Appendix 19 - Copies of Exhibition Boards

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Managing the Environment

Heritage, Landscape and Visual Considerations

Our application will include a detailed assessment of the landscape and visual impacts of the proposals, along with an evaluation of the effects on the setting of heritage assets, including the Diseworth Conservation Area and nearby listed buildings. The assessment work is ongoing, but has informed the proposals to date.

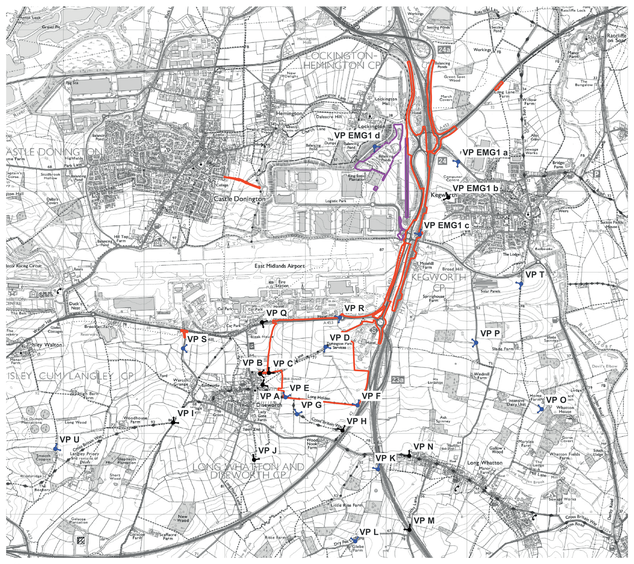
EMG2 Main Site is currently arable farmland, with its context shaped by the M1/A42 interchange and urban influences to the north and east, including the Airport and the motorway service station, which offer some enclosure. To the south and west, the area is more rural and open, with the land generally sloping southward.

The landscape strategy devised for the EMG2 Main Site is illustrated on the Landscape Framework Plan and the cross-sections shown opposite. Key to the strategy is the introduction of significant new perimeter landscaped mounding, which will help to mitigate the landscape and visual impacts of the development and reduce the potential harm to the setting of the heritage assets.

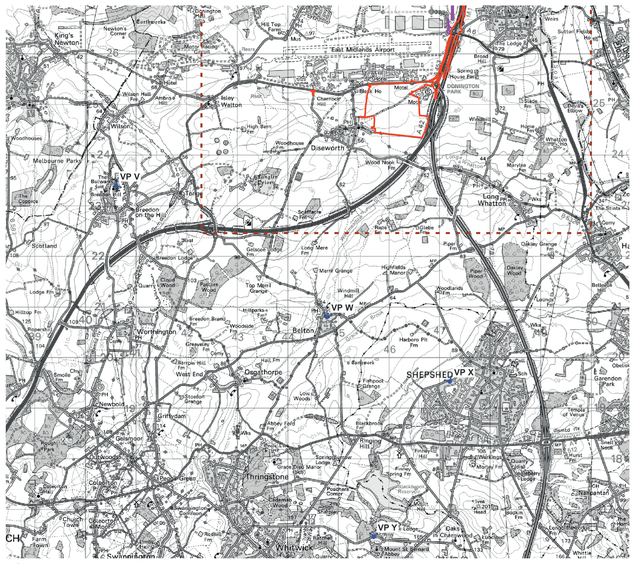
While the proposals will bring permanent changes to the existing landscape and the setting of heritage assets, every effort will be made to minimise these impacts. Over time, as the new landscaping (trees and other planting) matures, the landscape, visual, and heritage effects are expected to lessen.

The landscape mitigation has evolved and has taken into account feedback from the local plan consultation and discussions with the planning authority and Parish Council. As a result, the development boundary has been moved further back from Diseworth, maintaining a more open edge to the village. Additionally, the four field parcels closest to the village, totalling approximately 13 hectares, will remain open and reserved for informal public access, biodiversity improvements, and surface water drainage attenuation. The evolution is shown on the adjacent plans.

Viewpoint Locations



Viewpoint Locations (Wider Context)



Heritage assets plan (RPS)

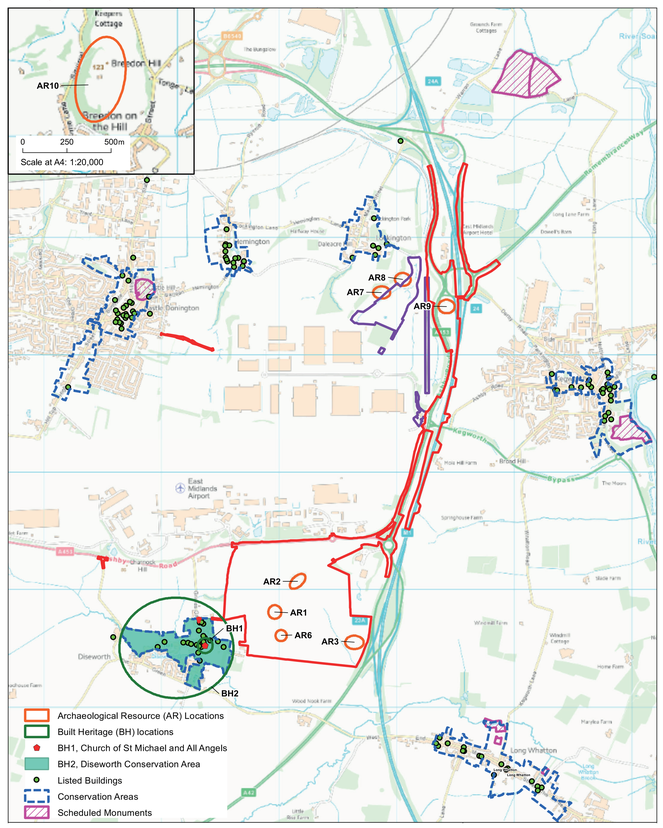


Illustration of EMG2 Main Site showing western buffer (Prior to feedback and community liaison)

Illustration of EMG2 Main Site showing western buffer (After feedback and community liaison)

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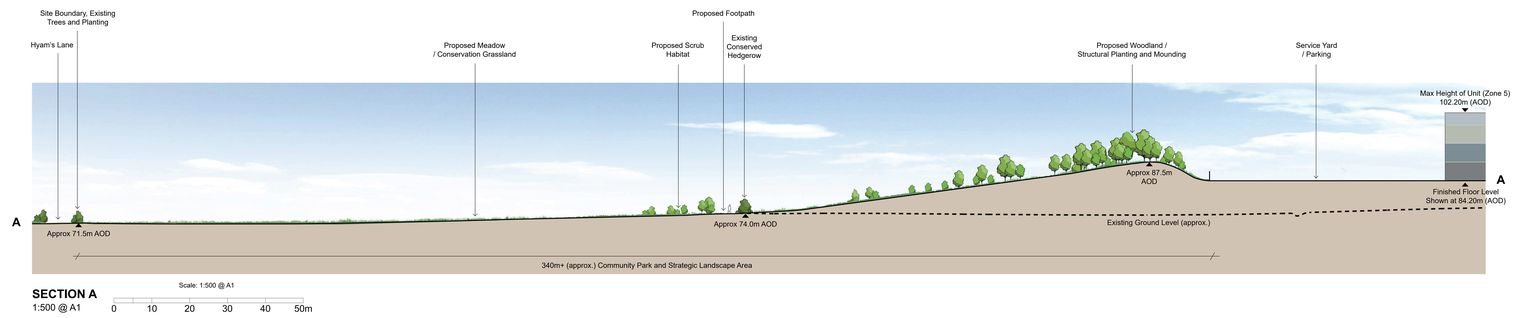
Managing the Environment

Heritage, Landscape and Visual Considerations

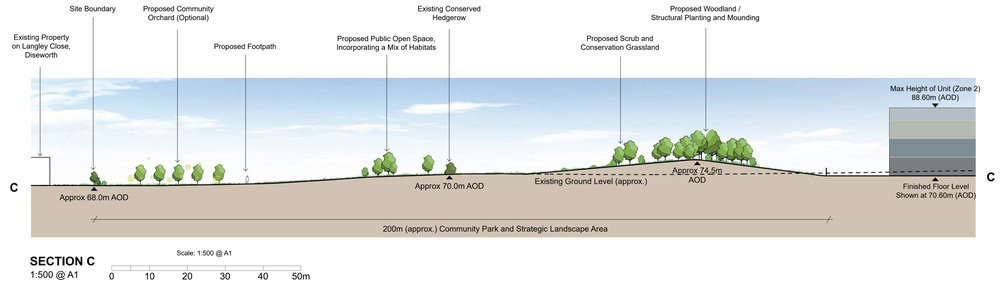
The following images present examples of sections through, and before and after photomontages of, the EMG2 Main Site.

Cross Sections reference

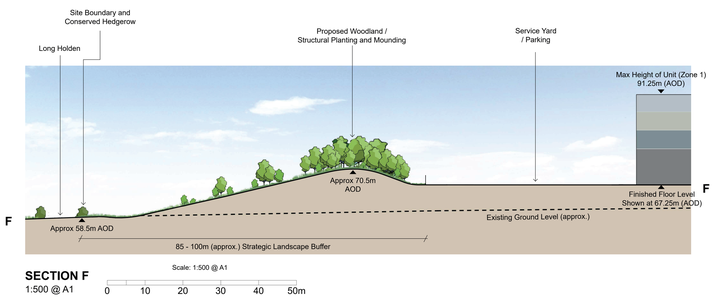
Cross section from Hyam's Lane, Diseworth



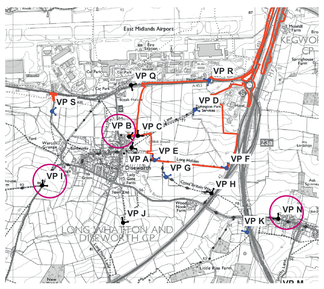
Cross section from Langley Close, Diseworth



Cross section from Long Holden



Viewpoint locations reference



Viewpoint B (from western end of Hyam's Lane)

Now

Completion

15 years time

Viewpoint I (from west of Diseworth)

Now

Completion

15 years time

Viewpoint N (Western edge of Long Whatton)

Now

Completion

15 years time

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Managing the Environment

Ecology, Flood Risk and Drainage

Drainage and Flood Risk

A detailed assessment of flood risks and drainage is being prepared and is informing the proposals.

The EMG2 Main Site is located within 'Flood Zone 1' where there is the lowest probability of flooding from watercourses.

In terms of the risk of surface water run off from the site causing a flood risk elsewhere, a detailed drainage strategy is being designed to ensure the proposals will not exacerbate the risk of flooding in Diseworth or Long Whatton.

The drainage strategy will intercept the rainwater falling on the EMG2 Main Site (both during construction and operation), before discharging it to the local watercourse in the south-eastern corner at a rate that mimics the existing runoff rate from the site. In larger storm events this will represent a reduction in runoff, thereby providing a reduction in downstream flood risk. Therefore, there is expected to be no detrimental impacts on flood risk within Diseworth or Long Whatton and potentially will offer some improvement.

The drainage scheme will also be designed to provide water quality treatment to the surface water runoff. This will comprise a series of swales and dry basins along the western and southern boundaries of the EMG2 Main Site.

Drainage for the EMG1 Works and the Highway Works will for the most part integrate with the existing drainage infrastructure and will follow similar sustainable drainage principles.

Ecology

A full ecological assessment and protected species surveys of the EMG2 Main Site has been undertaken and work is currently underway to refresh surveys where necessary and survey the land required for the Highways Works and EMG1 Works.

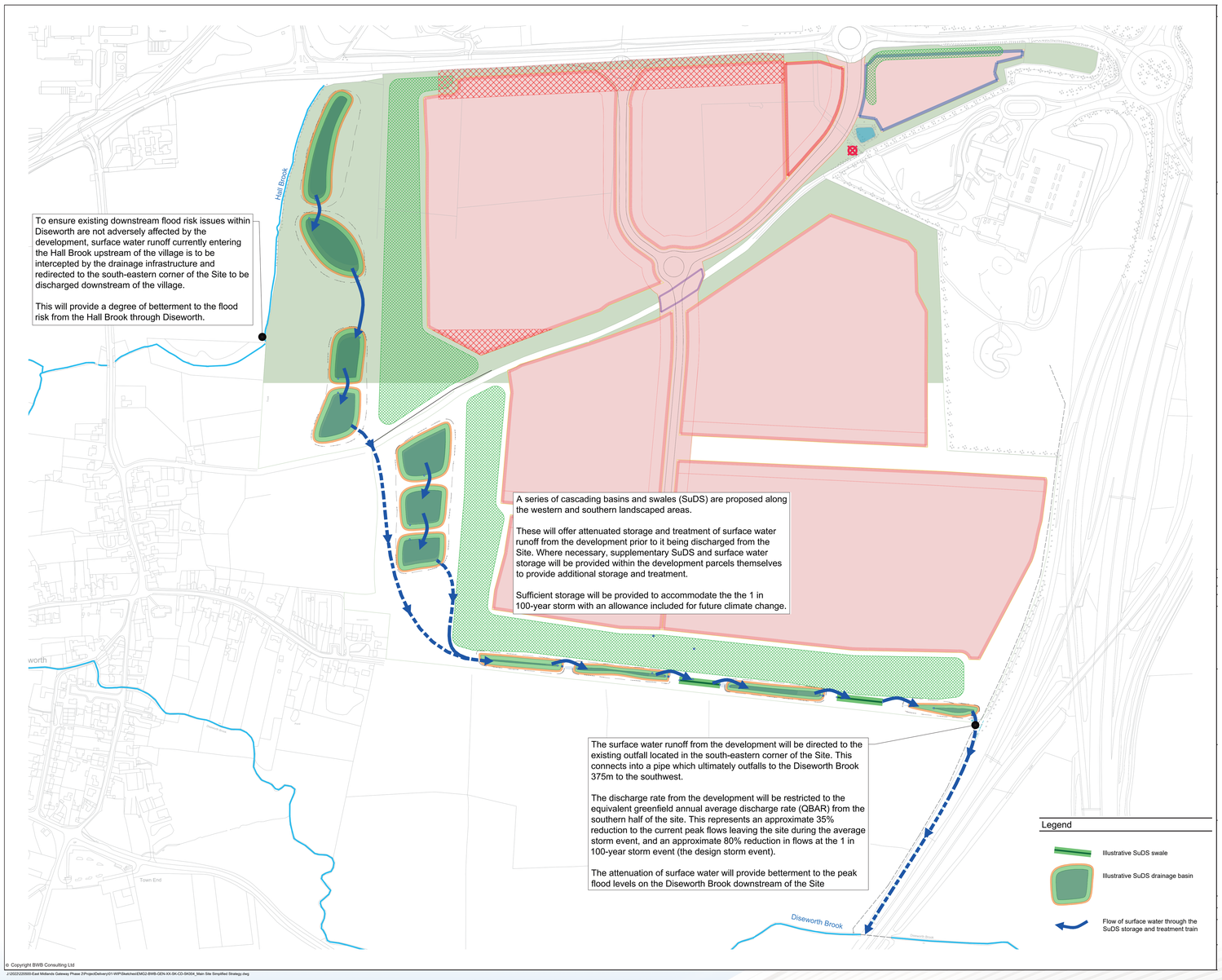
There are no international or nationally designated sites of nature conservation interest within the relevant local area of search. There are two candidate Local Wildlife Sites adjoining the site boundary.

The EMG2 Main Site is of relatively low ecological value and comprises arable fields, open grassland, ditches, bare ground, areas of scrub and ponds. Hedgerows form an extensive network across the site and there are some high quality trees. Notable species that have been found using the site include badgers, bats, farmland birds, newts hedgehog and hares.

Mitigation and compensation will form an integral part of the proposals both during construction and operation of the development.

New ecological habitats are proposed within the proposed community park along the western edge of Diseworth and around the other site boundaries, and within land between EMG1 and Castle Donington. This will include new woodland areas and species rich grassland. These habitats will be of significantly higher value than the arable habitats currently present on the Main Site and post completion the development is targeting 10% biodiversity net gain.

EMG2 Main Site Drainage Strategy



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