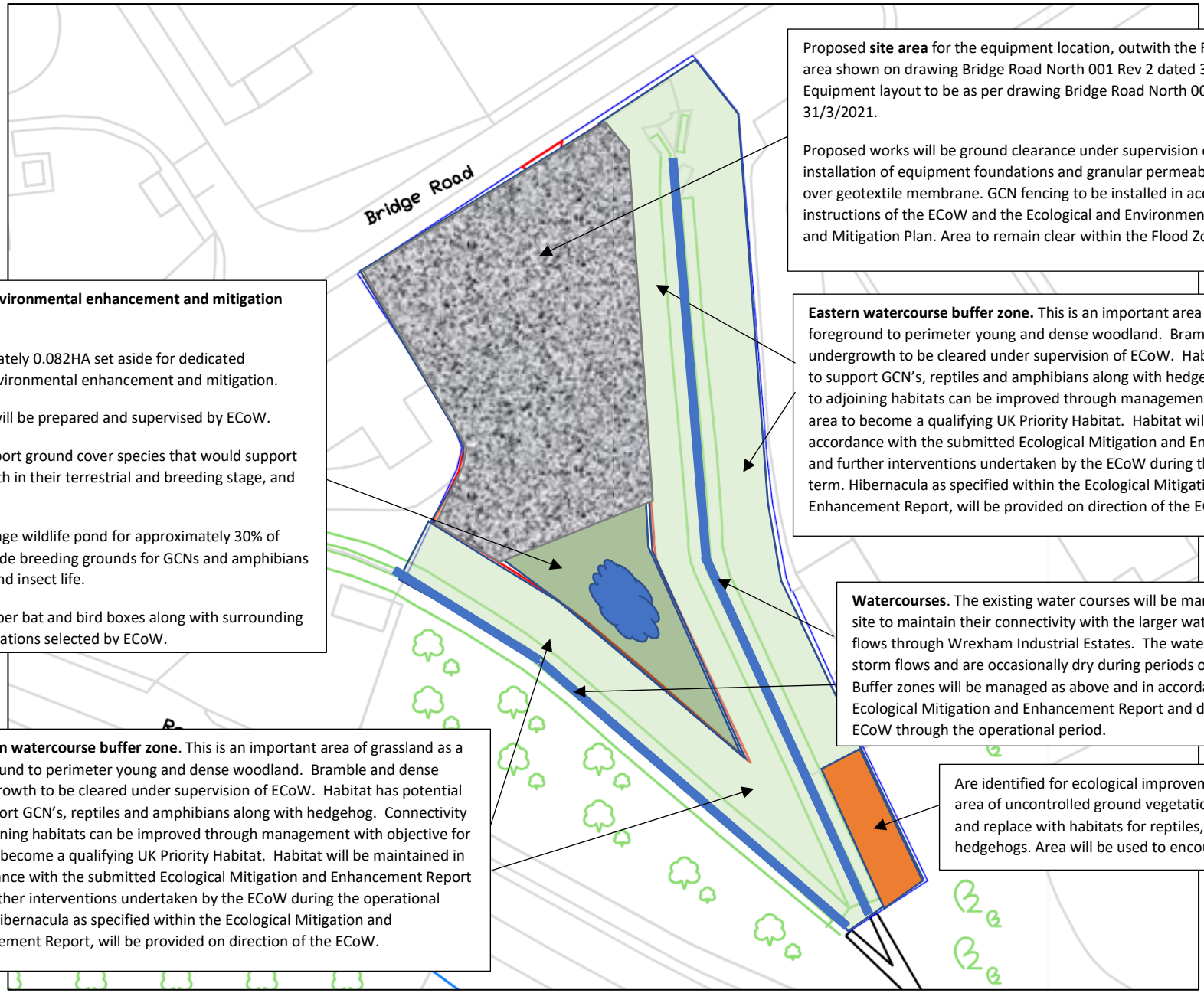
Proposed diagram of ecological and habitat management areas



Proposed **site area** for the equipment location, outwith the Flood Zone C2 area shown on drawing Bridge Road North 001 Rev 2 dated 31/3/2021. Equipment layout to be as per drawing Bridge Road North 001 Rev 2 dated 31/3/2021.

Proposed works will be ground clearance under supervision of ECoW, installation of equipment foundations and granular permeable material laid over geotextile membrane. GCN fencing to be installed in accordance with instructions of the ECoW and the Ecological and Environmental Enhancement and Mitigation Plan. Area to remain clear within the Flood Zone C2.

Ecological and environmental enhancement and mitigation area

Area of approximately 0.082HA set aside for dedicated ecological and environmental enhancement and mitigation.

Target activities will be prepared and supervised by ECoW.

Improve and support ground cover species that would support reptiles, GCNs both in their terrestrial and breeding stage, and hedgehogs.

Provide and manage wildlife pond for approximately 30% of land area to provide breeding grounds for GCNs and amphibians and other pond and insect life.

Provide two number bat and bird boxes along with surrounding hibernacula at locations selected by ECoW.

Eastern watercourse buffer zone. This is an important area of grassland as a foreground to perimeter young and dense woodland. Bramble and dense undergrowth to be cleared under supervision of ECoW. Habitat has potential to support GCN's, reptiles and amphibians along with hedgehog. Connectivity to adjoining habitats can be improved through management with objective for area to become a qualifying UK Priority Habitat. Habitat will be maintained in accordance with the submitted Ecological Mitigation and Enhancement Report and further interventions undertaken by the ECoW during the operational term. Hibernacula as specified within the Ecological Mitigation and Enhancement Report, will be provided on direction of the ECoW.

Watercourses. The existing water courses will be managed through the site to maintain their connectivity with the larger water course that flows through Wrexham Industrial Estates. The watercourses carry storm flows and are occasionally dry during periods of low rainfall. Buffer zones will be managed as above and in accordance with the Ecological Mitigation and Enhancement Report and directions from the ECoW through the operational period.

Western watercourse buffer zone. This is an important area of grassland as a foreground to perimeter young and dense woodland. Bramble and dense undergrowth to be cleared under supervision of ECoW. Habitat has potential to support GCN's, reptiles and amphibians along with hedgehog. Connectivity to adjoining habitats can be improved through management with objective for area to become a qualifying UK Priority Habitat. Habitat will be maintained in accordance with the submitted Ecological Mitigation and Enhancement Report and further interventions undertaken by the ECoW during the operational term. Hibernacula as specified within the Ecological Mitigation and Enhancement Report, will be provided on direction of the ECoW.

Are identified for ecological improvement to remove area of uncontrolled ground vegetation and brambles and replace with habitats for reptiles, amphibians and hedgehogs. Area will be used to encourage bio-diversity.