

Annex 10
to Part 2 of Schedule 4

Landscape Requirements

1. General Requirements

1.1 The DBFO Co shall procure that the Landscape Architect has unrestricted access to the Site, Adjacent Areas and Off Site Planting Areas at all reasonable times and shall give due regard to any recommendation of the Landscape Architect in regard to any landscape surveys or inspections of the Site, Adjacent Areas or Off Site Planting Areas.

1.2 The DBFO Co shall carry out:

- 1.2.1 planting within the numbered areas identified on drawings numbered 964057/CPLA/101 to 117, 964057/CPLA/201 to 208 and 964057/CPLA/301 and 302 in Section 4 of Part 5 of Schedule 4.
- 1.2.2 planting within the areas identified on drawings numbered 498010/14a, 33, 38, 41, 42 and 53 in Section 9 of Part 5 of Schedule 4; and
- 1.2.3 regrading/landscape treatment in accordance with drawings numbered 964057/CNPLA/101 to 111, 964057/CNPLA/201 to 208 and 964057/CNPLA/301 to 303 in Section 3 of Part 5 of Schedule 4,

in accordance with this Annex 10:

1.3 For the purposes of this Annex 10:

- 1.3.1 the drawings referred to in paragraph 1.2.1 above shall be referred to as the **"Construction Planting Landscape Drawings"**;
- 1.3.2 the drawings referred to in paragraph 1.2.2 above shall be referred to as the **"Off Site Planting Drawings"**;
- 1.3.3 the drawings referred to in paragraph 1.2.3 above shall be referred to as the **"Construction Non-Planting Landscape Drawings"**;
- 1.3.4 any area identified on the Construction Planting Landscape Drawings within which planting is required to be carried out shall be referred to as a **"Construction Planting Landscape Area"** and **"Construction Planting Landscape Areas"** shall be construed accordingly;
- 1.3.5 any area identified on the Off Site Planting Drawings within which planting is required to be carried out shall be referred to as an **"Off Site Planting Area"** and **"Off Site Planting Areas"** shall be construed accordingly;
- 1.3.6 any area identified on the Construction Non-Planting Landscape Drawings within which regrading/landscape treatment works are to be carried out shall be referred to as a **"Construction Non-Planting Landscape Area"** and **"Construction Non-Planting Landscape Areas"** shall be construed accordingly;

- 1.3.7 the Works the DBFO Co is required to carry out pursuant to paragraph 1.2 above shall be referred to as the "**Landscape Works**";
- 1.3.8 "**Landscape Function**" and "**Landscape Element**" each have the meaning given in Part 2 of Schedule 6; and
- 1.3.9 "**Ecological Area**" means any area within which Relevant Ecological Interests (as defined in Annex 11) are located but excluding any area within which Lost Ecological Interests (as defined in Annex 11) are located.
- 1.4 The Landscape Works (other than the Landscape Works relating to the Off Site Planting Areas) shall:
 - 1.4.1 be carried out so as to procure that the Landscape Functions attributed to each Construction Planting Landscape Area are capable of being achieved; and
 - 1.4.2 without prejudice to paragraph 1.4.1 above and subject to the provisions of Annex 11, be carried out so as to procure that each Construction Planting Landscape Area contains the Landscape Elements (and only the Landscape Elements) attributed to such Construction Planting Landscape Area.
- 1.5 For the purposes of this Annex 10:
 - 1.5.1 the Landscape Functions attributed to each Construction Planting Landscape Area shall be as shown in the Column entitled Landscape Function opposite the reference to such Construction Planting Landscape Area in the relevant table in Appendix 4 to this Annex 10 and as described in paragraphs 1.6, 1.7 and 1.8A below; and
 - 1.5.2 the Landscape Elements attributed to each Construction Planting Landscape Area shall be as shown in the column entitled Landscape Element opposite the reference to such Construction Planting Landscape Area in the relevant table in Appendix 4 to this Annex 10.
- 1.6 Where any Construction Planting Landscape Area has more than one Landscape Function attributed to it in the column entitled Landscape Function in the relevant table in Appendix 4 to this Annex 10 and paragraph 1.8A below then each of such Landscape Functions shall be deemed to be primary functions of equal importance.
- 1.7 Without prejudice to paragraph 1.6 above:
 - 1.7.1 and subject to paragraph 1.8A below, where any Construction Planting Landscape Area is in a rural area, Landscape Functions LFB and LFD (as defined in Annex 7/3 to Part 2 of Schedule 6) shall apply to such area (notwithstanding that such Landscape Functions are not identified in the column entitled Landscape Function in the relevant table in Appendix 4 to this Annex 10) save that they shall be deemed to be Secondary Functions; and
 - 1.7.2 where any Construction Planting Landscape Area is in an urban area, Landscape Function LFC (as defined in Annex 7/3 to Part 2 of Schedule 6) shall apply to such area (notwithstanding that such Landscape Function is not identified in the column entitled Landscape Function in the relevant table in

Appendix 4 to this Annex 10) save that it shall be deemed to be a Secondary Function.

- 1.8 For the purposes of paragraph 1.7, "**Secondary Function**" means a Landscape Function which shall be achieved as far as possible without prejudicing the achievement of the primary Landscape Functions identified in the column entitled Landscape Function in the relevant table in Appendix 4 to this Annex 10.
- 1.8A Landscape Function LFD (as defined in Annex 7/3 to Part 2 of Schedule 6) shall apply to all Ecological Areas and shall be deemed to be a primary function.
- 1.9 Subject to paragraph 1.11 below, the DBFO Co shall not carry out any Landscape Works within a part of the Construction Planting Landscape Areas, Off Site Planting Areas or the Construction Non-Planting Landscape Areas until it has submitted to the Department's Agent a design for the carrying out of the Landscape Works within that area ("**Landscape Design**") together with a Landscaping Certificate 1 and there has been no objection to the same in accordance with the Review Procedure. The Department's Agent may comment on a Landscape Design and the accompanying Landscaping Certificate 1 on the grounds that the Landscape Design:
 - 1.9.1 is not consistent with the outline management strategy set out in Appendix 1 to this Annex 10;
 - 1.9.2 does not comply with the Core Construction Requirements;
 - 1.9.3 does not comply with the Construction Requirements; or
 - 1.9.4 does not comply with Good Industry Practice.
- 1.10 Each Landscape Design shall, without limitation, comply with the provisions of Appendix 2 to this Annex 10.
- 1.11 The DBFO Co may only carry out Landscape Works within a Construction Planting Landscape Area, Off Site Planting Area or Construction Non-Planting Landscape Area if there is a Landscape Design for such area to which there has been no objection in accordance with the Review Procedure.
- 1.12 The DBFO Co shall carry out and comply with the terms of any Landscape Design to which there has been no objection in accordance with the Review Procedure.
- 1.13 Without prejudice to paragraph 1.12 above, the Landscape Works relating to the Off Site Planting Areas shall be carried out in accordance with the drawings identified in paragraph 1.2.2 of this Annex 10.
- 1.14 The Off Site Planting Areas shall be deemed to be Temporary Adjacent Areas whether or not shown as such on the drawings referred to in the definition of Temporary Adjacent Areas, provided that the DBFO Co shall be responsible for arranging the timing and manner of access to such areas.
- 1.15 Planting carried out as part of the Landscape Works shall be carried out in accordance with the provisions set out in Appendix 3 to this Annex 10 unless otherwise set out in a Landscape Design or Ecological Design (as defined in Annex 11) to which there has been no objection in accordance with the Review Procedure.

- 1.16 The DBFO Co shall submit a Landscaping Certificate 2 to the Department's Agent in accordance with the Design and Certification Procedure upon the completion within a Construction Planting Landscape Area, Off Site Planting Area or Construction Non-Planting Landscape Area of all the Landscape Works required to be carried out pursuant to this Annex 10 in respect of that area.
- 1.17 Without prejudice to the requirements of this Annex 10, upon the planting in respect of a Construction Planting Landscape Area or Off Site Planting Area having been carried out, that Construction Planting Landscape Area or Off Site Planting Area and the plants within it shall be managed in accordance with the provisions of Section 7 to Part 2 of Schedule 6.
- 2. Scheme Specific Landscape Requirements**
- 2.1 Bankside vegetation destroyed or damaged during the construction of the New Road shall be restored using local seed stock.
- 2.2 Plant stock and other proposed vegetation shall be indigenous native species obtained from the biogeographical region in which the Project Road is situated, taking into account the advice of the Countryside Council for Wales, the Local Authority (Local Biodiversity interests), the Forestry Authority, and other public or private nature conservation interests on the availability of locally indigenous species.
- 2.3 Plant material shall be of native species which grow locally (but shall exclude cultivars of native species) and plant mixes shall have a species composition which is characteristic of species within the relevant area, except that such non-native species or cultivars of native species may be used where:
- 2.3.1 non-native species or cultivars of native species form an important characteristic of the landscape or townscape of the relevant area; or
- 2.3.2 non-native species are to be used as nurse species which will be removed and not form part of the permanent planting within the relevant area.
- 2.4 Where herbaceous perennials, wild flower plugs or marginal and aquatic plants are to be planted, they shall be genetically compatible with similar plants of UK seed origin.
- 2.5 Freestanding walls shall be of masonry using the same type of stone and laying patterns found in the immediate locality.
- 2.6 In preparing the Landscape Designs for the Construction Planting Landscape Areas and Construction Non-Planting Landscape Areas shown on drawing 964057/CPLA/302 in Section 4 of Part 5 of this Schedule 4 and 964057/CNPLA/302 in Section 3 of Part 5 of this Schedule 4 respectively, the DBFO Co shall consult the local authority.
- 2.7 Paving and street furniture, including, without limitation, bollards, railings and tree grills, within the Construction Non-Planting Landscape Areas identified on drawing 964057/CNPLA/302 in Section 3 of Part 5 of this Schedule 4 shall be compatible with similar features in the locality.
- 2.8 Where extra heavy standard trees are provided outside planting beds, they shall be pit planted with tree grids.

- 2.9 Regrading/landscaping treatments shown on the construction Non-Planting Landscape Drawings have the following meanings:
- 2.9.1 "**Special Treatment to Cuttings**" means cutting slopes which shall be graded back beyond the natural angle of repose of the bedrock/parent material in order to blend the cutting landform with adjacent slopes and avoid an angular edge to the top of the cutting.
- 2.9.2 "**Embankment/Cutting Regrading**" means embankments or cuttings which shall be constructed at shallower slopes than engineering requirements and which cover the whole of the area shaded with the intention of blending into the surrounding landform and which do not have a uniform crest to the top of the slope, nor a uniform longitudinal section.
- 2.10 The DBFO Co shall carry out Landscape Works to achieve Landscape Functions LFC and LFF on the site of the public conveniences demolished pursuant to paragraph 10 of Annex 1 to Part 1 of Schedule 4.

**Appendix 1 to Annex 10
to Part 2 of Schedule 4**

Landscape Requirements - Outline Management Strategy

To be provided by the DBFO Co pursuant to paragraphs 8 and 10 of Part 3 of Schedule 7.

**Appendix 2 to Annex 10
to Part 2 of Schedule 4**

Contents of Landscape Design

Each Landscape Design shall be set out on drawings at a scale sufficient to show clearly:

1. the Construction Planting Landscape Areas, the Off Site Planting Areas and the Construction Non-Planting Landscape Areas;
2. any grading and shaping of side slopes of existing and proposed cuttings, embankments and earth mounds and the height of any earth moundings;
3. any treatment of redundant carriageways;
4. the position and appearance of relevant signs, lighting, gantries and other street furniture;
5. the vertical and horizontal alignment of the Project Road;
6. the treatment of any central reserves;
7. the design and appearance of hard landscape features including, without limitation, structures, retaining walls, reinforced embankments and environmental barriers;
8. any Retained Existing Vegetation or Marked Existing Vegetation (both as defined in Annex 9);
9. any Retained Ecological Interests, Mitigated Ecological Interests or Habitat Creation Works (all as defined in Annex 11);
10. any drainage features and access or proposed access to the same;
11. the type of species to be planted within each Construction Planting Landscape Area or Off Site Planting Area;
12. the number of plants to be planted within each Construction Planting Landscape Area or Off Site Planting Area;
13. the spacing of the plants to be planted within each Construction Planting Landscape Area or Off Site Planting Area; and
14. the specification of the plants to be planted within each Construction Planting Landscape Area or Off Site Planting Area.
15. the specification of planting operations within each Construction Planting Landscape Area or Off Site Planting Area including, without limitation, site preparation, fencing, shelters and protection.

**Appendix 3 to Annex 10
to Part 2 of Schedule 4**

(Not Used)

**Appendix 4 to Annex 10
to Part 2 of Schedule 4**

Drawing numbered 964057/CPLA/101 in Section 4 of Part 5 of this Schedule 4

Construction Planting Landscape Area	Landscape Function	Landscape Element
1.	LFA	LE2.4
	LFB	
2.	LFA	LE2.4
	LFB	
2A.	LFA	LE2.1
3.	LFB	LE1.17
4.	LFB	LE1.17
5.	LFA	LE7.1
	LFB	
6.	LFA	LE4.2
	LFB	
7.	LFD	LE1.13
8.	LFB	LE1.7
8A.	LFA	LE2.4
	LFB	
9.	LFA	LE7.1
	LFB	
10.	LFD	LE1.13
11.	LFA	LE4.3
	LFB	
12.	LFB	LE1.17
13.	LFB	LE1.17
14.	LFB	LE2.2

Drawing numbered 964057/CPLA/102 in Section 4 of Part 5 of this Schedule 4

Construction Planting Landscape Area	Landscape Function	Landscape Element
1.	LFD	LE1.13
2.	LFA	LE4.2
	LFB	
3.	LFA	LE2.1
	LFB	
4.	LFB	LE4.3
5.	LFA	LE2.1
	LFB	
6.	LFA	LE7.1
	LFB	
7.	LFD	LE1.13
8.	LFA	LE2.4
9.	LFA	LE7.1
	LFB	
10.	LFD	LE1.13
11.	LFA	LE4.2
	LFB	
12.	LFA	LE2.1
13.	LFD	LE1.13
14.	LFA	LE4.3
15.	LFA	LE7.1
	LFB	
16.	LFB	LE1.7
17.	LFA	LE7.1
	LFB	
18.	LFD	LE1.13
	LFE	
19.	LFA	LE2.1
20.	LFA	LE2.1
	LFB	
21.	LFB	LE2.1
22.	LFA	LE2.1
	LFB	
23.	LFB	LE1.7

Construction Planting Landscape Area	Landscape Function	Landscape Element
24.	LFD	LE1.13
25.	LFA	LE7.1
	LFB	

Drawing numbered 964057/CPLA/103 in Section 4 of Part 5 of this Schedule 4

Construction Planting Landscape Area	Landscape Function	Landscape Element
1.	LFB	LE1.7
2.	LFA	LE7.1
	LFB	
3.	LFD	LE1.13
	LFE	
4.	LFD	LE1.13
	LFE	
5.	LFB	LE7.1
6.	LFB	LE1.7
7.	LFB	LE1.7
8.	LFB	LE1.7
9.	LFA	LE7.1
	LFB	
10.	LFD	LE1.13
11.	LFD	LE1.13
	LFE	
12.	LFB	LE7.1
13.	LFD	LE1.13
	LFE	
14.	LFD	LE1.13
	LFE	
15.	LFB	LE1.17
16.	LFB	LE1.7
17.	LFB	LE7.1
18.	LFB	LE4.3
19.	LFB	LE1.7
20.	LFD	LE1.13
21.	LFD	LE1.13
	LFE	
22.	LFB	LE7.1

Drawing numbered 964057/CPLA/104 in Section 4 of Part 5 of this Schedule 4

Construction Planting Landscape Area	Landscape Function	Landscape Element
1.	LFA LFB	LE7.1
2.	LFD LFE	LE1.13
3.	LFB	LE1.7
4.	LFB	LE4.2
5.	LFB	LE7.1
6.	LFB	LE1.7
7.	LFA LFB	LE2.4
8.	LFA LFB	LE4.3
9.	LFB	LE1.7
10.	LFA LFB	LE4.3
11.	LFA LFB	LE2.4
12.	LFA LFB	LE2.4
13.	LFD LFE	LE2.6
14.	LFB LFD	LE2.2
15.	LFD LFF	LE2.13
16.	LFA LFB	LE2.2
17.	LFB	LE1.17
18.	LFB	LE4.3
19.	LFD	LE2.13
20.	LFB LFD	LE2.2
21.	LFD LFE	LE1.17

Construction Planting Landscape Area	Landscape Function	Landscape Element
22.	LFB	LE2.4
23.	LFB	LE4.3
24.	LFA	LE2.4
	LFB	
25.	LFA	LE4.2
	LFB	
26.	LFA	LE2.4
	LFB	
27.	LFB	LE4.3
28.	LFB	LE1.7
29.	LFB	LE4.3
30.	LFB	LE4.3
31.	LFB	LE7.1
32.	LFD	LE1.13
	LFE	

Drawing numbered 964057/CPLA/105 in Section 4 of Part 5 of this Schedule 4

Construction Planting Landscape Area	Landscape Function	Landscape Element
1.	LFD	LE2.13
	LFF	
2.	LFB	LE4.3
3.	LFA	LE2.2
	LFB	
4.	LFB	LE4.2
5.	LFB	LE1.17
6.	LFB	LE7.1
7.	LFB	LE1.17
8.	LFB	LE4.2
9.	LFA	LE2.1
	LFB	
	LFD	
10.	LFB	LE7.1
10A.	LFB	LE1.17
11.	LFA	LE2.1
12.	LFB	LE1.17
13.	LFB	LE1.7
14.	LFB	LE1.7
15.	LFB	LE1.7
16.	LFA	LE7.1
	LFB	
17.	LFD	LE6.3
18.	LFB	LE1.7
19.	LFB	LE4.2
20.	LFB	LE1.7
21.	LFA	LE2.1
22.	LFA	LE2.1
23.	LFA	LE2.1
	LFB	
23A.	LFB	LE1.17
24.	LFA	LE2.1
	LFB	
25.	LFA	LE2.1

Construction Planting Landscape Area	Landscape Function	Landscape Element
	LFB	
	LFD	
26.	LFB	LE1.7
27.	LFB	LE1.17
28.	LFB	LE4.2
29.	LFA	LE2.2
	LFB	
30.	LFB	LE4.2
31.	LFB	LE1.17

Drawing numbered 964057/CPLA/106 in Section 4 of Part 5 of this Schedule 4

Construction Planting Landscape Area	Landscape Function	Landscape Element
1.	LFB	LE1.7
2.	LFD	LE6.3
3.	LFB	LE1.7
4.	LFA	LE7.1
	LFB	
5.	LFA	LE7.1
	LFB	
6.	LFB	LE1.7
7.	LFD	LE6.3
8.	LFB	LE1.7
9.	LFB	LE1.17
10.	LFB	LE1.17
11.	LFB	LE1.7
12.	LFD	LE6.3
13.	LFB	LE1.7
14.	LFB	LE1.7
15.	LFB	LE2.4
16.	LFD	LE1.13
17.	LFB	LE1.13
	LFD	
18.	LFB	LE1.7
19.	LFB	LE4.2
20.	LFB	LE4.2
21.	LFB	LE1.7

Drawing numbered 964057/CPLA/107 in Section 4 of Part 5 of this Schedule 4

Construction Planting Landscape Area	Landscape Function	Landscape Element
3.	LFB	LE1.13
5.	LFB	LE1.7
6.	LFA	LE2.5
	LFB	
8.	LFB	LE4.2
9.	LFB	LE4.2
12.	LFA	LE2.5
	LFB	
	LFD	
14.	LFB	LE1.17
15.	LFB	LE1.7
16.	LFA	LE2.5
	LFB	
17.	LFA	LE2.5
	LFB	
18.	LFA	LE4.3
	LFB	
19.	LFD	LE1.13
20.	LFB	LE1.7
21.	LFA	LE4.3
	LFB	
21A.	LFA	LE4.3
	LFB	
21B.	LFA	LE4.3
	LFB	
22.	LFA	LE2.4
	LFB	
23.	LFA	LE2.4
	LFB	
24.	LFA	LE4.3
	LFB	
25.	LFB	LE1.13
26.	LFB	LE7.1
27.	LFA	LE4.3

Construction Planting Landscape Area	Landscape Function	Landscape Element
	LFB	
28.	LFB	LE1.13
29.	LFA	LE2.4
30.	LFA	LE2.4
	LFB	
31.	LFA	LE4.3
	LFB	
32.	LFA	LE2.5
33.	LFB	LE1.7
34.	LFA	LE2.5
35.	LFA	LE4.3
	LFB	
36.	LFD	LE1.13
37.	LFA	LE2.5
38.	LFB	LE1.17
40.	LFA	LE2.5
42.	LFB	LE1.17
44.	LFA	LE2.5
	LFB	
45.	LFA	LE2.5
48.	LFA	LE2.5
49.	LFA	LE2.5
	LFB	
50.	LFD	LE6.1
51.	LFD	LE1.13
52.	LFA	LE2.5
53.	LFA	LE2.5
	LFB	
54.	LFA	LE2.5
	LFB	
55.	LFB	LE1.8

Drawing numbered 964057/CPLA/107 in Section 4 of Part 5 of this Schedule 4

The following areas with a suffix "P" are to be planted and established only, as described in paragraph 7.17 of Section 7 of Part 2 of Schedule 6.

Construction Planting Landscape Area	Landscape Function	Landscape Element
1P	LFB	LE1.7
2P	LFB	LE1.7
4P	LFB	LE1.17
7P	LFB	LE1.7
10P	LFB	LE1.7
11P	LFB	LE1.7
13P	LFB	LE1.7
39P	LFB	LE1.7
41P	LFB	LE1.7
43P	LFB	LE1.7
46P	LFB	LE1.7
47P	LFB	LE1.7

Drawing numbered 964057/CPLA/108 in Section 4 of Part 5 of this Schedule 4

Construction Planting Landscape Area	Landscape Function	Landscape Element
1.	LFD	LE1.13
	LFA	
2.	LFB	LE7.1
3.	LFB	LE1.7
4.	LFA	LE4.3
	LFB	
5.	LFD	LE1.13
	LFE	
6.	LFA	LE2.4
	LFB	
7.	LFD	LE1.13
	LFE	
8.	LFA	LE7.1
	LFB	
8A.	LFA	LE7.1
	LFB	
9.	LFB	LE7.1
10.	LFB	LE1.17
11.	LFB	LE7.1
12.	LFA	LE7.1
	LFB	
13.	LFB	LE1.17
14.	LFD	LE1.13
	LFE	
15.	LFA	LE4.3
16.	LFA	LE7.1
	LFB	
17.	LFD	LE1.13
	LFE	
18.	LFA	LE4.3
	LFB	
19.	LFB	LE7.1
20.	LFA	LE2.1
	LFB	

Construction Planting Landscape Area	Landscape Function	Landscape Element
21.	LFB	LE7.1
22.	LFD	LE1.13

Drawing numbered 964057/CPLA/109 in Section 4 of Part 5 of this Schedule 4

Construction Planting Landscape Area	Landscape Function	Landscape Element
1.	LFB	LE7.1
2.	LFB	LE7.1
3.	LFB	LE1.17
4.	LFA	LE7.1
	LFB	
5.	LFB	LE7.1
6.	LFD	LE1.13
	LFE	
7.	LFB	LE1.7
8.	LFB	LE1.7
9.	LFB	LE1.13
	LFD	
	LFE	
10.	LFA	LE4.3
	LFB	
10A.	LFA	LE7.1
	LFB	
11.	LFB	LE7.1
12.	LFB	LE7.1
13.	LFB	LE1.17
14.	LFB	LE7.1
15.	LFD	LE6.1
16.	LFA	LE7.1
	LFB	
17.	LFD	LE1.17
18.	LFB	LE7.1
19.	LFB	LE1.17
20.	LFB	LE1.13
	LFD	
	LFE	
21.	LFA	LE4.3
	LFB	
22.	LFB	LE1.17
23.	LFB	LE7.1

Construction Planting Landscape Area	Landscape Function	Landscape Element
24.	LFB	LE1.17
25.	LFB	LE7.1
26.	LFB	LE4.3
27.	LFD	LE1.13
	LFE	
28.	LFB	LE1.17
29.	LFA	LE7.1
30.	LFA	LE7.1
	LFB	
31.	LFB	LE1.17
32.	LFB	LE7.1
33.	LFB	LE1.17

Drawing numbered 964057/CPLA/110 in Section 4 of Part 5 of this Schedule 4

Construction Planting Landscape Area	Landscape Function	Landscape Element
1.	LFB	LE1.17
2.	LFA	LE7.1
	LFB	
3.	LFB	LE1.13
	LFE	
4.	LFA	LE2.4
	LFB	
5.	LFB	LE7.1
6.	LFB	LE7.1
7.	LFA	LE2.4
	LFB	
8.	LFD	LE1.13
9.	LFA	LE7.1
	LFB	
10.	LFB	LE1.7
11.	LFB	LE1.7
12.	LFB	LE7.1
13.	LFD	LE1.13
14.	LFB	LE7.1
15.	LFB	LE1.7
16.	LFB	LE7.1
17.	LFB	LE1.7
18.	LFA	LE7.1
	LFB	
19.	LFD	LE1.13
20.	LFB	LE1.7
21.	LFA	LE4.3
22.	LFD	LE1.13
23.	LFB	LE4.3
24.	LFB	LE4.3
25.	LFA	LE2.4
	LFB	
	LFB	
26.	LFB	LE1.13

Construction Planting Landscape Area	Landscape Function	Landscape Element
	LFE	
27.	LFB	LE7.1
28.	LFB	LE4.3
29.	LFB	LE1.17
30.	LFB	LE1.17

Drawing numbered 964057/CPLA/111 in Section 4 of Part 5 of this Schedule 4

Construction Planting Landscape Area	Landscape Function	Landscape Element
1.	LFB	LE1.7
2.	LFB	LE1.7
3.	LFA	LE7.1
	LFB	
4.	LFD	LE1.13
	LFE	
5.	LFB	LE1.17
6.	LFD	LE1.13
7.	LFA	LE4.3
	LFB	
8.	LFB	LE1.17
9.	LFA	LE7.1
	LFB	
10.	LFD	LE1.13
	LFE	
11.	LFB	LE1.7
12.	LFB	LE1.7
13.	LFB	LE1.7
13A.	LFA	LE7.1
	LFB	

Drawing numbered 964057/CPLA/112 in Section 4 of Part 5 of this Schedule 4

Construction Planting Landscape Area	Landscape Function	Landscape Element
1.	LFD	LE1.13
2.	LFA	LE4.3
	LFB	
3.	LFA	LE2.1
	LFB	
4.	-	Not Used.
5.	LFB	LE7.1
6.	LFB	LE7.1
7.	LFB	LE4.3
8.	LFB	LE1.7
9.	LFA	LE2.1
	LFB	
10.	LFD	LE1.13
11.	LFB	LE1.7
12.	LFB	LE1.12
	LFD	
13.	LFA	LE2.1
	LFB	
14.	LFA	LE7.1
	LFB	
15.	LFD	LE1.13
	LFE	
16.	LFB	LE1.7
17.	LFA	LE2.1
18.	LFB	LE1.7
19.	LFA	LE2.1
20.	LFB	LE7.1
21.	LFB	LE7.1
22.	LFA	LE2.1
	LFB	
	LFD	
23.	LFB	LE1.17
24.	LFD	LE1.13
	LFE	

Construction Planting Landscape Area	Landscape Function	Landscape Element
25.	LFA LFB	LE7.1
26.	LFA LFB	LE2.1
27.	-	Not Used
28.	LFB	LE7.1
29.	LFB	LE7.1
30.	LFA LFB LFD	LE2.1
31.	LFD LFE	LE1.13
32.	LFA LFB	LE7.1
33.	LFA LFD	LE2.1
34.	LFA LFB	LE7.1
35.	LFB	LE1.7
36.	LFA LFB	LE2.1
37.	LFA LFB LFD	LE2.1
38.	LFD	LE1.13
39.	LFA LFB	LE4.3

Drawing numbered 964057/CPLA/113 in Section 4 of Part 5 of this Schedule 4

Construction Planting Landscape Area	Landscape Function	Landscape Element
1.	LFB	LE7.1
2.	LFD	LE1.13
	LFE	
3.	LFB	LE1.17
4.	LFB	LE7.1
5.	LFB	LE1.17
6.	LFB	LE7.1
7.	LFB	LE1.17
8.	LFB	LE1.13
9.	LFB	LE6.4
	LFD	
10.	LFB	LE1.7
11.	LFA	LE4.3
	LFB	
12.	LFD	LE1.13
	LFE	
13.	LFD	LE1.13
	LFE	
14.	LFA	LE4.3
	LFB	
15.	LFB	LE1.17
16.	LFB	LE7.1
17.	LFB	LE1.17
18.	LFB	LE7.1
19.	LFB	LE1.17
20.	LFB	LE4.3
21.	LFB	LE1.17
22.	LFB	LE1.13
	LFD	
23.	LFA	LE7.1
	LFB	
24.	LFD	LE1.13

Drawing numbered 964057/CPLA/114 in Section 4 of Part 5 of this Schedule 4

Construction Planting Landscape Area	Landscape Function	Landscape Element
1.	LFD	LE1.13
	LFE	
2.	LFB	LE1.17
3.	LFB	LE7.1
4.	LFB	LE1.17
5.	LFA	LE1.17
	LFB	
6.	LFB	LE1.12
	LFD	
7.	LFB	LE7.1
8.	LFB	LE1.17
9.	LFB	LE1.17
10.	LFA	LE2.1
	LFD	
11.	LFD	LE1.13
	LFE	
12.	LFA	LE7.1
	LFD	
13.	LFB	LE1.17
14.	LFB	LE7.1
15.	LFB	LE1.7
16.	LFD	LE1.13
17.	LFB	LE6.1
	LFD	
17A.	LFB	LE1.17
18.	LFB	LE7.1
19.	LFB	LE1.7
20.	LFB	LE1.7
21.	LFB	LE7.1
22.	LFD	LE1.13
	LFE	
23.	LFB	LE2.1
24.	LFA	LE7.1
	LFB	

Construction Planting Landscape Area	Landscape Function	Landscape Element
25.	LFB	LE2.1
26.	LFB	LE2.1
27.	LFD	LE1.13
	LFE	
28.	LFB	LE1.17
29.	LFB	LE1.17
30.	LFB	LE2.1
31.	LFB	LE1.17
32.	LFA	LE4.3
	LFB	
33.	LFD	LE1.13
	LFE	

Drawing numbered 964057/CPLA/115 in Section 4 of Part 5 of this Schedule 4

Construction Planting Landscape Area	Landscape Function	Landscape Element
1.	LFB	LE7.1
2.	LFB	LE1.13
	LFD	
	LFE	
3.	LFA	LE4.3
	LFB	
4.	LFB	LE2.4
5.	LFD	LE1.13
	LFE	
6.	LFA	LE2.4
	LFB	
8.	LFB	LE4.3
9.	LFA	LE4.3
	LFB	
12.	LFA	LE2.4
	LFB	
13.	LFD	LE1.13
	LFE	
14.	LFB	LE1.17
15.	LFB	LE1.17
16.	LFA	LE4.3
	LFB	
17.	LFD	LE1.13
	LFE	
18.	LFA	LE2.4
	LFB	
19.	LFB	LE1.17
20.	LFA	LE4.3
	LFB	
21.	LFD	LE1.17
22.	LFB	LE1.17
23.	LFD	LE1.17
24.	LFD	LE6.4
25.	LFD	LE1.13

Construction Planting Landscape Area	Landscape Function	Landscape Element
26.	LFE	LE2.4
	LFA	
	LFB	
27.	LFB	LE1.13
	LFD	
	LFE	
28.	LFB	LE7.1
29.	LFD	LE1.13

The following plots with a suffix "P" on 96407/CPLA/107 are to be planted and established only, as paragraph 7.1.7 of Section 7 of Part 2 of Schedule 6.

Construction Planting Landscape Area	Landscape Function	Landscape Element
7P	LFB	LE1.7
10P	LFB	LE1.7
11P	LFB	LE1.7

Drawing numbered 964057/CPLA/116 in Section 4 of Part 5 of this Schedule 4

Construction Planting Landscape Area	Landscape Function	Landscape Element
1.	LFB	LE1.7
2.	LFA	LE4.3
	LFB	
3.	LFD	LE1.13
	LFE	
4.	LFB	LE1.17
5.	LFB	LE7.1
6.	LFA	LE7.1
	LFB	
7.	LFB	LE1.17
8.	LFD	LE6.4
9.	LFD	LE6.4
10.	LFB	LE1.7
11.	LFA	LE7.1
	LFB	
12.	LFB	LE1.17
13.	LFD	LE1.13
	LFE	
14.	LFA	LE4.3
	LFB	
15.	LFB	LE1.17

Drawing numbered 964057/CPLA/117 in Section 4 of Part 5 of this Schedule 4

Construction Planting Landscape Area	Landscape Function	Landscape Element
1.	LFD	LE6.4
2.	LFB	LE1.13
	LFD	
	LFE	
3.	LFB	LE4.2
4.	LFA	LE2.4
	LFB	
5.	LFA	LE4.3
	LFB	
6.	LFB	LE1.7
7.	LFB	LE4.3
8.	LFB	LE1.7
9.	LFA	LE4.3
10.	LFA	LE4.3
11.	LFB	LE1.7
12.	LFD	LE6.1
13.	LFA	LE2.5
	LFB	
	LFD	
14.	LFA	LE4.3
15.	LFB	LE1.7
16.	LFB	LE1.7
17.	LFA	LE4.3
	LFB	
18.	LFB	LE1.7
19.	LFA	LE4.3
	LFB	
20.	LFB	LE4.2
21.	LFB	LE4.2
22.	LFA	LE2.1
23.	LFB	LE1.7
24.	LFB	LE1.7
25.	LFA	LE4.3
	LFB	

Construction Planting Landscape Area	Landscape Function	Landscape Element
26.	LFB	LE1.7
27.	LFA	LE4.3
	LFB	
28.	LFD	LE6.4
29.	LFB	LE4.2
30.	LFA	LE2.4
	LFB	
31.	LFB	LE1.13
	LFD	
	LFE	

Drawing numbered 964057/CPLA/201 in Section 4 of Part 5 of this Schedule 4

Construction Planting Landscape Area	Landscape Function	Landscape Element
1.	LFB	LE1.17
2.	LFB	LE6.2
3.	LFB	LE4.2
4.	LFA	LE2.8
	LFB	
5.	LFB	LE1.11
6.	LFA	LE1.17
	LFB	
14.	LFA	LE1.17
	LFB	
15.	LFB	LE4.2
16.	LFA	LE2.8
	LFB	
17.	LFA	LE1.17
	LFB	
18.	LFB	LE4.2
19.	LFA	LE1.17
	LFB	
20.	LFA	LE1.17
	LFB	
21.	LFB	LE7.1
22.	LFA	LE4.2
	LFB	
23.	LFA	LE1.17
	LFB	
24.	LFA	LE2.1
25.	LFA	LE1.17
	LFB	
26.	LFB	LE4.2
27.	LFB	LE6.2
28.	LFA	LE2.1
29.	LFA	LE4.2
	LFB	
32.	LFA	LE2.1

Construction Planting Landscape Area	Landscape Function	Landscape Element
	LFB	
33.	LFB	LE6.2
34.	LFB	LE4.2
35.	LFB	LE1.17
36.	LFB	LE6.4
	LFD	
37.	LFB	LE1.17
		LE2.16
38.	LFB	LE6.2
39.	LFB	LE1.17

Drawing numbered 964057/CPLA/201 in Section 4 of Part 5 of this Schedule 4

The following areas with a suffix "P" are to be planted and established only, as described in paragraph 7.1.7 of Section 7 of Part 2 of Schedule 6.

Construction Planting Landscape Area	Landscape Function	Landscape Element
7P	LFA	LE4.2
	LFB	
8P	LFB	LE1.17
9P	LFB	LE4.2
10P	LFB	LE1.17
11P	LFB	LE2.16
		LE1.7
12P	LFB	LE2.16
		LE1.7
13P	LFB	LE4.2
30P	LFB	LE1.17
31P	LFB	LE1.17
40P	LFB	LE7.1

Drawing numbered 964057/CPLA/202 in Section 4 of Part 5 of this Schedule 4

Construction Planting Landscape Area	Landscape Function	Landscape Element
1.	-	Not Used
2.	LFA	LE2.1
3.	LFB	LE4.2
4.	LFB	LE6.2
	LFD	
5.	LFB	LE1.17
6.	LFB	LE6.1
	LFD	
7.	LFB	LE2.16
	LFD	LE1.7
8.	LFB	LE2.16
	LFD	LE1.7
9.	LFB	LE6.2
	LFD	
10.	LFB	LE1.7
11.	LFB	LE1.7
12.	LFB	LE1.7
		LE2.16
19.	-	Not Used
20.	LFA	LE2.5
	LFB	
21.	LFA	LE2.4
	LFB	
22.	-	Not Used
23.	LFB	LE1.7
		LE2.16
24.	LFA	LE2.8
	LFB	
26.	LFB	LE1.17
27.	LFB	LE4.2
28.	LFB	LE6.4
	LFD	
29.	LFB	LE1.7
		LE2.16

Construction Planting Landscape Area	Landscape Function	Landscape Element
30.	-	Not Used
31.	LFB	LE1.7 LE2.16
32.	-	Not Used
33.	LFA LFB	LE4.2
34.	LFB	LE1.7
35.	-	Not Used
36.	LFA LFB	LE2.1
40.	LFB	LE1.7
43.	LFB	LE2.16
44.	LFB	LE2.16
46.	LFA LFB	LE2.1
47.	-	Not Used
48.	-	Not Used
49.	-	Not Used
50.	LFB	LE1.7
51.	LFD LFB	LE6.1 LE6.4
52.	LFB	LE6.2
53.	LFB	LE1.17
54.	LFA LFB	LE2.1

Drawing numbered 964057/CPLA/202 in Section 4 of Part 5 of this Schedule 4

The following areas with a suffix "P" are to be planted and established only, as described in paragraph 7.1.7 of Section 7 of Part 2 of Schedule 6.

Construction Planting Landscape Area	Landscape Function	Landscape Element
13P	LFA	LE2.5
	LFB	
14P	LFB	LE1.7
15P	LFB	LE1.17
16P	LFA	LE4.2
	LFB	
17P	LFB	LE1.17
18P	LFB	LE1.17
25P	LFB	LE1.7
37P	LFB	LE1.17
38P	LFA	LE4.2
	LFB	
39P	LFB	LE1.17
41P	LFB	LE1.7
42P	LFA	LE2.5
	LFB	
45P	LFB	LE1.11

Drawing numbered 964057/CPLA/203 in Section 4 of Part 5 of this Schedule 4

Construction Planting Landscape Area	Landscape Function	Landscape Element
1.	LFA	LE4.2
	LFB	
2.	LFB	LE1.7
		LE2.16
3.	LFA	LE2.1
4.	LFB	LE6.2
5.	LFB	LE1.17
		LE1.8
6.	LFA	LE4.2
	LFB	
7.	LFA	LE2.1
	LFB	
8.	LFB	LE1.17
9.	LFA	LE2.1
	LFB	
10.	LFB	LE1.17
11.	LFB	LE4.2
12.	LFA	LE1.7
	LFB	LE2.16
13.	LFB	LE2.4
14.	LFB	LE4.2
15.	LFA	LE2.1
	LFB	
16.	LFB	LE4.2
17.	LFA	LE1.17
	LFB	LE2.16

Construction Planting Landscape Area	Landscape Function	Landscape Element
18.	LFA LFB	LE1.17
19.	LFA LFB	LE7.1
20.	LFA LFB	LE4.2
21.	LFB	LE4.3
22.	LFA LFB	LE1.17
23.	LFB LFD	LE6.5
24.	LFB	LE1.17 LE2.16
25.	- -	Not Used
26.	LFB	LE1.7 LE2.16
27.	LFA LFB	LE1.17
28.	LFB	LE1.17
29.	LFA LFB	LE2.1
30.	LFB	LE1.17 LE2.16
31.	LFB	LE6.2

Construction Planting Landscape Area	Landscape Function	Landscape Element
32.	LFB	LE1.17
33.	LFB	LE1.17
34.	LFB	LE1.17 LE2.16
35.	LFA LFB	LE2.4
36.	LFB	LE6.2
37.	LFB	LE1.7 LE2.16
38.	LFA LFB	LE4.2
39.	LFB	LE1.17
40.	LFB	LE1.17
41.	LFB	LE6.2
42.	LFB	LE4.2
43.	LFB	LE2.4
44.	LFB	LE1.7 LE2.6
45.	LFA LFB	LE4.2
46.	LFB	LE1.7
47.	LFA LFB	LE2.4
48.	LFB	LE1.7 LE2.16
49.	LFA LFB	LE4.2

Drawing numbered 964057/CPLA/204 in Section 4 of Part 5 of this Schedule 4

Construction Planting Landscape Area	Landscape Function	Landscape Element
1.	LFA LFB	LE1.17
2.	LFB	LE4.2
3.	LFA LFB	LE1.17
4.	LFA LFB	LE7.1
5.	LFA LFB LFE	LE2.4
6.	LFB	LE1.7
7.	LFB	LE6.2
8.	LFA LFB	LE2.1
9.	LFB	LE6.2
10.	LFD LFB	LE6.4
11.	LFA LFB	LE2.1
12.	LFA LFB	LE4.2
13.	LFA LFB	LE2.8
23.	-	Not Used
24.	LFA LFB	LE2.1

Construction Planting Landscape Area	Landscape Function	Landscape Element
25.	LFA LFB	LE2.1
26.	LFB	LE1.7 LE6.2
27.	-	Not Used
28.	LFA LFB	LE1.17 LE2.16 LE1.8
29.	LFB	LE1.17
30.	LFA LFB	LE1.17 LE2.16 LE1.8
31.	LFA LFB	LE1.17 LE2.16 LE1.8
32.	LFB LFD	LE1.8
33.	LFB	LE6.2
34.	LFB	LE1.8
35.	LFB	LE2.1
36.	LFA LFB	LE7.1
37.	LFB	LE1.7 LE2.16
38.	LFA LFB	LE2.4
39.	-	Not Used

Construction Planting Landscape Area	Landscape Function	Landscape Element
44.	LFA	LE2.4
	LFB	
45.	LFB	LE1.7
		LE2.16
46.	LFA	LE4.2
	LFB	
47.	LFB	LE6.2
48.	LFB	LE1.7
49.	LFD	LE6.4
50.	LFD	LE6.1
51.	LFD	LR6.1
52.	LFB	LE1.17
53.	LFB	LE6.2
54.	LFB	LE2.8
	LFD	
55.	LFB	LE4.2
56.	LFB	LE1.7
57.	LFA	LE2.1
	LFB	
	LFE	
58.	LFB	LE6.2
59.	LFB	LE1.17

Drawing numbered 964057/CPLA/204 in Section 4 of Part 5 of this Schedule 4

The following areas with a suffix "P" are to be planted and established only, as described in paragraph 7.1.7 of Section 7 of Part 2 of Schedule 6.

Construction Planting Landscape Area	Landscape Function	Landscape Element
14P	LFB	LE2.1
15P	LFB	LE1.7
16P	LFA	LE2.4
	LFB	
17P	LFB	LE4.2
18P	LFB	LE1.17
19P	LFB	LE4.2
20P	LFA	LE1.17
	LFB	LE2.16
21P	LFB	LE6.2
22P	LFA	LE2.4
	LFB	
40P	LFA	LE2.4
	LFB	
41P	LFA	LE2.4
	LFB	
42P	LFA	LE2.8
	LFB	
43P	LFA	LE2.4
	LFB	

Drawing numbered 964057/CPLA/205 in Section 4 of Part 5 of this Schedule 4

Construction Planting Landscape Area	Landscape Function	Landscape Element
1.	LFB	LE1.17 LE2.16
2.	LFB	LE6.2
3.	-	Not Used
4.	LFB	LE4.2
5.	LFB	LE1.17 LE2.16 LE1.8
6.	LFB	LE6.2
7.	LFB	LE1.17 LE1.8
8.	-	Not Used
9.	LFB	LE6.5
	LFD	
10.	LFB	LE2.1
	LFD	
11.	LFA	LE2.5
	LFB	
13.	LFD	LE6.1
	LFB	LE6.4
14.	LFD	LE6.1 LE6.4
16.	LFB	LE1.7
30.	LFA	LE2.1
	LFB	
31.	LFD	LE6.1
	LFB	LE6.4

Construction Planting Landscape Area	Landscape Function	Landscape Element
32.	LFA	LE4.3
	LFB	
33.	LFB	LE1.7
34.	LFB	LE6.2
35.	LFB	LE1.7
36.	LFA	LE7.1
	LFB	
37.	LFA	LE2.8
	LFB	
	LFE	
38.	LFB	LE1.17
39.	LFB	LE1.7
40.	LFB	LE.1.17
41.	LFA	LE2.1
	LFB	
46.	LFA	LE2.1
	LFB	
48.	LFA	LE2.5
	LFB	
49.	LFB	LE1.17
50.	LFA	LE2.5
	LFB	
51.	LFB	LE6.2
52.	LFA	LE2.5
	LFB	
53.	-	Not Used

Construction Planting Landscape Area	Landscape Function	Landscape Element
54.	LFD	LE6.3
	LFB	LE2.6
56.	LFB	LE1.17
		LE2.16
		LE1.8
57.	LFB	LE6.2
59	LFA	LE4.2
	LFB	
60	LFA	LE4.2
	LFB	

Drawing numbered 964057/CPLA/205 in Section 4 of Part 5 of this Schedule 4

The following areas with a suffix "P" are to be planted and established only, as described in paragraph 7.1.7 of Section 7 of Part 2 of Schedule 6.

Construction Planting Landscape Area	Landscape Function	Landscape Element
12P	LFA	LE4.2
	LFB	
15P	LFA	LE4.2
	LFB	
17P	LFA	LE2.1
	LFB	
18P	LFB	LE6.2
19P	LFA	LE1.7
	LFB	LE2.16
20P	LFA	LE1.7
	LFB	LE2.11
21P	LFA	LE2.4
	LFB	
22P	LFA	LE2.1
	LFB	
23P	LFA	LE1.7
	LFB	
24P	LFA	LE4.2
	LFB	
25P	LFA	LE2.4
	LFB	
26P	LFB	LE1.1
27P	LFB	LE1.1

Construction Planting Landscape Area	Landscape Function	Landscape Element
28P	LFA	LE1.3
	LFB	
29P	LFA	LE2.4
	LFB	
42P	LFB	LE1.17
43P	LFA	LE4.2
	LFA	
44P	LFA	LE2.4
	LFB	
45P	LFB	LE1.1
58P	LFA	LE2.4
	LFB	
61P	LFA	LE4.2
	LFB	

Drawing numbered 964057/CPLA/206 in Section 4 of Part 5 of this Schedule 4

Construction Planting Landscape Area	Landscape Function	Landscape Element
1.	LFB	LE1.7
2.	LFA	LE4.3
	LFB	
3.	LFB	LE2.8
4.	LFA	LE2.1
	LFB	
	LFE	
5.	LFA	LE2.4
	LFB	
	LFE	
6.	LFA	LE2.1
	LFB	
	LFE	
7.	LFA	LE2.8
	LFB	
8.	LFA	LE1.7
	LFB	LE2.16
9.	LFA	LE2.8
	LFB	
10.	LFD	Ecological Habitat creation area Refer to Schedule 4, Part 2, Annex 11
11.	LFD	LE6.1
		LE6.3
12.	LFA	LE2.4
	LFB	

Construction Planting Landscape Area	Landscape Function	Landscape Element
13.	LFA	LE4.2
	LFB	
14.	LFB	LE6.2
15.	LFA	LE2.8
	LFB	
16.	LFA	LE2.8
	LFB	
17.	LFA	LE2.1
	LFB	
18.	LFB	LE7.1
19.	LFA	LE7.1
	LFB	
20.	LFB	LE1.17
21.	LFB	LE1.7
22.	LFB	LE1.17
23.	LFA	LE2.8
	LFB	

Drawing numbered 964057/CPLA/207 in Section 4 of Part 5 of this Schedule 4

The following area with a suffix "P" is to be planted and established only, as described in paragraph 7.1.7 of Section 7 of Part 2 of Schedule 6.

Construction Planting Landscape Area	Landscape Function	Landscape Element
1.	LFA	Screen wall - Not used
2	LFD	Ecological area. Refer to Schedule 4, Part 2 Annex 11
3.	LFD	LE2.1
4.	-	Not Used
5.	LFA	LE2.1
	LFB	
9.	LFA	LE2.1
	LFB	
10.	LFA	LE7.1
	LFB	
11.	LFB	LE1.17
12.	LFA	LE2.8
	LFB	
13.	LFA	LE4.2
	LFB	
14.	LFB	LE1.7
15.	LFA	LE2.1
	LFB	
16.	LFB	LE1.7
17.	LFA	LE2.1
	LFB	

Construction Planting Landscape Area	Landscape Function	Landscape Element
18.	LFB	LE1.7
19.	LFA	LE2.1
	LFB	

Drawing numbered 964057/CPLA/207 in Section 4 of Part 5 of this Schedule 4

The following areas with a suffix "P" are to be planted and established only, as described in paragraph 7.1.7 of Section 7 of Part 2 of Schedule 6.

Construction Planting Landscape Area	Landscape Function	Landscape Element
6P	LFB	LE2.8
7P	LFB	LE2.8
8P	LFB	LE2.8

Drawing numbered 964057/CPLA/208 in Section 4 of Part 5 of this Schedule 4

Construction Planting Landscape Area	Landscape Function	Landscape Element
1.	LFB	LE4.2
2.	LFB	LE1.7
3.	LFA	LE2.1
	LFB	
4.	LFB	LE7.1
	LFE	
5.	LFB	LE1.17
		LE1.8
6.	LFA	LE2.8
	LFB	
7.	LFA	LE2.8
	LFB	
8.	LFB	LE6.4
	LFD	
9.	LFB	LE4.2
10.	LFA	LE7.1
	LFB	
11.	LFA	LE2.8
	LFB	
12.	LFA	LE2.8
	LFB	
13.	LFB	LE1.7
14.	LFB	LE1.7
15.	LFB	LE1.7
16.	LFA	LE2.1
	LFB	
17.	LFB	LE1.7

Drawing numbered 964507/CPLA/301 in Section 4 of Part 5 of this Schedule 4

Construction Planting Landscape Area	Landscape Function	Landscape Element
1.	LFA	LE2.4
	LFB	
2.	LFB	LE2.1
3.	LFA	LE2.1
	LFB	
4.	LFA	LE2.1
5.	LFA	LE2.1
6.	LFA	LE2.1
	LFB	
7.	LFA	LE2.1
9.	LFA	LE2.1
11.	LFA	LE2.1
12.	LFA	LE7.1
	LFB	
13.	-	Not Used
14.	LFA	LE2.1
	LFB	
15.	LFA	LE2.4
16.	-	Not Used
17.	-	Not Used
27.	LFA	LE2.1
28.	LFA	LE2.1
	LFB	
29.	-	Not Used
	-	
30.	LFA	LE2.1

Drawing numbered 964057/CPLA/302 in Section 4 of Part 5 of this Schedule 4

Construction Planting Landscape Area	Landscape Function	Landscape Element
1.	LFA	LE2.1
2.	LFC	LE3.1
		LE5
3.	LFC	LE3.2
10.	LFC	LE3.2
		LE5
11.	LFC	LE3.1
		LE5
13.	LFC	LE3.1
		LE5
14.	LFA	LE3.1
	LFC	LE5
15.	LFC	LE3.1
		LE5
24.	LFA	LE2.1
25.	LFC	LE3.2
26.	LFC	LE3.1
		LE5
27.	LFC	LE3.2
		LE5
28.	LFC	LE3.2
29.	LFC	LE3.1
		LE5
30.	LFA	LE2.1

Drawing numbered 964057/CPLA/301 in Section 4 of Part 5 of this Schedule 4

The following areas with a suffix "P" are to be planted and established only, as described in paragraph 7.1.7 of Section 7 of Part 2 of Schedule 6.

Construction Planting Landscape Area	Landscape Function	Landscape Element
8P	LFC	LE3.1
10P	LFC	LE3.1
		LE3.2
18P	LFA	LE2.1
19P	LFA	LE2.1
20P	LFB	LE2.1
21P	-	Not Used
22P	LFA	LE2.1
23P	LFA	LE2.4
24P	LFA	LE2.5
25P	-	Not Used
26P	LFA	LE2.1

Drawing numbered 964057/CPLA/302 in Section 4 of Part 5 of this Schedule 4

The following areas with a suffix "P" are to be planted and established only, as described in paragraph 7.1.7 of Section 7 of Part 2 of Schedule 6.

Construction Planting Landscape Area	Landscape Function	Landscape Element
4P	LFC	LE3.1
5P	LFC	LE3.2
6P	LFC	LE3.2
		LE5
7P	LFC	LE5
8P	LFC	LE3.2
9P	LFC	LE3.2
12P	LFC	LE5
16P	LFC	LE5
17P	LFC	LE3.1
18P	LFC	LE3.1
19P	LFC	LE3.1
20P	LFC	LE3.2
21P	LFC	LE3.1
22P	LFC	LE3.1
23P	LFA	LE3.1
	LFC	

**Annex 11
to Part 2 of Schedule 4**

Ecological Requirements

1. General Requirements

- 1.1 Subject to the remaining provisions of this Annex 11, the DBFO Co shall ensure that the Works do not disturb any habitats or species protected by Law.
- 1.2 The DBFO Co shall procure that:
 - 1.2.1 the Ecologist has unrestricted access to the Site and Adjacent Areas at all reasonable times and shall give due regard to any recommendation of the Ecologist in regard to any ecological surveys or inspections of the Site or Adjacent Areas; and
 - 1.2.2 details of all habitats or species protected by Law within the Site or Adjacent Areas are kept confidential and not disclosed to any person save that such details may be disclosed to the extent required for carrying out the Works.
- 1.3 For the purposes of this Annex 11:
 - 1.3.1 "**Ecological Interest**" means any habitat or species of flora or fauna within the Site and Adjacent Areas which, in accordance with Good Industry Practice, is of ecological or nature conservation value; and
 - 1.3.2 "**translocation**" means the movement of a habitat or species from a location affected by the Works to a location not affected by the Works and "**translocated**" shall be construed accordingly.
- 1.4 The DBFO Co shall ensure that:
 - 1.4.1 all ecological surveys relating to the Works are carried out during the appropriate season;
 - 1.4.2 the Works are carried out in a manner compatible with the seasonal ecological requirements of the habitats and species within the Site and Adjacent Areas; and
 - 1.4.3 subject to the Ecological Designs, all Ecological Interests are protected.
- 1.5 Without prejudice to the provisions of Schedule 8, prior to carrying out any Works which could directly or indirectly affect any water course, the DBFO Co shall consult with and satisfy all reasonable requirements of the Environment Agency ("EA") on all aspects of the execution of such Works.
- 1.6 Without prejudice to the provisions of Schedule 8, prior to submitting the information required pursuant to paragraph 1.9 below, the DBFO Co shall consult with and satisfy all reasonable requirements of the Countryside Commission for Wales ("CCW") in respect of any requirements of CCW in relation to:
 - 1.6.1 ecological surveys and the execution of such surveys; and

- 1.6.2 the design and implementation of any translocation, mitigation or habitat creation measures to be undertaken as part of the Works.
- 1.7 If the DBFO Co identifies or becomes aware of any habitats or species protected by Law which could be directly or indirectly affected by the Works, the DBFO Co shall immediately notify CCW and the Department's Agent and shall:
 - 1.7.1 provide CCW and the Department's Agent with any further information relating to such species or habitats as may be requested; and
 - 1.7.2 as soon as reasonably practicable thereafter consult and agree mitigation and/or monitoring measures with CCW in relation to such species or habitats.
- 1.8 The DBFO Co shall not carry out any Works within a part of the Site or Adjacent Areas until it has carried out an ecological survey in respect of such part and submitted to the Department's Agent in accordance with the Design and Certification Procedure details of any Ecological Interests within that area and any proposed habitat creation or enhancement ("**Habitat Creation**") to be carried out within that area and there has been no objection to such submission in accordance with the Review Procedure. The Department's Agent may comment on such submission on the grounds that the submission does not identify, in accordance with the Construction Requirements or Good Industry Practice, all the Ecological Interests within that area or any Habitat Creation that should be carried out within that area.
- 1.9 The submission referred to in paragraph 1.8 above shall, without limitation, be set out on drawings at a scale sufficient to show clearly:
 - 1.9.1 any Ecological Interests that could potentially be affected by the Works in respect of which translocation or other mitigation measures are to be undertaken as part of the Works and their location within the Site and Adjacent Areas;
 - 1.9.2 any Ecological Interests which would be lost as a result of the Works and their location within the Site and Adjacent Areas;
 - 1.9.3 any Ecological Interests other than those referred to in paragraphs 1.9.1 and 1.9.2 and their location within the Site and Adjacent Areas; and
 - 1.9.4 any Habitat Creation and their location within the Site and Adjacent Areas.
- 1.10 The Ecological Interests and Habitat Creation identified in a submission in accordance with paragraph 1.9 above to which there has been no objection in accordance with the Review Procedure and the Ecological Interests and Habitat Creation identified in paragraph 1.1.12 of Annex 1 to Part 1 of this Schedule 4 shall:
 - 1.10.1 together be referred to hereafter as the "**Relevant Ecological Interests**";
 - 1.10.2 in the case of the Ecological Interests referred to in paragraph 1.9.1 above be referred to hereafter as the "**Mitigated Ecological Interests**";
 - 1.10.3 in the case of the Ecological Interests referred to in paragraph 1.9.2 above be referred to hereafter as the "**Lost Ecological Interests**";

- 1.10.4 in the case of the Ecological Interests referred to in paragraph 1.9.3 above, be referred to hereafter as the "**Retained Ecological Interests**"; and
 - 1.10.5 in the case of the Habitat Creation, be referred to hereafter as the "**Habitat Creation Works**".
- 1.11 Subject to paragraph 1.13 below, the DBFO Co shall not carry out any Works within a part of the Site or Adjacent Areas which contains Retained Ecological Interests, Mitigated Ecological Interests, Lost Ecological Interests or within which Habitat Creation Works are to be carried out until it has submitted to the Department's Agent in accordance with the Design and Certification Procedure (i) a design for the protection of such Retained Ecological Interests, for any translocation or other mitigation measures in respect of such Mitigated Ecological Interests, for the removal of the Lost Ecological Interests and for the Habitat Creation Works and protection measures (where appropriate) in respect of each of the same (together an "**Ecological Design**") together with an Ecology Certificate 1, and (ii) an Ecology Certificate 3 in accordance with paragraph 1.18 below and there has been no objection to the relevant Ecological Design and Ecology Certificate 1 in accordance with the Review Procedure. The Department's Agent may comment on an Ecological Design and the accompanying Ecology Certificate 1 on the grounds that the Ecological Design:
- 1.11.1 is not consistent with the outline management strategy set out in Appendix 1 to this Annex 11;
 - 1.11.2 does not comply with the Core Construction Requirements;
 - 1.11.3 does not comply with the Construction Requirements; or
 - 1.11.4 does not comply with Good Industry Practice.
- 1.12 Each Ecological Design shall include, without limitation:
- 1.12.1 identification of any ecological Works that need to be carried out prior to any other Works;
 - 1.12.2 drawings at a scale sufficient to show clearly any Retained Ecological Interests, Mitigated Ecological Interests, Lost Ecological Interests and Habitat Creation Works within the relevant area and (where relevant) the location of the fencing or other measures to be undertaken to protect such Ecological Interests and the habitats created or enhanced as part of the Habitat Creation Works;
 - 1.12.3 the specification for the fencing or other measures referred to in paragraph 1.12.2 above;
 - 1.12.4 identification of any species or habitats protected by Law within the relevant area;
 - 1.12.5 identification of any translocation or other mitigation measures to be undertaken in relation to the Mitigated Ecological Interests taking into account the requirements set out in paragraph 2 of this Annex;
 - 1.12.6 the management of any Mitigated Ecological Interests until they are translocated or until mitigation measures in respect thereof are undertaken; and

- 1.12.7 the approach and methods of monitoring the Habitat Creation Works and the Works relating to the Mitigated Ecological Interests.
- 1.13 The DBFO Co may only carry out Works within an area containing or to contain Relevant Ecological Interests if there is an Ecological Design for such area to which there has been no objection in accordance with the Review Procedure.
- 1.14 The DBFO Co shall carry out and comply with the terms of any Ecological Design to which there has been no objection in accordance with the Review Procedure.
- 1.15 Without prejudice to paragraph 1.8 above, immediately prior to carrying out any Works within a part of the Site or Adjacent Areas, the DBFO Co shall:
- 1.15.1 survey and inspect that area for the presence of any species or habitats protected by Law; and
- 1.15.2 if no such species or habitats are found, submit Ecology Certificate 2 to the Department's Agent.
- If any such species or habitat are found as a result of such survey and inspection and mitigation measures for such species or habitats have not been identified in the Ecological Design for that area, the DBFO Co shall revise such Ecological Design to take into account the relevant species or habitats found and resubmit it together with an Ecological Certificate 1 in accordance with the Design and Certification Procedure and the provisions of paragraph 1.11 above shall apply mutatis mutandis to such submission.
- 1.16 The areas within which the Mitigated Ecological Interests, Retained Ecological Interests and the habitats created or enhanced pursuant to the Habitat Creation Works are located shall be delineated in such a manner as to ensure that they are clearly visible to any persons carrying out the Works.
- 1.17 All Works relating to the provision of (i) wildlife crossings, and (ii) measures to deter wildlife from entering or crossing the carriageway of the Project Road shall be completed as soon as reasonably possible and in any event prior to the issue of the Permit to Use.
- 1.18 The DBFO Co shall submit an Ecology Certificate 3 to the Department's Agent in accordance with the Design and Certification Procedure upon the completion within an area of all the Works required to be carried out pursuant to this Annex 11 in respect of that area.
- 1.19 Relevant Ecological Interests (other than Lost Ecological Interests) which are damaged shall be repaired or to the extent not capable or repair measures shall be taken to mitigate the damage.
- 1.20 Without prejudice to the requirements of this Annex 11, the DBFO Co shall manage all Relevant Ecological Interests and the areas containing them in accordance with the requirements set out in Section 7 to Part 2 of Schedule 6.

2. Scheme Specific Ecological Requirements

For the purpose of mitigation of adverse environmental affects, the DBFO Co shall adopt the measures identified in the Environmental Statements listed in Annex 12 to Part 2 of

this Schedule 4 and drawings 964057/HC/201 and 202 in Section 6 of Part 5 of this Schedule 4.

**Appendix 1 to Annex 11
to Part 2 of Schedule 4**

Ecological Requirements - Outline Management Strategy

To be provided by the DBFO Co pursuant to paragraphs 8 and 10 of Part 3 of Schedule 7

**Annex 12
to Part 2 of Schedule 4**

Environmental Statement Documents

1. A55 Llanfair Pwllgwyngyll to Bryngwran

A55 Llanfair Pwllgwyngyll to Bryngwran Environmental Statement
Non Technical Summary - February 1995

A55 Llanfair Pwllgwyngyll to Bryngwran Environmental Statement
Volume 1 - February 1995

A55 Llanfair Pwllgwyngyll to Bryngwran Drawings Folder and Plates
Volume 1A - February 1995

A55 Llanfair Pwllgwyngyll to Bryngwran Scheme Development Report
Volume 2A - February 1995

A55 Llanfair Pwllgwyngyll to Bryngwran Water Quality and Drainage Report
Volume 2B - February 1995

A55 Llanfair Pwllgwyngyll to Bryngwran Land Use Report, incorporating Agricultural
Impact Reports
Volume 2C - February 1995

A55 Llanfair Pwllgwyngyll to Bryngwran Ecology and Nature Conservation Report
Volume 2D - February 1995

A55 Llanfair Pwllgwyngyll to Bryngwran Landscape Effects (including Visual Impact
Report)
Volume 2E - February 1995

A55 Llanfair Pwllgwyngyll to Bryngwran Traffic Noise and Vibration Report
Volume 2F - February 1995

[A55 Llanfair Pwllgwyngyll to Bryngwran Air Quality Report](#)
Volume 2G - February 1995

A55 Llanfair Pwllgwyngyll to Bryngwran Pedestrians, Cyclists, Equestrians and
Community Effect Report
Volume 2H - February 1995

A55 Llanfair Pwllgwyngyll to Bryngwran Cultural Heritage Report, incorporating
Archaeological Assessments
Volume 2I - February 1995

A55 Llanfair Pwllgwyngyll to Bryngwran Policies and Plans Report
Volume 2J - February 1995

A55 Llanfair Pwllgwyngyll to Bryngwran Geology and Soils Report
Volume 2K - February 1995

2. A55 Bryngwran to Holyhead

A55 Bryngwran to Holyhead Environmental Statement August 1996

- (i) Vol. 1 - Summary document including Non Technical Summary
- (ii) Vol. 1A - Drawings Folder and Plates to accompany Vol. 1
- (iii) Vol. 2A - Scheme Development Report
- (iv) Vol. 2B - Air Quality
- (v) Vol. 2C - Cultural Heritage Incorporating Archaeological Assessments
- (vi) Vol. 2D - Ecology and Nature Conservation
- (vii) Vol. 2E - Landscape Effects (including Visual Impact) Report
- Part 1 : Specialist Report
- Part 2 : Drawings Folder
- (viii) Vol. 2F - Land Use Report Incorporating the Agricultural Assessment
- (ix) Vol. 2G - Traffic Noise and Vibration
- (x) Vol. 2H - Pedestrians, Cyclists, Equestrians and Community Effects
- (xi) Vol. 2I - Water Quality and Drainage
- (xii) Vol. 2J - Geology and Soils
- (xiii) Vol. 2K - Policies and Plans
- (xiv) Corrigendum - 2 August 1996

**Annex 13
to Part 2 of Schedule 4**

Archaeology

1. Definitions

In this Annex 13, unless the context requires otherwise the following expressions shall have the following meanings:

"Aerial Survey" means examination of aerial photographs to record, plot and interpret Archaeological Remains visible as cropmarks, soilmarks, parchmarks or earthworks.

"Additional Archaeological Works" means (i) any archaeological works required pursuant to paragraphs 7.1 and 7.2. below, and (ii) any archaeological works required pursuant to paragraph 8.1 below.

"Archaeological Design" means the design relating to any archaeological works required to be carried out pursuant to this Annex 13, including, without limitation, any of the Watching Brief Designs, Identified Archaeological Works Designs, Further Archaeological Designs and Post Excavation Project Designs.

"Archaeological Fieldwork" means the Works required to be carried out within an Archaeological Site in accordance with this Annex 13.

"Archaeological Remains" means any archaeological remains including, without limitation archaeological artefacts, archaeological features and archaeological deposits.

"Archaeological Report" means a report setting out the results of the relevant Archaeological Works undertaken in respect of an Archaeological Site.

"Archaeological Site" means any area in which the DBFO Co is required to carry out archaeological works pursuant to this Annex 13 including, without limitation, the Identified Archaeological Sites.

"Archaeological Standards" means the standards and specifications set out in Appendix 2 to this Annex 13.

"Archaeological Works" means any archaeological works required to be carried out pursuant to this Annex 13 including, without limitation, the archaeological works required to be carried out pursuant to an Archaeological Design which has been submitted in accordance with the Design and Certification Procedure to which there has been no objection in accordance with the Review Procedure.

"Basic Recording" means carrying out a photographic survey and providing a written description of the site with sketch maps and measurements. A measured survey may be required in certain circumstances.

"Building or Structure Recording" means measured, drawn and/or photographic recording and analysis of standing structures.

"Detailed Recording" means carrying out a full photographic survey, measured survey and written description. Archaeological excavation may also be required depending upon the particular feature and the extent and effect of the impact.

"Documentary Research" means the collation of existing written and graphic information in order to identify the likely character, extent, quality and worth of the known or potential Archaeological Remains.

"Earthwork Survey" means a topographic survey to record and interpret fully all Archaeological Remains visible on the ground surface as earthwork features.

"Evaluation" means a limited programme of non-intrusive and/or intrusive work to determine the presence or absence of Archaeological Remains and define their character, extent and relative quality so as to enable an assessment to be made of the importance of any Archaeological Remains that may be found in the appropriate local, regional, national or international context.

"Excavation" means a detailed programme of intrusive investigation to examine, record and retrieve Archaeological Remains.

"Further Archaeological Design" means a detailed design relating to any Mitigation required within an Archaeological Site resulting from any previous archaeological works carried out within that Archaeological Site, including, without limitation, any works carried out pursuant to the Identified Archaeological Works Design.

"Geophysical Survey" means a survey employing non-intrusive geophysical prospection techniques to detect buried Archaeological Remains and to identify the extent and layout of such Archaeological Remains.

"Identified Archaeological Site" means each area identified by name and number in Appendix 3 to this Annex 13 as shown on drawings numbered figures 93, 94, C.4.1, C.4.2, and C.5.1 in Section 2 of Part 5 of Schedule 4.

"Identified Archaeological Works" means the archaeological works in respect of each Identified Archaeological Site set out in Appendix 3 to this Annex 13 and described therein as Identified Archaeological Works.

"Identified Archaeological Works Design" means a detailed design in respect of the Identified Archaeological Works.

"MAP2" means the Archaeological Standard referred to in paragraph 1.1 of Appendix 2 to this Annex 13.

"Mitigation" means, as appropriate, works required either (i) to create a detailed record of the relevant Archaeological Remains which could be affected by the Works, or (ii) to ensure the preservation of the relevant Archaeological Remains which could be affected by the Works.

"Palaeoenvironmental Sampling" means palynological, sedimentological and other palaeoenvironmental studies undertaken to recover information concerning man's impact on the environment, the effect of environmental factors on human activity and other environmental and economic evidence.

"Post-Excavation Project Design" means a post-excavation project design as referred to MAP2 incorporating a post-excavation assessment report as referred to in MAP2.

"Sample Excavation" means the excavation of sufficient Archaeological Remains in order to carry out an Evaluation.

"Site Layout Plan" means a plan drawn to represent accurately (i) the position and extent of the Archaeological Works within an Archaeological Site in relation to modern landscape features such as roads, hedges, fences, walls, buildings and watercourses, and (ii) the results of any previous archaeological works carried out within that Archaeological Site.

"Strip and Record" means the removal under continuous archaeological supervision and control of topsoil and such other overburden as is necessary to expose any Archaeological Remains and the recording of such Archaeological Remains in accordance with the Archaeological Standard referred to in paragraph 1.7 of Appendix 2 to this Annex 13, and "Stripping and Recording" shall be interpreted accordingly.

"Watching Brief" means a formal programme of observation, investigation and recording of any Archaeological Remains found during the stripping of topsoil and any other overburden or any other excavation works in order to identify, investigate and record any Archaeological Remains which may be present.

"Watching Brief Design" means the design relating to the Watching Brief in respect of the Site and Adjacent Areas other than the Identified Archaeological Sites.

2. General

- 2.1 The provisions of Clause 17 are without prejudice to the provisions of this Annex 13 and, in the event of any conflict between the provisions of Clause 17 and the provisions of this Annex 13, the provisions of this Annex 13 shall prevail.
- 2.2 The DBFO Co shall procure that:
 - 2.2.1 all Archaeological Works are carried out in accordance with the Archaeological Standards and the relevant Quality Documentation; and
 - 2.2.2 all Archaeological Designs are prepared in accordance with the Archaeological Standards.
- 2.3 Without prejudice to paragraph 2.2.2 above, each Identified Archaeological Works Design and Further Archaeological Design shall be prepared in accordance with Appendix 2 of MAP 2 and shall as a minimum be illustrated, at appropriate scales, with general and detailed location plans and Site Layout Plans.
- 2.4 Without prejudice to paragraph 2.2.2 above, each Further Archaeological Design shall contain the following:
 - 2.4.1 detailed plans and representative trench sections of the relevant Archaeological Site in respect of any areas where Sample Excavations have been carried out within the relevant Archaeological Site;
 - 2.4.2 hachure plans and (where appropriate) contour plans showing the results of any Earthwork Surveys within the relevant Archaeological Site accurately located on an Ordnance Survey base;

- 2.4.3 detailed plots of the results of any Geophysical Surveys of the relevant Archaeological Site at appropriate scales with interpretive drawings accurately located on an Ordnance Survey base; and
 - 2.4.4 details of any areas where there are uncertainties about the nature of the Archaeological Remains discovered and the extent of any further archaeological works required to mitigate the impact of the Works on Archaeological Remains.
- 2.5 In the event of any conflict between the provisions of:
- 2.5.1 this Annex 13 and the Archaeological Standards, the provisions of this Annex 13 shall prevail; and
 - 2.5.2 the Archaeological Standards issued by the Institute of Field Archaeologists and the other Archaeological Standards, the Archaeological Standards issued by the Institute of Field Archaeologists shall prevail.
- 2.6 The DBFO Co shall, prior to submitting any Archaeological Design to the Department's Agent in accordance with the Design and Certification Procedure, agree Liaison Procedures in respect of the requirements of this Annex 13 with Cadw and the curatorial section of the regional Archaeological Trust.

3. Archaeological Works and Archaeological Designs

- 3.1 The DBFO Co shall submit all Archaeological Designs to the Department's Agent in accordance with the Design and Certification Procedure. Each Archaeological Design shall be submitted together with an Archaeology Certificate 1.
- 3.2 The Department's Agent may comment on an Archaeological Design and Archaeology Certificate 1 on the grounds that the relevant Archaeological Design:
- 3.2.1 is not consistent with the outline archaeology strategy set out in Appendix 1 to this Annex 13;
 - 3.2.2 does not take into account any relevant archaeological information in respect of the Archaeological Site the subject of such Archaeological Design;
 - 3.2.3 does not comply with the Archaeological Standards;
 - 3.2.4 does not comply with the Core Construction Requirements;
 - 3.2.5 does not comply with the Construction Requirements;
 - 3.2.6 does not comply with Good Industry Practice; or
 - 3.2.7 does not comply with the provisions of paragraph 2.3 or 2.4 above.
- 3.3 Subject to paragraph 3.4 below, the DBFO Co shall not carry out:
- 3.3.1 any Works within any part of the Site or Adjacent Areas (other than the Identified Archaeological Sites) until there has been no objection to the Watching Brief Design in accordance with the Review Procedure;

- 3.3.2 any Works within or affecting an Identified Archaeological Site until there has been no objection to the Identified Archaeological Works Design in respect of that Identified Archaeological Site in accordance with the Review Procedure; and
- 3.3.3 any Works (other than the Works carried out pursuant to an Identified Archaeological Design in respect of which there has been no objection in accordance with the Review Procedure) within or affecting an Identified Archaeological Site until there has been no objection to the Further Archaeological Design in respect of that Identified Archaeological Site in accordance with the Review Procedure and an Archaeological Certificate 2 has been submitted in respect of that Identified Archaeological Site in accordance with paragraph 3.5 below.
- 3.4 Works within or affecting a particular Identified Archaeological Site may be carried out to the extent that they have been identified in an Archaeological Design to which there has been no objection pursuant to the Review Procedure.
- 3.5 The DBFO Co shall submit an Archaeology Certificate 2 to the Department's Agent in accordance with the Design and Certification Procedure upon completion of all the Archaeological Fieldwork in respect of an Archaeological Site.
- 3.6 Within 120 days after completion of each of (i) the Archaeological Fieldwork in respect of an Identified Archaeological Site, and (ii) the Watching Brief in respect of a Part of the New Road, the DBFO Co shall submit in accordance with the Design and Certification Procedure Post-Excavation Project Designs relating to all Archaeological Works (other than the Additional Archaeological Works) carried out within the relevant Identified Archaeological Site or all Archaeological Works (other than the Additional Archaeological Works) carried out pursuant to the Watching Brief relating to the relevant Part of the New Road (as the case may be).
- 3.7 The DBFO CO shall comply with and shall procure that the Archaeologist carries out and complies with the terms of any Watching Brief Design to which there has been no objection under the Review Procedure.
- 3.8 The DBFO Co shall carry out and comply with the terms of each of the following Archaeological Designs to which there has been no objection under the Review Procedure:
 - 3.8.1 any Identified Archaeological Works Design; and
 - 3.8.2 any Post Excavation Project Design referred to in paragraph 3.6 above.
- 4. Archaeological Works: Additional Requirements**
 - 4.1 The layout and results of all Archaeological Fieldwork shall be accurately located on drawings by reference to the Ordnance Survey National Grid and any relevant local grid.
 - 4.2 Where Earthwork Surveys are required to be carried out pursuant to this Annex 13, they shall, without limitation, record existing landscape features such as boundaries, gates, roads, tracks and buildings lying within the relevant Archaeological Site.
 - 4.3 Where Sample Excavations are required to be carried out pursuant to this Annex 13, the size, number and layout of the areas to be excavated shall be sufficient to meet the general and specific aims of any Evaluations carried out in respect of the relevant Archaeological Site

- 4.4 The total area of Sample Excavation for each Archaeological Site shall not be a pre-determined percentage of the area of the relevant Archaeological Site. Without prejudice to the provisions of paragraphs 2.2 above and the preceding sentence of this paragraph 4.4, the sample for all Identified Archaeological Sites in which Sample Excavation is to be carried out within the area covered by a Part of the New Road shall not be less than 5% of the total area of all such Identified Archaeological Sites within the area covered by that Part of the New Road and should in any event be not less than 2% of the area of the relevant Identified Archaeological Site.
- 4.5 Where mechanical excavation is undertaken as part of the Archaeological Works, it shall be carried out in such a manner as to avoid or, where avoidance is not possible, minimise damage to the Archaeological Remains and such mechanical excavation shall be limited to the removal of the topsoil and other overburden unless otherwise set out in an Archaeological Design to which there has been no objection in accordance with the Review Procedure.
- 4.6 Where Sample Excavations or Excavations are required to be carried out on upstanding earthworks (except ridge and furrow earthworks) pursuant this Annex 13, they shall not be carried out by mechanical excavation unless otherwise set out in an Archaeological Design to which there has been no objection in accordance with the Review Procedure.
- 4.7 Where an Excavation (other than a Sample Excavation) is required to be carried out pursuant to this Annex 13, the sampling strategy for such Excavation shall be as follows, unless otherwise set out in an Archaeological Design to which there has been no objection in accordance with the Review Procedure:
- 4.7.1 100% of each structural feature except post-holes;
 - 4.7.2 100% of any positive feature likely to obscure earlier features;
 - 4.7.3 100% of each hearth;
 - 4.7.4 100% of each grave or cremation;
 - 4.7.5 50-75% of each pit, post-hole or other non-linear negative feature;
 - 4.7.6 At least 20% of each simple linear feature;
 - 4.7.7 100% of intersections between linear features; and
 - 4.7.8 100% of terminals of linear features.
- 4.8 Where Palaeoenvironmental Sampling is required to be carried out pursuant to this Annex 13, it shall include the collection of stratigraphic data and suitable samples from cores and test pits. Assessment, analysis and reporting of the results of any Palaeoenvironmental Sampling shall be carried out in accordance with chapters 6-8 and appendices 4-7 of MAP2. Where necessary to achieve an assessment of the potential of such samples for analysis, assessment of the results of any Palaeoenvironmental Sampling carried out in accordance with chapter 6 and appendix 4 of MAP2 shall include preliminary radiocarbon dating.

5. Discovered Archaeological Remains

- 5.1 The following provisions of this paragraph 5 are without prejudice to the provisions of paragraph 2.2 above.
- 5.2 Where Archeological Remains are identified within any part of the Site and Adjacent Areas other than the Identified Archaeological Sites (the "Discovered Archaeological Remains") whether as a result of the carrying out of the Watching Brief or otherwise, they shall be immediately protected from damage and delineated in such manner as to ensure that they are clearly visible to any persons carrying out the Works.
- 5.3 All Discovered Archaeological Remains shall be recorded in plan by means of an instrument survey and investigated by hand excavation to such extent as is necessary to confirm their archaeological nature and to evaluate their importance. Such plans shall be to 1:1000 scale (or larger if necessary to delineate the Discovered Archaeological Remains clearly) and shall show, as a minimum, the location of the Discovered Archaeological Remains, the boundaries of the relevant parts of the Site and Adjacent Areas within which the Discovered Archaeological Remains are located, the extent of the areas stripped, the site grid and the chainage at 100 metre intervals.
- 5.4 As soon as reasonably practicable after identifying the Discovered Archaeological Remains (and in any event within 5 days of such identification), the DBFO Co shall submit the plans referred to in paragraph 5.3 above to the Department's Agent together with (i) an outline written description of the Discovered Archaeological Remains, and (ii) proposals for the further investigation and recording of such Discovered Archaeological Remains to mitigate the effect of the Works on the Discovered Archaeological Remains.
- 5.5 Without Prejudice to the provisions of paragraphs 5.3 and 5.4 above, the DBFO Co shall record all Discovered Archaeological Remains in accordance with the Archaeological Standard referred to at paragraph 1.6 of Appendix 2 to this Annex 13.

6. Department's Agent's Instructions

- 6.1 Without limitation to Clause 17.3, the DBFO Co shall carry out any instructions of the Department's Agent in respect of (i) any Archaeological Remains found as a result of carrying out the Watching Brief, or (ii) the Further Archaeological Design. Any such instructions shall be deemed to have been given pursuant to Clause 17.3 and the provisions of 17.4 shall apply in respect of any such instructions.
- 6.2 Should the Department's Agent instruct the DBFO Co pursuant to paragraph 6.1 above, the DBFO Co shall take all steps necessary and consistent with Good Industry Practice to minimise the delay to completion of the Works as a result of carrying out such instructions.

7. Archive and Publication

- 7.1 The DBFO Co shall, as soon as possible after the completion of the Archaeological Works (other than the Additional Archaeological Works) (i) in respect of an Identified Archaeological Site, or (ii) pursuant to the Watching Brief for each Part of the New Road:
- 7.1.1 prepare an archive for the results of such Archaeological Works; and

- 7.1.2 procure the deposition and long term storage of each of the archives referred to in paragraph 7.1.1 above in a museum or other appropriate repository.
- 7.2 The DBFO Co shall, as soon as possible after the completion of all Archaeological Works (other than the Additional Archaeological Works) in respect of a particular Identified Archaeological Site, (i) prepare an Archaeological Report, (ii) procure the publication of the same and (iii) deliver free of charge a copy of the same to the Department's Nominee. Each Archaeological Report shall contain, without limitation, a factual account of the results of the Archaeological Works (other than the Additional Archaeological Works) carried out within the relevant Identified Archaeological Site.
- 7.3 Without prejudice to paragraphs 7.1 and 7.2 above, the Department's Agent shall not be entitled to refuse to issue a Completion Certificate solely on the ground that the works referred to in paragraphs 7.1 and 7.2 have not been completed.

8. Archaeological Works Outside the Site and Adjacent Areas

Where the DBFO carries out or intends to carry out any works relating to the Project on areas outside the Site and Adjacent Areas but contiguous thereto which works do not require planning permission, the DBFO Co shall:

- 8.1 not carry out any works within such areas until it has carried out a programme of archaeological work which has been approved by the Department's Agent (such approval not to be unreasonably withheld or delayed); and
- 8.2 take due account of the principles reflected in Planning Guidance (Wales) : Planning Policy, and Welsh Office Circular 60/96 Planning and the Historic Environment: Archaeology.

The DBFO Co shall be responsible for all the costs associated with the carrying out of the archaeological works required pursuant to this paragraph 8.

**Appendix 1 to Annex 13
to Part 2 of Schedule 4**

DBFO Co's Outline Archaeological Strategy

To be provided by DBFO Co pursuant to paragraph 8 and 10 of Part 3 of Schedule 7

**Appendix 2 to Annex 13
to Part 2 of Schedule 4**

Archaeological Standards

1. General Archaeological Standards

- 1.1 English Heritage 1991 *"Management of Archaeological Projects"*, Second Edition (MAP2).
- 1.2 Garratt-Frost, Stephen 1992 *"The Law and Burial Archaeology"*, IFA Technical Paper No. 11.
- 1.3 Institute of Field Archaeologists *"Code of Approved Practice for the Regulation of Contractual Arrangements in Field Archaeology"*.
- 1.4 Institute of Field Archaeologists *"IFA Guidelines for Finds Work"*.
- 1.5 Institute of Field Archaeologists 1993 *"Standard and Guidance for Archaeological Field Evaluations"* (as modified in August 1994).
- 1.6 Institute of Field Archaeologists 1993 *"Standard and Guidance for Archaeological Watching Briefs"* (as modified in August 1994).
- 1.7 Institute of Field Archaeologists 1994 *"Draft Standard and Guidance for Archaeological Excavations"*.
- 1.8 Institute of Field Archaeologists 1995 *"Draft Standard and Guidance for the Archaeological Investigation and Recording of Standing Buildings or Structures"*.
- 1.9 Museums and Galleries Commission 1994 *"Standards in the museum care of archaeological collections"*.
- 1.10 RCHME 1991 *"Recording Historic Buildings: A Descriptive Specification"*. Third Edition, HMSO.
- 1.11 United Kingdom Institute for Conservation 1990 *"Guidelines for the preparation of Excavation Archives for long-term storage"*.
- 1.12 English Heritage 1995 *"Geophysical Survey in Archaeological Field Evaluations"*.
- 1.13 Institute of Field Archaeologists *Code of Conduct*.
- 1.14 Institute of Field Archaeologists *"Standard and Guidance on Desk Based Assessments"*.
- 1.15 English Heritage *"Waterlogged Wood : Guidelines on the Recording, Sampling, Conservation and Curation of Waterlogged Wood"*.
- 1.16 McKinley, Jacqueline I and Roberts, Charlotte 1993 *"Excavation and post-excavation treatment of cremated and inhumed human remains"*, IFA Technical Paper No. 13.

**Appendix 3 to Annex 13
To Part 2 of Schedule 4**

Identified Archaeological Works

Note: For locations of the Identified Archaeological Sites referred to below, see drawings numbered figures 93, 94, C.4.1, C.4.2 and C.5.1 in Section 2 of Part 5 of Schedule 4.

1. Identified Archaeological Works

**1.1. Site 26 (yellow), Figure 93 Possible field system, Bryn Gof
(A26 OSGR SH51907185)**

1.1.1. Description: two faint banks in the field east of Bryn Gof may be ploughed-down lynchets, belonging to an earlier field system.

1.1.2. Identified Archaeological Works: Basic Recording and Sample Excavation.

**1.2. Site 23 (yellow), Figure 93 Green lane near Garnedd Ddu
(A23 OSGR SH50557215)**

1.2.1. Description: There are several tracks and lanes in the area of the "Garnedd" placenames, many of which may be old roads. This is in-use as a farm track, but it comes out close to the well (Site 22 (yellow), figure 93), and may be medieval in origin.

1.2.2. Identified Archaeological Works: Basic Recording

**1.3. Site 19 (yellow), Figure 93 Hole in wall, south west of Ysgubor Lwyd
(A18 OSGR SH48457233)**

1.3.1. Description: A small hole built into a field wall, to let the stream flow through. Large stones have been placed in the pond on the one side of the wall.

1.3.2. Identified Archaeological Works: Basic Recording

**1.4. Site 18 (yellow), Figure 93 Small roadside quarries
(A18.1 OSGR SH47767249 A18.2 OSGR SH47787248)**

1.4.1. Description: There are two small quarries either side of the road south of Graig Fawr Farm.

1.4.2. Identified Archaeological Works: Basic Recording

**1.5. Site 14 (yellow), Figure 93 Afon Cefni embankments
(A14 OSGR SH46187310)**

1.5.1. Description: A principal channel through which flows the Afon Cefni, flanked by two side channels. They date from the late 18th or early 19th century.

1.5.2. Identified Archaeological Works: Basic Recording and Watching Brief

**1.6. Site 9 (yellow), Figure 93 Lime kiln and stables
(A9 OSGR SH45387360)**

1.6.1. Description: The remains of a small structure which adjoins the revetment wall of the A5, and is assumed to have been stables associated with the adjacent lime kiln. The New Road will also cross a track which links the present A5 to the kiln.

1.6.2. Identified Archaeological Works: Basic Recording.

**1.7. Site 10 (yellow), Figure 93 Limestone quarries
(A10.1 SH44917371; A10.2 SH45157400; A10.3 SH45087381; A10.4 SH44977367;
A10.5 SH45087308)**

1.7.1. Description: A group of five small quarries, some of which also contained a lime kiln. (See also paragraph 1.46 Site A10.1 below)

1.7.2. Identified Archaeological Works: Basic Recording. (See also paragraph 1.46 Site A10.1 below)

**1.8. Site 8 (yellow), Figure 93 Features north of A5 by Lledwigan
(A8.1 SH45167378; A8.2 SH45127368; A8.3 SH45137367; A8.4 SH45137367;
A8.5 SH45157369; A8.6 SH45217377)**

1.8.1. Description: A series of seven features, some visible and others discovered by trial excavation (A55 Llanfair Pwllgwyngyll to Bryngwran: Environmental Statement Volume 21 Appendix 2).

1.8.1.1. Site 8.1 Ridge and furrow A series of ridges resulting from ploughing, similar to those in the field by Nant. Probably late 18th or early 19th century in date.

1.8.1.2. Site 8.2 Ditch 1 A ditch, revealed by excavation, 2.2 m wide and 0.6 m deep, which was filled with a yellowish-brown silty clay with few stones.

1.8.1.3. Site 8.3 Ditch 2 A ditch, revealed by excavation, 3 m wide and 0.45 m deep. It was filled with a stony yellowish-brown silty clay.

1.8.1.4. Site 8.4 Pit A polygonal pit 3 m wide by 0.45 m deep, revealed by excavation. It cut into ditch 2 (above).

1.8.1.5. Site 8.5 Bowl-shaped hearth A bowl-shaped hearth, revealed by excavation. It was filled with a mix of yellowish-brown silty clay, which was heavily charcoal flecked. A layer of lime mortar lay above the hearth.

1.8.1.6. Site 8.6 Morfa Lodge (site of) A house marked on the 1832 1" Ordnance Survey map. There are no remains visible on the ground. Presumably a lodge to Lledwigan.

1.8.1.7. Site 8.7 Linear Bank A bank running across the field in a north-west to south-east direction. It is visible as a low bank 0.2 m high, but archaeological excavation suggested it to be a natural feature.

1.8.2. Identified Archaeological Works: Watching Brief throughout the field containing the above Identified Archaeological Sites.

**1.9. Site 5 (yellow), Figure 93 Old tracks by Nant
(A5.1 SH44957389; A5.2 SH45047401)**

1.9.1. Description: Two old tracks marked on the 1832 1" Ordnance Survey map.

1.9.1.1. Site 5.1 Old road past Nant A road serving the farmhouse at Nant which went out of use when Telford's new road was built.

1.9.1.2. Site 5.2 Old road linking to Telford's A5 A road which formerly linked Telford's road by Ty'n y gat to the Llangefni link road.

1.9.2. Identified Archaeological Works: Watching Brief.

**1.10. Site 4 (yellow), Figure 93 Features revealed by excavation west of Nant
(A4.1 OSGR SH44877383; A4.2 SH44887382)**

1.10.1. Trial excavation revealed a number of features in the field west of Nant (*A55 Llanfair Pwllgwyngyll to Bryngwran: Environmental Statement Volume 2I Appendix 2*). Good potential for medieval settlement in the area was not realised by trial excavation. However a number of features were noted, although these do not form a sufficiently coherent pattern to warrant full excavation. Two of the features, 4.1 and 4.2 were interpreted as graves from their shape and orientation.

1.10.1.1. Site 4.1 Grave 1 A sub-rectangular cut feature, 2 m long, 0.6 m wide and 0.2 m deep, orientated east-west. Assumed to be a grave from its shape and orientation, but no bone or datable material was found.

1.10.1.2. Site 4.2 Grave 2 A sub-rectangular cut feature, 1.8 m long, 0.7 m wide and 0.2 m deep, orientated east-west. Assumed to be a grave from its shape and orientation, but no bone or datable material was found.

1.10.2. Identified Archaeological Works: Strip and Record the area in the vicinity of trench 6 (*A55 Llanfair Pwllgwyngyll to Brynywran: Environmental Statement Volume 2I Appendix 2*) of the evaluation to a maximum of 30m by 20m, unless the findings from the Strip and Record suggest a larger area should be recorded.

**1.11. Site 3 (yellow), Figure 93 Nant
(A3 OSGR SH44987382)**

1.11.1. Description: The foundations of a farmhouse and associated structures dating from at least the 18th century, which was moved when Telford's road was built and relocated at Nant Newydd to the north. Trial excavation revealed a cobbled floor divided by a wall.

1.11.2. Identified Archaeological Works: Excavation.

**1.12. Site 1 (yellow), Figure 93; Site 1, Figure 94; Site 1, Figure C.4.1; Site 1, Figure C.4.2;
Telford's road
(A1)**

1.12.1. Description: The existing A5, which still largely follows the route laid out by Telford and built between 1818 and 1822, retains original walling, bridges and culverts. The road across Anglesey is of particular importance because it is the longest and best

preserved length which was built new by Telford, and it may therefore retain samples of the original metallised surface.

1.12.2. Identified Archaeological Works: Watching Brief and Basic Recording.

**1.13. Site 10A, Figure 93 Ridge and furrow north west of Gerlan
(C10 OSGR SH44707410)**

1.13.1. Description: This field contains regularly spaced ridges, which are clearly visible under low light conditions. They appear to be too closely spaced and too regular to be medieval. Part of this field was a golf course until about 1950.

1.13.2. Identified Archaeological Works: Basic Recording and Watching Brief.

**1.14. Site 9A, Figure 93 Ridges south west of Waen Hir
(C9 OSGR SH44457417)**

1.14.1. Description: Lines noticed running across the field during field walking, which could be drainage or remnants of an earlier field system.

1.14.2. Identified Archaeological Works: Basic Recording and Watching Brief.

**1.15. Site 8A, Figure 93 Ridges east of Ystym Werddon Bellaf
(C8 OSGR SH44187418)**

1.15.1. Description: A small number of ridges were visible in the centre of the field, appearing to stop at the remains of an old field boundary, which is shown on early OS and estate maps, and is now visible as a slight linear depression. They may represent remnants of ploughing or earlier field systems.

1.15.2. Identified Archaeological Works: Earthwork Survey and Watching Brief.

**1.16. Site 6A, Figure 93 Possible early field systems south and east of Cefncwmwd
(C6 OSGR SH43557416 and OSGR SH43707425)**

1.16.1. Description: Possible early field systems represented by slight ridges. In the field south of Cefncwmwd they are relatively easy to follow running in an east-west direction, although they are less visible towards the southern half of the field. The field east of Cefncwmwd contains ridges which run in an east-west direction in the upper part, but north-south in the lower part.

1.16.2. Identified Archaeological Works: Sample Excavation.

**1.17. Site 3A, Figure 94 Burnt mound
(C3 OSGR SH43117411)**

1.17.1. Description: (See paragraph 1.49, Site C3 below).

1.17.2. Identified Archaeological Works: (See paragraph 1.49, Site C3 below)

**1.18. Site 2A, Figure 94 Burnt mound
(C2 OSGR SH43077410)**

1.18.1. Description: (See paragraph 1.49, Site C2 below)

1.18.2. Identified Archaeological Works: (See paragraph 1.49, Site C2 below)

**1.19. Site 11, Figure 94 Small quarry near Tyn y Bont
(B11 OSGR SH39297539)**

1.19.1. Description: A small quarry dug into a natural outcrop of rock.

1.19.2. Identified Archaeological Works: Basic Recording.

**1.20. Site 9, Figure 94 Mill leat at Strydan
(B9 OSGR SH37587596)**

1.20.1. Description: A water corn mill formerly existed at Strydan, but nothing now remains of the mill. The leat, however, which brought the water from a large pond to the north, exists in places as a large rock-cut ditch.

1.20.2. Identified Archaeological Works: Basic Recording with Earthwork Survey.

**1.21. Site 5, Figure 94 Pont Melin y Plas
(B5 OSGR SH34657716)**

1.21.1. Description: A disused stone bridge beside the modern road, which must have fallen out of use when the course of this road (from Bryngwran to Rhosneigr) was altered. The stream over which the bridge is built is the mill stream of Melin y Plas.

1.21.2. Identified Archaeological Works: Basic Recording.

**1.22. Site 3, Figure C.4.1 Old track, Cymunod
(B3 OSGR SH33907788)**

1.22.1. Description: A hard-surfaced track can be felt rather than seen in the field, although it is marked on old maps and shown leading out to the A5. It could be an access track contemporary with the A5, or an older track taken out of use because of the construction of the A5.

1.22.2. Identified Archaeological Works: Watching Brief.

**1.23. Site 7, Figure C.4.1 Tyddyn Bwlch
(D7 OSGR SH32147862)**

1.23.1. Description: Now visible as an agricultural building with an associated yard. The owners know the site as "Tyddyn Bwlch", but the Penrhos survey of 1769 shows a building associated with two fields called "Tyddyn Bulkeley" south of this field which suggests a continuation of the name applied to a different building. The 1762 survey shows Tyddyn Bwlch in different ownership to the surrounding fields (marking it as "H Trevor's land"), But does not show a building upon it. However there is a building shown on the 1840 tithe map of the parish, although the tithe schedule called it Tyddyn Bach. Part of the remaining structure may well be 18th century, although the present roof is 19th century. There are datable architectural

details, but the south gable may contain a blocked fireplace and chimney. A dry ditch runs concentrically outside the south and east sides of the yard, and separated from it by some 5m: this appears to mark the location of the boundary shown on the 1769 survey. (See also paragraph 1.55 Site D30 below)

1.23.2. Identified Archaeological Works: Building Recording if the remains are to be affected by the Works.

**1.24. Site 8, Figure C.4.1 Standing Stone
(D8 OSGR SH32127845)**

1.24.1. Description: An upright stone standing in the field south of site 6, figure C.4.1. There is a tradition of erecting cattle rubbing stones in this area, and a number are visible in the immediate vicinity. It is unlikely to be of Prehistoric date. No features were identified during geophysical survey.

1.24.2. Identified Archaeological Works: Watching Brief.

**1.25. Site 9, Figure C.4.1 Track to Penmynydd House
(D9 OSGR SH32007863)**

1.25.1. Description: The New Road will cross the track which connects the farm of Penmynydd to the A5. The house is referred to as both Mynydd Machdwn and Mynydd Machdun on the 1762 estate survey, but as Mynydd Marchdun in the map schedule; it is marked as Penmynydd Machno on the first edition 2" Ordnance Survey map (c. 1820), but is called Penmynydd on the tithe map and the first edition 1" Ordnance Survey. The track appears to pre-date the A5, although it is not clearly shown on the 1762 survey.

1.25.2. Identified Archaeological Works: Watching Brief.

**1.26. Site 14, Figure C.4.2 Field barn south of Pen-caledog
(D14 OSGR SH30117871)**

1.26.1. Description: A field barn, now disused, is situated within a kink in the field boundary. It is marked on the tithe map of 1840 as two structures with an associated yard, at the southern end of Pen-caledog farm. It is now on land owned by Ty Mawr farm, and was in use into the middle years of this century. There is no evidence that it was once a cottage, but this possibility should be borne in mind.

1.26.2. Identified Archaeological Works: Basic Recording and Watching Brief.

**1.27. Site 16, Figure C.4.2 Remains of revetted track north west of Ty Mawr
(D16 OSGR SH29787864)**

1.27.1. Description: The remains of drystone walling are visible close to the base of a rock outcrop, running in an east-west direction. They appear to form the outer edge of a revetted track which skirts the base of the outcrop, although they could merely be the remains of a field wall.

1.27.2. Identified Archaeological Works: Basic Recording and Watching Brief.

**1.28. Site 17, Figure C.4.2 Field barn north west of Ty Mawr
(D17 OSGR SH29597862)**

1.28.1. Description: The remains of a stone built field barn with associated enclosures. The barn and enclosures are not marked on any of the maps examined, and appear to be of early 20th century date. Certainly corrugated iron once roofed the shed, although this does not date its construction.

1.28.2. Identified Archaeological Works: Basic Recording.

**1.29. Site 20, Figure C.4.2 Stanley Embankment
(D20 OSGR SH27858020)**

1.29.1. Description: The embankment built in 1822-3 by Thomas Telford to carry his road from Anglesey to Holy Island. In 1846-8 the railway line was constructed along the south side of the embankment, and the south parapet was raised to divide the road from the railway.

1.29.2. Identified Archaeological Works: This site will not be directly affected, but the view of the site from the south will be affected, and therefore Building Recording involving a photographic survey of that side of the embankment is required.

**1.30. Site 1, Figure C.5.1 Pont Ty Mawr
(E1 OSGR SH25318132)**

1.30.1. Description: A single arched masonry bridge which carries an agricultural trackway over the main railway line near Ty-mawr farm. The bridge, which bears the date "1847" is of grey rubble with buff freestone dressings. Freestone band at deck level. The segmental arch has rusticated voussoirs, and there is also rusticated quoining of piers at the ends of the bridge. The parapet has flat freestone capping and low pyramidal capstones to piers. The bridge dates from the time of the construction of the Chester to Holyhead Railway.

1.30.2. Identified Archaeological Works: Building or Structure Recording.

**1.31. Site 2, Figure C.5.1 Ty Mawr Farmhouse
(E2 OSGR SH25238126)**

1.31.1. Description: A mid-nineteenth century farmhouse with associated farm buildings built to replace an earlier farmstead, which was demolished to make way for the railway in the late 1840s; this earlier farmstead is shown lying to the east on an estate map of 1769 (Penrhos II 772, UCNW). The present farmhouse has pebble-dashed rendered elevations, a pitched slate roof and rendered brick stacks at the gables. The front elevation retains original fenestration: nine-pane sashes on the first floor and twelve-pane at ground floor level. There is a later gabled slate roofed porch with a pointed arch doorway. A substantially altered rear wing connects the house with a range of contemporary agricultural buildings arranged around a square yard. Two additional rectangular buildings are shown on the 1st edition 25" Ordnance Survey map of 1887. The buildings are situated at SH25278129 to the west of the main 19th century courtyard arrangement and are now in a very ruinous state; the southern of the two is not easily recognisable. It is likely that these buildings are the remains of the earlier farmstead of Ty-mawr: estate map evidence dating to the period prior to the construction of the railway (Penrhos II 778, 1817 and Penrhos II 772, c.1769) places the original farmstead in approximately the same position as the two ruinous

structures. A plan of 1843 (GAS Llangefni WCD/34) showing the then proposed Holyhead Railway puts the location the original farmstead to the west of the railway and appears to confirm the identity of the two ruinous structures as the farmstead.

1.31.2. Identified Archaeological Works: Building or Structure Recording.

**1.32. Site 3, Figure C.5.1 Cae'r Odyn
(E3 OSGR SH25158140)**

1.32.1. Description: A field named as Cae Rodyn (kiln field) on the 1769 Penrhos estate map covering the farm of Ty-mawr. Though the field pattern in the area has been radically altered since the construction of the railway, the remains of the kiln associated with the former farmstead of Ty-mawr may yet be located. (See also paragraph 1.58, Site E14, which is in the same area).

1.32.2. Identified Archaeological Works: Watching Brief.

**1.33. Site 5, Figure C.5.1 Pont Cyttir
(E5 OSGR SH25148149)**

1.33.1. Holyhead railway. The bridge is constructed of grey rubble with buff freestone dressings. The segmental arch has rusticated stepped voussoirs, the keystone to the north-west has a lion's head; that to the south-east has the date "1847" in raised lettering set within an heraldic shield. The piers to each side of the arch have rock faced quoins, as have the piers to ends of the bridge; the piers have low pyramidal capstones. Flat freestone coping surmounts the parapet. At road level is a freestone band. Pont Cyttir has been listed grade II.

1.33.2. Identified Archaeological Works: Building or Structure Recording.

**1.34. Site 6, Figure C.5.1 Prehistoric findspot, Penllechnest
(E6 OSGR SH25048165)**

1.34.1. Description: Two Neolithic polished axes of Graig Lwyd rock, were found during the construction of a railway turntable at Kingsland at SH25048165 in 1926; also discovered in the area, on the slope between Penllech-Nest and Trip brook (SH251-816-) where a stone axe, slingstone, sharpened scraper, spindle whorl and round stone. It is thought that the name Penllech (head or top of rock) might indicate the site of a Neolithic burial chamber and the area, now bisected by the railway line, may contain further archaeological remains.

1.34.2. Identified Archaeological Works: Watching Brief.

**1.35. Site 7, Figure C.5.1 Pont Penllechnest
(E7 OSGR SH25048162)**

1.35.1. Description: A double arched masonry road bridge in a similar style to the other railway road bridges listed above; of grey squared coursed stone with buff freestone dressings. The segmental arches have rusticated stepped voussoirs. The piers, which are located to each side of arches and at the ends of bridge have rock faced quoins and are topped by low pyramidal capstones. At road level is a freestone band which bears the date "May 1848" in Gothic lettering. Coping to parapet is of flat freestone. The structure is listed grade II.

1.35.2. Identified Archaeological Works: Building or Structure Recording.

**1.36. Site 9, Figure C.5.1 Cattle sheds, yards and pens
(E9 OSGR SH24888175)**

1.36.1. Description: The site comprises a number of related structures, including rows of derelict concrete livestock/cattle pens probably dating to the 1940s or 1950s situated on a stone platform with glazed brick coping, and once served by a siding. The Ordnance Survey map of 1887 depicts the platform, but with slightly different rows of pens. The northern portion of the pens are of a double decker layout and of brick, concrete and steel girder construction. To the west of the open cattle pens, across an open yard are the remains of livestock sheds fronting on to Kingsland road; this comprises a high rubble built wall with numerous barred segmental headed windows set high in the wall. The structure has been largely removed, though numerous concrete stalls/feeding troughs remain. At the north end of the area are disused livestock sheds. Constructed of concrete and timber, the sheds have pitched felt covered wooden boarded roofs with central roof ventilators. The gables consist of louvre style ventilation slats.

1.36.2. Identified Archaeological Works: Basic Recording

**1.37. Site 10, Figure C.5.1 Redundant carriage sheds
(E10 OSGR SH24788195)**

1.37.1. Description: The area contains two large carriage sheds with a derelict gas works situated between. The western of the two sheds is a long, slightly curving structure, constructed of rubble with entrances in each gable end. Situated above the central rectangular RSJ lintelled entrance is a lunette style gable vent. The building has no side windows and is lit solely by means of a raised roof light, which extends along the length of the roof apex. The wooden roof is of a king-post construction, with the post replaced by a metal strutt; pitched with felted covering. The interior has a concrete floor with 3 sets of rails. The former gas works is separated from the stone-built carriage shed by a long, narrow yard. The building is a gabled structure of red brick with a corrugated asbestos roof and raised apex roof lights. Round arched window and door openings; the windows retain their original metal fan headed fenestration. Adjacent to the north is a narrower linear brick built wing in a similar style under a pitched felted roof with a single brick stack; one bay has been damaged by fire. Adjacent to the east of the gas works is a second carriage shed, this time rectangular and open ended with planked upper gables; constructed of brick, pitched slate roof of king-post type with projecting eaves and roof lights. Three sets of rails. Map evidence suggests that the gas works and the adjacent brick-built carriage shed were in existence by 1857 and that the stone-built carriage shed was constructed shortly after this date (GAS Llangefni WM/904).

1.37.2. Identified Archaeological Works: Building or Structure Recording.

**1.38. Site 11, Figure C.5.1 Former gas works
(E11 OSGR SH24748203)**

1.38.1. Description: The remains of the former gas works, now the site of the Fairfield garage, are located on the east side of Kingsland Road just south of the junction with London Road. The works are shown on a map of 1865 (Gas Llangefni WCD/43) and on the Ordnance Survey map of 1887. Two separate buildings remain, both are constructed of rubble and have stressed freestone dressings including keystones and

centrally arranged roundals: the northern building is rectangular with a slated hipped roof, of two storeys; the facade has two rectangular window openings on each floor and a central entrance at ground floor level; all dressings are painted except for the stressed angle quoins. The southern building is of a similar style to that to the north, though single storey with the roundal in the centre of a low gable, fronting the road, and a large rectangular RSJ lintelled doorway. There is a large workshop attached to the rear of this structure. Painted rendered elevations.

1.38.2. Identified Archaeological Works: Basic Recording

**1.39. Site 12, Figure C.5.2 Black bridge
(E12 OSGR SH24808204)**

1.39.1. Description: Black bridge carries the London Road (the A5) over the main line railway. The existing structure dates in part from the 19th century, although map evidence points to the existence of a river bridge in the vicinity at least from the mid-18th century. The present bridge has piers with angled corners and stressed freestone quoins. The upper part of the bridge has been replaced by a concrete span with brick parapet. The abutment to the north-west is unaltered and has a single segmental arch with stressed freestone voussoirs, stressed freestone band at road level with rubble parapet. Joining the centre of the bridge is the raised approach road to Holyhead Station and the site of the former Station Hotel, built between 1875 and 1880. The road is supported on segmental arches, with rusticated freestone voussoirs. The arches have been bricked up to create a series of small chambers, fronting on to the platforms and are now used for storage and other purposes.

1.39.2. Identified Archaeological Works: Basic Recording

1.40. Field boundaries

1.40.1. Description: The pattern and nature of field boundaries are an important part of the historic landscape. Their construction, linear plan and ecological diversity can provide valuable information about the landscape and its evolution. The most common types of field boundary in the area are stone faced earth banks and stone walls, often combined with a thorn hedge.

1.40.2. Identified Archaeological Works: Basic Recording of field boundaries affected by the Works.

**1.41. Site A28 (Plot 33) Figure 93 Possible Prehistoric Site, Rhos Helyg
(OSGR SH49317220)**

1.41.1 Description: A spread of white clay overlying the natural glacial clays was visible in the west part of Trench 12 (20m x 4m). It did not form a coherent shape, although it appeared to form a rough curve 1m wide and 6m long. It is possible the clay was imported to the area, and that it forms a flooring layer. Two flints were found on the surface of the clay, one was a flake which had been worked into a tool typical of those found in early Neolithic contexts, the other was a waste flake. East of the clay were two linear features, approximately 0.5m wide and 0.15m deep, which formed a right angle where they met. These remains may be associated with the features noted in Trench 30 on Plot 27 (Site A29).

1.41.2 Identified Archaeological Works: No definite conclusions concerning the nature of the remains could be drawn, but there is sufficient evidence to recommend the

excavation of a wider area. This should take the form of Strip and Record, followed by more Excavation. The total area involved would be approximately 6,000 sq m.

1.42. Site A29 (Plot 27) Figure 93 Possible Prehistoric Site, Cefn Du (OSGR SH49237225)

1.42.1 Description: Archaeology was present in one trench (T30), although the nature and date of the remains are not fully understood. One pit, 1.2m across, contained considerable quantities of burnt stone within its fill. Only part of the pit was visible within the trench, the remainder lay under the baulk. The trench also contained two slight linear features cut into the sub-soil, which were interpreted as the result of deep ploughing. Although the remains are slight, the surrounding area is rich in archaeological sites, and the evidence is sufficient to justify further work.

1.42.2 Identified Archaeological Works: Strip and Record an area in the vicinity of Trench 30. This is to be followed by Excavation. The total area involved is unlikely to be greater than 6,000 sq m.

1.43. Site A30 (Plot 27) Figure 93 Prehistoric Settlement Site, Cefn Du (OSGR SH49087233)

1.43.1 Description: Trial excavation revealed the presence of a large area of rubble stone, within which stood a large stone mortar. The mortar appeared to be *in situ* with packing stones holding it firmly in place, and it is therefore likely to be within a former structure. It was not possible to define the extent or nature of the stone spread, but it is likely that further examination would have revealed the presence of wall foundations, which had been subsequently spread by ploughing. The stones continued under the baulk of the trench, but an area approximately 6m x 2m was exposed. There were moderate quantities of charcoal and some burnt clay which suggested clay or wattle and daub-built structures. A number of post-holes were noted, but were not investigated. It is probable that the remains in Plot 27 form part of a large settlement which includes the remains identified in Plot 26 (Site A31 below). The importance of Sites A30 and 31 is raised by their location close to the scheduled archaeological site of Capel Eithin, which when excavated in 1980-1 revealed the presence of Neolithic settlement, Bronze Age burial, Roman remains and an Early Christian cemetery.

1.43.2 Identified Archaeological Works: Excavation of the features so far revealed and further evaluation by Strip and Record to determine the full extent of the remains, followed by Excavation of all features revealed. Trial excavations to date suggest the area of Excavation would not exceed 15,000 sq m.

1.44. Site A31 (Plot 26) Figure 93 Prehistoric Settlement Site, Cefu Du (OSGR SH49007236)

1.44.1 Description: Trial excavation has revealed a series of features which form part of a Prehistoric settlement of probable Iron Age and/or Roman date. A small length of curved walling is thought to have once formed part of a round hut, into which had been inserted a corn drying kiln of possible Post-Roman date. Another curving gully, although not completely excavated, was interpreted as a drip gully showing the outer limits of a round hut of clay or wattle and daub construction. The upper half of a rotary quern of Roman date was embedded in an area of stone paving and appeared to have been reused as a post-pad. Two other large flat stones which formed a straight

line with the quern were similarly interpreted, and the three appear to form part of a large rectangular post-built structure.

1.44.2 Identified Archaeological Works: Excavation of the features so far revealed and further evaluation by Strip and Record to determine the full extent of the settlement, followed by Excavation of all features revealed. Trial excavations to date suggest the area of Excavation would not exceed 15,000 sq m.

1.45. Site A12 (Plot 2) Figure 93 Llanbach (site of) and adjacent features (OSGR SH44897360)

1.45.1 Description: A small cottage is marked on the 1832 Ordnance Survey map in this location. Nothing is visible on the ground and the name now applies to the cottage next to the church. Trial excavation on the supposed site failed to locate any remains, although there was a significant quantity of Post-Medieval pottery. Excavation on a level platform to the north revealed a field boundary, which may be associated with structural remains, but none were immediately adjacent. To the south is a clearly defined track (still a public footpath) which has been identified as at least 16th century date from documentary sources. Further west, outside the road corridor, is one definite, and other possible, house platforms. A small stream runs east of the cottage site, alongside the present minor road. This stream was formerly crossed in two places, one where the public footpath crosses, and one in the field to the north which was used by the quarry (Site 10.1). There are some remains of a simple lintel bridge at the former site, and a well preserved bridge remains at the latter.

1.45.2 Identified Archaeological Works: Strip and Record the platform where the field wall was discovered, followed by detailed Excavation. The Strip and Record area would include a maximum of 200 sq m. Also Strip and Record the area within the corridor occupied by the early track and bridge (the relevant part of the construction corridor is some 12m wide). Basic Recording of the bridge.

1.46. Site A10.1 (Plot 2) Figure 93 Site of quarry and adjacent features

1.46.1 Description: A small limestone quarry is situated in the south corner of field no. 6900. The output from the quarry was taken down a track, or possibly a tramway, which crossed the stream south-west of the quarry over a small bridge, now much overgrown and no longer in use.

1.46.2 Identified Archaeological Works: Basic Recording of quarry, track and bridge.

1.47. Site C14 (Plot 100) Figure 93 Burnt mounds at Waen Hir (OSGR SH44547423; SH44487413; SH44417418)

1.47.1 Description: Trial excavation revealed traces of two burnt mounds and associated features in Field 4212 (Trench 55). One mound lay at the lower, east end of the field, in a wet, marshy area, approximately 0.7m below the ground surface. It was identified by a layer of fractured burnt stone 0.2m thick, although the full extent of the burnt stone was not defined. Burnt stone was also revealed up to 20m from the main deposit, and although this could have been caused by spreading during ploughing, it is possible other mounds lie within the vicinity. In addition, burnt stone was found in a trial trench (T50) 80m west, uphill of the lower mound, with an amber bead of probable Prehistoric date. Two shallow ditches were cut into the sub-soil, but the relationship of these to the burnt stone was not established, although it was

thought they may have acted as water channels. More burnt stone was noted in T57, north-east of T55, in Field No. 5324.

1.47.2 Identified Archaeological Works: Strip and Record the width of the corridor which lies within Field 4212 followed by Excavation of archaeological features. Also Strip and Record the area around Trench 57, followed by Excavation of archaeological features. The maximum area involved is 6,400 sq m.

1.48. Site C15 (Plot 105) Figure 93 Roman settlement at Cefn Cwmwd (OSGR SH43557414)

1.48.1 Description: Trial excavation revealed an area of cobbled flooring 2m wide, which extended under the baulk either side of the 2m wide trench. Several pieces of Roman pottery, including Samian and Black Burnished ware were found on top of the cobbling. To the south of the cobbling was a mass of rubble stone, which was interpreted as a structure spread by ploughing. In another trench (T36), down-slope of T37 and some 50m to the east, was a succession of stratified features to a maximum depth of 1.05m. No additional pottery was found, but identified features included a linear cobbled area, interpreted as a road, with a later pit cut through it, several pits containing burnt stone, and three post-holes in a curve, one of which contained a burnt post.

1.48.2 Identified Archaeological Works: Strip and Record the width of the corridor which lies within Field 0930, followed by Excavation of archaeological features. The maximum area involved is 10,000 sq m.

1.49. Sites C2 and C3 (Plot 108) Figure 94 Burnt mounds south-west of Cefn Cwmwd

1.49.1 Description: Two burnt mounds were noted during the initial assessment, and recommendations were made for full excavation and additional evaluation. The two mounds have been partly levelled since the initial visit, but trial excavation revealed that there is still sufficient stratigraphical evidence remaining to justify full excavation. No additional features were found during trial excavation.

1.49.2 Identified Archaeological Works: The limits of the spread of burnt stone are contained within an area of 6,000 sq m. Therefore Strip and Record 6,000 sq m and Excavation of the mounds.

1.50. Site C16 (Plot 162) Figure 94 Possible Prehistoric settlement at Fferam y Llian (OSGR SH42827416)

1.50.1 Description: A series of post-holes and linear slots were noted in Trench 214. There were considerable quantities of charcoal and a possible stone floor. No definite pattern was discernible and no finds were made. However the level of activity was sufficient to suggest that the remains observed lie on the edge of a more concentrated area of activity.

1.50.2 Identified Archaeological Works: Strip and Record an area no larger than 2,400 sq m. to be followed by Excavation.

1.51. Site B14 (Plot 142) Figure 94 Possible Prehistoric settlement at Treddolphin (OSGR SH37237604)

1.51.1 Description: A number of features were noted here, including a series of shallow pits with large quantities of charcoal, a linear slot with a considerable quantity of charcoal in its fill. There was a buried soil, which contained charcoal, overlying the subsoil. There were no finds.

1.51.2 Identified Archaeological Works: Strip and Record an area no larger than 1600 sq m., to be followed by Excavation.

1.52. Site B15 (Plot 142) Figure 94 Possible Prehistoric site east of Bwlcyn (OSGR SH36657653)

1.52.1 Description: A low glacial drumlin was overlain by a spread of heat-shattered stone and charcoal. A small pit had been dug into the summit of the drumlin. Although there was Post-Medieval pottery within the upper layers, there was none from the burnt stone layer. It is probable that the features belong to an area of activity, probably Prehistoric in date, of which the focus has not yet been located.

1.52.2 Identified Archaeological Works: Strip and Record an area no larger than 1200 sq m., to be followed by Excavation.

1.53. Site B8, Figure 94 Well south of Holy Rood Church

1.53.1 Description: Evaluation around the well revealed that, although there had been some disturbance by cattle trample, there were remains of a cobbled floor and stone surround. Two small pieces of Medieval pottery were recovered. The potential for retrieving additional archaeology was good. A well is situated within a small rectangular field, bounded by a stream on the east, and set amongst much larger fields, just south of the remains of Holy Rood (Ceirchiog) Church.

1.53.2 Identified Archaeological Works: Excavation of at least 100 sq m. centred on the well.

1.54. Site D29 (Plot 2/4) Figure C.4.1 Ditch at Caer Elen fort (OSGR SH32567825)

1.54.1 Description: A ditch was observed in Trench 204 running south-west to north-east. It was observed again in Trench 209, some 10m north-east, where it was turning to the south-east. The ditch measured some 2m wide by 0.65m deep. Whilst this is too small and in the wrong place to form part of Caer Elen defensive enclosure, its proximity to that site does raise its archaeological potential. The fill of the ditch contained no modern finds, nor topsoil, and is therefore considered to be pre-modern.

1.54.2 Identified Archaeological Works: Strip and Record an area no larger than 1,000 sq m, to reveal the ditch, and any associated features. To be followed by Excavation.

1.55. Site D30 (Plot 2/12) Figure C.4.1 Bronze Age site at Penmynydd (OSGR SH32167849)

1.55.1 Description: A rectangular feature with associated stake holes and a series of small pits, all of which were very shallow. Two small pieces of Bronze Age pottery and a

number of flint flakes (unworked) were found alongside associated with the features. A Post-Medieval ditch cut across the site.

1.55.2 Identified Archaeological Works: Strip and Record an area no larger than 3,600 sq m, to be followed by Excavation where archaeological remains are present.

**1.56. Site D31, Figure C.4.1 Ditch at Penmynydd
(OSGR SH32087849)**

1.56.1 Description: A ditch 2m wide by 2m deep was revealed. Over the ditch was a layer of brown leached clay with a high level of charcoal inclusions. The ditch was rubble-filled and v-shaped. However, its location was unusual and there is a possibility that it is a natural feature. Nonetheless, the presence of the charcoal suggests activity on the site, although the nature of the activity was not ascertained.

1.56.2 Identified Archaeological Works: Strip and Record a small area up to 200 sq m in extent.

**1.57. Site D32 (Plot 3/3) Figure C.4.2 Prehistoric site at Ysbylltir
(OSGR SH31027896)**

1.57.1 Description: A number of Prehistoric finds, including worked flints, part of a polished axe and a piece of pottery were found in low-lying ground, associated with a number of linear features and one pit. To the west the ground is wet and boggy, thus giving good potential for the preservation of environmental evidence. It was not possible to ascertain the full status of the site, but the number and nature of the finds suggests Prehistoric activity of some importance.

1.57.2 Identified Archaeological Works: Strip and Record an area up to 5,000 sq. m. in extent, and supplement this with environmental evidence from the adjacent bog.

**1.58. Site E14 (Plot 11/1) Figure C.5.1 Cemetery at Ty Mawr
(OSGR SH25208137)**

1.58.1 Description: Fourteen cist graves with a number of straight and curving linear features were found. These are thought to form part of an Early Christian cemetery (c. 6th century to 10th century AD) with at least one associated structure and a boundary ditch. Glass fragments of possible 8th century date have been found in association.

1.58.2 Identified Archaeological Works: Excavation of the cemetery, which appears to amount to an area of some 2,500 sq m. Also Strip and Record a wider area amounting to an additional 2,500 sq m followed by Excavation.

**1.59. Site C17 (Plot 150) Figure 94 Settlement east of Melin y Plas
(OSGR SH34937701)**

1.59.1 Description: Trench 254 revealed a substantial quantity of stone rubble, with the fragmentary remains of walling. However, only the upper layers were cleaned and it is expected that clearance of the rubble will reveal additional walling. No stratified finds have been recovered, although flints have been found in the topsoil. The site has been interpreted as a farmstead of Medieval or Post-Medieval (up to c.1700) date.

- 1.59.2 *Identified Archaeological Works:* Excavation of the site. This is anticipated to involve an area of some 1500 sq m although a wider area of 2000 sq m will need to be stripped.

**Annex 14
to Part 2 of Schedule 4**

Further Design and Other Requirements

1. The provisions in this Annex 14 are without prejudice to the generality of paragraph 1.1.3 of Part 2 of Schedule 4.
2. The junctions required in paragraphs 2.1.1 and 2.2.1 of Annex 1 to Part 1 of this Schedule 4 shall have layouts as shown in the drawings listed in Section 5 of Part 5 of Schedule 4.
3. The vertical alignment of the New Road shall be as shown on the drawings listed in Section 5 of Part 5 of Schedule 4.
4. Lay-bys shall be provided at the locations as shown on the drawings listed in Section 5 of Part 5 of Schedule 4.
5. The construction details of the paved area referred to in paragraph 1.7.2 of Annex 1 to Part 1 of Schedule 4 shall be in accordance with standard detail drawings 964057/MI/101 and 964057/MI/102.
6. Methods of handling topsoil, including, without limitation, stripping, stockpiling, spreading, characteristics, timing shall include the mitigation damage prevention measures contained in the Environmental Statements listed in Annex 12 to this Part of Schedule 4, paragraphs 1.2 and 1.3 below and any additional requirements in Annexes 10, 11 and 12 to this Part of Schedule 4.
7. Drainage of the New Road shall include, without limitation, new watercourses, outfalls, contamination prevention measures, attenuation measures, penstocks, spillways, balancing ponds, sacrificial flood areas, weirs, and shall be undertaken in accordance with the proposals in the Environmental Statements listed in Annex 12 to this Part of Schedule 4.
8. The DBFO Co shall provide watercourse crossings at the proposed locations in the Environmental Statements listed in Annex 12 to this Part of Schedule 4.
9. The wetlands provided in accordance with paragraph 1.1.12 in Annex 1 of Part 1 of Schedule 4 shall incorporate the proposals contained in the Environmental Statements listed in Annex 12 to this Part of Schedule 4 including, without limitation:
 - 9.1 drainage discharge points to feed wetlands;
 - 9.2 weirs to retain standing water;
 - 9.3 topsoil removal and retention; and
 - 9.4 discharges into side channels.
10. Subject to paragraphs 1.1.7 to 1.1.9 of Annex 1 of Part 1 of this Schedule, existing watercourses shall only be modified, as proposed in the Environmental Statements listed in Annex 12 to this Part of Schedule 4, including without limitation in relation to their realignment, regrading and widening.
11. Flow of watercourse shall be maintained during the construction of the New Road.

12. The DBFO Co's method of cutting rock faces shall (as a minimum) include the proposals in the Environmental Statements listed in Annex 12 to this Part of Schedule 4.
13. The DBFO Co shall design all rock cuttings to ensure that falling rocks will be contained within the roadside verge. Where this requires rock trap ditches these shall be gravel filled. Where rock catch fences are required, they shall be of a colour and form which minimises their visual intrusion.
14. Pockets of soil in cuttings containing exposed rock faces shall be created by tipping soil from the top.
15. To mitigate the effect of the New Road on the landscape, the Operations shall include those measures proposed in the Environmental Statements listed in Annex 12 to this Part of Schedule 4, and any additional requirements in Annexes 9, 10 and 11 to this Part of Schedule 4.
16. To mitigate the effect of the New Road on the geology and soils of the area, the Operations shall include those measures proposed in the Environmental Statements listed in Annex 12 to this Part of Schedule 4, and any additional requirements in Annexes 9, 10 and 11 to this Part of Schedule 4.
17. Mitigation measures to be undertaken in accordance with paragraph 11 of Annex 1 to Part 1 of this Schedule 4 for the visual impact of the drainage channels shall include the following:
 - 17.1 using unlined rock channels where rock is impermeable;
 - 17.2 using dyes or paint in the concrete; and
 - 17.3 where gradient allows, filling the channels with free-draining stone to provide a more natural look.
18. During the construction of the New Road, the DBFO Co's mitigation measures for controlling water pollution shall include, without limitation, the following:
 - 18.1 retention of water pumped from the Site in appropriately sized lagoons to allow sedimentation of solids prior to discharge; and
 - 18.2 maintenance of construction plant in accordance with best practice to reduce the risk of oil leaks.
19. The historic route signs to be provided pursuant to paragraph 7 of Annex 1 to Part 1 of Schedule 4 shall be in the format and at the locations shown on the following drawings:

964057/MI/001	Historic Route Signs: Signs Ref. 1 & 2
964057/MI/002	Historic Route Signs: Mail Coach Symbol
964057/MI/003	Historic Route Signs: Schedule
964057/MI/004	Historic Route Signs: Menai Bridge to Pentre Brew
964057/MI/005	Historic Route Signs: Gwalchmai to Holyhead
964057/MI/006	Historic Route Signs: Sign No. 1
964057/MI/007	Historic Route Signs: Sign No. 2
964057/MI/008	Historic Route Signs: Sign No. 3
964057/MI/009	Historic Route Signs: Sign No. 4

- | | |
|---------------|----------------------------------|
| 964057/MI/010 | Historic Route Signs: Sign No. 5 |
| 964057/MI/011 | Historic Route Signs: Sign No. 6 |
| 964057/MI/012 | Historic Route Signs: Sign No. 7 |
| 964057/MI/013 | Historic Route Signs: Sign No. 8 |
20. Cloddiau as described in paragraph 1.2.3 of Annex 1 to Part 1 of this Schedule 4 shall be provided at the locations shown on the drawings listed in Section 4 of Part 5 of Schedule 4 and shall be of a minimum height of 1.5 metres (excluding hedgerow species).
21. The interfaces with the NCN to be provided pursuant to paragraph 9 of Annex 1 to Part 1 of this Schedule 4 shall be as follows:
- 21.1 **East of Menai Bridge** - An extension to the splitter island at the Menai Bridge approach to the roundabout, with appropriate traffic signing and road markings to act as a crossing point for cyclists. Consideration is also be given to changing the limits of the adjacent speed restriction to include this crossing point. A short length of NCN in the verge will be necessary to avoid the roundabout and link with the NCN towards Bangor;
- 21.2 **A4080 between and including the two roundabouts in Menai Bridge** - Accommodate the NCN, preferably by providing a separate route in the verge or, failing this as a worse-case scenario, a delineated space within the highway. The treatment at the roundabouts will require careful consideration and reference should be made to the NCN Guidelines;
- 21.3 **A4080 from the western roundabout and NCN divergence at entry to the section of the route through the woods at Coed Mor on the Straits side** - Treatment of the NCN to be as described in paragraph 21.2 above;
- 21.4 **Crossing the A5 and A55 west of Llanfair Pwllgwyngyll village** - NCN to cross from the de-trunked A5 through the village by means of the proposed footbridge carrying public footpath 14 over the proposed A55 trunk road. It will be necessary to widen the bridge deck to 2.5m and modify the layout to take dismounted cyclists. Appropriate details may be obtained from the NCN Guidelines. Cyclists are to gain access and egress from the village via the A5 and provision will need to be made for those travelling westbound to cross this road. Provision by way of appropriate traffic signing and road markings with a splitter island will also be necessary for cyclists to recross the A5 near to Star Crossroads from the minor road to Star village;
- 21.5 **Afon Cefni** - An at-grade crossing of the A5 will be required for the NCN at the Afon Cefni, utilising necessary traffic signing and road markings together with a splitter island. The adjacent crossing of the A55 will be achieved by widening and increasing the headroom of a proposed footpath facility already included in the TAF for this structure. Appropriate dimension can be obtained from the NCN Guidelines. The NCN will need to be accommodated between the A5 and A55; and
- 21.6 **Provision for the NCN to cross the A5 south-west of Rhostrehwfa village en route to link with the B4422** - This will include appropriate traffic signing and road markings and, if space permits, the inclusion of a splitter island.

22. The DBFO Co shall comply with the following paragraphs which shall prevail over the equivalent details shown on drawings prefaced UKH in Section 10 of Part 5 to Schedule 4 except for drawings numbered 248 and 249:
- 22.1 Abutment bankseats shall be provided as shown on drawings UKH/248 or 249, as appropriate, in Section 10 of part 5 to Schedule 4;
 - 22.2 semi-circular ends shall be provided to all intermediate piers;
 - 22.3 the drip detail to be provided on underside of parapet plinth shall not be in the form of a nosing; and
 - 22.4 all parts of structures to be within Title and Rights plots contained within the Compulsory Purchase Orders set out in Part 4 to Schedule 3.

BF297619.07