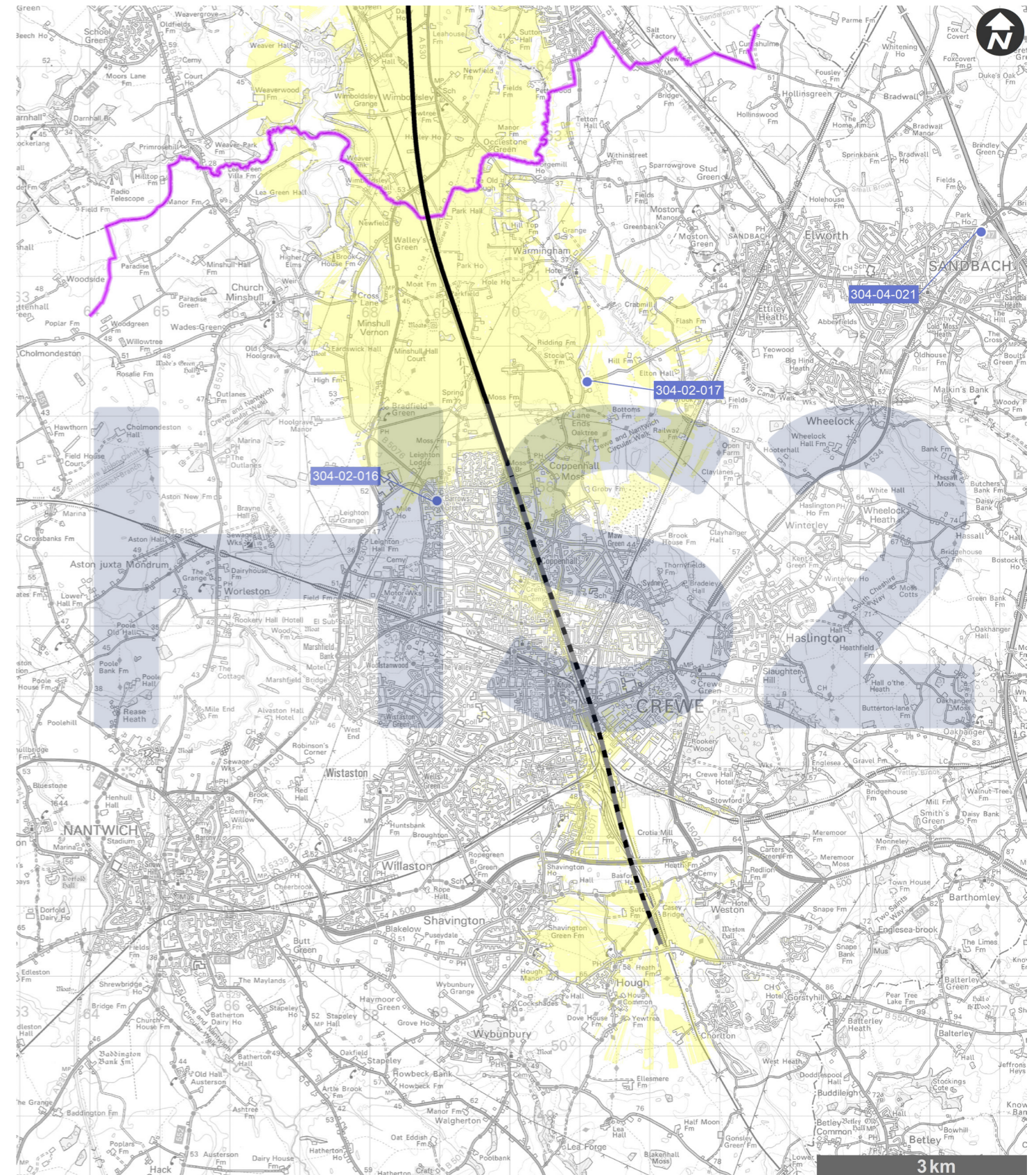
Construction phase



- Route in tunnel
- Route on surface
- Community area boundary
- Non significantly affected viewpoint
- Significantly affected viewpoint
- Non significantly affected photomontage
- Significantly affected photomontage
- Land potentially required during construction
- ZTV construction

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Operation phase



- Route in tunnel
- Route on surface
- Community area boundary
- Non significantly affected viewpoint
- Significantly affected viewpoint
- Non significantly affected photomontage
- Significantly affected photomontage
- ZTV operation year 1

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Viewpoint 304-02-016: view north from Parkers Road

This new viewpoint is located in an area where there will be changes from the original scheme and is representative of views experienced by residents off Parkers Road and Bradfield Road, notably Marshall Close, Barrows Close, Elmstead Crescent and Lawford Close and users of local roads with views of the existing junction.

Winter view (baseline)

Date taken: 28/03/2022 (stitched panorama)



Summer view (baseline)

Date taken: 01/07/2022 (stitched panorama)



Camera:	Nikon D3200 18mm lens and Canon EOS 6D, 24mm lens	
Approximate GPS co-ordinates ref.	368960.31, 357790.86	
Value of the viewpoint:	This viewpoint has a medium value. It is a typical view experienced at the junction of local roads where the road and associated infrastructure and development dominate.	Sensitivity of the receptor: High
Susceptibility of the receptor to the change arising from the AP2 revised scheme:	The susceptibility of these receptors is high . Residents have a strong interest in their visual environment and are therefore highly susceptible to visual change arising from the construction and operation of the AP2 revised scheme. Road users have a lower susceptibility to change as their attention is less focused on their surroundings.	



Viewpoint 304-02-016: view north from Parkers Road

Visual baseline description

Winter	The near distance of the view comprises a tarmacadam spine road and signalled road junction situated within a residential estate of predominantly two-storey properties. Bradfield Road is flanked by a mixture of garden boundary fencing and mature boundary hedges, with wide grass verges adjoining the junction area and extending along Parkers Road to the east. A prominent line of isolated, mature trees and shrub planting occupies the grassed verge area on the north side of the junction. Residential properties facing Parkers Road to the north are bordered by a mixture of metal estate bar fencing and managed hedgerows. Properties to the south have solid boundary fencing together with managed garden hedges and establishing, specimen garden trees. In the middle to far distance, a pylon and overhead power lines are visible beyond residential properties and against the skyline.
Summer	The summer foliage of flanking hedges, garden boundary vegetation and mature trees surrounding the junction area creates a greater sense of enclosure and a more prominent near distance skyline of tree canopies. There is less intervisibility towards the junction from adjacent and nearby residential properties as a result.
Night-time	Bradfield Road, Parkers Road and the surrounding residential area include street lighting and are well-lit.

Future baseline description

Construction (2025)	There are no committed developments that will change the baseline.
Operation (2038)	There are no committed developments that will change the baseline.

Visual impact assessment

		Temporary effects during construction	Significance of effect
	Construction	This new viewpoint is located in an area where there will be changes from the original scheme. Residents and road users will experience filtered views of construction activity including a laydown area, due to the proximity of the amendment Additional land temporarily required for modifications to the B5076 Bradfield Road and Parkers Road junction (AP2-001-001). Views for residents of Elmstead Crescent and Lawford Close will be heavily filtered by an existing roadside hedge. Views for residents of Marshall Close and Barrow Close will be partially screened by a combination of existing garden boundary fences and trees. The loss of existing mature trees removed during construction will be noticeable beyond intervening vegetation and fence lines. The construction activity and presence of traffic along the modified section of road will be visible in near-distance views for road users of Parkers Road and Bradfield Road. The amendment will give rise to a medium magnitude of change and a moderate adverse (significant) effect. The amendment will therefore give rise to a new significant effect.	Moderate adverse (significant)
	Construction night-time	The night-time view during construction was not assessed as there is no requirement for continuous construction lighting in this location.	Not assessed
	Construction cumulative	There are no developments which will result in cumulative construction effects.	No cumulative effect
		Permanent effects during operation	Significance of effect
Year 1	Winter	The loss of mature trees from within the highway boundary, during construction, will result in a perceptible change on the skyline, in the near distance for residents of Elmstead Crescent, Lawford Close, Marshall Close and Barrow Close. However, views will be filtered by intervening vegetation and fence lines along property boundaries. Road users will experience a perceptible change to near and middle-distance views due to the absence of existing roadside trees removed during construction and modifications to the junction layout but will be largely characteristic of the existing view. Immature replacement planting will not restore features within views by year 1. The amendment will give rise to a low magnitude of change and a minor adverse (non-significant) effect. The amendment will therefore give rise to a new non-significant effect.	Minor adverse (non-significant)
	Night-time	Existing lighting columns at the junction, will have been replaced, therefore, the level of operational lighting will be comparable to the baseline. The amendment will give rise to a negligible magnitude of change and a negligible (non-significant) effect. The amendment will therefore give rise to a new non-significant effect.	Negligible (non-significant)
Year 15	Summer	Residents and road users will experience a barely perceptible change to near and middle-distance views. Maturing replacement planting will partially restore features within views by year 15. The amendment will give rise to a negligible magnitude of change and a negligible (non-significant) effect. The amendment will therefore give rise to a new non-significant effect.	Negligible (non-significant)
	Night-time	Existing lighting columns at the junction, will have been replaced, therefore, the level of operational lighting will be comparable to the baseline. The amendment will give rise to a negligible magnitude of change and a negligible (non-significant) effect. The amendment will therefore give rise to a new non-significant effect.	Negligible (non-significant)
Year 30	Summer	Residents and road users will experience a barely perceptible change to near and middle-distance views. Mature replacement planting will largely restore features within views by year 30. The amendment will give rise to a negligible magnitude of change and a negligible (non-significant) effect. The amendment will therefore give rise to a new non-significant effect.	Negligible (non-significant)
	Night-time	Existing lighting columns at the junction will have been replaced, therefore, the level of operational lighting will be comparable to the baseline. The amendment will give rise to a negligible magnitude of change and a negligible (non-significant) effect. The amendment will therefore give rise to a new non-significant effect.	Negligible (non-significant)
	Operation cumulative	There are no developments which will result in cumulative effects.	No cumulative effect

Viewpoint 304-02-017: view west from Hall Lane Cottage, Hall Lane

This new viewpoint is located in an area where there will be changes from the original scheme and is representative of views experienced by residents of Hall Lane Cottage and Fields Farm and, local road users of Warmingham Road and Hall Lane.

Winter view (baseline)

Date taken: 28/03/2022 (stitched panorama)



Summer view (baseline)

Date taken: 01/07/2022 (stitched panorama)



Camera:	Nikon D3200 18mm lens and Canon EOS 6D, 24mm lens	
Approximate GPS co-ordinates ref.	371104.49, 359490.16	
Value of the viewpoint:	This viewpoint has a medium value. The view is typical of the Cheshire Plain landscape to the north of Crewe and includes improved pasture, hedgerows and established fields trees. Local roads and roadside vegetation are visible. Detracting features, of which there are few, include overhead power lines.	Sensitivity of the receptor: High
Susceptibility of the receptor to the change arising from the AP2 revised scheme:	The susceptibility of these receptors is high . Residents have a strong interest in their visual environment and are therefore highly susceptible to visual change arising from the construction and operation of the AP2 revised scheme. Road users on main roads have a lower susceptibility to change as their attention is less focused on the landscape.	



Viewpoint 304-02-017: view west from Hall Lane Cottage, Hall Lane

Visual baseline description

Winter	The viewpoint is located on Hall Lane near its junction with Warmingham Road. Hall Lane is set within an agricultural landscape of medium-sized pastoral fields, bordered in the near distance by managed field boundary hedgerows with frequent mature hedgerow trees. A low voltage power line with timber telegraph poles runs alongside the lane. Hall Lane Cottage, to the north side of the lane is defined by well-maintained single species garden hedges, beyond which a linear belt of woodland screens Warmingham Road at its junction with Hall Lane. In the middle distance of the view, the field hedgerow is replaced by parkland railings and the open landscape beyond Warmingham Road includes open pastoral fields set against a continuous, middle to far distant background canopy of mature field boundary trees. Pylons and overhead power lines are visible above the canopy and against the skyline. Fields Farm, to the south of Hall Lane, has some garden vegetation that partially filters views towards Warmingham Road and Hall Lane. Field boundary hedgerows and established hedgerow trees filter views to the west. The replacement of field hedgerow with parkland railings to the north-west allows more open views of the junction of Hall Lane/Warmingham Road.
Summer	Views from Hall Lane, Hall Lane Cottage and Fields Farm are further filtered by the summer foliage of hedgerows, hedgerow trees and the mature woodland alongside Warmingham Road. The summer foliage of hedgerow trees in the middle and far distance creates a stronger sense of enclosure against the western skyline, while the tops of pylons remain visible.
Night-time	Local roads in the area are unlit, with night-time lighting limited to individual properties. There is a far distance sky-glow from the town of Crewe, situated approximately 1km to the south-west.

Future baseline description

Construction (2025)	There are no committed developments that will change the baseline.
Operation (2038)	There are no committed developments that will change the baseline.

Visual impact assessment

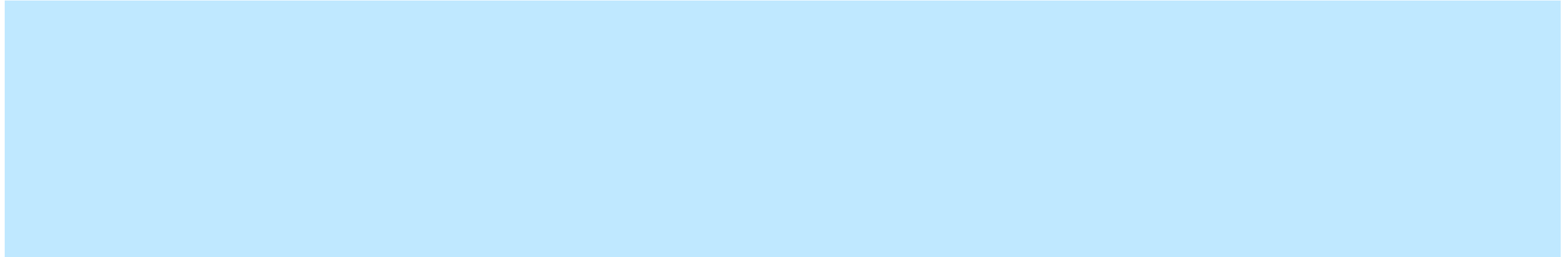
		Temporary effects during construction	Significance of effect
Construction		This new viewpoint is located in an area where there will be changes from the original scheme. Residents and road users will experience views of construction activity in the near and middle distance due to the proximity of Additional land permanently required for modifications to Warmingham Road and Hall Lane junction (AP2-001-002). Residents of Hall Lane Cottage and Fields Farm will experience noticeable changes to near and middle-distance views due to the proximity of construction activity and the removal of existing vegetation including roadside hedges and mature trees, notably along Warmingham Road, which will open up views west over the adjacent fields. Construction activity will be visible in near-distance views for road users of Warmingham Road and Hall Lane. There will be a medium magnitude of change and a moderate adverse (significant) effect. The amendment will therefore give rise to a new significant effect.	Moderate adverse (significant)
Construction night-time		The night-time view in construction was not assessed as there is no requirement for continuous construction lighting in this location.	Not assessed
Construction cumulative		There are no developments which will result in cumulative construction effects.	No cumulative effect
		Permanent effects during operation	Significance of effect
Year 1	Winter	Residents of Hall Lane Cottage and Fields Farm will experience perceptible changes to middle-distance views due to the removal of existing vegetation including roadside hedges and mature trees along Warmingham Road during construction, which will open up views west over the adjacent fields. The realigned road will be visible in near-distance views for road users of Warmingham Road and Hall Lane but will be in keeping with the character of existing views. Immature replacement planting will not restore features within views by year 1. There will be a low magnitude of change and a minor adverse (non-significant) effect. The amendment will therefore give rise to a new non-significant effect.	Minor adverse (non-significant)
	Night-time	The night-time view in operation was not assessed as there is no requirement for continuous operational lighting in this location.	Not assessed
Year 15	Summer	Residents of Hall Lane Cottage and Fields Farm will experience barely perceptible changes to middle-distance views as maturing replacement planting will largely restore features within views by year 15. The realigned road will be visible in near-distance views for road users of Warmingham Road and Hall Lane but will be in keeping with the character of existing views. The amendment will give rise to a negligible magnitude of change and a negligible (non-significant) effect. The amendment will therefore give rise to a new non-significant effect.	Negligible (non-significant)
	Night-time	The night-time view in operation was not assessed as there is no requirement for continuous operational lighting in this location.	Not assessed
Year 30	Summer	Residents of Hall Lane Cottage and Fields Farm will experience barely perceptible changes to middle-distance views due to the further maturation of replacement planting that will restore features within views by year 30. The amendment will give rise to a negligible magnitude of change and a negligible (non-significant) effect. The amendment will therefore give rise to a new non-significant effect.	Negligible (non-significant)
	Night-time	The night-time view in operation was not assessed as there is no requirement for continuous operational lighting in this location.	Not assessed
Operation cumulative		There are no developments which will result in cumulative operation effects.	No cumulative effect

Viewpoint 304-02-021: view north from Gatekeeper Close

This new viewpoint is located in an area where there will be changes from the original scheme and is representative of views experienced by residents of properties on Filter Bed Way and Gatekeeper Close, Congleton Road, Park House Care Home and Mews, users of Footpath Sandbach 11/2 and road users along Congleton Road and A534 Old Mill Road.

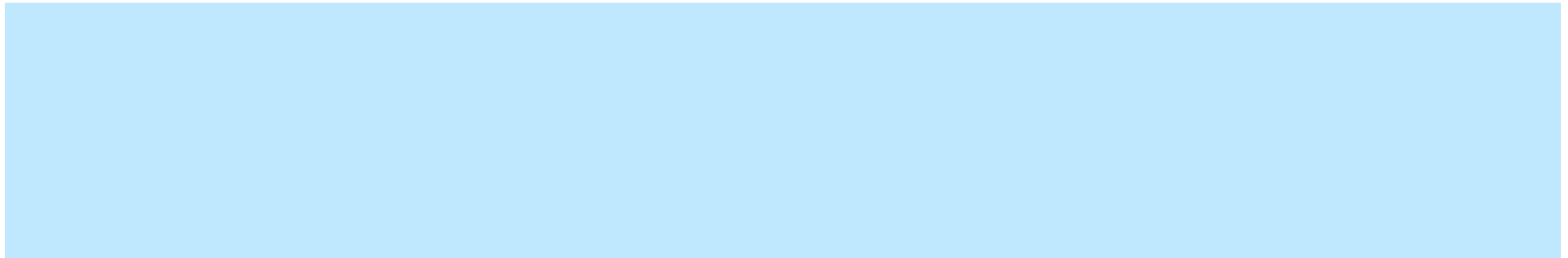
Winter view (baseline)

It has not been possible to capture winter photography.

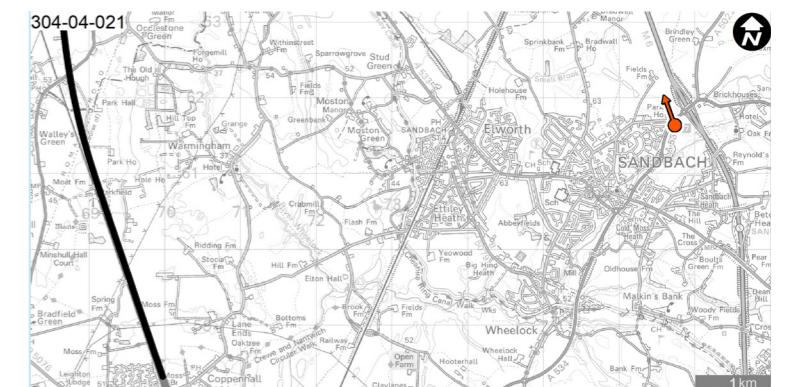


Summer view (baseline)

It has not been possible to capture summer photography.



Camera:	n/a	
Approximate GPS co-ordinates ref.	376736.23, 361634.04	
Value of the viewpoint:	This viewpoint has a medium value. The view is representative of modern urban residential development situated to the north-eastern fringe of Sandbach.	Sensitivity of the receptor:
Susceptibility of the receptor to the change arising from the AP2 revised scheme:	The susceptibility of these receptors is high . Residents have a strong interest in their visual environment and are therefore highly susceptible to visual change arising from the construction and operation of the AP2 revised scheme. Road users on main roads have a lower susceptibility to change as their attention is less focused on their surroundings.	High



Viewpoint 304-02-021: view north from Gatekeeper Close

Visual baseline description

Winter	The near distance comprises a grass verge and surfaced Footpath Sandbach 11/2, a low-level timber boundary fence line and adjoining managed hedge. Established trees, where present, along A534 Old Mill Road and Gatekeeper Close, partially filter views north towards the traffic island, directional signs, street lighting and the small parking area immediately beyond. The western side of the junction area is flanked by mature hedges and mature tree canopies, which partially obscure views of surrounding residential development. Wide grass verges adjoin the junction on either side of Congleton Road, with scattered roadside trees located on the south-west verge and a small parking area alongside the north-west verge, partially screened by low ornamental shrub planting. In the middle to far-distance mature tree canopies partially obscure wider views of adjacent residential development, including Park House Care Home and Mews.
Summer	In summer, views of residential development beyond boundary planting, including Park House Care Home and Mews, are screened by foliage.
Night-time	Street lighting is present along A534 Old Mill Road and Congleton Road and the urban area is well lit at night.

Future baseline description

Construction (2025)	There are no committed developments that will change the baseline.
Operation (2038)	There are no committed developments that will change the baseline.

Visual impact assessment

		Temporary effects during construction	Significance of effect
	Construction	This new viewpoint is located in an area where there will be changes from the original scheme. Residents, footpath users and road users will experience near-distance views of construction activity due to the proximity of amendment. Additional land temporarily required for modifications to the A534 Old Mill Road and Congleton Road junction (AP2-001-003). Residents of Filter Bed Way and Gatekeeper Close, users of Footpath Sandbach 11/2 and road users along Congleton Road and A534 Old Mill Road will experience noticeable changes to near-distance views due to the introduction of construction activity. The loss of scattered roadside trees will open up near-distance views of construction activity, the temporarily modified junction and the presence of traffic using the junction for residents of Filter Bed Way and Gatekeeper Close, users of Footpath Sandbach 11/2 and road users along Congleton Road and A534 Old Mill Road. Near-distance views of construction activity for residents of Congleton Road and Park House Care Home and Mews will be partially obscured by vegetation along property boundaries although there will be some awareness of the loss of roadside trees beyond. The amendment will give rise to a low magnitude of change and a moderate adverse (significant) effect. The amendment will therefore give rise to a new significant effect.	Moderate adverse (significant)
	Construction night-time	The night-time view during construction was not assessed as there is no requirement for continuous construction lighting in this location.	Not assessed
	Construction cumulative	There are no developments which will result in cumulative construction effects.	No cumulative effect
		Permanent effects during operation	Significance of effect
Year 1	Winter	Within the context of existing views of the junction and background of retained vegetation on the highway and within property boundaries, the loss of established roadside trees, during construction, will result in a perceptible change in the near-distance for footpath users, residents of Gatekeeper Close and Filter Bed Way and road users. Residents of Congleton Road and Park House Care Home and Mews will have some awareness of the loss of roadside trees, removed during construction. Immature replacement planting will not restore features within views by year 1. The amendment will give rise to a low magnitude of change and a minor adverse (non-significant) effect. The amendment will therefore give rise to a new non-significant effect.	Minor adverse (non-significant)
	Night-time	Existing lighting columns at the junction, will have been replaced, therefore, the level of operational lighting will be comparable to the baseline. The loss of established roadside trees, during construction, will result in a barely perceptible change for the views of street lights for residents of Gatekeeper Close, Filter Bed Way, Congleton Road and Park House Care Home and Mews. The amendment will give rise to a negligible magnitude of change and a negligible (non-significant) effect. The amendment will therefore give rise to a new non-significant effect.	Negligible (non-significant)
Year 15	Summer	Residents, footpath users and road users will experience a barely perceptible change to views. Maturing replacement planting will largely restore features within views by year 15. The amendment will give rise to a negligible magnitude of change and a negligible (non-significant) effect. The amendment will therefore give rise to a new non-significant effect.	Negligible (non-significant)
	Night-time	The loss of established roadside trees, during construction, will result in a barely perceptible change for the views of street lights for residents of Gatekeeper Close, Filter Bed Way, Congleton Road and Park House Care Home and Mews. The amendment will give rise to a negligible magnitude of change and a negligible (non-significant) effect. The amendment will therefore give rise to a new non-significant effect.	Negligible (non-significant)
Year 30	Summer	There will be no change to views for residents, footpath users and road users. Further maturation of replacement planting will largely restore features within views by year 30. The amendment will give rise to a negligible magnitude of change and a negligible (non-significant) effect. The amendment will therefore give rise to a new non-significant effect.	Negligible (non-significant)
	Night-time	Residents and road users will experience no change to views. The amendment will give rise to a negligible magnitude of change and a negligible (non-significant) effect. The amendment will therefore give rise to a new non-significant effect.	Negligible (non-significant)
Operation cumulative		There are no developments which will result in cumulative operation effects.	No cumulative effect

3.2 AP2 revised scheme assessment matrices

AP2 revised scheme visual assessment matrix

3.2.1 Table 1 below summarises the assessment of significance for all the representative viewpoints assessed as part of the AP2 revised scheme in the Hough to Walley's Green (MA01) community area. These are ordered from south to north along the route of the AP2 revised scheme. The assessment of significant effects is presented in SES2 and AP2 ES Volume 2, Hough to Walley's Green report (MA01), Section 11. The night-time assessment (reported in Part 3 of this document, as appropriate) has only been undertaken for certain receptors with a view of proposed continuous lighting during either construction or operation. Further detail on this is provided within the Technical Note: Approach to night-time assessment, contained within the SMR. In most cases, in urban areas, additional lighting is not considered to give rise to significant effects due to the widespread presence of street lighting, lightspill from adjacent buildings and skyglow. Where there is no direct foreground visibility of additional lighting, no further assessment has been undertaken.

Table 1: AP2 visual assessment matrix summarising the assessment of significance for the viewpoints affected by the AP2 revised scheme identified in the Hough to Walley's Green (MA01) community area.

Viewpoints		Construction			Operation year 1 (2038)		Operation year 15 (2053)		Operation year 30 (2068)		Operation cumulative
		Winter	Night-time	Cumulative	Winter	Night-time	Summer	Night-time	Summer	Night-time	
304-02-016	View north from Parkers Road	Moderate adverse	Not assessed	No cumulative effect	Minor adverse	Negligible	Negligible	Negligible	Negligible	Negligible	No cumulative effect
304-02-017	View west from Hall Lane Cottage, Hall Lane	Moderate adverse	Not assessed	No cumulative effect	Minor adverse	Not assessed	Negligible	Not assessed	Negligible	Not assessed	No cumulative effect
304-02-021	View north from Gatekeeper Close	Moderate adverse	Not assessed	No cumulative effect	Minor adverse	Negligible	Negligible	Negligible	Negligible	Negligible	No cumulative effect