



Wylfa Newydd Project

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11 Cultural heritage

11.1 Introduction

- 11.1.1 This chapter describes the assessment of potential cultural heritage effects resulting from the construction, operation and decommissioning of the Park and Ride facility at Dalar Hir (hereafter referred to as the 'Park and Ride').
- 11.1.2 Please refer to chapter B11 (cultural heritage) (Application Reference Number: 6.2.11) for the technical basis of the assessment, including a summary of legislation, policy and guidance; key points arising in consultation that have guided the cultural heritage assessment; and assessment methodologies and criteria.

11.2 Study area

- 11.2.1 This section describes the study area relevant to the cultural heritage assessment for the Park and Ride.
- 11.2.2 The study area for archaeological remains, historic buildings and the historic landscape was defined as the site of the Park and Ride and an area extending 500m in all directions from the site boundary (see figure F11-1, Application Reference Number: 6.6.38). This size of study area was used as it provided a suitable corpus of information to inform the assessment of the value of heritage assets and which also was in proportion to the potential effects which may result from the Park and Ride.
- 11.2.3 The Zone of Theoretical Visibility (ZTV), data from Cadw on designated heritage assets (issued March 2017), online Ordnance Survey mapping and aerial photography, informed by the results of walkover survey and site inspections, were used to identify those heritage assets within 3km of the Park and Ride, but outside the study area, which could be affected by the construction, operation and decommissioning of the Park and Ride. A 3km area was used as while the ZTV extends up to 6km from the Park and Ride, visual effects would diminish with distance, and therefore there are unlikely to be any significant effects on the setting of designated assets beyond 3km. For more information on this and the ZTV, please refer to chapter F10 (landscape and visual) (Application Reference Number: 6.6.10). This approach aligns with Stage 1 of the guidance provided by the *Setting of Historic Assets in Wales* [RD1]. Significant noise effects beyond 600m are also considered unlikely (please refer to chapter F6 noise and vibration, Application Reference Number: 6.6.6), and therefore designated heritage assets which may be affected by changes in noise would also fall within the 500m study area or the wider 3km area.
- 11.2.4 The results of this assessment are presented in table F11-1. Heritage assets on which no effects are predicted have not been included in the cultural heritage baseline and are not assessed further in this chapter.

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Table F11-1 Designated assets outside the study area and within 3km of the Park and Ride which lie inside the ZTV

Designation Reference	Asset Name	Designation	Assessment
AN088	Castellor Hut Group	Scheduled Monument	No intervisibility with the Park and Ride due to topography, existing buildings and hedgerows. No effect on this heritage asset is predicted and therefore it has been scoped out of further assessment.
AN099	Bodedern Early Christian Cemetery	Scheduled Monument	No intervisibility with the Park and Ride due to existing buildings, mature trees and hedgerows. No effect on this heritage asset is predicted and therefore it has been scoped out of further assessment.
LB5276	Church of St. Edeyrn	Grade II* Listed Building	No intervisibility with the Park and Ride due to existing buildings in Bodedern. No effect on this heritage asset is predicted and therefore it has been scoped out of further assessment.
LB19482	Ardwyn	Grade II Listed Building	No intervisibility with the Park and Ride due to existing buildings in Bodedern. No effect on this heritage asset is predicted and therefore it has been scoped out of further assessment.
LB19494	Tre Iorwerth	Grade II Listed Building	No intervisibility with the Park and Ride due to mature woodland and topography. No effect on this heritage asset is predicted and therefore it has been scoped out of further assessment.
LB20418	Caergeiliog Chapel	Grade II Listed Building	No intervisibility with the Park and Ride due to topography and existing buildings in Caergeiliog. No effect on this heritage asset is predicted and therefore it has been scoped out of further assessment.

Designation Reference	Asset Name	Designation	Assessment
LB20419	Caergeiliog Chapel House with stables and cartshed	Grade II Listed Building	No intervisibility with the Park and Ride due to existing buildings in Caergeiliog including Caergeiliog Foundation School. No effect on this heritage asset is predicted and therefore it has been scoped out of further assessment.
LB20511	Milestone in Bryngwran	Grade II Listed Building	No intervisibility with the Park and Ride due to existing buildings in Bryngwran. No effect on this heritage asset is predicted and therefore it has been scoped out of further assessment.
LB5266	Caergeiliog Tollhouse	Grade II Listed Building	No intervisibility with the Park and Ride due to existing buildings in Caergeiliog. No effect on this heritage asset is predicted and therefore it has been scoped out of further assessment.
LB5712	Soar Chapel and chapel house	Grade II Listed Building	No intervisibility with the Park and Ride due to existing buildings in Bodedern. No effect on this heritage asset is predicted and therefore it has been scoped out of further assessment.

11.3 Baseline environment

11.3.1 This section provides a summary of the baseline conditions for cultural heritage within the study area described in section 11.2.

11.3.2 The cultural heritage baseline environment has been established through:

- an archaeological baseline assessment of the Park and Ride site and a 500m study area around it (appendix F11-1, Dalar Hir, Ynys Mon Archaeological Baseline Assessment, Application Reference Number: 6.6.32);
- a walkover survey of the Park and Ride site and site inspections of designated assets within the ZTV and 3km of the Park and Ride undertaken on 29 January 2016;
- a geophysical survey of the Park and Ride site (appendix F11-2, Land at Dalar Hir, Near Junction 4 of the A55, Geophysical Survey, Application Reference Number: 6.6.33); and
- archaeological trial trenching of the Park and Ride site (appendix F11-3, Land at Dalar Hir: Archaeological Trial Trenching, Application Reference Number: 6.6.34).

11.3.3 From these sources a total of 40 heritage assets are considered as part of the cultural heritage baseline for the Park and Ride, comprising 33 archaeological remains, four historic buildings, and three Historic Landscape Types (HLTs). The locations of heritage assets are shown on figure F11-1 (Application Reference Number: 6.6.38), and further information on these heritage assets can be found in appendix F11-4 (gazetteer of heritage assets) (Application Reference Number: 6.6.35). A summary of the value of the 40 heritage assets considered as the cultural heritage baseline is presented in table F11-2.

Table F11-2 Summary of the value of heritage assets

Subtopic	High	Medium	Low	Negligible
Archaeological remains	0	5	21	7
Historic buildings	0	1	1	2
Historic landscape types	3	0	0	0
TOTAL	3	6	22	9

Archaeological remains

Archaeological remains of high value

11.3.4 No archaeological remains of high value have been identified within the study area.

Archaeological remains of medium value

11.3.5 A total of five archaeological remains within the study area have been assessed to be of medium value.

- 11.3.6 Located on the summit of a low hill, Caer Helen, Earthwork (Asset 6) is a rectangular enclosure of Iron Age, or possibly Romano-British, date. Much reduced by modern agricultural activity, buried archaeological remains may also have been truncated or removed by the construction of transmitter masts. The setting of this heritage asset comprises its rural hilltop location, transmitter masts and views to the north of enclosed farmland and traffic noise and movement on the A55 North Wales Expressway. While this heritage asset has the potential to address research objectives related to prehistoric settlement [RD2; RD3], it is poorly preserved and has been assessed to be of medium value.
- 11.3.7 Four burnt mounds have been identified within the study area. The majority of burnt mounds excavated in north-west Wales date to the Bronze Age [RD4], although examples dating to earlier and later periods have also been identified. The most commonly suggested functions for them are to heat water and/or to create steam for cooking or bathing. Burnt mounds are not as rare as was once thought but are characteristic of Bronze Age activity in the region. Dalar Hir Burnt Mound and Ditches (Asset 13) comprises two horseshoe-shaped ditches and material associated with a burnt mound and Asset 14 is a spread of material which is likely to indicate the presence of the remains of a nearby burnt mound. Asset 15 is a large burnt mound with linear ditch-type features, one of which may be associated with the burnt mound. Dalar Hir Burnt Mound, Pits, Ditches and Postholes (Asset 18) comprises a large burnt mound associated with a number of linear ditches and pits, one of which contained a flint scraper considered to be Neolithic or Early Bronze Age date. These heritage assets have the potential to address research objectives related to prehistoric settlement [RD2; RD3] and have been assessed to be of medium value.

Archaeological remains of low value

- 11.3.8 A total of 21 archaeological remains within the study area have been assessed to be of low value. These are characterised by undated, but potentially prehistoric, pits, ditches, linear features and postholes identified during archaeological trial trenching (appendix F11-3, Application Reference Number: 6.6.34). Examples include:
- Dalar Hir Ditch, Pits and Posthole (Asset 19) which contained poorly preserved cereal grains;
 - Assets 21, 24, 25, 28, 31, 32, 33 and 35 which contained charcoal;
 - Dalar Hir Ditch 5 (Asset 30) in which twig fragments suitable for Accelerator Mass Spectrometry dating were identified; and
 - Dalar Hir Linear Features (Asset 34) from which a single flint flake was recovered.
- 11.3.9 While these 21 archaeological remains have the potential to address research objectives related to prehistoric settlement [RD2; RD3], they are artefactually poor and therefore have been assessed to be of low value.

Archaeological remains of negligible value

- 11.3.10 Seven archaeological remains within the study area have been assessed to be of negligible value.
- 11.3.11 Asset 2 is a former Clawdd, a stone-faced earth bank usually supporting a hedge. This comprises above-ground remains and below-ground remains identified by the geophysical survey. While this is an example of a regional field boundary type, this heritage asset is a poorly preserved feature common to the area and has been assessed to be of negligible value.
- 11.3.12 Field Clearance (Asset 3) is a modern clearance cairn, a common feature with limited time depth. This heritage asset has been assessed to be of negligible value.
- 11.3.13 Two findspots have been identified within the study area comprising the discovery locations of a bronze palstave axe (Asset 5) and a stone axe (Asset 7). While they indicate prehistoric activity in the area, as findspots of unstratified objects their potential to contribute to our knowledge and understanding of prehistoric activity on Anglesey is limited, and these heritage assets have been assessed to be of negligible value.
- 11.3.14 Possible Field System (Asset 10) comprises a possible prehistoric or later field system interpreted as the eroded remains of lynchets: banks of earth that build up on the downslope of a field ploughed over a long period of time. Possible Field System (Site of) (Asset 11) is likely to have been destroyed by the construction of highways infrastructure. While these heritage assets provide evidence of early forms of agricultural practices and land use, Asset 10 is poorly preserved and Asset 11 has been removed during the construction of the A55 North Wales Expressway. These heritage assets have been assessed to be of negligible value.
- 11.3.15 Penmynydd Occupation Site (Asset 12) was excavated ahead of the construction of the A55 North Wales Expressway. Excavation identified evidence of occupation from the Neolithic and early Bronze Age to the late Romano-British periods, as well as post-medieval field boundaries [RD5]. While this heritage asset provides evidence for multi-period activity within the study area, as this heritage asset has been fully excavated prior to the construction of the A55 North Wales Expressway, it has been assessed to be of negligible value.

Potential for unknown archaeological remains

- 11.3.16 Based on the results of the archaeological baseline assessment, geophysical survey and archaeological trial trenching, the potential for the presence of unknown archaeological remains within the study area has been assessed to be high.

Historic buildings

Historic buildings of high value

- 11.3.17 No historic buildings assessed to be of high value have been identified within the study area.

Historic buildings of medium value

- 11.3.18 Asset 8 is a milestone on Thomas Telford's London to Holyhead Road [RD6] (for its location see figure F11-1, Application Reference Number: 6.6.38). Set into a limestone pillar, the milestone retains its original cast iron plate. This heritage asset is one of 78 examples associated with Telford's Holyhead Road, and is a Grade II Listed Building. As a well-preserved milestone associated with a nationally important 19th century engineer and with reference to its designation, this heritage asset has been assessed to be of medium value.

Historic buildings of low value

- 11.3.19 Asset 1 comprises a boundary wall associated with Thomas Telford's London to Holyhead Road. A survey of 130km of the Welsh section of the road determined that approximately 40% of the original road and its ancillary features survive under, or integrated into, the modern A5 [RD6]. Asset 1 consists of an 800m section of the original wall and three rectangular roadside storage depots designed to store road maintenance materials. Boundary walls associated with Telford's London to Holyhead Road in Wales are common and therefore this heritage asset has been assessed to be of low value.

Historic buildings of negligible value

- 11.3.20 Dalar Hir Farmstead (Asset 4) comprises the remaining elements of the 19th century farm buildings. Surviving walls provide an indication of the original layout of the farmstead. This heritage asset is in a state of poor preservation and has been assessed to be of negligible value.
- 11.3.21 While Bryngoleu Farmhouse and Buildings (Asset 9) has been modernised it still provides an example of a typical small, late-19th century, rural vernacular architecture of Anglesey. The setting of this heritage asset, while mostly rural, also includes modern buildings and the Cartio Môn Go-Karting centre and traffic noise and movement from the A55 North Wales Expressway to the south. As an example of a common and widespread building type, this heritage asset has been assessed to be of negligible value.

Historic landscape types

Historic landscape types of high value

- 11.3.22 Fieldscape, Central Eastern Mon, HLT (HLT 1) comprises enclosed fields resulting from the varying processes of enclosure and enlargement undertaken from the 18th to the 20th century. While fields are bounded by historic drystone walls, banks, cloddiau and hedgerows, the legibility of historic field boundary patterns has been eroded by the establishment of fencing and hedgerows during the 20th century. Eight important hedgerows, as defined under The Hedgerows Regulations 1997 have been identified within the Park and Ride site. Please refer to chapter B11 of this Environmental Statement (Application Reference Number: 6.2.11) for more information on The Hedgerows Regulations 1997. LANDMAP identifies HLT 1 to be of

outstanding value and therefore this HLT has been assessed to be of high value.

11.3.23 The A5 Corridor and Associated Villages HLT (HLT 2) is a 19th century turnpike road built by Telford, starting at Menai Bridge, with associated settlements, modern industrial estates, villages and ribbon sprawl. LANDMAP identifies HLT 2 to be of outstanding value and therefore this HLT has been assessed to be of high value.

11.3.24 The Inland Southern Anglesey HLT (HLT 3) is an agricultural fieldscape characterised by irregular field shapes defined by traditional boundary types including hedgerows containing trees, hedgebanks, and stone and earth banks. LANDMAP identifies HLT 2 to be of outstanding value and therefore this HLT has been assessed to be of high value.

Historic landscape types of medium, low and negligible value

11.3.25 No HLTs of medium, low or negligible value have been identified within study area.

Evolution of the baseline

11.3.26 Long-term changes to the cultural heritage baseline are likely to result from changes in climate which could remove, or result in changes to the form of existing heritage assets through erosion (which could also lead to new heritage assets being exposed) or the construction of flood defences. This could result in changes to the fabric of historic buildings through adaptations to meet climatic change. In addition, changes in crop, stock or species viability, could result in removal of, or changes to, heritage assets.

11.4 Design basis and activities

11.4.1 This section sets out the design basis for this assessment of effects. It sets out where any assumptions have been made to enable the assessment to be carried out at this stage in the evolution of the design. This section also identifies the embedded and good practice mitigation that will be adopted to reduce adverse effects as inherent design features or by implementation of standard industry good working practice.

11.4.2 As described in chapter F1 (proposed development) (Application Reference Number: 6.6.1), the application for development consent is based on a parameter approach. The assessment described within this chapter has taken into consideration the flexibility afforded by the parameters. A worst case scenario has therefore been assessed from a cultural heritage perspective within the parameters described in chapter F1 (Application Reference Number: 6.6.1).

Construction

Basis of assessment and assumptions

11.4.3 For the Park and Ride site, the cultural heritage baseline which informed the assessment was established through desk-based survey, walkover survey

and site inspections, geophysical survey and trial trenching. For the study area outside the Park and Ride site, the baseline has been established through desk-based survey and site inspections only. In addition, the value of historic buildings has been established through external inspections only.

- 11.4.4 Construction activities, especially the removal of topsoil, have the potential to remove known archaeological remains, a historic building, historic landscape elements and any unknown archaeological remains that may be present. It is assumed that any unknown archaeological remains that may be present are of the same nature and value as those previously identified within the Park and Ride.
- 11.4.5 The potential loss of information resulting from the removal of archaeological remains would affect our understanding of Welsh culture. Further information on the effects on Welsh culture is presented in the Welsh Language Impact Assessment (Application Reference Number: 8.21).

Embedded mitigation

- 11.4.6 Embedded mitigation during construction relevant to cultural heritage includes the following:
- historic field boundaries will be retained and enhanced, where practicable, to maintain the landscape character; and
 - the establishment of environmental buffer zones identified in chapter F2 (alternatives and design evolution) (Application Reference Number: 6.6.2) and shown on figure A2-3 (Application Reference Number: 6.1.10) of this Environmental Statement.
- 11.4.7 Embedded mitigation is set out in the relevant Works Plans (Application Reference Number: 2.3) and volume 3, appendix 1-3 (Associated Development and Off-Site Power Station Facilities) of the Design and Access Statement (Application Reference Number: 8.2.3) being secured through Development Consent Order requirements.

Good practice mitigation

While no good practice mitigation has been identified specifically for effects on heritage assets during construction, good practice mitigation as set out in section 8 of the Wylfa Newydd Code of Construction Practice (CoCP) (Application Reference Number: 8.6) and section 8 of the Park and Ride sub-CoCP (Application Reference Number: 8.10) would reduce noise effects on the setting of heritage assets.

Operation

Basis of assessment and assumptions

- 11.4.8 For the purpose of this assessment, it has been assumed that the presence of the Park and Ride during operation has the potential to have a continued effect on the setting of heritage assets.

Embedded mitigation

11.4.9 The following embedded mitigation, which would reduce effects on the setting of heritage assets during operation, is proposed:

- historic field boundaries will be retained and enhanced, where practicable, to maintain the landscape character; and
- retention of the stone wall along the southern boundary of the site (shown in figure A2-3, Application Reference Number: 6.1.11).

11.4.10 Embedded mitigation is set out in the relevant Works Plans (Application Reference Number: 2.3) and volume 3, appendix 1-3 of the Design and Access Statement (Application Reference Number: 8.2.3) being secured through Development Consent Order requirements.

Good practice mitigation

11.4.11 No good practice mitigation is required to mitigate effects on heritage assets during the operation of the Park and Ride.

Decommissioning

Basis of assessment and assumptions

11.4.12 Based on the information presented in chapter F1 (Application Reference Number: 6.6.1) the Park and Ride would be removed at the end of the WNDA Development construction period and the site would be reinstated to its current agricultural use.

Embedded mitigation

11.4.13 No embedded mitigation during decommissioning of the Park and Ride is required to mitigate effects on heritage assets.

Good practice mitigation

11.4.14 While no good practice mitigation has been identified specifically for effects on heritage assets, decommissioning good practice mitigation set out in section 8 of the Wylfa Newydd CoCP (Application Reference Number: 8.6) and section 8 of the Park and Ride sub-CoCP (Application Reference Number: 8.10) would reduce noise effects on the setting of heritage assets.

11.5 Assessment of effects

11.5.1 This section presents the results of the assessment of effects associated with the construction, operation and decommissioning of the Park and Ride. The detailed assessment of effects for heritage assets is presented in appendix F11-5 (effects on heritage assets) (Application Reference Number: 6.6.36). Where these effects are of moderate or greater significance before the application of additional mitigation, these are also presented in the text below and in table F11-4.

Construction

Archaeological remains

- 11.5.2 Effects on three archaeological remains have been assessed to be moderate adverse significance and these effects are discussed below. Effects of minor adverse significance are predicted for a further 17 archaeological remains and effects on a further three have been assessed to be of negligible adverse significance. These effects are not discussed below but are presented in appendix F11-5 (Application Reference Number: 6.6.36). No effects are predicted on the remaining 10 archaeological remains.
- 11.5.3 Should any remains of Dalar Hir Possible Burnt Mound (Asset 14; medium value) survive outside the environmental buffer zone (see figure A2-3, Application Reference Number: 6.1.11) these would be removed by topsoil stripping. The magnitude of this permanent adverse effect has been assessed to be large and the significance of effect moderate adverse.
- 11.5.4 Topsoil stripping would result in the removal of buried archaeological remains associated with Dalar Hir Burnt Mound and Linear Ditches (Asset 15; medium value) and Dalar Hir Burnt Mound, Pits, Ditches and Postholes (Asset 18; medium value). The magnitude of these permanent adverse effects has been assessed to be large and the significance of effects moderate adverse.
- 11.5.5 Please note that as Dalar Hir Burnt Mound and Ditches (Asset 13) is located within an area of environmental buffer that will not be disturbed, no effect on this heritage asset is predicted.

Historic buildings

- 11.5.6 No effects on any historic buildings have been assessed to be moderate adverse or above. Effects on two historic buildings identified within the study area (Boundary Wall adjacent to Telford A5 Road (Asset 1) and Dalar Hir Farmstead (Asset 4)) have been assessed to be of minor adverse significance and effects on one historic building have been assessed to be of negligible adverse significance (Bryngoleu Farmhouse and Buildings (Asset 9)). These effects are not discussed below but are presented in appendix F11-5 (Application Reference Number: 6.6.36). No effects are predicted on the one remaining historic building.

Historic landscape types

- 11.5.7 No effects on any HLTs have been assessed to be moderate adverse significance or above. An effect on one HLT (Fieldscape, Central Eastern Mon, HLT (HLT 1)) has been assessed to be of minor adverse significance. This effect is not discussed below but is presented in appendix F11-5 (Application Reference Number: 6.6.36). No effects are predicted on the remaining two HLTs.

Operation

Archaeological remains

- 11.5.8 No effects on archaeological remains resulting from operation of the Park and Ride have been assessed to be of moderate adverse significance or above. Effects of negligible adverse significance are predicted for one archaeological site (Caer Helen, Earthwork (Asset 6)). An assessment of these effects is presented in appendix F11-5 (Application Reference Number: 6.6.36).

Historic buildings

- 11.5.9 No effects on historic buildings resulting from operation of the Park and Ride have been assessed to be of moderate adverse significance or above. Effects of negligible adverse significance are predicted for one historic building (Bryngoleu Farmhouse and Buildings (Asset 9)). An assessment of these effects is presented in appendix F11-5 (Application Reference Number: 6.6.36).

Historic landscape types

- 11.5.10 No effects of moderate significance or greater have been identified for HLTs. Operation would have an effect on one HLT (Fieldscape, Central Eastern Mon, HLT (HLT 1)) that has been assessed to be of minor adverse significance. An assessment of this effect is presented in appendix F11-5 (Application Reference Number: 6.6.36). No effects on the remaining two HLTs are predicted.

Decommissioning

Archaeological remains

- 11.5.11 No effects of moderate adverse significance or greater have been identified for archaeological remains. An effect of negligible adverse significance is predicted for one archaeological remain (Caer Helen, Earthwork (Asset 6)). An assessment of these effects is presented in appendix F11-5 (Application Reference Number: 6.6.36).

Historic buildings

- 11.5.12 No effects of moderate significance or greater have been identified for historic buildings. An effect of negligible adverse significance is predicted for one historic building (Bryngoleu Farmhouse and Buildings (Asset 9)). An assessment of these effects is presented in appendix F11-5 (Application Reference Number: 6.6.36).

Historic landscape types

- 11.5.13 No effects on the three HLTs identified within the study area are predicted as a result of decommissioning of the Park and Ride.

11.6 Additional mitigation

- 11.6.1 In accordance with chapter B1 (introduction to the assessment process) of this Environmental Statement (Application Reference Number: 6.2.1), embedded and good practice mitigation measures relevant to cultural heritage were taken into account when determining the 'pre-mitigation' significance of effects. These are detailed in the design basis and activities section of this chapter.
- 11.6.2 Additional mitigation measures would be implemented to address potential significant effects identified in the assessment of effects section. These additional mitigation measures are summarised in table F11-3 for construction. No additional mitigation measures are proposed for operation and decommissioning.

Construction

Archaeological remains

- 11.6.3 Archaeological excavation would be undertaken to mitigate the effects on Dalar Hir Possible Burnt Mound (Asset 14; medium value), Dalar Hir Burnt Mound and Linear Ditches (Asset 15; medium value) and Dalar Hir Burnt Mound, Pits, Ditches and Postholes (Asset 18; medium value) presented in table F11-3.
- 11.6.4 The archaeological excavation would be undertaken in accordance with relevant guidance provided by the Chartered Institute for Archaeologists (e.g. [RD7]) and Written Schemes of Investigation (WSIs) which would be agreed with Gwynedd Archaeological Planning Services (GAPS). All archaeological recording would include a programme of assessment, reporting, analysis, publication and dissemination commensurate with the value of the archaeological remains removed, submission of reports to the Historic Environment Record and National Monument Record of Wales, and the preparation of an ordered archive which would be submitted to an appropriate repository.
- 11.6.5 A photographic survey in accordance with relevant best practice guidance [RD8; RD9] and a WSI which would be agreed with GAPS would be undertaken for the Former Clawdd (Asset 2; negligible value). The photographic survey would include the preparation and submission of reports to the Historic Environment Record and National Monument Record of Wales and the preparation of an ordered archive which would be submitted to an appropriate repository.

Historic buildings

- 11.6.6 Level 1 Historic Building Recording would be undertaken to mitigate the effects on the Boundary Wall Adjacent to Telford A5 Road (Asset 1; low value), and the Dalar Hir Farmstead (Asset 4; negligible value).
- 11.6.7 The Level 1 Historic Building Recording would be undertaken in accordance with relevant best practice guidance [RD9; RD10; RD11] and a WSI which would be agreed with GAPS. The Level 1 Historic Building Record is a basic visual record, supplemented by the minimum of information needed to identify

the building's location, age and type. Photographic survey would include the preparation and submission of reports to the Historic Environment Record and National Monument Record of Wales and the preparation of an ordered archive which would be submitted to an appropriate repository.

Historic landscape types

- 11.6.8 A photographic survey would be undertaken to record the current condition of Fieldscape, Central Eastern Mon, HLT (HLT 1). Photographic survey would be undertaken in accordance with relevant best practice guidance [RD8; RD9] and a WSI which would be agreed with GAPS. Photographic survey would include the preparation and submission of reports to the Historic Environment Record and National Monument Record of Wales and the preparation of an ordered archive which would be submitted to an appropriate repository.
- 11.6.9 A summary of proposed additional mitigation measures for cultural heritage is presented in table F11-3. These measures would be secured through inclusion in chapter 12 of the Wylfa Newydd CoCP (Application Reference Number: 8.6) and chapter 12 of the Park and Ride sub-CoCP (Application Reference Number: 8.10), both being secured through Development Consent Order requirements.

Table F11-3 Additional mitigation measures – construction

Additional mitigation measures	Objective	Achievement criteria and reporting requirements
Archaeological excavation	To record archaeological remains	Completion of archaeological excavation, reporting, publication (if required), other dissemination of results, submission of an ordered archive to an appropriate repository
Photographic survey	To record archaeological remains and historic landscape type	Completion of reporting, dissemination of results, submission of an ordered archive to an appropriate repository
Level 1 Historic Building Recording	To record historic building remains	Completion of reporting, publication (if required), other dissemination of results, submission of an ordered archive to an appropriate repository

Operation

- 11.6.10 No additional mitigation for archaeological remains, historic buildings or historic landscapes is required for the operation of the Park and Ride.

Decommissioning

- 11.6.11 No additional mitigation for archaeological remains, historic buildings or historic landscapes is required for the decommissioning of the Park and Ride.

11.7 Residual effects

- 11.7.1 This section describes the residual effects having taken into account the embedded, good practice and additional mitigation described above. A summary of the residual effects and their significance for archaeological remains is provided in table F11-4.
- 11.7.2 After mitigation, no significant effects on any known archaeological remains, historic buildings or HLTs are predicted.
- 11.7.3 The residual significance of effect during construction has been assessed to be minor adverse for three archaeological remains and negligible for 20 archaeological remains, three historic buildings and one HLT. During operation, the residual significance of effect has been assessed to be negligible adverse for one archaeological site, one historic building and one HLT. The residual significance of effect during decommissioning has been assessed to be negligible adverse for one archaeological site and one historic building.

Table F11-4 Summary of residual effects for archaeological remains

Receptor (or group of receptors)	Value of receptor(s)	Description of potential effect	Nature of effect	Potential magnitude of change	Potential significance of effect	Additional mitigation	Post- mitigation magnitude of change	Significance of residual effect
Construction								
Dalar Hir Possible Burnt Mound (Asset 14)	Medium	Removal	Adverse Regional Permanent	Large	Moderate adverse	Archaeological excavation	Small	Minor adverse
Dalar Hir Burnt Mound and Linear Ditches (Asset 15)	Medium	Removal	Adverse Regional Permanent	Large	Moderate adverse	Archaeological excavation	Small	Minor adverse
Dalar Hir Burnt Mound, Pits, Ditches and Postholes (Asset 18)	Medium	Removal	Adverse Regional Permanent	Large	Moderate adverse	Archaeological excavation	Small	Minor adverse

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11.8 References

Table F11-5 Schedule of references

ID	Reference
RD1	Welsh Government. 2017. <i>Setting of Historic Assets in Wales</i> . [Online]. [Accessed: 11 July 2017]. Available from: http://cadw.gov.wales/docs/cadw/publications/historicenvironment/20170531Setting%20of%20Historic%20Assets%20in%20Wales%2026918%20EN.pdf
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