

## High Speed Rail (West Midlands - Crewe)

Supplementary Environmental Statement 2 and  
Additional Provision 2 Environmental Statement

Volume 5: Technical appendices

Cultural heritage impact assessment  
(CH-003-000)

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Additional Provision 2 Environmental Statement

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(CH-003-000)



## Department for Transport

High Speed Two (HS2) Limited has been tasked by the Department for Transport (DfT) with managing the delivery of a new national high speed rail network. It is a non-departmental public body wholly owned by the DfT.

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A report prepared for High Speed Two (HS2) Limited:

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# 1 Introduction

## 1.1 Structure of this appendix

1.1.1 This document is an appendix to the cultural heritage assessment which forms part of Volume 5 of the Supplementary Environmental Statement 2 (SES2) and Additional Provision 2 Environmental Statement (AP2 ES). The following community areas (CA) are covered in this appendix:

- CA1: Fradley to Colton;
- CA2: Colwich to Yarlet;
- CA3: Stone and Swynnerton;
- CA4: Whitmore Heath to Madeley; and
- CA5: South Cheshire.

1.1.2 The cultural heritage appendices comprise:

- a baseline report (Volume 5: SES2 and AP2 ES Appendix CH-001-000);
- a gazetteer of heritage assets (Volume 5: SES2 and AP2 ES Appendix CH-002-000); and
- impact assessment (this appendix).

1.1.3 In addition survey reports incorporating geophysical survey and remote sensing studies are set out in Background Information and Data<sup>1</sup> (see BID CH-004-000) which accompanies the SES2 and AP2 ES.

1.1.4 This report should be read with reference to the following:

- the High Speed Two (HS2) Phase 2a (West Midlands - Crewe) Environmental Statement (ES)<sup>2</sup> published in July 2017 (the main ES);
- the High Speed Two (HS2) Phase 2a (West Midlands - Crewe) Background Information and Data (BID)<sup>3</sup> published in July 2017, which accompanies the main ES;
- the High Speed Two (HS2) Phase 2a (West Midlands - Crewe) Supplementary Environmental Statement (SES1) and Additional Provision Environmental Statement (AP1 ES)<sup>4</sup> published in March 2018;

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<sup>1</sup> HS2 Ltd (2019), *High Speed Two (HS2) Phase 2a (West Midlands - Crewe), Supplementary Environmental Statement 2 (SES2) and Additional Provision 2 Environmental Statement (AP2 ES), Background Information and Data*, <https://www.gov.uk/government/organisations/high-speed-two-limited>

<sup>2</sup> HS2 Ltd (2017), *High Speed Two (HS2) Phase 2a (West Midlands - Crewe), Environmental Statement*, <https://www.gov.uk/government/collections/hs2-phase-2a-environmental-statement>

<sup>3</sup> HS2 Ltd (2017), *High Speed Two (HS2) Phase 2a (West Midlands - Crewe), Environmental Statement, Background Information and Data*, <https://www.gov.uk/government/collections/hs2-phase-2a-environmental-statement#background-information-and-data>

<sup>4</sup> HS2 Ltd (2018), *High Speed Two (HS2) Phase 2a (West Midlands - Crewe), Supplementary Environmental Statement (SES1) and Additional Provision Environmental Statement (AP1 ES)*, <https://www.gov.uk/government/collections/hs2-phase-2a-supplementary-environmental-statement-and-additional-provision-environmental-statement>

- the High Speed Two (HS2) Phase 2a (West Midlands - Crewe) Background Information and Data (BID)<sup>5</sup> published in March 2018, which accompanies the SES1 and AP1 ES; and
- the High Speed Two (HS2) Phase 2a (West Midlands - Crewe) Background Information and Data (BID) which accompanies the SES2 and AP2 ES<sup>6</sup>.

1.1.5 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 July 2017, which was assessed in the main ES;
- 'the SES1 scheme' – the original scheme with the changes described in the SES1 submitted in March 2018;
- 'the AP1 revised scheme' – the SES1 scheme as amended by the AP1 submitted in March 2018;
- 'the SES2 scheme' – the SES1 scheme with the changes described in the SES2; and
- 'the AP2 revised scheme' – the SES2 scheme as amended by the AP2.

## 1.2 Scope of the assessment

1.2.1 The information set out in this appendix presents:

- SES2: data defined as a 'SES2 change' as it presents updated and corrected baseline information to supplement the information that was reported in the main ES and SES1; and
- AP2 ES: data to inform an 'AP2 amendment'.

1.2.2 This appendix provides assessment information for:

- heritage assets that have been identified as the result of surveys carried out since the publication of SES1 in CA1, CA3 and CA4; and
- heritage assets within the AP2 extension areas in community areas CA1, CA2, CA3, CA4 and CA5.

1.2.3 The cultural heritage assessment is detailed in the SES2 and AP2 ES:

- Volume 2, Community area reports; and
- Volume 5, Appendices.

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<sup>5</sup> HS2 Ltd (2018), *High Speed Two (HS2) Phase 2a (West Midlands - Crewe), Supplementary Environmental Statement (SES1) and Additional Provision Environmental Statement (AP1 ES), Background Information and Data*, <https://www.gov.uk/government/collections/hs2-phase-2a-supplementary-environmental-statement-and-additional-provision-environmental-statement#background-information-and-data>

<sup>6</sup> HS2 Ltd (2019), *High Speed Two (HS2) Phase 2a (West Midlands - Crewe), Background Information and Data accompanying Supplementary Environmental Statement 2 (SES2) and Additional Provision 2 Environmental Statement (AP2 ES)*, <https://www.gov.uk/government/organisations/high-speed-two-limited>

- 1.2.4 All identified assets listed in the report are shown in the SES2 and AP2 ES Volume 5, Cultural heritage Map Book, Map Series CH-01 and CH-02.

### **1.3 Impact assessment**

- 1.3.1 Tables 1 to 8 present information on the impacts on all identified heritage assets and the likely resultant environmental effects, taking into account agreed mitigation measures. Details on the assignment of values and the assessment of the scale of impacts are as set out in the main ES Environmental Impact Assessment Scope and Methodology Report (SMR) and its Addendum (see main ES Volume 5: Appendix CT-001-001 and Volume 5: Appendix CT-001-002 ), and SMR Addendum 2 (see SES2 and AP2 ES Volume 5: Appendix CT-001-000).



## **2 Part 1: Supplementary Environmental Statement 2**

## 2.1 Fradley to Colton (CA1)

### Impact assessment

Table 1: Impact assessment for the Fradley to Colton area (CA1)

Asset reference number	Name	Designation(s)	Value	Construction impact			Operation impact		
				Nature of impact including mitigation	Scale of impact	Effect	Nature of impact including mitigation	Scale of impact	Effect
FRC019	Non- designated		Moderate	<p>The asset is situated within the area of land required for the SES2 scheme. A portion of the buried archaeological remains associated with the asset will be removed by the excavation of the borrow pit located either side of Crawley Lane on the east and to the south of Ashby Sitch.</p> <p>The change in the maximum extraction depth of the borrow pit at Kings Bromley South has the potential to impact further upon deep buried archaeological deposits beneath the cropmark complexes.</p>	Medium  Medium	Permanent Moderate Adverse  Permanent Moderate Adverse	The construction effect remains and there will be no further impact from operation of the SES2 scheme.	No change	Neutral
FRC020	Cropmark complex at Bourne Brook	Non-designated	Moderate	<p>The asset is located within the land required for the SES2 scheme. Buried archaeological remains associated with the asset will be removed due to the construction of the Pyford North embankment, the Common Lane satellite compound and adjacent temporary stockpile areas, the raising of a National Grid Electricity Transmission 400kV overhead power line and the realignment of the A515 Lichfield Road.</p> <p>The change in the maximum extraction depth of the borrow pit at Kings Bromley North (located adjacent to the realigned A515 Lichfield Road) has the potential to</p>	High  High	Permanent Major Adverse  Permanent Major Adverse	The construction effect remains and there will be no further impact from operation of the SES2 scheme.	No change	Neutral

Asset reference number	Name	Designation(s)	Value	Construction impact			Operation impact		
				Nature of impact including mitigation	Scale of impact	Effect	Nature of impact including mitigation	Scale of impact	Effect
				impact further upon deep buried archaeological deposits beneath the cropmark complexes.					
FRC030	Possible field system, south of Kings Bromley	Non-designated	Low	<p>This archaeological asset is located within the area of land required for the SES2 scheme. Buried archaeological remains associated with the asset will be entirely removed by the construction of the borrow pit located adjacent to the realigned Shaw Lane.</p> <p>The change in the maximum extraction depth of the borrow pit at Kings Bromley North (located adjacent to the realigned Shaw Lane) has the potential to impact further upon deep buried archaeological deposits beneath the cropmark complexes.</p>	High	Permanent Major Adverse	The construction effect remains and there will be no further impact from operation of the SES2 scheme.	No change	Neutral
FRC089	Woodhouse Farmhouse	Listed building	Moderate	<p>The asset is situated approximately 30m away from the land required for the SES2 scheme. During the construction of the Pipe Ridware embankment approximately 110m to the south of the south facing asset, the asset will experience a temporary adverse impact upon its quiet rural setting from noise and other construction related operations lasting approximately one year and six months</p> <p>The construction of the SES2 scheme will also lead to a permanent adverse impact upon the asset's rural setting through its visual presence within the landscape. A substantial noise bund, constructed</p>	Medium	Temporary Moderate Adverse	The operation of the SES2 scheme will lead to a permanent adverse impact upon the asset's rural setting due to operational noise. The impact of the noise from operation has been mitigated through the presence of noise barriers extending approximately 2m above the top of the rail.	Medium	Permanent Moderate Adverse

Asset reference number	Name	Designation(s)	Value	Construction impact			Operation impact		
				Nature of impact including mitigation	Scale of impact	Effect	Nature of impact including mitigation	Scale of impact	Effect
				within 60m of the house will also impact on the setting.					

## 2.2 Stone and Swynnerton (CA3)

### Impact assessment

Table 2: Impact assessment for the Stone and Swynnerton area (CA3)

Asset reference number	Name	Designation(s)	Value	Construction impact			Operation impact		
				Nature of impact including mitigation	Scale of impact	Effect	Nature of impact including mitigation	Scale of impact	Effect
STSo64	Archaeology south of Dog Lane, Stableford	Non-designated	Moderate	The asset primarily derives its significance from its evidential value. The construction of Hatton South cutting will require the removal of a substantial portion of the asset.	High	Permanent Major Adverse	The permanent construction effect remains and there will be no further impact from operation of the SES2 scheme.	No change	Neutral

## 2.3 Whitmore Heath to Madeley (CA4)

### Impact assessment

Table 3: Impact assessment for the Whitmore Heath to Madeley area (CA4)

Asset reference number	Name	Designation(s)	Value	Construction impact			Operation impact		
				Nature of impact including mitigation	Scale of impact	Effect	Nature of impact including mitigation	Scale of impact	Effect
WHM109	Buried remains of prehistoric activity indicated by geophysical survey	Non-designated	Low	The asset primarily derives its significance from its evidential value. The current setting of the asset is not thought to contribute to its significance. The asset is wholly within the land required for the SES2 scheme and will be completely removed.	High	Permanent Moderate Adverse	The permanent construction effect remains and there will be no further impact from operation of the SES2 scheme.	No change	Neutral

# **3 Part 2: Additional Provision 2 Environmental Statement**

### 3.1 Fradley to Colton (CA1)

#### Impact assessment

Table 4: Impact assessment for the Fradley to Colton area (CA1)

Asset reference number	Name	Designation(s)	Value	Construction impact			Operation impact		
				Nature of impact including mitigation	Scale of impact	Effect	Nature of impact including mitigation	Scale of impact	Effect
FRCo08	Trent and Mersey Canal Conservation Area	Conservation area	Moderate	<p>The asset derives its significance from its historic fabric, its relationship to the listed and non-designated structures along its route, from views along the canal, and from the function of the canal as a piece of infrastructure running through the rural landscape.</p>	Low	Temporary Minor Adverse	<p>The operation of the AP2 revised scheme will lead to an adverse impact upon the setting of the asset due to the introduction of rail noise. The noise will be occasional and transient and will be mitigated through the presence of noise barriers; therefore, the impact is considered not significant.</p>	Low	Permanent Minor Adverse
				<p>The primary setting of the asset is defined by the canal itself and the buildings and structures along it. Construction works associated with the connection of the HS2 Phase One with the AP2 revised scheme on the Pyford South embankment; two construction stockpile areas; the AP2 revised scheme haul road running immediately adjacent to the asset; raising of a National Grid Electricity Transmission 400kV overhead power line and the imposition of a temporary drainage outflow pipe would introduce temporary construction noise and visual impacts upon the setting of the asset. The connection of the HS2 Phase One with the AP2 revised scheme on the Pyford South embankment will also represent a permanent visual introduction into the setting of the asset.</p>	Low	Permanent Minor Adverse		<p>The asset will also experience an additional permanent change as a result of the operation of HS2 Phase One. This will constitute a permanent medium adverse impact and a moderate adverse significant effect. There will be a cumulative effect as a result of operation of the AP2 revised scheme and HS2 Phase One.</p>	
				<p>The hydrogeology and groundwater recharge at Kings Bromley South and Kings Bromley North borrow</p>	Low	Temporary Minor Adverse			

Asset reference number	Name	Designation(s)	Value	Construction impact			Operation impact		
				Nature of impact including mitigation	Scale of impact	Effect	Nature of impact including mitigation	Scale of impact	Effect
				<p>pits will give rise to a different effect by temporarily constructing discharge infrastructure and scour protection into the canal apron.</p> <p>The asset will also experience an additional temporary and permanent change as a result of the construction of HS2 Phase One. This will constitute both a temporary and permanent medium adverse impact and a moderate adverse significant effect. There will be a cumulative effect as a result of construction of the AP2 revised scheme and HS2 Phase One.</p>	Medium	Temporary and Permanent Moderate Adverse Cumulative			
FRCo62	Rugeley and Alrewas Turnpike Road	Non-designated	Low	This asset is located within the area of land required for the AP2 revised scheme. Buried archaeological remains associated with the asset will be removed by the construction of the Trent Valley viaduct and highway works on the A513 Rugeley Road.	Medium	Permanent Minor Adverse	The permanent construction effect remains and there will be no further impact from operation of the AP2 revised scheme.	No change	Neutral
FRCo84	Pits, linear features and ring ditch north of Pipe Ridware	Non-designated	Moderate	This archaeological asset lies within the land required for the AP2 revised scheme. It will be substantially removed by the construction of the Pipe Ridware embankment satellite compound and the creation of a grassland habitat adjacent to Pipe Lane as well as the diversion of a National Grid Gas Transmission gas pipeline, north of Pipe Ridware.	High	Permanent Major Adverse	The permanent construction effect remains and there will be no further impact from operation of the AP2 revised scheme.	No change	Neutral
FRCo95	Rectilinear enclosure, west of Pipe Wood Lane, Pipe	Non-designated	Moderate	This archaeological asset is situated within the area of land required for the AP2 revised scheme. A portion of buried archaeological remains associated with the asset will be	High	Permanent Major Adverse	The permanent construction effect remains and there will be no further impact from	No change	Neutral



Asset reference number	Name	Designation(s)	Value	Construction impact			Operation impact		
				Nature of impact including mitigation	Scale of impact	Effect	Nature of impact including mitigation	Scale of impact	Effect
	Wood, Mavesyn Ridware			removed by the construction of the Blithbury South cutting, the adjacent false cutting and landscape bund, the adjacent temporary stockpile area and the insertion of minor utilities.			operation of the AP2 revised scheme.		
FRC117	Earthwork remains of a narrow ridge and furrow, Colton	Non-designated	Low	This asset is located within the area of land required for the AP2 revised scheme. Buried archaeological remains will be almost entirely removed by the soil storage areas and the construction of the Stockwell Heath embankment, Stockwell Heath cutting and the insertion of minor utilities.	High	Permanent Moderate Adverse	The permanent construction effect remains and there will be no further impact from operation of the AP2 revised scheme.	No change	Neutral
FRC131	Newlands Farmhouse Newlands and associated barn and stables	Grade II	Moderate	The asset primarily derives its significance from its architectural and historical value and from the interrelationship of the buildings around it. The asset is located approximately 425m to the south-east of the land required for the AP2 revised scheme and will not be physically impacted. Construction of overhead wires and pylons will result in visual impacts affecting the historic rural settings of the structures.	Medium	Temporary Negligible Adverse  Permanent Moderate Adverse	The permanent construction effect remains and there will be no further impact from operation of the AP2 revised scheme.	No change	Neutral
FRC153	Possible site of a medieval deer park, Colton Hall Farm	Non-designated	Low	The asset is outside the land required for the AP2 revised scheme and will not be impacted.	No change	Neutral	No impact upon significance.	No change	Neutral
FRC158	Cropmark complex, Eastfields, Kings Bromley	Non-designated	Moderate	This archaeological asset is partially situated within the land required for the AP2 revised scheme. A portion of buried archaeological remains associated with the asset will be removed.	Low	Permanent Minor Adverse	The permanent construction effect remains and there will be no further impact from operation of the AP2 revised scheme.	No change	Neutral

Asset reference number	Name	Designation(s)	Value	Construction impact			Operation impact		
				Nature of impact including mitigation	Scale of impact	Effect	Nature of impact including mitigation	Scale of impact	Effect
FRC173	Colton Hall Farm	Non-designated	Low	The asset is outside the land required for the AP2 revised scheme and will not be impacted.	No change	Neutral	No impact upon significance.	No change	Neutral
FRC174	Cropmarks at Colton Hall Farm, Colton	Non-designated	Low	The asset is outside the land required for the AP2 revised scheme and will not be impacted.	No change	Neutral	No impact upon significance.	No change	Neutral
FRC178	Cropmark enclosure, Cawarden Springs, Mavesyn Ridware	Non-designated	Moderate	The asset is outside the land required for the AP2 revised scheme and will not be impacted.	No change	Neutral	No impact upon significance.	No change	Neutral
FRC180	Water meadows north of Brereton and south of Cawarden Springs Wood	Non-designated	Low	The asset is outside the land required for the AP2 revised scheme and will not be impacted.	No change	Neutral	No impact upon significance.	No change	Neutral
FRC188	Boothhurst, Rugeley	Non-designated	Not significant	The asset is outside the land required for the AP2 revised scheme and will not be impacted.	No change	Neutral	No impact upon significance.	No change	Neutral
FRC189	Possible squatter settlement, Langley Common, Rugeley	Non-designated	Not significant	The asset is outside the land required for the AP2 revised scheme and will not be impacted.	No change	Neutral	No impact upon significance.	No change	Neutral
FRC277	Bridge over the Little Blithe River on the B5014 Litchfield road	Non-designated	Moderate	The asset primarily derives its significance from its architectural and historical value and from the interrelationship of the buildings around it. The asset is wholly within the land required for the AP2 revised scheme but will not be physically impacted.	No change	Neutral	No impact upon significance	No change	Neutral

Asset reference number	Name	Designation(s)	Value	Construction impact			Operation impact		
				Nature of impact including mitigation	Scale of impact	Effect	Nature of impact including mitigation	Scale of impact	Effect
FRC278	Bridge over the Pur Brook River on the B5234 road	Non-designated	Low	The asset primarily derives its significance from its architectural and historical value. The asset is outside the land required for the AP2 revised scheme and will not be impacted.	No change	Neutral	The permanent construction effect remains and there will be no further impact from operation of the AP2 revised scheme.	No change	Neutral
FRC312	Possible archaeological feature	Non-designated	Low	The asset derives its significance from its evidential value. The current setting of the asset is not thought to contribute to its significance. The asset is located approximately 60m to the north of the land required for the AP2 revised scheme and will be unaffected.	No change	Neutral	No impact upon significance.	No change	Neutral
FRC313	Associated features of rectilinear feature to the north-west	Non-designated	Low	The asset derives its significance from its evidential value. The current setting of the asset is not thought to contribute to its significance. The asset is located partially within the land required for the AP2 revised scheme and will be partially removed.	Minimal	Permanent Negligible Adverse	The permanent construction effect remains and there will be no further impact from operation of the AP2 revised scheme.	No change	Neutral
FRC314	Rectilinear enclosure with possible associated features to the south-east to the west of Newlands Lane	Non-designated	Low	The asset derives its significance from its evidential value. The current setting of the asset is not thought to contribute to its significance. The north-eastern edge of the asset is located within the land required for the AP2 revised scheme and this section will be removed.	Medium	Permanent Minor Adverse	The permanent construction effect remains and there will be no further impact from operation of the AP2 revised scheme.	No change	Neutral
FRC315	Ridge and furrow, west of Mount Pleasant Farm	Non-designated	Low	The asset derives its significance from its evidential value. The current setting of the asset is not thought to contribute to its significance. The asset is located adjacent to the land required for the	No change	Neutral	No impact upon significance.	No change	Neutral

Asset reference number	Name	Designation(s)	Value	Construction impact			Operation impact		
				Nature of impact including mitigation	Scale of impact	Effect	Nature of impact including mitigation	Scale of impact	Effect
				AP2 revised scheme and will be unaffected.					
FRC316	Mount Pleasant Farmhouse	Listed building	Moderate	The asset primarily derives its significance from its architectural and historical value and from the interrelationship of the buildings around it. The asset is located approximately 180m to the east of the land required for the AP2 revised scheme and will be physically unaffected. Construction of overhead wires and pylons will introduce visual impacts affecting the historic rural settings of the structure.	Low	Permanent Minor Adverse	The permanent construction effect remains and there will be no further impact from operation of the AP2 revised scheme.	No change	Neutral
FRC318	Enclosures and associated features	Non-designated	Moderate	The asset derives its significance from its evidential value. The current setting of the asset is not thought to contribute to its significance. The asset is located approximately 120m to the east of the land required for the AP2 revised scheme and will be unaffected.	No change	Neutral	No impact upon significance.	No change	Neutral
FRC319	Mount Pleasant Farm, Orange Lane, Abbots Bromley	Non-designated	Low	The asset primarily derives its significance from its agricultural and historical value and from the interrelationship of the buildings around it. The asset is located approximately 160m to the east of the land required for the AP2 revised scheme and will be unaffected. Construction of overhead wires and pylons will introduce visual impacts affecting the historic rural settings of the structure.	Low	Permanent Minor Adverse	The permanent construction effect remains and there will be no further impact from operation of the AP2 revised scheme.	No change	Neutral

Asset reference number	Name	Designation(s)	Value	Construction impact			Operation impact		
				Nature of impact including mitigation	Scale of impact	Effect	Nature of impact including mitigation	Scale of impact	Effect
FRC320	Barn, The Rookery Farm, Bromley Hurst	Non-designated	Low	The asset primarily derives its significance from its architectural and historical value and from the interrelationship of the buildings around it. The asset is located approximately 480m to the north of the land required for the AP2 revised scheme and will be unaffected.	No change	Neutral	No impact upon significance.	No change	Neutral
FRC321	Ridge and Furrow, Abbots Bromley	Non-designated	Low	The asset derives its significance from its evidential value. The current setting of the asset is not thought to contribute to its significance. The asset is located approximately 280m to the south of the land required for the AP2 revised scheme and will be unaffected.	No change	Neutral	No impact upon significance.	No change	Neutral
FRC322	Gilleon's Hall	Listed building	Moderate	The asset primarily derives its significance from its architectural and historical value and from the interrelationship of the buildings around it. The asset is located approximately 425m to the south of the land required for the AP2 revised scheme and will be unaffected.	No change	Neutral	No impact upon significance.	No change	Neutral
FRC323	Bowling Alley Lane	Non-designated	Low	The asset derives its significance from its historical value. The asset is located outside the land required for the AP2 revised scheme and will be unaffected.	No change	Neutral	No impact upon significance.	No change	Neutral
FRC324	Wall incorporating bee boles and fowl pens immediately	Listed building	Moderate	The asset primarily derives its significance from its architectural and historical value and from the interrelationship of the buildings around it. The asset is located approximately 415m to the south of	No change	Neutral	No impact upon significance.	No change	Neutral

Asset reference number	Name	Designation(s)	Value	Construction impact			Operation impact		
				Nature of impact including mitigation	Scale of impact	Effect	Nature of impact including mitigation	Scale of impact	Effect
	east of Gilleon's Hall			the land required for the AP2 revised scheme and will be unaffected.					
FRC326	Ridge and furrow, north of Mount Pleasant Farm	Non-designated	Low	The asset derives its significance from its evidential value. The current setting of the asset is not thought to contribute to its significance. The asset is located partially within the land required for the AP2 revised scheme and will be partially removed.	High	Permanent Moderate adverse	The permanent construction effect remains and there will be no further impact from operation of the AP2 revised scheme.	No change	Neutral
FRC327	Ridge and furrow, south-west of Bromley Hurst	Non-designated	Low	The asset derives its significance from its evidential value. The current setting of the asset is not thought to contribute to its significance. The asset is located partially within the land required for the AP2 revised scheme and will be partially removed.	Minimal	Permanent Negligible Adverse	The permanent construction effect remains and there will be no further impact from operation of the AP2 revised scheme.	No change	Neutral
FRC328	Bromley Hurst Glassworks	Non-designated	Low	The asset primarily derives its significance from its historical value. The asset is located approximately 80m to the south of the land required for the AP2 revised scheme and will be unaffected.	No change	Neutral	No impact upon significance.	No change	Neutral
FRC329	Milepost near Slade Covert	Listed building	Moderate	The milepost derives its significance from its function and its historical association with the Burton upon Trent to Abbots Bromley turnpike road. The asset is located approximately 1.5km to the south of the land required for the AP2 revised scheme and will be unaffected.	No change	Neutral	No impact upon significance.	No change	Neutral
FRC330	Darley Oaks Farmhouse	Listed building	Moderate	The asset primarily derives its significance from its architectural and historical value and from the	No change	Neutral	No impact upon significance.	No change	Neutral

Asset reference number	Name	Designation(s)	Value	Construction impact			Operation impact		
				Nature of impact including mitigation	Scale of impact	Effect	Nature of impact including mitigation	Scale of impact	Effect
				interrelationship of the buildings around it. The asset is located approximately 1.7km to the south of the land required for the AP2 revised scheme and will be unaffected.					
FRC331	Hurd's Farm, Abbots Bromley	Non-designated	Low	The asset primarily derives its significance from its agricultural and historical value and from the interrelationship of the buildings around it. The asset is located approximately 150m to the south of the land required for the AP2 revised scheme and will not be physically impacted. Construction of overhead wires and pylons will introduce visual impacts affecting the historic rural settings of the structure.	Minimal	Permanent Negligible Adverse	The permanent construction effect remains and there will be no further impact from operation of the AP2 revised scheme.	No change	Neutral
FRC332	Bentilee Park Farmhouse, Glass Lane, Abbots Bromley	Listed building	Moderate	The asset primarily derives its significance from its architectural and historical value and from the interrelationship of the buildings around it. The asset is located approximately 420m to the south-east of the land required for the AP2 revised scheme and will not be physically impacted. Construction of overhead wires and pylons will introduce visual impacts affecting the historic rural settings of the structure.	Low	Temporary Negligible Adverse  Permanent Moderate Adverse	The permanent construction effect remains and there will be no further impact from operation of the AP2 revised scheme.	No change	Neutral
FRC333	Stables and former cartsheds, Bentilee Park Farm, Abbots Bromley	Listed building	Moderate	The asset primarily derives its significance from its architectural and historical value and from the interrelationship of the buildings around it. The asset is located approximately 425m to the south-east of the land required for the AP2	Low	Temporary Negligible Adverse  Permanent Moderate Adverse	The permanent construction effect remains and there will be no further impact from operation of the AP2 revised scheme.	No change	Neutral

Asset reference number	Name	Designation(s)	Value	Construction impact			Operation impact		
				Nature of impact including mitigation	Scale of impact	Effect	Nature of impact including mitigation	Scale of impact	Effect
				revised scheme and will not be physically impacted. Construction of overhead wires and pylons will introduce visual impacts affecting the historic rural settings of the structures.					
FRC334	Bentilee Park Farm, Glass Lane, Abbots Bromley	Non-designated	Low	The asset primarily derives its significance from its agricultural and historical value and from the interrelationship of the buildings around it. The asset is located approximately 380m to the south-east of the land required for the AP2 revised scheme and will be unaffected.	No change	Neutral	No impact upon significance.	No change	Neutral
FRC335	Milepost at NGR SK 0865 2289	Listed building	Moderate	The milepost derives its significance from its function and its historical association with the Burton upon Trent to Abbots Bromley turnpike road. The asset is located approximately 250m to the north of the land required for the AP2 revised scheme and will be unaffected.	No change	Neutral	No impact upon significance.	No change	Neutral
FRC336	Abbots Bromley Parish Boundary	Non-designated	Moderate	The asset primarily derives its significance from its historical value. Part of the asset is located within the land required for AP2 revised scheme and will be removed.	Low	Permanent Minor Adverse	The permanent construction effect remains and there will be no further impact from operation of the AP2 revised scheme.	No change	Neutral
FRC337	Pair of gate piers and gates to south boundary of terrace garden at Hoar Cross Hall	Listed building	High	The asset primarily derives its significance from its architectural and historical value and from the interrelationship of the buildings around it. The asset is located approximately 890m to the south of the land required for the AP2 revised scheme and will be unaffected.	No change	Neutral	No impact upon significance.	No change	Neutral



Asset reference number	Name	Designation(s)	Value	Construction impact			Operation impact		
				Nature of impact including mitigation	Scale of impact	Effect	Nature of impact including mitigation	Scale of impact	Effect
FRC338	Church of Holy Angels	Listed building	High	The asset primarily derives its significance from its architectural and historical value and from the interrelationship of the buildings around it. The asset is located approximately 770m to the south of the land required for the AP2 revised scheme and will be unaffected.	No change	Neutral	No impact upon significance.	No change	Neutral
FRC339	Pair of gate piers and seats on the south terrace of Hoar Cross Hall	Listed building	High	The asset primarily derives its significance from its architectural and historical value and from the interrelationship of the buildings around it. The asset is located approximately 850m to the south of the land required for the AP2 revised scheme and will be unaffected.	No change	Neutral	No impact upon significance.	No change	Neutral
FRC340	Hoar Cross Hall Park	Non-designated	Low	The asset derives its significance from its evidential and historical value and association with Hoar Cross Hall. The asset is located approximately 425m to the south of the land required for the AP2 revised scheme and will be unaffected.	No change	Neutral	No impact upon significance.	No change	Neutral
FRC341	Hoar Cross Hall	Listed building	Moderate	The asset primarily derives its significance from its architectural and historical value and from the interrelationship of the buildings around it. The asset is located approximately 780m to the south of the land required for the AP2 revised scheme and will be unaffected.	No change	Neutral	No impact upon significance.	No change	Neutral

Asset reference number	Name	Designation(s)	Value	Construction impact			Operation impact		
				Nature of impact including mitigation	Scale of impact	Effect	Nature of impact including mitigation	Scale of impact	Effect
FRC342	Hoar Cross Conservation Area	Conservation Area	Moderate	<p>The asset derives its significance from the layout of the historic settlement and the interrelationship of the buildings within it. The asset is located partially within the land required for the AP2 revised scheme and will be partially removed.</p> <p>Construction of overhead wires and pylons will affect the historic rural settings of the conservation area.</p>	<p>Low</p> <p>Minimal</p>	<p>Permanent Minor Adverse</p> <p>Temporary Minor Adverse</p>	The permanent construction effect remains and there will be no further impact from operation of the AP2 revised scheme.	No change	Neutral
FRC343	Gateway and Lodge to Hoar Cross Hall	Listed building	Moderate	The asset primarily derives its significance from its architectural and historical value and from the interrelationship of the buildings around it. The asset is located approximately 600m to the south of the land required for the AP2 revised scheme and will be unaffected.	No change	Neutral	No impact upon significance.	No change	Neutral
FRC344	Churchyard boundary wall and gate at Christchurch	Listed building	Moderate	The asset primarily derives its significance from its architectural and historical value and from the interrelationship of the buildings around it. The asset is located approximately 1.5km to the south of the land required for the AP2 revised scheme and will be unaffected.	No change	Neutral	No impact upon significance.	No change	Neutral
FRC345	Christchurch	Listed building	Moderate	The asset primarily derives its significance from its architectural and historical value and from the interrelationship of the buildings around it. The asset is located approximately 1.5km to the south of the land required for the AP2 revised scheme and will be unaffected.	No change	Neutral	No impact upon significance.	No change	Neutral

Asset reference number	Name	Designation(s)	Value	Construction impact			Operation impact		
				Nature of impact including mitigation	Scale of impact	Effect	Nature of impact including mitigation	Scale of impact	Effect
FRC346	Ditch, Abbots Bromley	Non-designated	Low	The asset derives its significance from its evidential value. The current setting of the asset is not thought to contribute to its significance. The asset is located approximately 10m to the south of the land required for the AP2 revised scheme and will be unaffected.	No change	Neutral	No impact upon significance.	No change	Neutral
FRC347	Ashlands Farm, Abbots Bromley	Non-designated	Low	The asset primarily derives its significance from its architectural and historical value and from the interrelationship of the buildings around it. The asset is located approximately 400m to the south of the land required for the AP2 revised scheme and will not be physically impacted. Construction of overhead wires and pylons will introduce visual impacts affecting the historic rural settings of the asset.	Minimal	Permanent Negligible Adverse	The permanent construction effect remains and there will be no further impact from operation of the AP2 revised scheme.	No change	Neutral
FRC348	Bentilee Farm, Abbots Bromley	Non-designated	Low	The asset primarily derives its significance from its architectural and historical value and from the interrelationship of the buildings around it. The asset is located approximately 130m to the south of the land required for the AP2 revised scheme and will not be physically impacted. Construction of overhead wires and pylons will introduce visual impacts affecting the historic rural settings of the asset.	Low	Permanent Minor Adverse	The permanent construction effect remains and there will be no further impact from operation of the AP2 revised scheme.	No change	Neutral

Asset reference number	Name	Designation(s)	Value	Construction impact			Operation impact		
				Nature of impact including mitigation	Scale of impact	Effect	Nature of impact including mitigation	Scale of impact	Effect
FRC349	Brakenhurst Farmhouse	Listed building	Moderate	The asset primarily derives its significance from its architectural and historical value and from the interrelationship of the buildings around it. The asset is located approximately 1.5km to the east of the land required for the AP2 revised scheme and will be unaffected.	No change	Neutral	No impact upon significance.	No change	Neutral
FRC350	Barn approximately 10 metres south of High Elm Farmhouse	Listed building	Moderate	The asset primarily derives its significance from its architectural and historical value and from the interrelationship of the buildings around it. The asset is located approximately 1.8km to the north-west of the land required for the AP2 revised scheme and will be unaffected.	No change	Neutral	No impact upon significance.	No change	Neutral
FRC351	Town End Farmhouse	Listed building	Moderate	The asset primarily derives its significance from its architectural and historical value and from the interrelationship of the buildings around it. The asset is located approximately 1.5km to the north of the land required for the AP2 revised scheme and will be unaffected.	No change	Neutral	No impact upon significance.	No change	Neutral
FRC352	Grange Farmhouse	Listed building	Moderate	The asset primarily derives its significance from its architectural and historical value and from the interrelationship of the buildings around it. The asset is located approximately 1.1km to the west of the land required for the AP2	No change	Neutral	No impact upon significance.	No change	Neutral

Asset reference number	Name	Designation(s)	Value	Construction impact			Operation impact		
				Nature of impact including mitigation	Scale of impact	Effect	Nature of impact including mitigation	Scale of impact	Effect
				revised scheme and will be unaffected.					
FRC353	Milepost at NGR SK 0998 2420	Listed building	Moderate	The milepost derives its significance from its function and its historical association with the Burton upon Trent to Abbots Bromley turnpike road. The asset is located approximately 800m to the west of the land required for the AP2 revised scheme and will be unaffected.	No change	Neutral	No impact upon significance.	No change	Neutral
FRC354	Burton upon Trent to Abbots Bromley Turnpike Road	Non-designated	Low	Burton on Trent to Abbots Bromley Turnpike Road is a historic roadway part of a historic landscape, which is approximately 17km in length. The road derives its significance from its function and its historical association with private transport. The asset is located partially within the land required for the AP2 revised scheme and will be partially removed. Construction impact will be unaffected.	No change	Neutral	No impact upon significance.	No change	Neutral
FRC355	Milepost at NGR SK 0838 2435	Listed building	Moderate	The milepost derives its significance from its function and its historical association with the Burton upon Trent to Abbots Bromley turnpike road. The asset is located approximately 1.8km to the west of the land required for the AP2 revised scheme and will be unaffected.	No change	Neutral	No impact upon significance.	No change	Neutral

Asset reference number	Name	Designation(s)	Value	Construction impact			Operation impact		
				Nature of impact including mitigation	Scale of impact	Effect	Nature of impact including mitigation	Scale of impact	Effect
FRC356	Bank House	Listed building	Moderate	The asset derives its significance in part from its architectural and historical value, and in part from its spatial and functional relationship with Abbots Bromley and adjacent buildings, which are key elements of its setting. The asset is located approximately 1.8km to the west of the land required for the AP2 revised scheme and will be unaffected.	No change	Neutral	No impact upon significance.	No change	Neutral
FRC357	The Coach and Horses	Listed building	Moderate	The asset derives its significance in part from its architectural and historical value, and in part from its spatial and functional relationship with Abbots Bromley and adjacent buildings, which are key elements of its setting. The asset is located approximately 1.8km to the west of the land required for the AP2 revised scheme and will be unaffected.	No change	Neutral	No impact upon significance.	No change	Neutral
FRC358	Dandelion Cottages, garden wall, gates and railings, School of St Mary and St Anne	Listed building	Moderate	The asset derives its significance in part from its architectural and historical value, and in part from its spatial and functional relationship with Abbots Bromley and adjacent buildings, which are key elements of its setting. The asset is located approximately 1.8km to the west of the land required for the AP2 revised scheme and will be unaffected.	No change	Neutral	No impact upon significance.	No change	Neutral
FRC359	Coleridge Farmhouse, School of St.	Listed building	Moderate	The asset derives its significance in part from its architectural and historical value, and in part from its	No change	Neutral	No impact upon significance.	No change	Neutral

Asset reference number	Name	Designation(s)	Value	Construction impact			Operation impact		
				Nature of impact including mitigation	Scale of impact	Effect	Nature of impact including mitigation	Scale of impact	Effect
	Mary and St. Anne			spatial and functional relationship with Abbots Bromley and adjacent buildings, which are key elements of its setting. The asset is located approximately 1.8km to the west of the land required for the AP2 revised scheme and will be unaffected.					
FRC360	Abbots Bromley Conservation Area	Conservation Area	Moderate	The asset derives its significance from the layout of the historic settlement and the interrelationship of the buildings within it. It also has evidential value with the ability to contain information about medieval and later settlement. The asset is located approximately 1.6km to the west of the land required for the AP2 revised scheme and will be unaffected.	No change	Neutral	No impact upon significance.	No change	Neutral
FRC361	Bromley Wood Farm, Abbots Bromley	Non-designated	Low	The asset primarily derives its significance from its architectural and historical value. The asset is located approximately 170m to the west of the land required for the AP2 revised scheme and will not be physically impacted. Construction of overhead wires and pylons will introduce visual impacts affecting the historic rural settings of the asset.	Low	Permanent Minor Adverse	The permanent construction effect remains and there will be no further impact from operation of the AP2 revised scheme.	No change	Neutral
FRC362	Moat Hall Farmhouse	Listed building	Moderate	The asset primarily derives its significance from its architectural and historical value. The asset is located approximately 500m to the north-east of the land required for the AP2 revised scheme and will not be impacted.	No change	Neutral	No impact upon significance.	No change	Neutral

Asset reference number	Name	Designation(s)	Value	Construction impact			Operation impact		
				Nature of impact including mitigation	Scale of impact	Effect	Nature of impact including mitigation	Scale of impact	Effect
FRC363	Milepost at NGR SK 1148 2460	Listed building	Moderate	The milepost derives its significance from its function and its historical association with the Burton upon Trent to Abbots Bromley turnpike road. The asset is located approximately 20m to the south-east of the land required for the AP2 revised scheme and will be unaffected.	No change	Neutral	No impact upon significance.	No change	Neutral
FRC364	Sub-circular Cropmark	Non-designated	Low	The asset derives its significance primarily from the evidential and historical value. The asset is located within the land required for the AP2 revised scheme and will be removed.	High	Permanent Moderate Adverse	The permanent construction effect remains and there will be no further impact from operation of the AP2 revised scheme.	No change	Neutral
FRC365	Grange, Bromley Wood, Abbots Bromley	Non-designated	Low	The asset derives its significance primarily from the evidential and historical value of the farmstead. The asset is located approximately 500m to the west of the land required for the AP2 revised scheme, is well screened and will be unaffected.	No change	Neutral	No impact upon significance.	No change	Neutral
FRC366	Cropmark indicating a circular enclosure	Non-designated	Low	The asset derives its significance from its evidential value. The current setting of the asset is not thought to contribute to its significance. The asset is partially within the land required for the AP2 revised scheme and will be partially removed.	High	Permanent Moderate Adverse	The permanent construction effect remains and there will be no further impact from operation of the AP2 revised scheme.	No change	Neutral
FRC367	The Old Thatch	Listed building	Moderate	The asset primarily derives its significance from its architectural and historical value and from the layout of the historic settlement and the interrelationship of the buildings within it. The asset is located approximately 1km to the	No change	Neutral	No impact upon significance.	No change	Neutral



Asset reference number	Name	Designation(s)	Value	Construction impact			Operation impact		
				Nature of impact including mitigation	Scale of impact	Effect	Nature of impact including mitigation	Scale of impact	Effect
				north of the land required for the AP2 revised scheme and is well screened. It will be unaffected.					
FRC368	Milepost at NGR SK 1431 2517	Listed building	Moderate	The milepost derives its significance from its function and its historical association with the Burton upon Trent to Abbots Bromley turnpike road. The asset is located approximately 1.6km to the north-east of the land required for the AP2 revised scheme and will be unaffected.	No change	Neutral	No impact upon significance.	No change	Neutral
FRC369	Bromley Park Deer Park, Abbots Bromley	Non-designated	Low	The asset derives its significance from its evidential and historical value. The asset is located partially within the land required for the AP2 revised scheme and will be partially removed.	Low	Permanent Minor Adverse	The permanent construction effect remains and there will be no further impact from operation of the AP2 revised scheme.	No change	Neutral
FRC370	Church of All Saints	Listed building	Moderate	The asset primarily derives its significance from its architectural and historical value and from the layout of the historic settlement and the interrelationship of the buildings within it. The asset is located approximately 1.3km to the north of the land required for the AP2 revised scheme and will be unaffected.	No change	Neutral	No impact upon significance.	No change	Neutral
FRC371	Milepost at NGR SK 1280 2544	Listed building	Moderate	The milepost derives its significance from its function and its historical association with the Burton upon Trent to Abbots Bromley turnpike road. The asset is located approximately 710m to the north of the land required for the AP2 revised scheme and will be unaffected.	No change	Neutral	No impact upon significance.	No change	Neutral

Asset reference number	Name	Designation(s)	Value	Construction impact			Operation impact		
				Nature of impact including mitigation	Scale of impact	Effect	Nature of impact including mitigation	Scale of impact	Effect
FRC372	Farm outbuilding to the north-west of Newborough Farmhouse	Listed building	Moderate	The asset primarily derives its significance from its architectural and historical value. The asset is located approximately 1.4km to the north of the land required for the AP2 revised scheme and will be unaffected.	No change	Neutral	No impact upon significance.	No change	Neutral
FRC373	Newborough Hall moated site, millpond, two fishponds and connecting channels.	Scheduled Monument	High	The asset derives its significance from its evidential value. The current setting of the asset is not thought to contribute to its significance. The asset is located approximately 1.4km to the north of the land required for the AP2 revised scheme and will be unaffected.	No change	Neutral	No impact upon significance.	No change	Neutral
FRC374	Stables and house approximately 100 yards west of Holly Bush	Listed building	Moderate	The asset primarily derives its significance from its architectural and historical value and from the interrelationship of the buildings around it. The asset is located approximately 1.95km to the north of the land required for the AP2 revised scheme and will be unaffected.	No change	Neutral	No impact upon significance.	No change	Neutral
FRC375	Coach house and stables approximately 30 metres west of Holly Bush.	Listed building	Moderate	The asset primarily derives its significance from its architectural and historical value and from the interrelationship of the buildings around it. The asset is located approximately 1.95km to the north of the land required for the AP2 revised scheme and will be unaffected.	No change	Neutral	No impact upon significance.	No change	Neutral

Asset reference number	Name	Designation(s)	Value	Construction impact			Operation impact		
				Nature of impact including mitigation	Scale of impact	Effect	Nature of impact including mitigation	Scale of impact	Effect
FRC376	Holly Bush	Listed building	Moderate	The asset primarily derives its significance from its architectural and historical value and from the interrelationship of the buildings around it. The asset is located approximately 1.95km to the north of the land required for the AP2 revised scheme and will be unaffected.	No change	Neutral	No impact upon significance.	No change	Neutral
FRC377	Parkside farmhouse and attached stable and cow shed	Listed building	Moderate	The asset primarily derives its significance from its architectural and historical value and from the interrelationship of the buildings around it. The asset is located approximately 1.4km to the north-east of the land required for the AP2 revised scheme, is well screened and will be unaffected.	No change	Neutral	No impact upon significance.	No change	Neutral
FRC378	Barn and cart shed approximately 10 metres south of Park Lodge	Listed building	Moderate	The asset primarily derives its significance from its architectural and historical value and from the interrelationship of the buildings around it and its association with Park Lodge. The asset is located approximately 1.5km to the north-east of the land required for the AP2 revised scheme, is well screened and will be unaffected.	No change	Neutral	No impact upon significance.	No change	Neutral
FRC379	Park Lodge	Listed building	Moderate	The asset primarily derives its significance from its architectural and historical value, its placement, agricultural setting and from the interrelationship with the barn and cart shed. The asset is located	No change	Neutral	No impact upon significance.	No change	Neutral

Asset reference number	Name	Designation(s)	Value	Construction impact			Operation impact		
				Nature of impact including mitigation	Scale of impact	Effect	Nature of impact including mitigation	Scale of impact	Effect
				approximately 1.5km to the north-east of the land required for the AP2 revised scheme, is well screened and will be unaffected.					
FRC380	Lichfield Listed buildings, Scheduled Monument and Registered Park and Garden	Listed building, Scheduled Monument	High	The asset derives its significance from the layout of the historic settlement and the interrelationship of the buildings within it. It also has evidential value with the ability to contain information about other settlement activity. The asset is located approximately 700m to the south of the land required for the AP2 revised scheme, lies to the south of the busy A5192 road and will be unaffected.	No change	Neutral	No impact upon significance.	No change	Neutral
FRC381	Pipewood Camp School in Blithbury near Rugeley	Non-designated	Low	The asset derives its significance from the layout of the historic camp and the interrelationship of the buildings within it. It also has evidential value with the ability to contain information about other settlement activity. The asset is located within the land required for the AP2 revised scheme and will be totally removed.	High	Permanent Moderate Adverse	The permanent construction effect remains and there will be no further impact from operation of the AP2 revised scheme.	No change	Neutral
FRC382	Bridge on the B5014 close to Blithford Farm	Non-designated	Low	The asset primarily derives its significance from its architectural and historical value. The asset is approximately 30m outside the land required for the AP2 revised scheme and will not be impacted.	No change	Neutral	No impact upon significance.	No change	Neutral

## 3.2 Colwich to Yarlet (CA2)

### Impact assessment

Table 5: Impact assessment for the Colwich to Yarlet area (CA2)

Asset reference number	Name	Designation(s)	Value	Construction impact			Operation impact		
				Nature of impact including mitigation	Scale of impact	Effect	Nature of impact including mitigation	Scale of impact	Effect
COY019	Enclosure, Tolldish Lane, Colwich	Non-designated	Low	The asset derives its significance from its evidential value. The current setting of the asset is not thought to contribute to its significance. The asset lies fully within the land required for the AP2 revised scheme and will be removed.	High	Permanent Moderate Adverse	The permanent construction effect remains and there will be no further impact from operation of the AP2 revised scheme.	No change	Neutral
COY045	Hoo Mill cropmarks	Non-designated	High	The asset derives its significance from its evidential value. The current setting of the asset is not thought to contribute to its significance. The asset lies partially within the land required for the AP2 revised scheme and will be partially removed.	High	Permanent Major Adverse	The permanent construction effect remains and there will be no further impact from operation of the AP2 revised scheme.	No change	Neutral
COY046	Trent water meadows	Non-designated	Low	The asset derives its significance from its evidential value. The current setting of the asset is not thought to contribute to its significance. The asset lies partially within the land required for the AP2 revised scheme and will be partially removed.	High	Permanent Moderate Adverse	The permanent construction effect remains and there will be no further impact from operation of the AP2 revised scheme.	No change	Neutral

Asset reference number	Name	Designation(s)	Value	Construction impact			Operation impact		
				Nature of impact including mitigation	Scale of impact	Effect	Nature of impact including mitigation	Scale of impact	Effect
COY048	Ingestre gravels cropmarks	Non-designated	High	The asset derives its significance from its evidential value. The current setting of the asset is not thought to contribute to its significance. The asset lies partially within the land required for the AP2 revised scheme and will be partially removed.	High	Permanent Major Adverse	The permanent construction effect remains and there will be no further impact from operation of the AP2 revised scheme.	No change	Neutral
COY121	Preserved ridge and furrow, north of Newbuildings Farm, Hopton	Non-designated	Low	The asset derives its significance from its evidential value. The current setting of the asset is not thought to contribute to its significance. The asset lies partially within the land required for the AP2 revised scheme and will be partially removed.	High	Permanent Moderate Adverse	The permanent construction effect remains and there will be no further impact from operation of the AP2 revised scheme.	No change	Neutral
COY137	Yarlett DMV	Non-designated	Moderate	Geophysical anomalies indicating buried archaeological features of unknown date lie partially within the land required for the AP2 revised scheme and will be partially removed. The asset derives its significance from its potential evidential value for past human settlement/activity. The AP2 revised scheme will not profoundly alter the key aspects of the setting of the asset that contribute to its significance.	Medium	Permanent Moderate Adverse	The permanent construction effect remains and there will be no further impact from operation of the AP2 revised scheme.	No change	Neutral
COY141	Yarlet – field system/ridge and furrow west of A34 Stone Road	Non-designated	Low	The asset derives its significance from its evidential value. The current setting of the asset is not thought to contribute to its significance. The asset lies partially within the land required for the AP2 revised scheme and will be partially removed.	Medium	Permanent Minor Adverse	The permanent construction effect remains and there will be no further impact from operation of the AP2 revised scheme.	No change	Neutral

### 3.3 Stone and Swynnerton (CA3)

#### Impact assessment

Table 6: Impact assessment for the Stone and Swynnerton area (CA3)

Asset reference number	Name	Designation(s)	Value	Construction impact			Operation impact		
				Nature of impact including mitigation	Scale of impact	Effect	Nature of impact including mitigation	Scale of impact	Effect
STS005	North Pirehill Farm	Non-designated	Low	<p>The asset is located immediately adjacent to the land required for the AP2 revised scheme. The Yarlet North cutting and Stone Rural Bridleway accommodation overbridge will be constructed within 100m of the historic elements of the farm complex.</p> <p>Construction activities including traffic movements along Pirehill Lane and the permanent underground diversion of a Western Power Distribution 11kV overhead line will intrude into the rural, agricultural, setting of the complex. Once construction is complete the cutting will be screened by mitigation planting, which will form a new element in the immediate setting of the farm.</p>	<p>Minimal</p> <p>High</p>	<p>Permanent Negligible Adverse</p> <p>Temporary Moderate Adverse</p>	The permanent construction effect remains and there will be no further impact from operation of the AP2 revised scheme.	No change	Neutral
STS044	Ring ditch, Sandyford	Non-designated	Medium	The asset derives its significance from its evidential value. The current setting of the asset is not thought to contribute to its significance. The asset lies partially within the land required for the AP2 revised scheme and will be partially removed.	High	Permanent Major Adverse	The permanent construction effect remains and there will be no further impact from operation of the AP2 revised scheme.	No change	Neutral
STS084	Mill Meece Pumping Station	Listed building	High	The complex of complementary buildings gets its significance from its architectural and historical value.	Low	Permanent Moderate Adverse	The permanent construction effect remains and there will be no further impact from	No change	Neutral

Asset reference number	Name	Designation(s)	Value	Construction impact			Operation impact		
				Nature of impact including mitigation	Scale of impact	Effect	Nature of impact including mitigation	Scale of impact	Effect
				<p>The buildings lie fully within the land required for the AP2 revised scheme but will not be physically impacted. Construction of the new Severn Trent Water water treatment facility will introduce visual impacts, affecting the historic setting of the structures.</p> <p>Construction activities including traffic movements will introduce temporary noise and visual impacts affecting the historic settings of the structure.</p>	Low	Temporary Moderate Adverse	operation of the AP2 revised scheme.		
STSo86	Heyfield Cottages	Listed building	Moderate	<p>The asset derives its significance from its historical and architectural value. The current setting of the asset contributes to its significance. The asset is outside the land required for the AP2 revised scheme and will not be physically impacted. Construction activities to widen sections of the road and increased traffic will temporarily impact the setting of the asset.</p>	Low	Temporary Minor Adverse	No impact upon significance.	No change	Neutral
STSo87	Water Meadow	Non-designated	Low	<p>The asset derives its significance from its evidential value. The current setting of the asset is not thought to contribute to its significance. The asset lies outside the land required for the AP2 revised scheme and will not be physically impacted.</p>	No change	Neutral	No impact upon significance.	No change	Neutral



## 3.4 Whitmore Heath to Madeley (CA4)

### Impact assessment

Table 7: Impact assessment for the Whitmore Heath to Madeley area (CA4)

Asset reference number	Name	Designation(s)	Value	Construction impact			Operation impact		
				Nature of impact including mitigation	Scale of impact	Effect	Nature of impact including mitigation	Scale of impact	Effect
WHM019	Whitmore Conservation Area	Conservation area	Moderate	The asset primarily derives its significance from a number of listed buildings, which illustrate the historical development of the settlement. Interrelationships between elements within the conservation area, as well as with the wider rural setting, also contribute to its significance. The instillation of utilities within the road will give rise to temporary impacts on the setting of the asset.	Medium	Temporary Moderate Adverse	No impact upon significance.	No change	Neutral
WHM029	Linear features between Station Road and River Lea	Non-designated	Low	The asset lies wholly within the land required for the AP2 revised scheme. Its significance is primarily derived from its evidential value and possible association with any contemporary settlement. The setting of the asset is not thought to substantially contribute to its significance.	Low	Permanent Moderate Adverse	The permanent construction effect remains and there will be no further impact from operation of the AP2 revised scheme.	No change	Neutral
WHM037	Madeley War Memorial	Listed building	Moderate	The statue derives its significance from its historical and evidential value. The asset is located outside the land required for the AP2 revised scheme and will not be physically impacted. Construction activities associated with the laying of the TBM cable route within the road close by will temporarily impact on the setting of the monument.	Low	Temporary Minor Adverse	No impact upon significance.	No change	Neutral

Asset reference number	Name	Designation(s)	Value	Construction impact			Operation impact		
				Nature of impact including mitigation	Scale of impact	Effect	Nature of impact including mitigation	Scale of impact	Effect
WHM039	Milepost at NGR SJ 7764 4523	Listed building	Moderate	The milepost derives its significance from its function and its historical association with the Madeley to Newcastle-under-Lyme road. Construction activities associated with the installation of the TBM power supply within the road where the milepost is situated will impact the setting of the asset.	Low	Temporary Minor Adverse	No impact upon significance.	No change	Neutral
WHM044	Town House	Listed building	Moderate	The asset lies approximately 20m outside of the land required for the AP2 revised scheme and will not be physically affected. The asset derives its significance from its architectural value and association with the development of Madeley. Construction works associated with the TBM power supply cable and the borrow pit west of Netherset Hey Farm will have visual intrusion affecting the setting of this asset.  The asset will also experience an additional temporary adverse impact change as a result of the cumulative effect of the construction of the Severn Trent Water water mains supply to the Madeley tunnel south portal building and the new permanent diversion of a Severn Trent Water mains supply at the A525 Bar Hill Road.	Medium  Medium	Temporary Moderate Adverse  Temporary Moderate Adverse Cumulative	No impact upon significance.	No change	Neutral
WHM045	Offley Almshouses and front boundary wall	Listed building	Moderate	The asset lies just outside of the land required for the AP2 revised scheme and will not be physically affected. The asset derives its significance from its architectural value and association with the development of Madeley. Construction works associated with	Medium	Temporary Moderate Adverse	No impact upon significance.	No change	Neutral

Asset reference number	Name	Designation(s)	Value	Construction impact			Operation impact		
				Nature of impact including mitigation	Scale of impact	Effect	Nature of impact including mitigation	Scale of impact	Effect
				<p>the TBM power supply cable and the borrow pit west of Netherset Hey Farm will affect the historic setting of the asset due to visual intrusion.</p> <p>The asset will also experience an additional temporary adverse impact change as a result of the cumulative effect of the construction of the Severn Trent Water water mains supply to the Madeley tunnel south portal building and the new permanent diversion of a Severn Trent Water mains supply at the A525 Bar Hill Road.</p>	Medium	Temporary Moderate Adverse Cumulative			
WHM056	Madeley Conservation Area	Conservation area, listed building	Moderate	<p>The asset primarily derives its significance from a number of listed buildings, which illustrate the historical development of the settlement. Interrelationships between elements within the conservation area, as well as with the wider rural setting, also contribute to its significance.</p> <p>Construction works for the TBM power supply cable and to the A525 Bar Hill Road at Madeley about the conservation area and will have setting effects on three Grade II listed buildings forming part of the conservation area. In addition, construction works for Whitmore Tunnel South Extension and the borrow pit west of Netherset Hey Farm will introduce temporary impacts to the historic setting of the conservation area.</p>	Medium	Temporary Moderate Adverse	No impact upon significance.	No change	Neutral

Asset reference number	Name	Designation(s)	Value	Construction impact			Operation impact		
				Nature of impact including mitigation	Scale of impact	Effect	Nature of impact including mitigation	Scale of impact	Effect
WHM057	Madeley Old Hall	Listed building	High	The listed building has considerable architectural and historical value but its current setting no longer substantially contributes to its significance. The setting of the building will suffer temporary impacts associated with construction works. Construction works for the TBM power supply cable and for the borrow pit west of Netherset Hey Farm will introduce visual and noise impacts affecting the historic setting of the structure.	Low	Temporary Moderate Adverse	No impact upon significance.	No change	Neutral
WHM058	Moor Hall, Madeley	Non-designated	Low	<p>The asset primarily derives its significance from its evidential value but aspects of its rural setting may also contribute. Moor Hall Farm, Madeley would experience temporary disruption of its historic landscape setting during earth moving for construction of the Madeley cutting and the entrance to the Madeley tunnel and through the construction of utilities through the centre of the asset.</p> <p>The historic and functional relationship of the farm with the surrounding farmland would be disturbed by the noise and movement impacts associated with this activity, which would adversely affect the setting of the asset.</p>	Low  Medium	Temporary Minor Adverse  Permanent Minor Adverse	The permanent construction effect remains and there will be no further impact from operation of the AP2 revised scheme.	No change	Neutral
WHM084	The Old Vicarage, Madeley	Locally Listed building	Moderate	The asset derives its significance from its function, its architecture and its proximity to Madeley Church of All Saints. There is a strong contribution to setting based on its association with Madeley Church of All Saints. There will be some minor noise and visual impacts associated	Low	Temporary Minor Adverse	No impact upon significance.	No change	Neutral

Asset reference number	Name	Designation(s)	Value	Construction impact			Operation impact		
				Nature of impact including mitigation	Scale of impact	Effect	Nature of impact including mitigation	Scale of impact	Effect
				with temporary construction works. Construction activities to install utilities will have a temporary impact on the setting of the asset.					
WHM108	Milepost at SK 7724 3878	Listed building	Moderate	The milepost derives its significance from its function and its historical association with the Burton upon Trent to Abbots Bromley turnpike road. The asset is located wholly within the land required for the AP2 revised scheme and will be completely removed.	High	Permanent Major Adverse	The permanent construction effect remains and there will be no further impact from operation of the AP2 revised scheme.	No change	Neutral

### 3.5 South Cheshire (CA5)

#### Impact assessment

Table 8: Impact assessment for the South Cheshire area (CA5)

Asset reference number	Name	Designation(s)	Value	Construction impact			Operation impact		
				Nature of impact including mitigation	Scale of impact	Effect	Nature of impact including mitigation	Scale of impact	Effect
SCH045	Basford Hall	Non-designated	Moderate	The asset is located partially within the land required for the AP2 revised scheme, and will be partially removed by construction works. These include the Basford cutting, a section of the western haul road from Casey Lane to the Basford cutting main compound, and associated infrastructure. The asset derives its significance from its archaeological/evidential value. Its current setting is not considered to contribute to the significance of the asset. These works will impact on the fabric of the asset, such that its	High	Permanent Major Adverse	The permanent construction effect remains and there will be no further impact from operation of the AP2 revised scheme.	No change	Neutral

Asset reference number	Name	Designation(s)	Value	Construction impact			Operation impact		
				Nature of impact including mitigation	Scale of impact	Effect	Nature of impact including mitigation	Scale of impact	Effect
				archaeological and historic value will be impacted.					

## 4 References

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