



DO NOT SCALE

KEY

-  Proposed Linear Belts of Trees and Shrubs (LE 2.4)
Tree and shrub planting to comprise appropriate locally occurring native species
-  Proposed Species-rich Grassland (LE 1.3)
-  Proposed Wet Grassland (LE 6.4)
-  Proposed Swales/Attenuation Ponds
-  Proposed Extra Heavy Standard Trees, Multi-stem trees and Shrubs (LE 2.7)
To include appropriate locally occurring native species
-  Proposed Trees (Provisional)
Dependent on situation after phase 1 is completed to include appropriate locally occurring native species
-  Proposed Bird Boxes
-  Proposed Log Piles
-  Proposed Bat Boxes
-  Retained Tree Groups
-  Tree Groups to be removed
-  Trees to be retained
-  Trees to be removed

Ecological Target Notes:
Refer to 'Ecological Mitigation & Enhancement Strategy' (Report No. 70031261-603) for further detail.

Enhancement of retained habitat

- Removal of invasive snowberry from the woodland to prevent the spread of this species and allow other native understorey to develop. Due to the invasive nature of this species, a sustained removal programme may be required.
- Log piles should be created post-tree cutting to create refugia and habitat for a variety of species including reptiles and invertebrates.
- A selection of bat and bird boxes should be installed on mature trees retained at the edges of the Site in the woodland and on scattered trees to provide additional roosting/ nesting opportunities. A variety of designs should be used to benefit a range of species. Bat and birds boxes should generally be installed in locations where they are unlikely to be disturbed, not in direct sunlight and as close as possible to vegetation. Bat boxes should be installed in a range of aspects which would promote usage at different times of year. This could be achieved by mounting multiple boxes on a single tree.

Newly created habitats

- Re-plant habitat within the working area following completion of the Proposed Development.
- Native berry bearing shrub species should be included in landscaping (such as hawthorn, blackthorn and guelder rose), to provide replacement foraging resource fauna including birds.
- Where grassland herbaceous planting is included, species rich grassland and wildflower seed mixes should be used where possible, and
- Topsoil should be retained and reused where possible. Grassland and wildflower communities will have a higher likelihood of developing into diverse communities where nutrient enrichment is low, and the retained topsoil will contain a seed bank of locally suitable species.

Drainage

- Native planting should be used within the drainage basin and swale areas where achievable. This should include submerged, emergent, floating and marginal plant species such as floating sweet-grass *Glyceria* sp., water mint *Mentha aquatica* and water forget-me-not *Myosotis scorpioides*. This will provide suitable sheltering, foraging and breeding opportunities for fauna such as amphibians and invertebrate.
- Creation of variable depth profiles within the drainage basin and swale to allow for a rich plant community to develop whilst also providing water depths favourable to multiple species including common frog and toad.

Notes

- Based on drawing '70031261-WRR2-100-009.dwg' (received 23.01.2018).
- Where tree/shrub vegetation is planted adjacent to a fence/kerb/hard surface, it should be positioned 1m from the edge.
- All planting and grasses to be native and of local provenance where available.
- Landscape Element (LE) numbers in parenthesis cross-refer to DMRB the Highways Agency DMRB, Volume 10: Environmental Design and Management, Section 0: Environmental Objectives.
- Please refer to Arboricultural Assessment for details on locally occurring native species.
- Please refer to Arboricultural Assessment Tree Removal Plan for further detail on trees and vegetation to be retained or removed and Root Protection Zones.
- It is anticipated that a detailed landscape design will be dealt with via planning condition.

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REV	DATE	BY	DESCRIPTION	CHK	APP
P1	30/08/2018	SC	PLANNING REISSUE - MITIGATION PLANTING CHANGED TO BE IN LINE WITH THE MODIFIED HIGHWAY ALIGNMENT	SC	PN
-	21/06/2018	DH	PLANNING	DH	DAE

DRAWING STATUS: For Planning



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PROJECT:
Winnersh Relief Road Phase 2

TITLE:
Landscape Mitigation Plan Sheet 4 of 4

SCALE @ A1: 1:500	CHECKED: DH	APPROVED: DAE
PROJECT No: 70031261	DESIGNED: DH	DRAWN: AYC
DATE: 21/06/2018		REV: P1
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