

7. ARCHAEOLOGY AND CULTURAL HERITAGE

7.1 Introduction

This Chapter provides an appraisal of the potential effects of the Project on archaeology and cultural heritage receptors (Table 7.1). The full baseline including site gazetteer is provided in **Annex R**. Cultural heritage receptors are illustrated on **Figure 7-1**.

7.2 Appraisal Methodology

The Study Areas proposed below are considered appropriate for this appraisal due to the need to understand the archaeological and landscape context in an area which has existing transmission infrastructure in place.

This desk study was supported by fieldwork and the production of a zone of theoretical visibility (ZTV) and utilises the standard SSEN Transmission impact assessment methodology as described in **Chapter 1**.

7.2.1 The Proposed Development

For the Proposed Development, as set out in **Chapter 2: Project Description**, Study Areas with a 2 km radius for designated cultural heritage assets and a 250 m radius for non-designated cultural heritage assets were established from the proposed planning application (red line) boundary, within which is located the substation platform, SuDs pond, temporary peat storage areas, proposed platform extension and temporary works area (TWA). Additionally, an area of investigation (AoI) with a 50m radius around the permanent access tracks inside the redline boundary and the existing access track (Cross Kintyre Haul Road/Cour Estate track), was developed.

7.2.2 The Associated Development

For the Associated Development, as set out in **Chapter 2: Project Description**, Study Areas with a 2 km radius for designated cultural heritage assets and a 250 m radius for non-designated cultural heritage assets were established around the proposed permanent access tracks, temporary access tracks, tower locations, temporary overhead line (OHL) diversion, and permanent OHL.

7.2.3 Consultation

During pre-application consultation with Historic Environment Scotland (HES) in January 2022, it was noted that in relation to Category A-listed Killean, The "Dolls' Houses" (LB43266):

"Any further works, such as access track widening, within the vicinity of the listed building should assess setting impacts on this asset and we recommend that this be informed with visualisations should a planning application come forward."

A setting assessment is provided in **Section 7.6**.

7.3 Baseline

7.3.1 Designated Assets

The Proposed Development

There are no designated heritage assets within the Proposed Development area.

There are no World Heritage Sites, Inventoried Historic Battlefields, Inventoried Gardens and Designed Landscapes or Conservation Areas located within 2 km of the Proposed Development.

There is one Category A Listed Building within 2 km of the Proposed Development Area:

- Cour House - LB18360 circa (c.) 1.8 km from the Proposed Development (CR_005).

There is one group of Category A Listed Buildings within 50 m of the existing access track:

- North Wing, North Range, The Doll's Houses, Killean - LB43266 c. 40 m from the Proposed Development (CR_033).

There is one Scheduled Monument within 50 m of the existing access track:

- Fort NE of Killean - SM3179 c. 45 m from the Proposed Development (CR_031).

The Associated Development

There are no World Heritage Sites, Inventoried Historic Battlefields, Inventoried Gardens and Designed Landscapes, Listed Buildings, or Conservation Areas located within 2 km of the Associated Development.

There are no designated heritage assets within the Associated Development area.

7.3.2 Non-designated

The Proposed Development

There are no known non-designated assets within the Proposed Development area.

There is one known non-designated assets within 250 m.

- South Crossaig: Milestone (Period Unassigned) c. 100m from the Proposed Development (CR_003)

There are no known non-designated assets within 50 m of the proposed access tracks.

Within the existing access track there are 5 known non-designated assets:

- Kintyre, Cour: Enclosure (Period Unassigned) (extent identified by walkover) (CR_008)
- Allt Chaltuinn: Quarry (CR_022)
- Cruach A'bhodaidh: Quarry (CR_024)
- Braids: Dyke (CR_027) confirmed extent within access track land take, despite HER placing it 44 m away)
- Braids: Dyke (CR_029) (confirmed extent within access track land take, despite HER placing it 23 m away)

Within 50 m of the existing access track there are 21 known non-designated assets:

- Cour, March Cott: Farmstead c. 33 m from the Proposed Development (CR_006)
- Gortanloiche: Building; Enclosure; Field Boundary c.25 m from the Proposed Development (CR_007)
- Dearthall: Building; Enclosure c. 35 m from the Proposed Development (CR_009)
- Gortan an t-Sailleir: Field boundary c. 3 m from the Proposed Development (CR_010)
- Auchenbreck: Farmstead c. 48 m from the Proposed Development (CR_011)
- Deucheran Beag / Farachan Mill: Farmstead; Shieling (possible) c. 3 m from the Proposed Development (CR_012)
- Deucheran Beg: Croft c. 12 m from the Proposed Development (CR_013)
- Deucheran Mor: Settlement c. 4 m from the Proposed Development (CR_014)
- Deucheran Mor / Farachan Hill: Settlement; Sheepfold c. 15 m from the Proposed Development (CR_015)
- Deucheran: Shieling c. 52 m from the Proposed Development (CR_016)
- Deucheran: Shieling c. 16 m from the Proposed Development (CR_017)
- Allt Deucheran: Shieling-hut c. 23 m from the Proposed Development (CR_018)

- Cruach Na Naich: Quarry c. 23 m from the Proposed Development (CR_019)
- Cruach Na Naich: Quarry c. 20 m from the Proposed Development (CR_020)
- Cruach Na Naich: Quarry c. 6 m from the Proposed Development (CR_021)
- Cruach A'bhodaidh: Quarry c. 20 m from the Proposed Development (CR_023)
- Braids: Dyke c. 10 m from the Proposed Development (CR_026)
- Braids: Limekiln c. 21 m from the Proposed Development (CR_028)
- Braids / Braids 3 / Bragaid: Cup-markings c. 25 m from the Proposed Development (CR_030)
- Kilmory: Church (possible) c. 40 m from the Proposed Development (CR_032)
- North Wing, North Range, The Doll's Houses, Killean c. 35 m from the Proposed Development (CR_033)

No previously unknown archaeological features were identified as a result of the archaeological walkover; however, the majority of the area was inaccessible due to dense tree cover.

The Associated Development

There are no known non-designated assets within the Associated Development area (permanent/temporary access tracks, two towers, temporary OHL diversion and permanent section of OHL).

There are three known non-designated assets within 250 m of the Associated Development area:

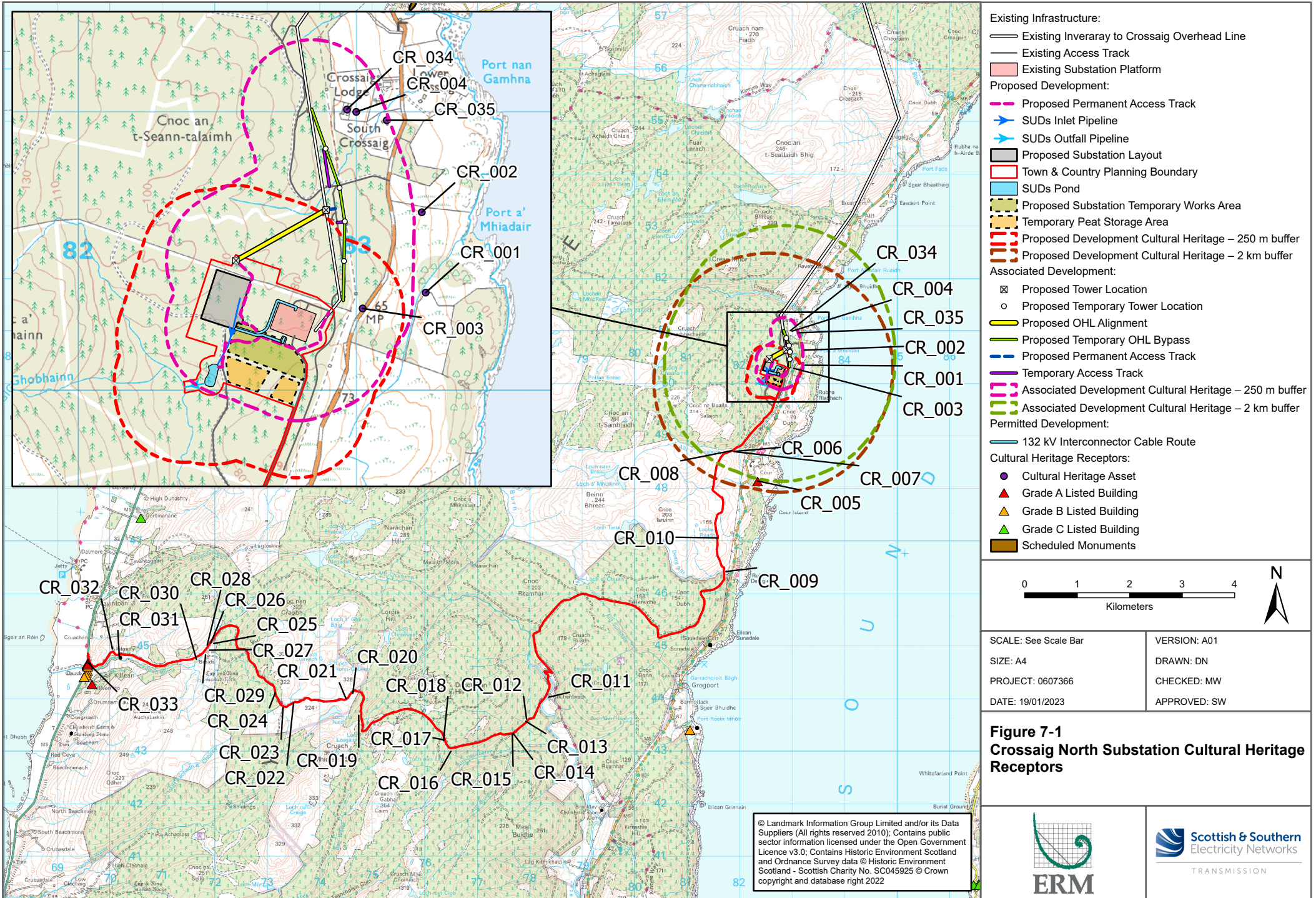
- South Crossaig: Milestone c.75 m from the Associated Development (CR_003);
- Remotely Sensed Asset: Foundation remains of farmstead c. 118 m from the Associated Development (CR_034); and
- South Crossaig: Farmstead c. 238 m from the Associated Development (CR_035).

There is also one centroid location associated with five wrecked aircraft and ships that have no verified location but are believed to be in the vicinity of Crossaig. It is important to note that these assets are not actually located at the marked location. This location is arbitrarily placed within 250 m of the Associated Development:

- Centroid Location: Three 20th century aircraft and two 19th century seacraft c.148 m from the Associated Development. (CR_004)

There are no known non-designated assets within 50 m of the permanent access track.

No previously unknown archaeological features were identified as a result of the archaeological walkover; however, the majority of the area was inaccessible due to dense tree cover.



PROJECTION: British National Grid

7.4 Appraisal – Direct Effects

While the general ground conditions of the area have low potential for the survival of buried archaeological remains, there remains the potential for unknown buried archaeology.

7.4.1 The Proposed Development

It is not anticipated that the access roads will be widened, and only routine maintenance of the tracks will be carried out during this scope of works. Therefore, along the existing access route there is potential for low magnitude direct impacts to an enclosure (CR_008), two quarries (CR_022 and CR_024) and two dykes (CR_027 and CR_029) during access track improvements, if required. With the implementation of avoidance mitigations listed in section 7.5, the significance of effect to these assets will be minor.

There is potential for low magnitude direct impacts to a field boundary (CR_010), post-medieval settlement (CR_014), a farmstead (CR_012) and a quarry (CR_021) during access track improvements, if required. With the implementation of avoidance mitigation listed in section 7.5, the significance of effect to these assets will be minor.

7.4.2 The Associated Development

There are no anticipated direct effects to assets from the Associated Development.

7.4.3 Cumulative Assessment

The Proposed Development and the Associated Development

There are no predicted cumulative direct effects relating to the works from to the Proposed Development and the Associated Development as their respective footprints are not coincident on the same cultural heritage assets.

Other Projects

One project is considered for cumulative impact assessment, the High Constellation Wind Farm underground cable connection, that intersects the Proposed Development. The High Constellation Underground Cable project connects the proposed High Constellation Wind Farm substation to the Crossaig substation via a c. 400 m length of underground cable. This project will introduce new cumulative direct effects as a result of ground disturbance. However, this is considered negligible as the Project relates to an underground cable running through an area previously disturbed by plantation land use and the establishment of the Crossaig substation.

7.5 Mitigation

National planning policies and planning guidance, Scottish Planning Policy (SPP) (Scottish Government 2014) and PAN2/2011 Planning and Archaeology (Scottish Government 2011) apply. These require a mitigation response that takes account of the potential for archaeological remains within the site to be impacted upon, enabling the preservation or recording of any significant remains which may be present.

Although the potential for buried archaeological remains to be present is considered to be low, it cannot be discounted and consequently a programme to mitigate the effects of any direct impacts is recommended in accordance with national and local planning policies on heritage.

7.5.1 The Proposed Development

An archaeological watching brief is required for all ground-breaking works.

Any mitigation strategy developed should involve consultation with the West of Scotland Archaeological Service (WoSAS) as the regulatory authority, while concerns for designated assets necessitates consultation with Historic Environment Scotland (HES).

It is recommended that a second survey of the entirety of the substation platform and TWA is carried out prior to works commencing in order to assess design changes and the areas inaccessible during the initial survey, as a result of dense juvenile tree cover.

For the sites located within and immediately adjacent to the existing access track, fencing with a 5 m buffer should be placed around the asset during construction works:

- Kintyre, Cour: Enclosure (Period Unassigned) (extent identified by walkover) (CR_008)
- Allt Chaltuinn: Quarry (CR_022)
- Cruach A'bhodaidh: Quarry (CR_024)
- Braids: Dyke (CR_027) confirmed extent within access track land take, despite HER placing it 44 m away)
- Braids: Dyke (CR_029) (confirmed extent within access track land take, despite HER placing it 23 m away)
- Gortan an t-Sailleir: Field boundary c. 3 m from the Associated Development (CR_010)
- Deucheran Beag / Farachan Mill: Farmstead; Shieling (possible) c. 3 m from the Associated Development (CR_012)
- Deucheran Mor: Settlement c. 4 m from the Associated Development (CR_014)
- Cruach Na Naich: Quarry c. 6 m from the Associated Development (CR_021)

7.5.2 The Associated Development

An archaeological watching brief is required for all ground-breaking works.

7.6 Appraisal – Indirect Effects

In cultural heritage terms, an indirect impact refers to any change in the baseline condition of a heritage asset resulting from a development beyond the boundaries of the asset. Indirect impacts can have a variety of forms for instance if a development affects the water table, it could potentially damage the preservation of organic remains within buried archaeological contexts beyond its boundaries. However, the majority of indirect impacts result from changes to the setting of heritage assets, as a consequence of new development.

7.6.1 Proposed Development

An assessment has been undertaken of indirect impacts for Killean, The "Dolls' Houses" (LB43266) group asset (CR_033) to support addressing the consultation response (section 7.7.1), considering specifically setting effects.

CR_033 represents a grouped assets that includes: a remarkably distinguished group of four Arts and Crafts buildings housing workers on Killean Estate. Part of A group with school, steading and ruined medieval church and Killean House and lodge.

This group consists of ten features, of which nine are located on the eastern side of the A83 at Killean, while Killean House is located some 200m offset from the road to the southeast.

Killean House (LB12005) was "*Built for James Macalister Hall of Tangy and Killean, who purchased the estates in 1873 and 1875 respectively. The old house at Killean had stood on the site of the garden cottages and was burned whilst under reconstruction in 1875*", and derives value from its form, function and historical context. In addition, there is value derived from the connection to the other aspects of the estate, although these sightlines are well screened in in all directions. Its connection visually to The Dolls' Houses, is limited in scope and Utility of the view, implying it is not providing intrinsic value to the asset, or visa versa.

The Dolls' Houses are located at the bottom of a slope, with screening trees along the north-south ridge to their back in the east, with an open view to the west of flat agri-land extending to the water, and beyond to Cara Island and Gigha Island. Its siting is important spatially as a result of its connection to the Killean Estate cluster, as the most northerly set of buildings. There is an existing access track that roughly follows the course of the Killean Burn, which branches from the A83 c.80-100m north of The Dolls' Houses, and is well screened as the track ascends the incline behind the buildings.

This Dolls' Houses themselves derive significance from the form, historical function and estate-based connection of the Killean Estate, which includes the: *school, steading and ruined medieval church and Killean House and lodge*. Beyond the visible connections between buildings and the rural nature of the estate extending westwards, the asset does not derive value from its wider setting. As a result of this, no further or in-field assessment was deemed necessary.

The desk-based assessment has concluded that the Proposed Development will not introduce a new adverse effect as a result of changes to setting. It was not considered appropriate to conduct a full setting assessment supported by visualisations from the field for the following reasons:

- Desk-based review concluded no impact was anticipated;
- The large relative distance to the access track entrance (approximately 80 m from edge of northernmost building of the cluster (North Wing, North Range, The Dolls Houses);
- The presence of significant screening between the cluster of listed structures, and the existing use and entry to the access track; and
- The group of Listed Buildings only deriving value from setting in relation only to their own interconnectivity while otherwise only deriving value from their form and prior utilisation.

No setting impacts to any designated assets within 2 km of the Proposed Development area have been identified.

7.6.2 Associated Development

No setting impacts to any designated assets within 2 km of the Associated Development area have been identified.

7.6.3 Cumulative Assessment

The Proposed Development and the Associated Development

There are no predicted cumulative indirect effects to cultural heritage assets from the Proposed Development and the Associated Development.

Other Projects

Two projects are considered for cumulative impact assessment. The High Constellation Underground Cable project connects the proposed High Constellation Wind Farm substation to the Crossaig substation via a c. 400 m length of underground cable. Sheirdrim 132 kV overhead line connects the Crossaig Substation and the proposed Sheirdrim wind farm substation compound.

The projects will not introduce new cumulative indirect effects. High Constellation is an underground cable running through an area that has been previously disturbed by plantation land use and the establishment of the current substation in the area. No above ground elements will be present/visible once in operation. The Sheirdrim OHL will run adjacent to the Inveraray to Crossaig OHL. There will be no cumulative setting impacts to designated assets.

7.7 Summary of Effects

This chapter has assessed the likely effects of the Proposed and Associated Developments on cultural heritage assets (summary in **Table 7.1**). The archaeological character of the area primarily dates to the 18th to 21st centuries.

Along the existing access route for the Proposed Development there is a low potential for direct effects to be introduced to an enclosure (CR_008), two quarries (CR_022 and CR_024) and two dykes (CR_027 and CR_029) as maintenance and use of the track has potential to disturb buried remains. If works to the access track are required in these locations, with mitigation this will result in a minor adverse effect. If the works are limited to the track, then this will reduce to no effect.

Along the existing access route for the Proposed Development there is potential for low magnitude direct effects for a field boundary (CR_010), post-medieval settlement (CR_014), a farmstead (CR_012) and a quarry (CR_021) during potential access track improvements. If works to the access track are required in these locations, with mitigation this will result in a minor adverse effect.

No direct effects on known cultural heritage assets have been identified within the Associated Development.

No indirect effects to heritage assets have been identified in relation to either the Proposed Development or the Associated Development.

The potential for unknown buried archaeological remains to be present is considered to be low but cannot be discounted. Thus, a watching brief should be in place for all intrusive ground works.

Table 7-1 Appraisal of Cultural Heritage

Environmental Feature	Development Interaction	Mitigation Measures	Receptor sensitivity	Magnitude of effect	Significance of effect
Kintyre, Cour: Enclosure (Period Unassigned) (CR_008)	Direct during construction	Fencing and a watching brief is required for all ground works.	Low	Low	Minor
Deucheran Mor: Settlement (CR_014)	Direct during construction	A watching brief is required for all ground works.	Low	Low	Minor
Allt Chaltuinn: Quarry (CR_022)	Direct during construction	Fencing and a watching brief is required for all ground works	Low	Low	Minor
Cruach A'bhodaidh: Quarry (CR_024)	Direct during construction	Fencing and a watching brief is required for all ground works	Low	Low	Minor
Braids: Dyke (CR_027)	Direct during construction	Fencing and a watching brief is required for all ground works	Low	Low	Minor

Braids: Dyke (CR_029)	Direct during construction	Fencing and a watching brief is required for all ground works	Low	Low	Minor
Gortan an t-Sailleir: Field boundary (CR_010)	Direct during construction	Fencing and a watching brief is required for all ground works	Low	Low	Minor
Deucheran Beag / Farachan Mill: Farmstead; Shieling (possible) (CR_012)	Direct during construction	Fencing and a watching brief is required for all ground works	Low	Low	Minor
Cruach Na Naich: Quarry (CR_021)	Direct during construction	Fencing and a watching brief is required for all ground works	Low	Low	Minor
Killean, The "Dolls' Houses" group (LB43266)	Indirect during Construction	No action required. Maintain established screening and do not utilise the Killean estate for project work.	High	No impact	Negligible / None
Potential buried archaeological remains	Direct during construction	A watching brief is required for all ground works. Updated walkover survey of additional/previously inaccessible areas.	Unknown	Unknown	Unknown