Appendix 1: Green Infrastructure Statement and Net Biodiversity Benefit

Form completed by:	**Daisy Cadet (Acer Ecology Ltd. Assistant Ecologist)**
Date:	**26/11/24**
Address of site:	**Border Retail Carpark, Holt Road, Wrexham, LL13 8NG**
Grid reference:	**SJ 33980 50534**
Description of Proposal:	**Replacement of the existing car park with a new 1,800-square-foot Costa Drive Thru with associated drive-thru lane, landscaping, drainage, and creation of accessible parking bays.**

1. Details of all existing green infrastructure on site and approximate size:

Boundary 1:	*The north-westernmost boundary includes a strip of other broadleaved woodland (approximately 80m^2) which encroaches onto the site from the woodland located to the north, containing species including silver birch (Betula pendula), oak (Quercus spp.), beech (Fagus sylvatica) and sycamore (Acer pseudoplatanus) with an understorey of bramble (Rubus fruticosus agg.), ivy (Hedera helix) and cherry laurel (Prunus laurocerasus). The woodland transitions into an area of species-poor modified grassland with scattered trees (approximately 250m^2). An area of non-native mixed scrub is also present, containing scattered lime (Tilia x europaea) and Indian cluster berry (Lonicera ligustrina) (approximately 200m^2) (ecus Ltd., 2024).*
Boundary 2:	*The eastern boundary features two areas of mixed scrub with non-native planting and scattered trees (approximately 30m^2 and 20m^2). Species within these areas comprise Indian cluster berry, other non-native species, and patches of bare ground, interspersed with lime trees (ecus Ltd., 2024).*
Boundary 3:	*The westernmost boundary comprises an area of mixed scrub with non-native species, interspersed with scattered beech and silver birch trees (approximately 50m^2) (ecus Ltd., 2024).*
Boundary 4:	*N/A*
Front Garden:	*N/A*
Rear Garden:	*N/A*
Other:	*N/A*

2. What green infrastructure features (trees, hedges, hedgebanks) have already been removed from site and/or require removal to facilitate the development (add lengths or areas)?

Boundary 1:	*Two category B2 sycamore trees within grassland and scattered trees habitat to the northwest are required for removal to facilitate the development.*
Boundary 2:	*None.*
Boundary 3:	*Loss of mixed-scrub (non-native) shrub planting to the south of boundary 3 to be replaced by new soft landscaping.*
Boundary 4:	*N/A*
Front Garden:	*N/A*
Rear Garden:	*N/A*
Other:	*N/A*

3. How are the retained features being protected during development (BS5837:2012)?

Boundary 1:	*Temporary protection fencing will be erected to enclose the Root Protection Areas (RPAs) and establish a Construction Exclusion Zone (CEZ) where no works will occur. The fencing will comply with the specifications outlined in BS 5837:2012. Existing hard surfaces within the RPAs of retained trees will be kept in place, where feasible, to act as ground protection. Any works proposed beneath the canopy or within the RPAs will follow methodologies outlined in an Arboricultural Method Statement and will be supervised by an arboriculturist, where necessary. Any potential root damage or stress will be mitigated through the mulching of retained tree RPAs with wood chip, pulverised bark, or leaf mould (ecus Ltd., 2024).*
Boundary 2:	*See above.*
Boundary 3:	*See above.*
Boundary 4:	*N/A*
Front Garden:	*N/A*
Rear Garden:	*N/A*
Other:	*N/A*

4. What Green Infrastructure is being planted as mitigation for losses?

Boundary 1:	*The proposed planting for Boundary 1 includes 30 Stipa tenuissima grasses, 29 Lonicera nitida 'May Green' shrubs, and one Corylus avellana tree. A close-mown grass area of cultivated amenity turf is also proposed. The turf will be established and maintained in accordance with BS 3969:1998 and BS 4428:1989 standards.*
Boundary 2:	*Retention of existing areas of mixed-shrub planting, with an additional new area to contain 30 Hebe albicans 'Red Edge' shrubs, one Carpinus betulus 'Frans Fontaine' tree, and 25 Lonicera nitida 'May Green' shrubs.*
Boundary 3:	*New areas of planting are proposed within boundary 3, including 21 Carex morrowii 'Ice Dance' grasses, 22 Hebe albicans 'Red Edge' shrubs, and 1 Carpinus betulus 'Frans Fontaine' tree. A hedge comprising 75 Carpinus betulus plants will be established, along with 3 Acer campestre 'Streetwise' trees. These will be integrated within an area of cultivated amenity turf, maintained as close-mown grass in line with BS 3969:1998 and BS 4428:1989 standards.*
Boundary 4:	*N/A*
Front Garden:	*N/A*
Rear Garden:	*N/A*
Other:	*N/A*