

Appendix A15.4: Cultural Heritage Impact, Mitigation and Residual Impact Tables

1.1.1 Tables 1 and 2 below, identify significant and non-significant impacts during construction and operation on cultural heritage assets identified within the study area through the desk-based survey, walkover survey and targeted geophysical survey. They summarise the measures to mitigate these impacts and provide an assessment of residual impacts. Cultural heritage assets are listed sequentially by number. Those impacts of **Moderate** significance and above are considered to be significant in the context of the EIA regulations.

Table 1: Construction phase impacts, mitigation and residual impacts for cultural heritage assets within the study area.

Asset no.	Asset Name	Designation	Value	Duration	Direct/ Indirect	Adverse/ Beneficial	Impact	Impact Magnitude	Impact Significance	Mitigation	Residual magnitude of impact	Residual significance of effect
Archaeological Remains												
331	Old Faskally Cairn	None	Medium	Permanent	Direct	Adverse	Widening of the mainline between ch1350 and ch1400 would remove archaeological remains associated with this cairn.	Moderate	Moderate	A Level 3 landscape survey record including preparation of a report on the results of the landscape survey and preparation and submission of an ordered archive. A level 3 record provides an enhanced and integrated, multi-disciplinary record. It will comprise an account of the site and its landscape setting accompanied by a full range of measured and annotated drawings as well as photographs and reconstruction/phas ed diagrams and an accurate measured survey	Negligible	Neutral

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Asset no.	Asset Name	Designation	Value	Duration	Direct/ Indirect	Adverse/ Beneficial	Impact	Impact Magnitude	Impact Significance	Mitigation	Residual magnitude of impact	Residual significance of effect
										plan alongside three-dimensional data. (English Heritage, 2007) (Mitigation Item P05-CH2) . Archaeological trial trenching (Mitigation Item P05-CH3) . Archaeological excavation (Mitigation Item P05-CH4) , including a programme of post-excavation assessment, analysis and publication and dissemination commensurate with the significance of the results, and preparation and submission of an ordered archive.		
357	Balchroic Plantation Building (Site of)	None	Low	Temporary	Direct	Adverse	Widening of the mainline between ch2800 and ch3300 would introduce a temporary source of visual intrusion associated with the movement of plant, construction infrastructure and works.	Minor	Slight	None proposed	Minor	Slight
378	Luragbeath Quarry (Site of)	None	Negligible	Permanent	Direct	Adverse	Construction of the Garrybank underpass and steps between ch6500 and ch6600 would result in the	Negligible	Neutral	None proposed	Negligible	Neutral

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							removal of archaeological remains associated with this asset.					
379	Luragbeath Lime Kiln (Site of) (1)	None	Negligible	Permanent	Direct	Adverse	Construction of the Garrybank underpass and steps between ch6500 and ch6550 would result in the removal of archaeological remains associated with this asset present within the proposed scheme footprint.	Minor	Slight	Archaeological trial trenching (Mitigation Item P05-CH3). Archaeological excavation (Mitigation Item P05-CH4), including a programme of post-excavation assessment, analysis and publication and dissemination commensurate with the significance of the results, and preparation and submission of an ordered archive.	Negligible	Neutral
422	Invervack, Balmore Farmstead and Lime Kiln (Site of)	None	Low	Temporary	Direct	Adverse	While the access road to Invervack would be constructed across the southern extent of this asset as defined by the HER, the site inspection confirmed there would be no impact on the remains of structures identified which are located c.100m north of the Invervack/Tomban access road.	Negligible	Neutral	None proposed	Negligible	Neutral
442	Calvine,	None	Low	Permanent	Direct	Adverse	Construction of	Moderate	Slight	Archaeological	Negligible	Neutral

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	Calvine Camp, Camp no. 66						Bruar/Calvine Junction between ch11850 and ch12150 would result in the removal of archaeological remains associated with this asset present within the proposed scheme footprint.			trial trenching (Mitigation Item P05-CH3) . Strip, map and sample, including assessment, analysis and publication and dissemination commensurate with the significance of the results, and preparation and submission of an ordered archive (Mitigation Item P05-CH5) .		
446	Clach Na H'Iobairt Standing Stone 300m E of Pitagowan	Scheduled Monument	High	Temporary	Direct	Adverse	While construction works for Bruar/Calvine Junction would result in temporary noise and visual impacts on the setting of the standing stone, the current setting of the stone (on a graded bank adjacent to the B847 and close to the existing A9) does not contribute significantly to this asset's value.	Negligible	Slight	Protection measures in place during construction. (Mitigation Item P05-CH11) .	Negligible	Slight
456	Dunkeld to Inverness Military Road (Site of)	None	Medium	Permanent	Direct	Adverse	Widening of the mainline between ch17350 and ch17700 would result in the removal of archaeological remains associated with this asset present within the proposed scheme footprint, identified to comprise a metalled track between ch17350	Minor	Slight	Archaeological recording during construction ('watching brief') (Mitigation Item P05-CH6) .	Negligible	Neutral

Asset no.	Asset Name	Designation	Value	Duration	Direct/ Indirect	Adverse/ Beneficial	Impact	Impact Magnitude	Impact Significance	Mitigation	Residual magnitude of impact	Residual significance of effect
							and ch17500 and a linear break in the woodland between ch17600 and ch17800.					
466	Clunes Lodge/Cluns, Township (Site of)	None	Low	Permanent	Direct	Adverse	Construction of the Clunes Underpass and cutting between ch15850 and ch16210 would remove any archaeological remains associated with the asset present within the proposed scheme footprint; however, it would not affect the two areas of above ground remains. Temporary visual intrusion from construction works would temporarily impact the isolated upland setting of the asset.	Minor	Slight	Archaeological recording during construction ('watching brief') (Mitigation Item P05-CH6) .	Negligible	Neutral
468	Clunes Lodge Township (Site of)	None	Low	Temporary	Direct	Adverse	Construction of the mainline on embankment between ch16500 and ch17000 would remove any archaeological remains associated with the asset present within the proposed scheme footprint. Temporary visual intrusion from construction works would impact the isolated upland setting of the township.	Minor	Slight	Archaeological recording during construction ('watching brief') (Mitigation Item P05-CH6) .	Negligible	Neutral
472	Crom Bhruthach Farmstead (Site of)	None	Low	Permanent	Direct	Adverse	Widening of the mainline between ch17700 and ch18250 would result in the potential removal of archaeological remains	Minor	Slight	Archaeological trial trenching (Mitigation Item P05-CH3) . Strip, map and	Negligible	Neutral

Asset no.	Asset Name	Designation	Value	Duration	Direct/ Indirect	Adverse/ Beneficial	Impact	Impact Magnitude	Impact Significance	Mitigation	Residual magnitude of impact	Residual significance of effect
							associated with this asset present within the proposed scheme footprint.			sample, including assessment, analysis, publication and dissemination commensurate with the significance of the results, and preparation and submission of an ordered archive (Mitigation Item P05-CH5).		
480	Dalnamein Lodge Shielings (Site of)	None	Low	Permanent	Direct	Adverse	Construction of the SuDS feature between ch19760 and ch19900 would result in the partial removal of one building and a linear feature identified by geophysical survey. Remains of further buildings located to the south would not be impacted.	Moderate	Slight	A Level 3 landscape survey record including preparation of a report on the results of the landscape survey and preparation and submission of an ordered archive. A level 3 record provides an enhanced and integrated, multi-disciplinary record. It will comprise an account of the site and its landscape setting accompanied by a full range of measured and annotated drawings as well as photographs and reconstruction/phas ed diagrams and an accurate measured survey	Negligible	Neutral

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										plan alongside three-dimensional data. (English Heritage, 2007) (Mitigation Item P05-CH2) . Archaeological trial trenching (Mitigation Item P05-CH3) . Archaeological excavation (Mitigation Item P05-CH4) , including a programme of post-excavation assessment, analysis and publication and dissemination commensurate with the significance of the results, and preparation and submission of an ordered archive.		
507	Sithean Cairn	Scheduled Monument	High	Temporary	Direct	Adverse	Construction of the mainline and Aldclune Junction would introduce a temporary source of visual intrusion into views from the cairn to the south. Views of the construction works would be seen in the context of the existing A9 and would not diminish its value or prominence in the landscape.	Negligible	Slight	None proposed	Negligible	Slight
571	Allt Nan	None	Low	Permanent	Direct	Adverse	Construction of the	Minor	Slight	Archaeological	Negligible	Neutral

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	Guinneag Township (Site of)						mainline on embankment between ch16900 and ch17100 would remove any archaeological remains associated with the asset present within the proposed scheme footprint; however, it would not affect the remains of the buildings identified by the walkover survey. Temporary visual intrusion from construction works would impact the isolated upland setting of the asset.			recording during construction ('watching brief') (Mitigation Item P05-CH6) .		
595	Tom an Tigh Mhoir Motte W of Struan Church	Scheduled Monument	High	Temporary	Direct	Adverse	Construction of the mainline on embankment and associated infrastructure between ch12000 and ch15000 would introduce a new temporary source of visual intrusion into the setting of the asset.	Minor	Slight	None proposed	Minor	Slight
768	Old Faskally Possible Structures	None	Low	Permanent	Direct	Adverse	Construction of the mainline on embankment between ch1290 and ch1410 would remove over half of this asset.	Moderate	Slight	Archaeological trial trenching (Mitigation Item P05-CH3) . Strip, map and sample, including assessment, analysis, publication and dissemination commensurate with the significance of the results, and preparation and	Negligible	Neutral

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										submission of an ordered archive (Mitigation Item P05-CH5).		
769	Old Faskally Possible Structures 1	None	Low	Permanent	Direct	Adverse	Construction of the SuDS feature between ch1320 and ch1420 would remove this asset.	Major	Moderate	Archaeological trial trenching (Mitigation Item P05-CH3). Strip, map and sample, including assessment, analysis, publication and dissemination commensurate with the significance of the results, and preparation and submission of an ordered archive (Mitigation Item P05-CH5).	Negligible	Neutral
770	Balchroic Field Boundaries and Pits	None	High	Permanent	Direct	Adverse	Construction of the mainline, SuDS feature and associated access track between ch2810 and ch3350 would partially remove this asset including features identified in the geophysical survey as pit-like anomalies at ch2900 and ch3200, and a curvilinear anomaly near ch3230.	Moderate	Large	Archaeological metal detecting survey in conjunction with P05-CH3 (Mitigation Item P05-CH10) Archaeological trial trenching (Mitigation Item P05-CH3). Archaeological excavation, including assessment, analysis, publication and dissemination commensurate with the	Negligible	Neutral

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										significance of the results, and preparation and submission of an ordered archive (Mitigation Item P05-CH4)		
771	Aldclune Possible Structures and Enclosures	None	Low	Permanent	Direct	Adverse	Construction of the mainline, SuDS feature and associated access track between ch2800 and ch3310 would remove archaeological remains of this asset present within the proposed scheme footprint.	Major	Moderate	Archaeological trial trenching (Mitigation Item P05-CH3) . Archaeological excavation, including assessment, analysis, publication and dissemination commensurate with the significance of the results, and preparation and submission of an ordered archive (Mitigation Item P05-CH4)	Negligible	Neutral
772	Clunebeg Possible Trackway, Structures and Enclosures	None	Low	Permanent	Direct	Adverse	Construction of the Aldclune Junction would remove this asset.	Major	Moderate	Archaeological trial trenching (Mitigation Item P05-CH3) . Archaeological excavation, including assessment, analysis, publication and dissemination commensurate with the significance of the	Negligible	Neutral

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										results, and preparation and submission of an ordered archive (Mitigation Item P05-CH4)		
773	Dalreoch Possible Structures and Enclosures	None	Low	Permanent	Direct	Adverse	Construction of the SuDS feature between ch19510 and ch19650 would remove this asset.	Major	Moderate	Archaeological trial trenching (Mitigation Item P05-CH3) . Archaeological excavation, including assessment, analysis, publication and dissemination commensurate with the significance of the results, and preparation and submission of an ordered archive (Mitigation Item P05-CH4)	Negligible	Neutral
Historic Buildings												
341	Urrard House, including walled garden with ancillary building and gate	Category B Listed Building	Medium	Temporary	Direct	Adverse	Construction works for the mainline would be located to the north of the walled garden (Asset 343) associated with Urrard House, and would be screened from the house by mature tree planting within the walled garden and to its northwest. The relationship of Urrard House to key elements of its setting such as	Negligible	Slight	None proposed	Negligible	Slight

Asset no.	Asset Name	Designation	Value	Duration	Direct/ Indirect	Adverse/ Beneficial	Impact	Impact Magnitude	Impact Significance	Mitigation	Residual magnitude of impact	Residual significance of effect
							the Walled Garden and surrounding gardens, as well as Urrard Steading (Asset 342) would be maintained.					
342	Urrard Steading Farmstead Conversion	None	Medium	Temporary	Direct	Adverse	Construction works for the embanked Killiecrankie local path diversion and mainline between ch2500 and ch2600 would be visible to the northwest of Urrard Steading, forming an intrusive feature in the asset's setting and resulting in temporary visual intrusion. This would not affect the ability to understand the relationship between the steading and Urrard House (Asset 341).	Minor	Slight	None proposed	Minor	Slight
343	Urrard House Walled Garden and Bothies	None	Medium	Temporary	Direct	Adverse	The embanked Killiecrankie local path diversion and mainline between ch2500 and ch2400 would be constructed directly to the north of the walled garden, resulting in temporary visual impacts. However, views of the construction zone would be substantially screened from the interior by tree planting and the boundary wall, and the key attribute of the asset's setting, its relationship to Urrard House (Asset 341), would not be affected.	Minor	Slight	Protection of structure during construction (Mitigation Item P05-CH11) .	Minor	Slight

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							There is the potential for accidental damage to the structure due to its proximity to construction works.					
347	Orchilmore Farm Cottage	Category B Listed Building	Medium	Temporary	Direct	Adverse	Widening of the mainline between ch1550 and ch2200 would introduce a temporary visual intrusion in views from the asset to the south. However, this would be seen in the context of the existing A9 and would not detract from our understanding of the Improvement Era building.	Negligible	Slight	None proposed	Negligible	Slight
361	Shierglas Steading	Category C Listed Building	Low	Temporary	Direct	Adverse	Construction works for the proposed scheme would be located approximately 80m to the north of the building and would be clearly visible from it. However, Shierglas Steading is in very poor condition and its setting is dominated by the presence of a working quarry, reducing the contribution of setting to its value. The value of the steading derives principally from its fabric and designation, and will not be materially affected by construction.	Negligible	Neutral	None proposed	Negligible	Neutral
365	Shierglas Farmhouse	Category B Listed Building	Medium	Permanent	Direct	Adverse	Due to its proximity to the proposed scheme, there is potential during construction for	Major	Large	Measures will be implemented to safeguard the structural integrity	Negligible	Neutral

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							accidental damage to this historic building.			of the farmhouse (Mitigation Item P05-CH7) . Undertake a dilapidation survey including record photographs. Installation of vibration monitors to ensure works remain below an appropriate threshold. If safe to do so, installation of survey retro reflective targets and monitoring for potential movement. Halting of works during blasting operations at the adjacent quarry and potentially reducing the speed limit of construction vehicles in the vicinity of the Farmhouse during construction. (Mitigation Item P05-CH8)		
369	Essangal, Lime Kiln	Category B Listed Building	Medium	Temporary	Direct	Adverse	Construction of the proposed scheme would impact on the setting of Essangal Lime Kiln (Asset 369; Category B Listed Building) due to the excavation of a cutting directly to the east of the structure. While the	Minor	Slight	Photographic record of the lime kiln to document its existing setting prior to construction commencing including preparation of a report on the	Negligible	Neutral

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							lime kiln currently has a roadside location, construction activities would temporarily dominate its setting. In addition, accidental damage could result from construction activities.			results of the survey and preparation and submission of an ordered archive (Mitigation Item P05-CH12) Protection during construction. (Mitigation Item P05-CH11)		
371	Glackmore Farmstead	None	Low	Temporary	Direct	Adverse	Construction of a cutting directly in front of the farmstead would result in temporary noise and visual intrusion from the presence of construction works and the movement of construction vehicles.	Moderate	Slight	None proposed	Moderate	Slight
380	Blair Atholl 15 Garryside House	Category B Listed Building	Medium	Temporary	Direct	Adverse	Construction of the proposed scheme would result in the removal of woodland from the construction of Garrybank underpass and steps into the hillslope to the south of the A9. Views of these works would be possible from the asset (although filtered by vegetation) and would form a temporary intrusive element in the setting of the asset.	Minor	Slight	None proposed	Minor	Slight
381	Blair Atholl 14 Garryside House	Category B Listed Building	Medium	Temporary	Direct	Adverse	Construction of the proposed scheme would result in the removal of woodland, from the construction of Garrybank underpass and steps into the	Minor	Slight	None proposed	Minor	Slight

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							hillslope to the south of the A9. Views of these works would be possible from the asset (although filtered by vegetation) and would form a temporary intrusive element in the setting of the asset.					
383	Blair Atholl 13 Garryside House	Category B Listed Building	Medium	Temporary	Direct	Adverse	Construction of the proposed scheme would result in the removal of woodland, from the construction of Garrybank underpass and steps into the hillslope to the south of the A9. Views of these works would be possible from the asset (although filtered by vegetation) and would form a temporary intrusive element in the setting of the asset.	Minor	Slight	None proposed	Minor	Slight
384	Blair Atholl 12 Garryside House	Category B Listed Building	Medium	Temporary	Direct	Adverse	Construction of the proposed scheme would result in the removal of woodland, from the construction of Garrybank underpass and steps into the hillslope to the south of the A9. Views of these works would be possible from the asset (although filtered by vegetation) and would form a temporary intrusive element in the setting of the asset.	Minor	Slight	None proposed	Minor	Slight
385	Blair Atholl 11 Garryside	Category B Listed	Medium	Temporary	Direct	Adverse	Construction of the proposed scheme would result in the	Minor	Slight	None proposed	Minor	Slight

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	House	Building					removal of woodland, from the construction of Garrybank underpass and steps into the hillslope to the south of the A9. Views of these works would be possible from the asset (although filtered by vegetation) and would form a temporary intrusive element in the setting of the asset.					
386	Blair Atholl 10 Garryside House	Category B Listed Building	Medium	Temporary	Direct	Adverse	Construction of the proposed scheme would result in the removal of woodland, from the construction of Garrybank underpass and steps into the hillslope to the south of the A9. Views of these works would be possible from the asset (although filtered by vegetation) and would form a temporary intrusive element in the setting of the asset.	Minor	Slight	None proposed	Minor	Slight
397	Invervack Farmstead and Possible Mill	None	Low	Temporary	Direct	Adverse	Construction works for the widening of the mainline between ch9300 and ch10300 would be located approximately 450m to north of the asset and would be visible from the principal elevation of the farmhouse, however these would be seen in the context of the existing A9 and would not detract from understanding of the	Negligible	Neutral	None proposed	Negligible	Neutral

Asset no.	Asset Name	Designation	Value	Duration	Direct/ Indirect	Adverse/ Beneficial	Impact	Impact Magnitude	Impact Significance	Mitigation	Residual magnitude of impact	Residual significance of effect
							asset or its rural setting.					
402	Blair Atholl Conservation Area	Conservation Area	Medium	Temporary	Direct	Adverse	The construction of Garrybank underpass and steps and the access road to Glackmore would be visible from the B8079 within Blair Atholl Conservation Area. The removal of trees along the existing A9 for construction would also open up views of traffic during the construction phase.	Minor	Slight	None proposed	Minor	Slight
415	Tomban Farmstead	None	Low	Temporary	Direct	Adverse	Temporary noise and visual intrusion on setting during construction of new access track from Invervack.	Negligible	Neutral	None proposed	Negligible	Neutral
434	Pitaldonich Farmhouse	None	Low	Temporary	Direct	Adverse	The construction of the new mainline and river crossing would result in temporary visual intrusion on the setting of Pitaldonich Farmhouse.	Negligible	Neutral	None proposed	Negligible	Neutral
435	Pitaldonich Farmstead	None	Low	Temporary	Direct	Adverse	The construction of the mainline and river crossing would result in temporary visual intrusion on the setting of Pitaldonich Farmstead.	Negligible	Neutral	None proposed	Negligible	Neutral
443	Pitaldonich Bridge	None	Negligible	Temporary	Direct	Adverse	Construction of a new bridge to the south of the current bridge would result in changes to its setting. This is a functional structure of no architectural or	Negligible	Neutral	None proposed	Negligible	Neutral

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461	Chrombaidh Bridge	None	Low	Temporary	Direct	Adverse	<p>historic interest.</p> <p>A new bridge with retaining wall would be constructed directly to the north of the historic structure at ch15100. The setting of the asset would be dominated during the construction phase by construction activities.</p> <p>Due to its proximity to construction works there is potential for accidental damage to the structure.</p>	Major	Slight	<p>Photographic record of the bridge to document its existing setting prior to construction commencing including preparation of a report on the results of the survey and preparation and submission of an ordered archive (Mitigation Item P05-CH12)</p> <p>Protection during construction. (Mitigation Item P05-CH11)</p>	Negligible	Neutral
465	Clunes Lodge	Category B Listed Building	Medium	Temporary	Direct	Adverse	<p>Land-take from the grounds of Clunes Lodge would be required for widening of the existing A9 cutting and the construction of Clunes underpass, however these areas are located at the periphery of the grounds, and would not result in the loss of any historic features or designed elements, and would not be visible from the Listed Building. The isolated upland setting of lodge would continue to be tangible, as would its relationship to</p>	Negligible	Neutral	None proposed	Negligible	Neutral

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							associated outbuildings and cottage.					
470	Bruthach Bridge	None	Low	Permanent	Direct	Adverse	Construction of a SuDS and associated access track between ch18200 and ch18300 would result in temporary noise and visual intrusion on the setting of the asset. This would not detract from an appreciation of the isolated upland location of the bridge or its function in carrying the historic route of the A9.	Negligible	Neutral	None proposed	Negligible	Neutral
479	Dalnamein Lodge	None	Low	Temporary	Direct	Adverse	Temporary noise and visual intrusion on the setting of this asset would result from construction works with the widening of the mainline between ch19800 and ch20100 and construction of a SuDS to the east. The existing A9 to the north currently forms an intrusive element in the setting of the complex and this area makes little contribution to its value. There would be no physical impact on the grounds of the Lodge, its relationship with the associated outbuilding and cottage, and views from the principal elevation would be maintained to the south.	Minor	Slight	None proposed	Minor	Slight
481	Dalnamein	Category B Listed	Medium	Temporary	Direct	Adverse	Temporary visual intrusion on setting	Negligible	Slight	Protection of	Negligible	Slight

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	New Bridge	Building					would result from the widening of the existing A9 bridge and the construction of a new local access bridge to its south. Construction works would be located c.14m from the asset, and would intrude on views of the bridge. This would not, however, diminish the technological interest of the bridge as an early example of an early reinforced concrete structure.			structure during construction (Mitigation Item P05-CH11) Photographic record of the bridge to document its existing setting prior to construction commencing including preparation of a report on the results of the survey and preparation and submission of an ordered archive (Mitigation Item P05-CH12)		
482	Dalnamein Lodge/Allt Anndeir A9 Road Bridge	None	Negligible	Temporary	Direct	Adverse	Construction of the proposed scheme would result in widening of the existing bridge to accommodate the proposed mainline and access track. The bridge is of no architectural or historic interest.	Negligible	Neutral	None proposed	Negligible	Neutral
484	Old Bridge over Allt Andeir	Category C Listed Building	Low	Temporary	Direct	Adverse	The presence of construction works for the mainline, Dalnamein underpass and access road and a new bridge to north of the existing mainline, would form an intrusive element in the setting of the bridge and views to and from it; however,	Minor	Slight	Protection of structure during construction (Mitigation Item P05-CH11) Photographic record of the bridge to document its existing setting	Minor	Slight

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Asset no.	Asset Name	Designation	Value	Duration	Direct/ Indirect	Adverse/ Beneficial	Impact	Impact Magnitude	Impact Significance	Mitigation	Residual magnitude of impact	Residual significance of effect
							this is currently seen in the context of the existing A9 and would not affect the understanding of the relationship between the bridge and Wade's Military Road.			prior to construction commencing including preparation of a report on the results of the survey and preparation and submission of an ordered archive (Mitigation Item P05-CH12) .		
492	Geallaidh Bridge	Category C Listed Building	Low	Temporary	Direct	Adverse	Temporary intrusion on setting due to widening of the A9 towards the bridge. The value of this asset derives principally from its role as a crossing point carrying the old A9 over a burn and its possible association with Owen Williams. This value would not be affected by the proposed works.	Negligible	Neutral	Protection of structure during construction (Mitigation Item P05-CH11)	Negligible	Neutral
572	Dalreoch Farmstead	None	Low	Temporary	Direct	Adverse	Widening of the mainline to the north c.60m from Dalreoch Farmstead (ch19200) would result in temporary noise and visual intrusion on the building; however, its setting within a small enclosure and its relationship to the old A9 and the rural landscape to south, key aspects of setting which contribute to its value would not be affected.	Minor	Slight	None proposed	Minor	Slight
580	Clunebeg	None	Low	Temporary	Direct	Adverse	Construction would result in the creation of	Negligible	Neutral	None proposed	Negligible	Neutral

Asset no.	Asset Name	Designation	Value	Duration	Direct/ Indirect	Adverse/ Beneficial	Impact	Impact Magnitude	Impact Significance	Mitigation	Residual magnitude of impact	Residual significance of effect
	Farmstead						a large cutting approximately 170m to the southwest of Clunebeg, resulting in temporary visual intrusion from the construction works. The asset is understood to be an upland farmstead of 19 th century date and its relationship to the surrounding landscape would not be affected.					
581	Essangal Farmstead	None	Low	Temporary	Direct	Adverse	Temporary visual intrusion would result from construction works associated with the new Essangal Underbridge; however, setting does not contribute to the value of the asset.	Negligible	Neutral	None proposed	Negligible	Neutral
582	Garryside Cottage	None	Low	Temporary	Direct	Adverse	Construction works located to south, east and west of cottage, including the construction of a large cutting for the mainline, and cuttings and embankments for Garrybank underpass and steps would result in temporary intrusion on the asset's setting. Views from the principal elevation towards Blair Atholl to the north would be maintained, as would our understanding of it as a late 19 th century residential building.	Minor	Slight	None proposed	Minor	Slight
584	Tomchitchen	None	Low	Temporary	Direct	Adverse	Construction works for the mainline (ch13200	Minor	Neutral	None proposed	Minor	Neutral

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	Cottage						to ch13400) and Tomchitchen access track located to the north and south respectively would result in temporary noise and visual intrusion.					
585	Calvine Village	None	Low	Temporary	Direct	Adverse	Construction works for the mainline between ch13300 and ch13550 would reinforce the severance of the village from the landscape to the north by the existing A9 and would introduce a new element of infrastructure in the setting of this asset.	Minor	Slight	None proposed	Minor	Slight
588	Tigh-na-Coille Cottage	None	Negligible	Temporary	Direct	Adverse	Temporary intrusion on the setting of the cottage would result from the construction of a new embanked mainline approximately 25m to its north (ch20600) and Dalnamein underpass approximately 87m to its east (ch20500). The construction works would further detract from appreciation of this building as an isolated roadside cottage.	Minor	Neutral	None proposed	Minor	Neutral
589	Saidhe School	None	Negligible	Temporary	Direct	Adverse	Construction works associated with the widening of the mainline to the north (ch2200 – 22100) and the construction of	Minor	Neutral	None proposed	Minor	Neutral

Asset no.	Asset Name	Designation	Value	Duration	Direct/ Indirect	Adverse/ Beneficial	Impact	Impact Magnitude	Impact Significance	Mitigation	Residual magnitude of impact	Residual significance of effect
							SuDS to the east would result in temporary visual intrusion and increase the prominence of highways infrastructure within the asset's setting.					
Historic Landscapes												
HLT1	17 th – 19 th Century Rectilinear Fields and Farms		Low	Permanent	Direct	Adverse	Construction of the proposed scheme would result in land-take from this HLT between ch4400 and ch4700, ch5100 and ch6200, ch8600 and ch10200, ch10700 and ch13550 and ch19900 and ch21520. The land-take in these areas comprises widening of the existing A9 corridor which would not reduce legibility of the HLT. However, more substantial land-take would result from construction of the Bruar/Calvine Junction and Clunes Lodge Overbridge, resulting in the removal of field boundaries and alteration of landscape character and legibility within the footprint of the proposed scheme in these areas. The legibility of this historic landscape type across the study area and wider landscape would, however, be maintained.	Minor	Slight	None proposed	Minor	Slight

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Asset no.	Asset Name	Designation	Value	Duration	Direct/ Indirect	Adverse/ Beneficial	Impact	Impact Magnitude	Impact Significance	Mitigation	Residual magnitude of impact	Residual significance of effect
HLT2	Managed Woodland	None	Low	Permanent	Direct	Adverse	Widening of the mainline and construction of the Aldclune Junction and Clunes underpass would result in the removal of small areas from this HLT at ch1500, ch10400 to ch10900, ch15300 to ch15600, ch16200 to ch16400 and ch16800. While this would result in some limited change to the historic landscape type, its legibility along the A9 and its environs would be maintained.	Negligible	Neutral	None proposed	Negligible	Neutral
HLT3	19 th Century to Present Coniferous Plantation	None	Negligible	Permanent	Direct	Adverse	Construction of the proposed scheme could result in the removal of small areas from this HLT between ch13200 and ch13300, and between ch18900 and ch19300	Negligible	Neutral	None proposed	Negligible	Neutral
HLT8	Gardens and Designed Landscapes – retaining core elements	None	Medium	Permanent	Direct	Adverse	Construction of the proposed scheme would result in widening of the existing cutting between ch15870 and ch16150 within this HLT, as would the construction of an embanked access road at ch16200. While resulting in limited land-take from this HLT, no historic features relating to the designed landscape are located within these areas.	Minor	Slight	A Level 2 landscape survey record (English Heritage, 2007) (Mitigation Item P05-CH9) , including preparation of a report on the results of the landscape survey and preparation and submission of an ordered archive. A level 2 record provides a basic descriptive	Negligible	Neutral

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Asset no.	Asset Name	Designation	Value	Duration	Direct/ Indirect	Adverse/ Beneficial	Impact	Impact Magnitude	Impact Significance	Mitigation	Residual magnitude of impact	Residual significance of effect
										and interpretive record. It is both metrically accurate and analytical and will include the core monument record, a written account, survey drawings and ground photography.		
HLT10	Rough Grazing	None	Low	Permanent	Direct	Adverse	Landtake from this HLT would result from widening of the existing mainline at the following locations: ch10200 to ch10400, ch13550 to ch14800, ch15700 to ch15900, and ch20900 to ch21300. As these areas are adjacent to the existing highway, this would not affect the understanding of historic landscape character in these areas.	Minor	Slight	None proposed	Minor	Slight
HLT12	19 th Century to Present Quarry	None	Negligible	Permanent	Direct	Adverse	Construction of Shierglas access track at ch5100 would result in a small area of landtake from this HLT; however, its legibility as a quarry would be maintained.	Negligible	Neutral	None proposed	Negligible	Neutral
HLT15	Transport	None	Negligible	Permanent	Direct	Adverse	Construction of the proposed scheme would result in alteration to the road layout within this HLT; however, its legibility as a modern road would	Negligible	Neutral	None proposed	Negligible	Neutral

Asset no.	Asset Name	Designation	Value	Duration	Direct/ Indirect	Adverse/ Beneficial	Impact	Impact Magnitude	Impact Significance	Mitigation	Residual magnitude of impact	Residual significance of effect
							be maintained.					
HLT21	Blair Castle Gardens and Designed Landscape	Included on the Inventory of Gardens and Designed Landscapes	High	Permanent	Direct	Adverse	Construction of the proposed scheme would result in land-take from the designed landscape due to widening of the existing A9 in cutting between ch6200 and ch8550, construction of Garrybank underpass and steps and SuDS and associated access track to the north of the existing A9 between ch6200 and ch7300. This would remove some areas of woodland shown on the 1 st edition 25" Ordnance Survey map (1867) between the A9 and the River Garry. Widening of the mainline cutting to the south of the existing A9 would not result in the loss of any historic features, and would not affect the legibility of the surviving 18 th century layout of Tulloch Park.	Minor	Slight	A Level 2 landscape survey record (English Heritage, 2007) (Mitigation Item P05-CH9) , including preparation of a report on the results of the landscape survey and preparation and submission of an ordered archive. A level 2 record provides a basic descriptive and interpretive record. It is both metrically accurate and analytical and will include the core monument record, a written account, survey drawings and ground photography.	Minor	Neutral
HLT22	Falls of Bruar Garden and Designed Landscape	Garden and Designed Landscape	High	None	None	None	No impacts during construction on the Falls if Bruar have been identified	None	None	None	None	None
HLT23	Killiecrankie Battlefield	Registered Battlefield	High	Permanent	Direct	Adverse	Construction of the proposed scheme would remove any buried archaeological remains relating to the battle that are present within the proposed	Moderate	Moderate	Archaeological trial trenching within areas of known archaeological potential identified by metal detecting	Moderate	Slight

Asset no.	Asset Name	Designation	Value	Duration	Direct/ Indirect	Adverse/ Beneficial	Impact	Impact Magnitude	Impact Significance	Mitigation	Residual magnitude of impact	Residual significance of effect
							<p>scheme footprint. Construction would alter the local topography within the proposed scheme footprint due to the construction of elements such as SuDS features, the cutting from ch2600 to ch3100, and the cutting for Aldclune junction.</p>			<p>and geophysical survey (Mitigation Item P05-CH3).</p> <p>An archaeological metal detecting survey including preparation of a report on the results of the survey and preparation and submission of an ordered archive (Mitigation Item P05-CH10).</p> <p>Archaeological excavation (Mitigation Item P05-CH4), including a programme of post-excavation assessment, analysis and publication and dissemination commensurate with the significance of the results, and preparation and submission of an ordered archive.</p> <p>A Level 2 landscape survey record (English Heritage, 2007) (Mitigation Item P05-CH9), including preparation of a report on the results of the landscape survey</p>		

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										and preparation and submission of an ordered archive. A level 2 record provides a basic descriptive and interpretive record. It is both metrically accurate and analytical and will include the core monument record, a written account, survey drawings and ground photography.		

Table 2: Operation phase potential impacts, mitigation and residual impacts for Cultural Heritage Assets

Asset no.	Asset Name	Designation	Value	Permanent / Temporary	Direct / Indirect	Adverse / Beneficial	Impact	Impact Magnitude	Impact Significance	Mitigation	Residual magnitude of impact	Residual significance of effect
Archaeological Remains												
446	Clach Na H'Iobairt, Standing Stone 300m E of Pitagowan	Scheduled Monument	High	Permanent	Direct	Adverse	Clach na H'Iobairt Standing Stone (Asset 446; a Scheduled Monument) is dominated by roads, including the B847 to the north, B8079 to the east, and the existing A9 to the south. Its noise environment is characterised by road noise. Views to the north are characterised by the House of Bruar, a large retail outlet with extensive car parking, while the views to the south consist of a landscaped sand and gravel pit, Glen Garry and Tummel Forest. Views eastwards and westwards along Glen Garry are dominated by the existing A9. There is no visible relationship with other archaeological remains in the immediate or wider landscape. The setting of this asset does not make a significant contribution	Minor	Slight	None proposed	Minor	Slight

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							to our ability to understand and appreciate it, which derives from its physical remains.					
507	Sithean Cairn	Scheduled Monument	High	Permanent	Direct	Adverse	The mainline, Aldclune Junction and Essangal Underbridge would be visible in views from the cairn to the south; however, these views would be seen in the context of the existing A9 and would not diminish its value or prominence in the landscape.	Negligible	Slight	None proposed	Negligible	Slight
Historic Buildings												
341	Urrard House, including walled garden with ancillary buildings and gate	Category B Listed Building	Medium	Permanent	Direct	Adverse	The proposed scheme is approximately 25m closer to the asset than the existing A9, however, it would be screened from the house by intervening woodland, and would not be prominent within the building's setting. The relationship of the house, grounds, walled garden and ancillary buildings (Assets 342 and 343) which are key attributes of the building's setting,	Minor	Slight	None proposed	Minor	Slight

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							would not be affected.					
342	Urrard Steading Farmstead Conversion	None	Medium	Permanent	Direct	Adverse	Views of the Killiecrankie local path diversion, proposed mainline and moving traffic would be possible from the north elevation of the steading increasing the prominence of highways infrastructure within its setting. However, this would not affect key relationships with Urrard House and associated heritage assets which contribute to its value.	Minor	Slight	None proposed	Minor	Slight
343	Urrard House Walled Garden and Bothies	None	Medium	Permanent	Direct	Adverse	The proposed scheme would be located directly to the north of the Walled Garden, increasing the prominence of highways infrastructure within the asset's setting. Views of the proposed scheme from within the garden would be screened by existing woodland and the garden walls. There would be no impact on the relationship of the walled garden with	Minor	Slight	None proposed	Minor	Slight

Asset no.	Asset Name	Designation	Value	Permanent / Temporary	Direct / Indirect	Adverse / Beneficial	Impact	Impact Magnitude	Impact Significance	Mitigation	Residual magnitude of impact	Residual significance of effect
							Urrard House, the key attribute of its setting which contributes to its value.					
361	Shierglas Steading	Category C Listed Building	Low	Permanent	Direct	Adverse	The proposed scheme would be located approximately 80m north of Shierglas Steading and the Essangal Underbridge would be visible in views to the east, increasing the prominence of highways infrastructure within the asset's setting. However, the steading is currently in a very poor condition and its setting is dominated by the presence of a working quarry and the existing A9. The value of the building derives principally from its fabric and designation, and it will not be materially affected by the proposed scheme.	Negligible	Neutral	None proposed	Negligible	Neutral
365	Shierglas Farmhouse	Category B Listed Building	Medium	Permanent	Direct	Adverse	The proposed scheme would be located slightly closer to Shierglas Farmhouse when compared to the existing A9 and the Essangal Underbridge	Negligible	Neutral	None proposed	Negligible	Neutral

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							would be visible in views to the east, increasing the prominence of highways infrastructure within the asset's setting. However, the farmhouse is currently in very poor condition and its setting is dominated by the presence of a working quarry and the existing A9. The value of the building derives principally from its fabric and designation, and will not be materially affected by the proposed scheme.					
371	Glackmore Farmstead	None	Low	Permanent	Direct	Adverse	The setting of Glackmore would be dominated by the cutting for the mainline (ch5700 to ch6000) which would be located directly in front of the farmhouse, enabling clear views of the mainline and traffic moving along it. This would detract from the building's upland rural setting.	Major	Slight	None proposed	Major	Slight
397	Invervack Farmstead and Possible	None	Low	Permanent	Direct	Adverse	The proposed scheme would be located	Negligible	Neutral	None proposed	Negligible	Neutral

Asset no.	Asset Name	Designation	Value	Permanent / Temporary	Direct / Indirect	Adverse / Beneficial	Impact	Impact Magnitude	Impact Significance	Mitigation	Residual magnitude of impact	Residual significance of effect
	Mill						approximately 450m from the asset and would be visible in views from the principal elevation of the farmhouse. This would not materially alter the setting of the asset.					
402	Blair Atholl Conservation Area	Conservation Area	Medium	Permanent	Direct	Adverse	The proposed scheme would impact on views from the Blair Atholl Conservation Area looking south, due to the visibility of road cuttings within the hillside to the south of the River Garry and particularly in the area of Tulach Hill, due to access tracks, and the movement of traffic. These would be particularly intrusive in views along the main street of Blair Atholl (the B8079), where Tulach Hill forms a backdrop to the historic street front.	Minor	Slight	None proposed	Minor	Slight
434	Pitaldonich, Farmhouse	None	Low	Permanent	Direct	Adverse	The proposed scheme would be located approximately 200m from Pitaldonich at ch11200 and would be visible from the building's principal	Negligible	Neutral	None proposed	Negligible	Neutral

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							elevation. Although realigned slightly towards the asset, this would not materially alter the character of its setting or diminish its value as the existing A9 currently forms an element in its setting, with clear views possible from the farmhouse towards the road embankment and vehicles moving along it.					
435	Pitaldonich Farmstead	None	Low	Permanent	Direct	Adverse	The proposed mainline would be visible approximately 200m from Pitaldonich Farmstead. This would not materially alter the character of its setting or detract from its value, as the existing A9 forms a prominent element within its setting.	Negligible	Neutral	None proposed	Negligible	Neutral
461	Chrombaidh Bridge	None	Low	Permanent	Direct	Adverse	The presence of the proposed scheme directly to the north at ch15100 would dominate the setting of the bridge, with the proposed mainline abutting its north elevation. The understanding of the	Minor	Slight	None proposed	Minor	Slight

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							bridge as a crossing point over the Allt a' Chrombaidh on the U521 would not be diminished by the presence of the proposed scheme.					
470	Bruthach Bridge	Category C Listed Building	Low	Permanent	Direct	Adverse	The proposed scheme would be located c.30m closer to the bridge than the existing A9. With the SuDS feature at ch18200 to ch18300, this would increase visual intrusion into the setting of the bridge from the presence of highways infrastructure as well as from movement of vehicles along the A9. Our understanding of the function of the bridge as a crossing point would not be diminished by the proposed scheme.	Minor	Slight	None proposed	Minor	Slight
479	Dalnamein Lodge	None	Low	Permanent	Direct	Adverse	While the proposed scheme would be located slightly closer to the Lodge, when compared to the existing A9, this would not detract from our understanding of the asset as a former	Negligible	Neutral	None proposed	Negligible	Neutral

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							shooting lodge.					
481	Dalnamein New Bridge	Category B Listed Building	Medium	Permanent	Direct	Adverse	The setting of Dalnamein New Bridge consists of the NCR7 that runs along it, the existing A9 and the Old Bridge over Allt Andeir (Asset 484). This contributes towards the understanding of the asset in terms of the history of transport in the local area and the historical changes in road bridge engineering. While there will be no physical impact on this asset, the proposed scheme would reinforce the existing visual severance with Asset 484.	Minor	Slight	None proposed	Minor	Slight
484	Old Bridge over Allt Andeir	Category C Listed Building	Low	Permanent	Direct	Adverse	The setting of the Old Bridge over Allt Andeir consists of the existing A9 and Dalnamein New Bridge (Asset 481). This assists in the understanding of the asset in terms of the history of transport in the local area and the historical changes in engineering. While there will be no direct	Minor	Slight	None proposed	Minor	Slight

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							physical impact on this asset, the proposed scheme would reinforce the existing severance with Asset 481.					
492	Geallaidh Bridge	Category C Listed Building	Low	Permanent	Direct	Adverse	The proposed scheme would be clearly visible from Geallaidh Bridge. The value of this structure derives principally from its architectural and historic interest as an early example of a concrete bridge. This value would not be affected by the proposed scheme.	Negligible	Neutral	None proposed	Negligible	Neutral
572	Dalreoch Farmstead	None	Low	Permanent	Direct	Adverse	The widening of the existing A9 towards Dalreoch Farmstead (ch19200) would increase the prominence of highways infrastructure within the asset's setting. This would not diminish our appreciation of its setting within a small roadside enclosure on the U521 or its relationship with the surrounding rural landscape, a key	Minor	Slight	None proposed	Minor	Slight

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							aspect of its setting which contributes to its value.					
580	Clunebeg Farmstead	None	Low	Permanent	Direct	Adverse	The proposed scheme would increase the prominence of highways infrastructure within the setting of Clunebeg Farmstead due to the presence of the large cutting for the Aldclune Junction approximately 160m to the southwest. The existing A9 currently forms a noticeable element within the setting of Clunebeg Farmstead, and this would not detract from the value of the asset as evidence of a later 19 th century highland farmstead.	Negligible	Neutral	None proposed	Negligible	Neutral
581	Essangal Farmstead	None	Low	Permanent	Direct	Adverse	The Essangal Underbridge would increase the prominence of highways infrastructure in the setting of the farmstead; however, this would be seen in the context of the existing crossing structure over the	Negligible	Neutral	None proposed	Negligible	Neutral

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							River Garry which dominates the setting of the asset.					
582	Garryside Cottage	None	Low	Permanent	Direct	Adverse	The proposed scheme would increase the prominence of highways infrastructure in the setting of the cottage, with the presence of the mainline directly to the south. Views from the principal elevation towards Blair Atholl to the north would be maintained, as would our understanding of it as a late 19 th century residential building	Minor	Slight	None proposed	Minor	Slight
584	Tomchitchen Cottage	None	Low	Permanent	Direct	Adverse	The presence of the proposed scheme in front of Tomchitchen would maintain the existing severance of the cottage from Calvine.	Negligible	Neutral	None proposed	Negligible	Neutral
585	Calvine Village	None	Low	Temporary	Direct	Adverse	The presence of the proposed scheme would maintain the severance of the clachan from the landscape to the north by the A9.	Negligible	Neutral	None proposed	Negligible	Neutral
588	Tigh-na-Coille Cottage	None	Negligible	Permanent	Direct	Adverse	The presence of the proposed scheme would compound intrusion from highways	Minor	Neutral	None proposed	Minor	Neutral

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							infrastructure within the setting of Tigh-na-Coille due to the mainline being located approximately 25m north of the building (ch20600). The existing A9 currently forms a prominent part of the building's setting, and the proposed scheme would further detract from an appreciation of this building as an isolated roadside cottage.					
589	Saidhe School	None	Negligible	Permanent	Direct	Adverse	The presence of the proposed scheme would increase the prominence of highways infrastructure within the setting of the former school; however, the existing A9 currently forms a noticeable element in the building's setting.	Negligible	Neutral	None proposed	Negligible	Neutral
Historic Landscapes												
HLT1	17 th – 19 th Century Rectilinear Fields and Farms		Low	Permanent	Direct	Adverse	During operation, the Bruar/Calvine Junction and Clunes Lodge Overbridge would be a dominant feature within this area. The legibility of this historic landscape type along	Minor	Slight	None proposed	Minor	Slight

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							the A9 would, however, be maintained.					
HLT2	Managed Woodland	None	Low	Permanent	Direct	Adverse	During operation, the Aldclune Junction and Clunes underpass would be a dominant feature and small areas of woodland will have been removed at ch1500, ch10400 to ch10900, ch15300 to ch15600, ch16200 to ch16400 and ch16800. While this would result in some limited change to the HLT, its legibility across the study area and wider landscape would be maintained.	Negligible	Neutral	None proposed	Negligible	Neutral
HLT3	19 th Century to Present Coniferous Plantation	None	Negligible	Permanent	Direct	Adverse	During operation there will be little change to those parts of this HLT that are affected between ch13200 - ch13300, and ch18900 - ch19300	Negligible	Neutral	None proposed	Negligible	Neutral
HLT8	Gardens and Designed Landscapes – retaining core elements	None	Medium	Permanent	Direct	Adverse	During operation the widened cutting between ch15870 - ch16150, and the embanked access road at ch16200 would have a slight impact on the legibility of the HLT, however no elements integral to its character will be removed.	Negligible	Neutral	None proposed	Negligible	Neutral
HLT10	Rough Grazing	None	Low	Permanent	Direct	Adverse	During operation, the proposed scheme	Negligible	Neutral	None proposed	Negligible	Neutral

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							would impact on this landscape type at the following locations: ch10200 to ch10400, ch13550 to ch14800, ch15700 to ch15900, and ch20900 to ch21300. The proposed scheme would not affect the understanding of the HLT in these areas.					
HLT12	19 th Century to Present Quarry	None	Negligible	Permanent	Direct	Adverse	During operation, the quarry would retain its legibility and no impacts have been identified.	Negligible	Neutral	None proposed	None	Neutral
HLT15	Transport	None	Negligible	Permanent	Direct	Adverse	During operation, the legibility of this landscape type would be maintained.	Negligible	Neutral	None proposed	None	Neutral
HLT21	Blair Castle Gardens and Designed Landscape	Included on the Inventory of Gardens and Designed Landscapes	High	Permanent	Direct	Adverse	During operation, the proposed scheme will be a more prominent part of the southern boundary of Blair Gardens GDL, between ch6200 and ch8550, and between ch6200 and ch7300 (please refer to Viewpoint 9 (Figure 14.14): Blair Castle Gardens). This would affect the legibility of the GDL at these locations however there will have been no loss of any historic landscape features, particularly associated with Tulloch Park.	Minor	Slight	None proposed	Minor	Slight

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Appendix A15.4: Cultural Heritage Impact, Mitigation and Residual Impact Tables



Asset no.	Asset Name	Designation	Value	Permanent / Temporary	Direct / Indirect	Adverse / Beneficial	Impact	Impact Magnitude	Impact Significance	Mitigation	Residual magnitude of impact	Residual significance of effect
HLT22	Falls of Bruar Garden and Designed Landscape	Garden and Designed Landscape	High	None	None	None	No impacts during operation on the Falls if Bruar have been identified due to the intervening House of Bruar.	None	None	None	None	None
HLT23	Killiecrankie Battlefield	Registered Battlefield	High	Permanent	Direct	Adverse	The presence of the proposed scheme would reinforce the severance of the battlefield caused by the A9.	Moderate	Moderate	None proposed	Moderate	Moderate