

## ANNEX L

### Archaeology – site by site assessment of archaeological impacts and mitigation measures

#### Main reactor site

Impacts	Mitigation
Potential for waterlogged prehistoric settlement, potentially of major significance.  Spatial extent unknown, but potential settlement and riverine areas indicated by resistivity tomography. Needs testing through evaluation.	Proposed trenching for high potential areas plus further sampling required, in line with the Peat Strategy (now agreed). Further mitigation to be decided pending results of evaluation.  Offshore works will require input from Historic England regarding palaeo-environmental potential, and appropriate research and mitigation strategies.

**SSSI crossing**

Impacts	Mitigation
<p>Potential for buried surface archaeological deposits, including wet-zone activity, as well as palaeo-environmental remains.</p> <p>Potential for waterlogged prehistoric settlement, potentially of major significance.</p> <p>Spatial extent unknown. Needs testing through evaluation.</p>	<p>For surface archaeology, trial trenched evaluation and palaeo-environmental assessment required, subject to an agreed WSI, with mitigation as appropriate based upon the results.</p> <p>For deeper deposits, assessment required in line with the peat strategy (now agreed). Further mitigation to be decided pending results of evaluation.</p>

**Main site** (inc. water management/storage areas, cabling and Leiston sports pitches)

Impacts	Mitigation
<p>Various potential sites identified through cropmarks, LIDAR and geophysical survey and based upon known HER records, general moderate/high potential for settlement of all periods.</p> <p>Potential for upstanding earthworks to survive within woodland areas.</p> <p>Evaluation completed in some areas. Multi-period archaeology of local and regional significance has already been identified within the majority of fields which have already been subject to trenched evaluation, predominantly of prehistoric, Roman and medieval date.</p> <p>Final geophysics report for some parts of main site approved, with further draft survey reports submitted but requiring amendment and additional survey reports still pending.</p> <p>Draft trial trenched evaluation report for areas already subject to investigation still pending as only interim report submitted with the DCO.</p>	<p>Geophysical survey and trial trenched evaluation needs completing for all remaining areas of main site where this work is still pending.</p> <p>Metal detecting, walkover earthwork survey and trial trenching required for woodland areas. To be viable this will need to follow tree felling, but occur ahead of any de-stumping.</p> <p>A number of mitigation areas can already be defined on the basis of completed areas of trenching, but are still to be agreed.</p>

### **Pillbox field and Coronation Wood**

<b>Impacts</b>	<b>Mitigation</b>
Evaluation work completed. Medieval archaeology was recorded during evaluation at Pillbox field.	Mitigation strategy agreed for Pillbox field (either set piece excavation or preservation in situ pending a decision on final works plans for this site), draft WSI submitted to SCCAS but requires amendment.
Final geophysics report approved. Draft trial trenched evaluation report submitted as part of the DCO but requires amendment.	No further work required in Coronation Wood.

### **Eastlands Industrial Estate**

<b>Impacts</b>	<b>Mitigation</b>
Archaeological evaluation has now been completed and has identified prehistoric, Anglo Saxon and medieval heritage assets of local and regional significance which will require mitigation prior to development.	Mitigation strategy (a combination of set piece excavation and strip, map and record) agreed, draft WSI submitted to SCCAS but requires amendment.
Draft geophysical survey and trial trenched evaluation reports have been submitted as part of the DCO but both require amendment.	

### **Green Rail**

<b>Impacts</b>	<b>Mitigation</b>
Archaeological evaluation has now been completed and has identified prehistoric, Roman and medieval heritage assets of local and regional significance which will require mitigation prior to development.  Draft geophysical survey and trial trenched evaluation reports have been submitted as part of the DCO but both require amendment.	A number of mitigation areas can already be defined on the basis of the trial trenched evaluation but are still to be agreed.

### **Freight Management- Seven Hills**

<b>Impacts</b>	<b>Mitigation</b>
Two previously part-excavated Bronze Age barrows are situated within the site which require full excavation.  Trenching has defined a further possible ring ditch and other scattered probable prehistoric features. Draft trial trenched evaluation report submitted as part of the DCO but requires amendment.	A number of mitigation areas can already be defined on the basis of the trial trenched evaluation but are still to be agreed.

### **Park and Ride South- Wickham Market**

<b>Impacts</b>	<b>Mitigation</b>
<p>Direct impact as located on part of the site of known Roman small town at Hacheston – evaluation has confirmed that important archaeological remains associated with this site, as well as prehistoric and medieval remains, are present across the development area.</p> <p>The level of archaeological preservation, particularly to the south-west of Whin Belt, is very good.</p> <p>The site is arguably of national importance but has suffered considerable damage (A12 construction, intensive agriculture, metal detecting rallies). Evaluation has confirmed that the part of the site impacted upon by this development is not of schedulable quality, however, it will need full and thorough mitigation prior to development.</p> <p>Final geophysics report approved. Draft trial trenched evaluation report submitted as part of the DCO but requires amendment.</p>	<p>Mitigation strategy (a combination of set piece excavation and strip, map and record) agreed, draft WSI submitted to SCCAS but requires amendment.</p> <p>Full excavation is likely to take a significant time and site security is a key issue.</p>

**Park and Ride North- Darsham**

Impacts	Mitigation
<p>Archaeological evaluation has identified medieval activity fronting the A12 and scattered prehistoric and Roman features of local and regional significance which will require mitigation prior to development.</p> <p>Draft geophysical survey and trial trenched evaluation reports have been submitted as part of the DCO but both require amendment.</p>	<p>Mitigation strategy (set piece excavation) agreed, draft WSI submitted to SCCAS but requires amendment.</p>

**Sizewell link road**

Impacts	Mitigation
<p>No previous archaeological investigation in the vicinity therefore currently insufficient information to judge potential and impacts without further assessment.</p> <p>Evaluation completed in some areas. Multi-period archaeology of local and regional significance has already been identified within the majority of fields which have already been subject to trenched evaluation.</p> <p>Draft geophysical survey and trial trenched evaluation reports for areas already subject to investigation have been submitted as part of the DCO but both require amendment.</p> <p>The road route passes through the middle of the original extent of a historic parkland and will impact upon the setting of Theberton Hall and other listed buildings.</p>	<p>Geophysical survey and trial trenched evaluation needs completing for all remaining areas of main site where this work is still pending (including any compounds, water management areas, planting, landscaping etc).</p> <p>A number of mitigation areas can already be defined on the basis of completed areas of trenching but are still to be agreed.</p>



### Two village bypass

Impacts	Mitigation
<p>High potential for palaeo-environmental remains adjacent to rivers, and potential for archaeological activity on higher ground adjacent to the floodplain.</p> <p>Various potential sites identified through cropmarks and finds scatters, particularly of prehistoric and medieval date.</p> <p>In the one section of the route where trial trenched evaluation has been possible, prehistoric activity has been defined.</p> <p>Draft geophysical survey and trial trenched evaluation reports for areas already subject to investigation have been submitted for this area as part of the DCO but both require amendment.</p>	<p>Palaeo-environmental assessment required, alongside archaeological evaluation in the form of geophysical survey and trenched evaluation (including any compounds, flood compensation areas, water management, planting or landscaping areas).</p> <p>Evaluation to identify areas requiring preservation in situ or full excavation prior to development.</p> <p>An area requiring mitigation can already be defined in the section of the route which has been subject to trial trenched evaluation but is still to be agreed.</p>

**Yoxford/B1122 junction**

<b>Impacts</b>	<b>Mitigation</b>
Archaeological evaluation has identified prehistoric activity of local and regional significance which will require mitigation prior to development.  Draft geophysical survey and trial trenched evaluation reports have been submitted as part of the DCO but both require amendment.	An area requiring mitigation can already be defined on the basis of the trial trenched evaluation results but is still to be agreed.

**Fenland meadow sites**

<b>Impacts</b>	<b>Mitigation</b>
The location of these sites adjacent to rivers, alongside known archaeological records on the County HER in the vicinity, mean that they are high potential areas for archaeological activity.	Archaeological evaluation in the form of trial trenched evaluation, subject to an agreed WSI, is required.  Palaeo-environmental assessment will also be required in floodzone areas. Evaluation to identify areas requiring preservation in situ or full excavation prior to development.