



AQUIND Limited

APPENDIX 20.2

Heritage and Archaeological Impact Tables

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APPENDIX 20.2 HERITAGE AND ARCHAEOLOGY IMPACT TABLES

1.1 PREDICTED CONSTRUCTION STAGE ENVIRONMENTAL EFFECTS (PRIOR TO MITIGATION)

1.1.1.1 Note that the impact of the Proposed Development on possible later medieval and post-medieval buried agricultural remains, for which there is background potential is considered an insignificant effect and has been scoped out. Where there is evidence to suggest more significant remains, e.g. earthwork remnants of ridge and furrow cultivation, or cropmarks, this has been scoped in. The impact on isolated prehistoric flint tools has also been assessed as insignificant and has been scoped out.

Route Section	Receptor (Heritage Asset)	Potential	Heritage significance	Magnitude of change	Description of impact	Significance of environmental effect
1	Prehistoric activity and possibly burials	High	Medium or High, depending on nature and extent	Large	Topsoil removal and subsequent landscaping and construction activities (i.e. foundations, cut/fill earthwork, service trenches, construction compounds).	Major or Moderate Negative
	Roman settlement activity	Moderate	Medium or High, depending on nature and extent	Large		Major or Moderate Negative
	Cropmark evidence of a likely later medieval and/or post-medieval field	Moderate	Low to Medium, depending on	Large		Moderate or Minor Negative

	system visible as cropmarks		nature and extent			
2	Prehistoric activity	Uncertain, possibly moderate	Medium or High, depending on nature and extent	Large	Topsoil removal and subsequent construction activities (trench excavation, 6m working width, construction compounds)	Major or Moderate Negative
	Roman activity	Uncertain, possibly low to moderate	Medium or High, depending on nature and extent	Large		Major or Moderate Negative
3	Prehistoric activity	Uncertain, possibly moderate	Medium or High, depending on nature and extent	Large	Topsoil removal and subsequent landscaping and construction activities (including HDD areas)	Major or Moderate Negative
	Roman activity	Uncertain, possibly low to moderate	Medium or High, depending on nature and extent	Large		Major or Moderate Negative
4	Prehistoric activity, in particular Iron Age settlement	Moderate to High	Medium or High, depending on	Small	Localised impact from cable trench excavation, as the	Minor Negative

			nature and extent		Cable Route lies in a brownfield area (i.e. existing roads/urban areas)	
				Large	Impact from excavation for Joint Bays, where on open fields adjacent to road (JB11-17)	Moderate or Major Negative
	Roman settlement activity and remains of Roman road	Moderate to High	High or Very High	Small	Localised impact from cable trench excavation, as the Cable Route lies in a brownfield area (i.e. existing roads/urban areas)	Moderate Negative
				Large	Impact from excavation for Joint Bays, where on open fields adjacent to road (JB11-17)	Major Negative
	Early medieval burials	Localised, Moderate to high potential	High or Very High	Small	Localised impact from cable trench excavation	Moderate Negative
				Large	Excavation for JB areas.	Major Negative

5	Prehistoric activity	Moderate to High	Medium or High, depending on nature and extent	Small	Localised impact from cable trench excavation.	Minor Negative
				Large	Excavation for JB areas	Moderate Negative
	Roman activity	Uncertain, possibly low to moderate	Medium or High, depending on nature and extent	Small	Localised impact from cable trench excavation	Major Negative
				Large	Excavation for JB areas	Moderate Negative
6	Prehistoric activity	Uncertain, possibly low to moderate	Medium or High, depending on nature and extent	Small	Localised impact from cable trench excavation	Minor Negative
				Large	Excavation for JB areas	Major or Moderate Negative
	Roman activity	Uncertain, possibly low to moderate	Medium or High, depending on nature and extent	Small	Localised impact from cable trench excavation.	Minor Negative
				Large	Excavation for JB areas.	Moderate Negative

7	Palaeoenvironmental remains	Moderate	Low or medium	Small	Excavation for Joint Bays (JBs) where HDD would emerge.	Minor Negative
	Prehistoric activity	Uncertain, possibly moderate	Medium or High, depending on nature and extent	Small	Localised impact from cable trench excavation, where the Cable Route lies in a brownfield area (i.e. existing roads/urban areas)	Minor Negative
				Large	Excavation for JB areas (at HDD locations)	Moderate Negative
	Roman activity	Uncertain, possibly low to moderate	Medium or High, depending on nature and extent	Small	Localised impact from cable trench excavation	Minor Negative
				Large	Excavation for JB areas (at HDD locations)	Moderate Negative
	8	Palaeoenvironmental remains	Moderate	Low or medium	Small	Localised impact from cable trench excavation, Joint Bays and HDD.
Prehistoric activity relating to		Uncertain, possibly	Medium or High, depending on	Small	Localised impact from cable trench excavation	Minor Negative

	exploitation of intertidal resources.	low to moderate	nature and extent	Large	Excavation for JB areas where extending below made-ground (ie landfill)	Major of Moderate Negative
	Roman activity	Uncertain, Possibly low to moderate	Medium or High, depending on nature and extent	Small	Localised impact from cable trench excavation	Minor Negative
				Large	Excavation for JB areas where extending below made-ground (ie landfill)	Moderate Negative
9	Palaeoenvironmental remains	Moderate	Low or medium	Small	Localised impact from cable trench excavation and from JBs	Minor Negative
	Prehistoric activity relating to exploitation if intertidal resources.	Uncertain, possibly moderate	Medium or High, depending on nature and extent	Small	Localised impact from cable trench excavation	Minor Negative
				Large	Excavation for JB/HDD areas	Major or Moderate Negative
	Below ground remains associated with the early 19th	Uncertain, moderate	Medium of High,	Medium	Localised impact from cable trench	Minor or Moderate Negative

	century Portsmouth and Arundel Canal		Depending on nature and extent		excavation (all Sub options)	
10	Palaeoenvironmental remains	Moderate	Low or medium	Small	Excavation for Transitional Joint Bays (TJBs)	Minor Negative
	Prehistoric activity relating to exploitation of intertidal resources.	Low to moderate	Medium or High, depending on nature and extent	Small	Localised impact from cable trench excavation	Minor Negative
				Large	Excavation for TJB areas	Major or Moderate Negative
	Roman activity	Uncertain, possibly low to moderate	Medium or High, depending on nature and extent	Small	Localised impact from cable trench excavation	Minor Negative
				Large	Excavation for TJB areas	

1.2 PREDICTED OPERATIONAL STAGE ENVIRONMENTAL EFFECTS (PRIOR TO MITIGATION)

1.2.1.1 Note that Operational Stage effects would arise from permanent changes to the setting of above ground designated heritage assets due to the presence of the Proposed Converter Station in route Section 1. Since the Proposed Development/Cable Route is otherwise entirely below-ground, only those designated assets within the vicinity of the Converter Station have been assessed. Assets identified with a number (ie. A1, 2 etc) have detailed listing descriptions within Appendix 20.1.

Route Section	Receptor (Heritage Asset)	Heritage significance	Magnitude of change	Description of impact	Significance of environmental effect
1	Rookwood, Grade II* listed (A87)	Very High	Negligible	No significant impact on setting	None
	Granary 5 Metres West of Rockwood, Grade II listed (A125)	High	Negligible	No significant impact on setting	None
	Ludmore Cottages, Grade II listed (A1i)	High	Negligible	No significant impact on setting	None
	Barn Cottage, Grade II listed (A102)	High	Negligible	Barn Cottage has extensive views of the rural agricultural landscape. In the surrounding area, the hedgerows lining the roads and marking field boundaries are very dense and high which prevent many long-distance views over the landscape. It is not	None

Route Section	Receptor (Heritage Asset)	Heritage significance	Magnitude of change	Description of impact	Significance of environmental effect
				believed that Barn Cottage will have any views of the Converter Station.	
	Denmead Farm (3 Assets): Denmead Farmhouse (A101) Granary 20 Meters West of Denmead Farmhouse (A109) Cottage at Denmead Farm (A113)	High	Negligible	Due to further vegetation screening and some built structure screening from other farms it is not believed that the group of assets at Denmead Farm will have any views of the Converter Station.	None
	Little Denmead Farm and Bleak Cottage (3 Assets): Farmhouse at Little Denmead (A101) The Barn at Little Denmead (A101) Bleak Cottage (A93)	High	Negligible	The significance of the group of assets at Little Denmead Farm & Bleak Cottage are of high significance and their setting makes a moderate contribution to their significance. The distance and dense vegetation screening in the form of road and field boundaries prevents any views of the Converter Station.	None

Route Section	Receptor (Heritage Asset)	Heritage significance	Magnitude of change	Description of impact	Significance of environmental effect
	Stoneacre (A120)	High	Negligible	Stoneacre is a very well sheltered property, with vegetation enclosing the asset on all sides. This prevents any extensive views of the surrounding landscape and will also therefore prevent any views of the Converter Station.	Negligible
	Scotland (A117)	High	Small	Access directly up to Scotland Cottage was not possible on the day of the site visit as the road leading to the house is private and therefore assessment had to be made from further west down Dogkennel Lane. From here, views over the landscape were extensive due to the asset being based on an area of higher land. It is possible that the asset will have views of the Converter Station. Despite this, the distance between the asset	Minor Negative

Route Section	Receptor (Heritage Asset)	Heritage significance	Magnitude of change	Description of impact	Significance of environmental effect
				and the Converter Station will mean that impacts will be minimal and most rural views from Scotland will be retained.	
	Hinton Manor House (A141)	High	Negligible	Hinton Manor House is an enclosed asset, existing within its own boundary wall which has high vegetation screening. This prevents many views out towards the surrounding landscape. Additionally, screening on the west side of Hinton Manor Lane also prevents any views.	Negligible