



WOODHATCH CREMATORIUM

Public Consultation

OCTOBER 2020



Agenda

1. Welcome & Introduction by Cllr Archer
Executive Member for Investment and Companies
2. Woodhatch Crematorium Proposals
Presentation by the Professional Design Team
3. Public Questions
Received during the meeting via email:
woodhatchfeedback@reigate-banstead.gov.uk
4. Closing Comments by Cllr Archer
Executive Member for Investment and Companies

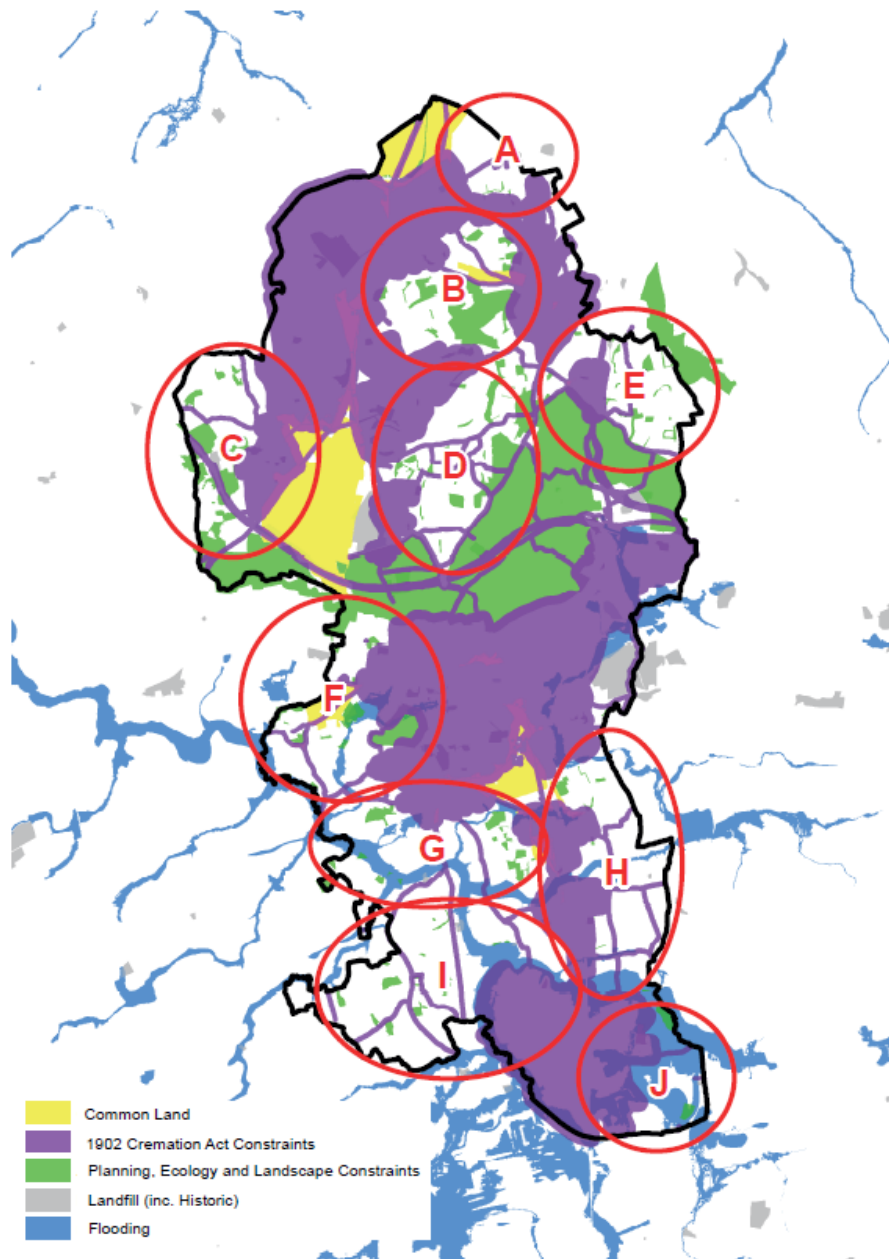
Woodhatch Crematorium: Proposal Overview

Cllr Archer, Executive Member for Investment and Companies



Woodhatch Crematorium: Design Team Presentation

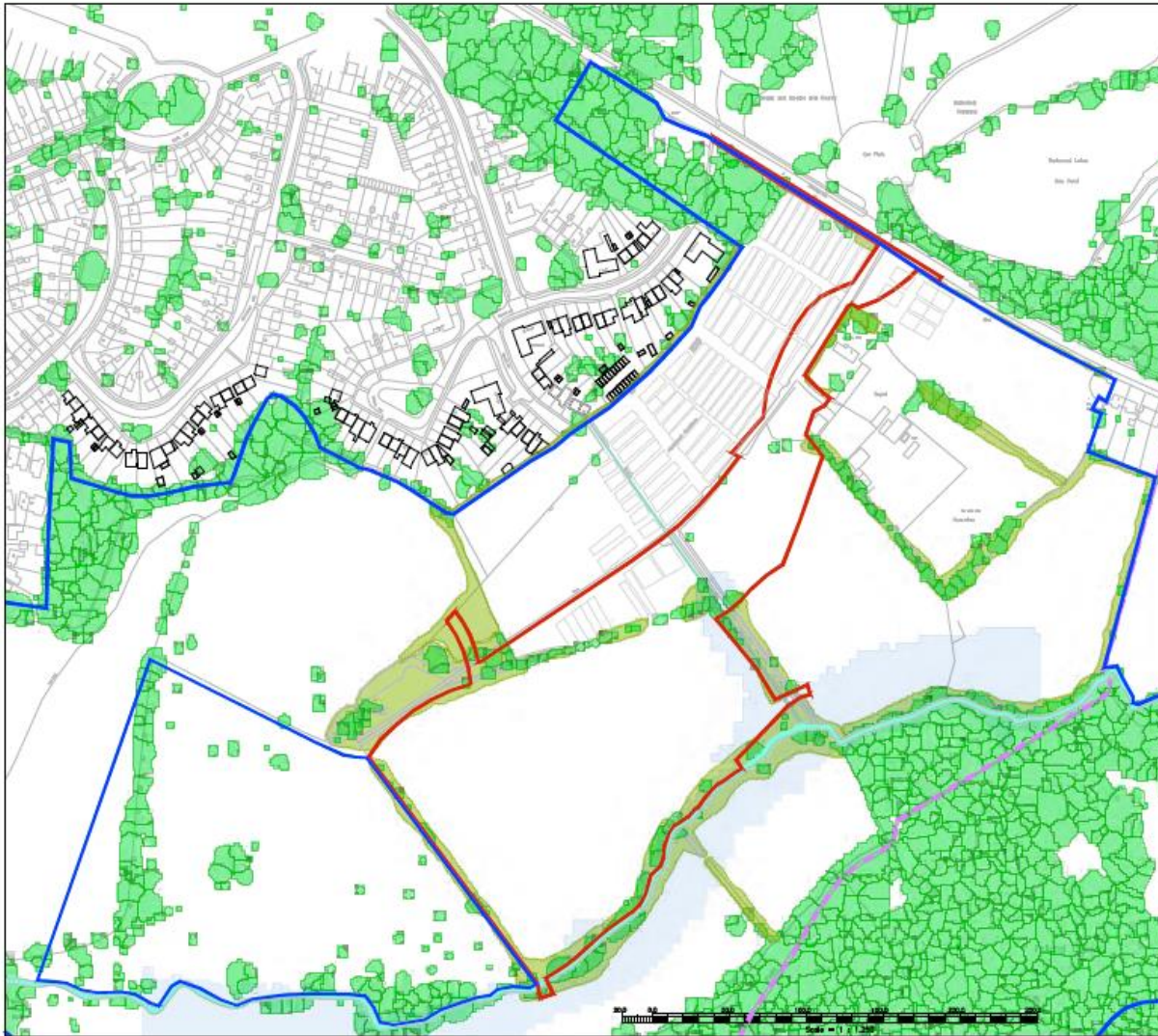
Kirstie Clifton
Associate Director
Define



WOODHATCH CREMATORIUM



WOODHATCH CREMATORIUM



Constraints Plan

-  Red Line
Project Boundary Line
-  Blue Line
Area under control of RBBC
-  Allotments
-  National Tree Mapping
-  Vegetation Mapping from aerial
Photography
-  Environment Agency Flood Zone
-  Public Footpath

Woodhatch Crematorium: Design Team Presentation

Ben Fairgrieve
Associate Director
Mode Transport Planning

Sustainable Access



Traffic, Capacity and Safety

Crematorium could host 8 services per day at maximum operation.

Based on surveys of other crematoria, each service on average is calculated to generate 62 vehicle trips (31 in, 31 out).

This could equate to c. 500 trips per day during the busiest periods.

Crematoria traffic is typically off-peak minimising impacts on the wider network during most sensitive periods.

Link capacity of Woodhatch Road has been considered and it is not breached, nor is close to being breached in any scenario considered.

Capacity assessment of site access demonstrates that the arrangement works with spare capacity. This analysis includes existing users.

Highway safety analysis of the most recent five year period of data has been completed.

No trends or issues relating to the highway layout are identified that will require addressing.

Access designed in line with adopted standards and no capacity issues forecast that could lead to unsafe conditions

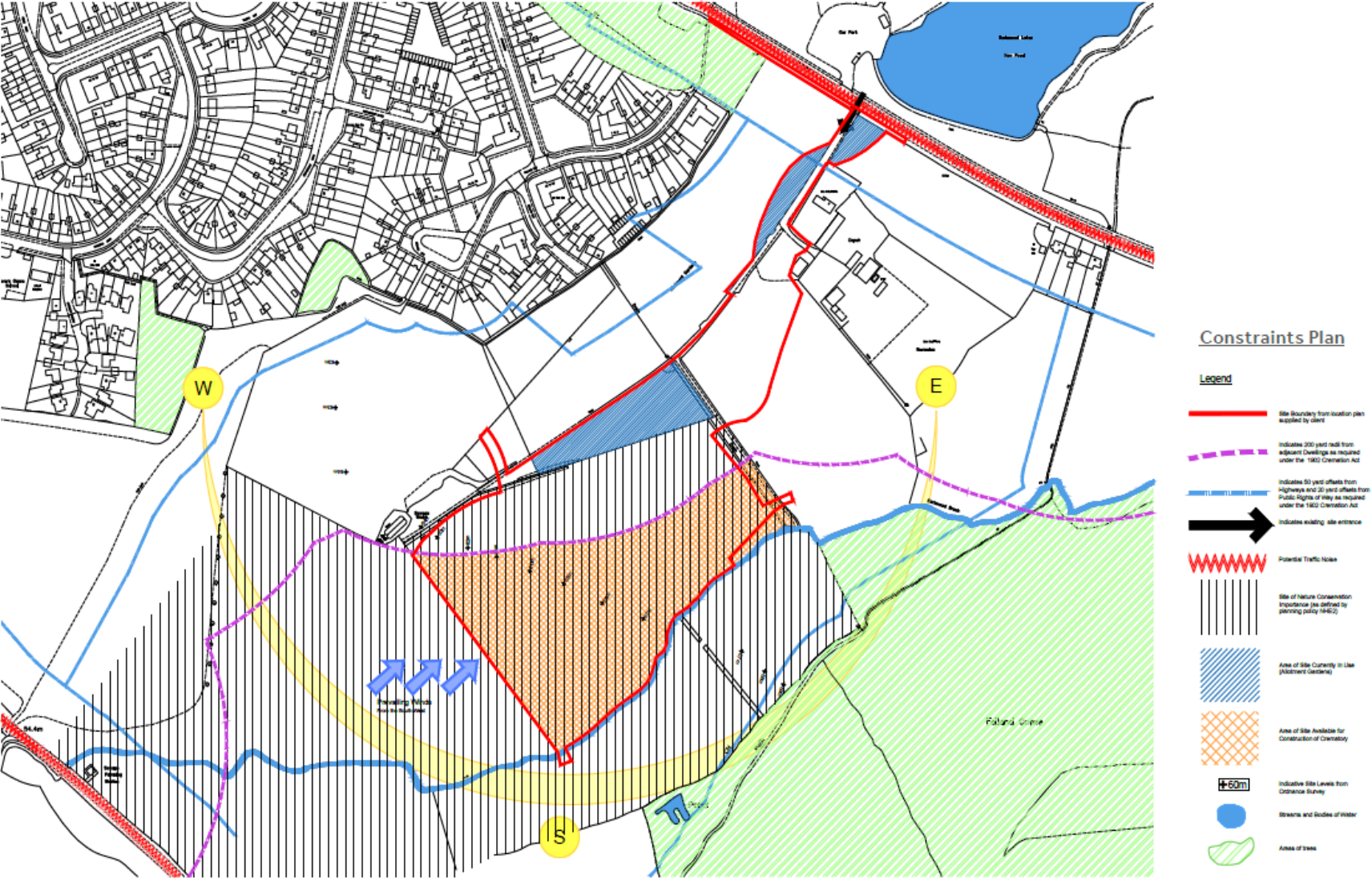
Woodhatch Crematorium: Design Team Presentation

Trevor Furse
Furse Landscape Architects
&
Lee Batten
Clague Architects

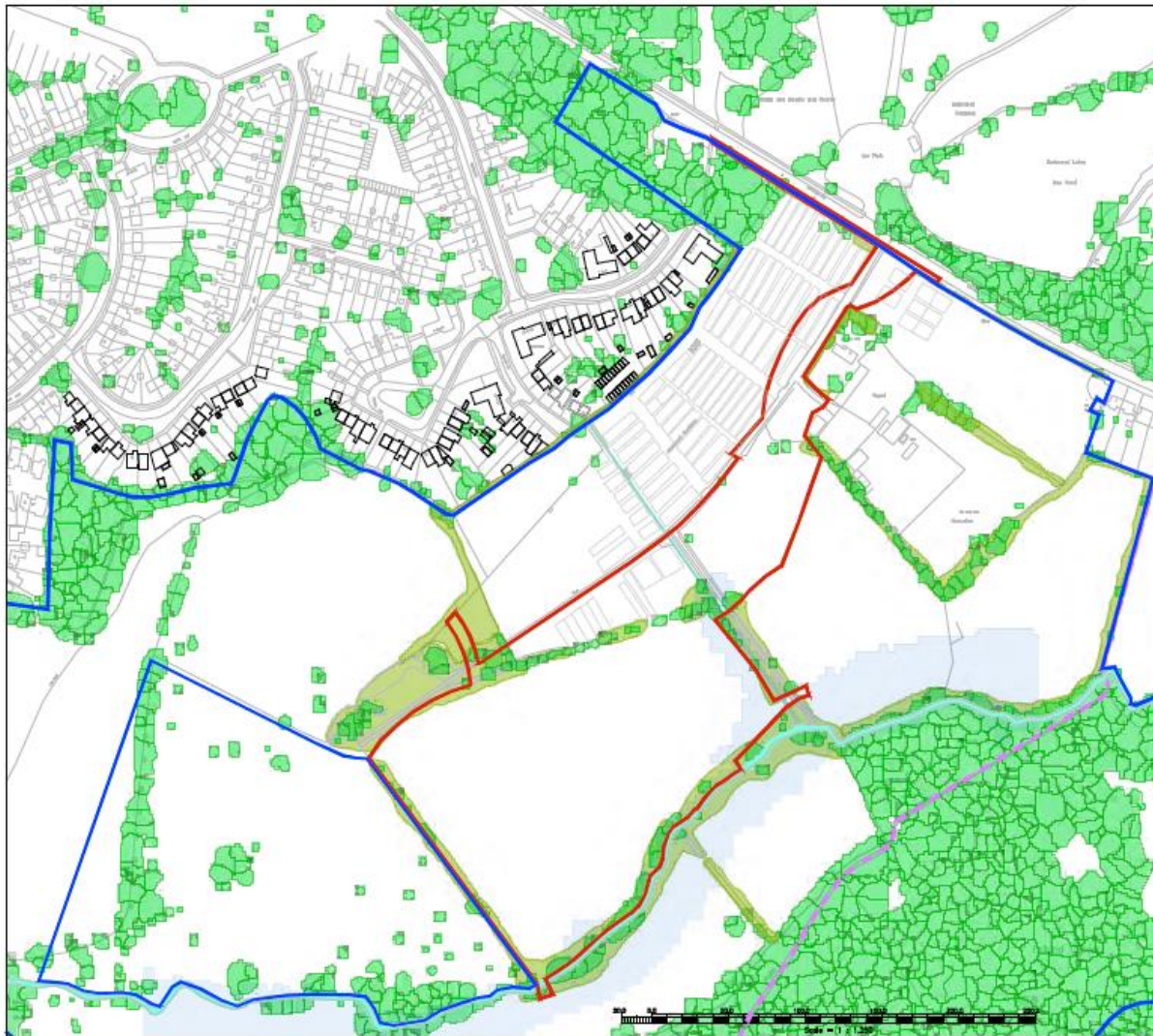
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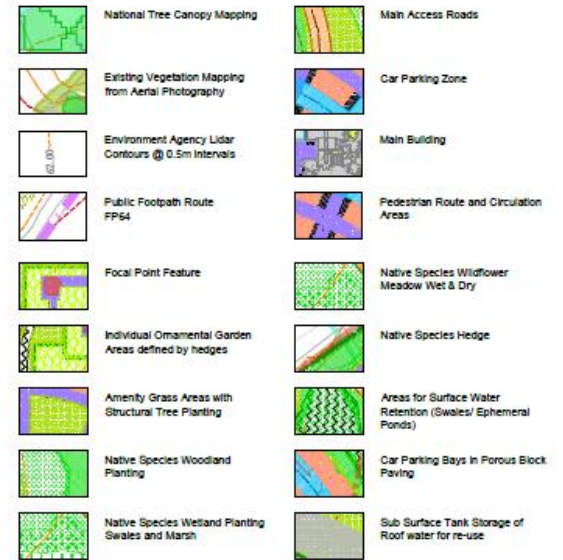
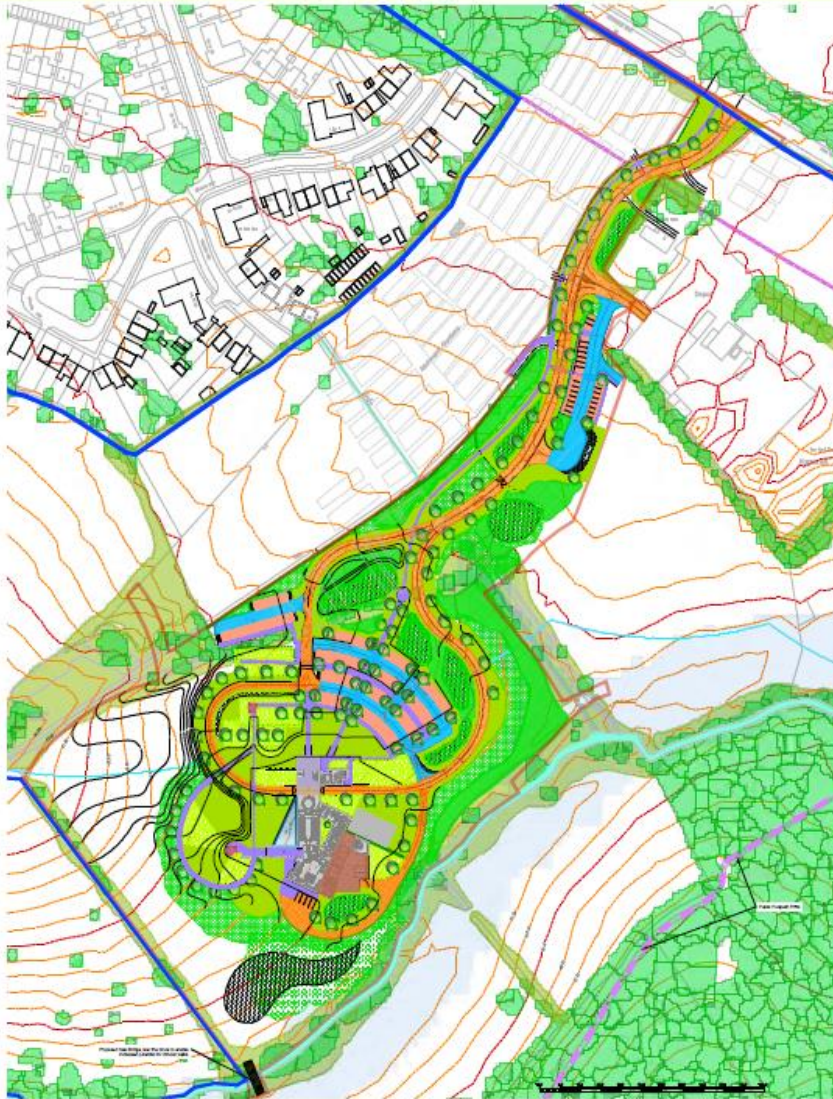
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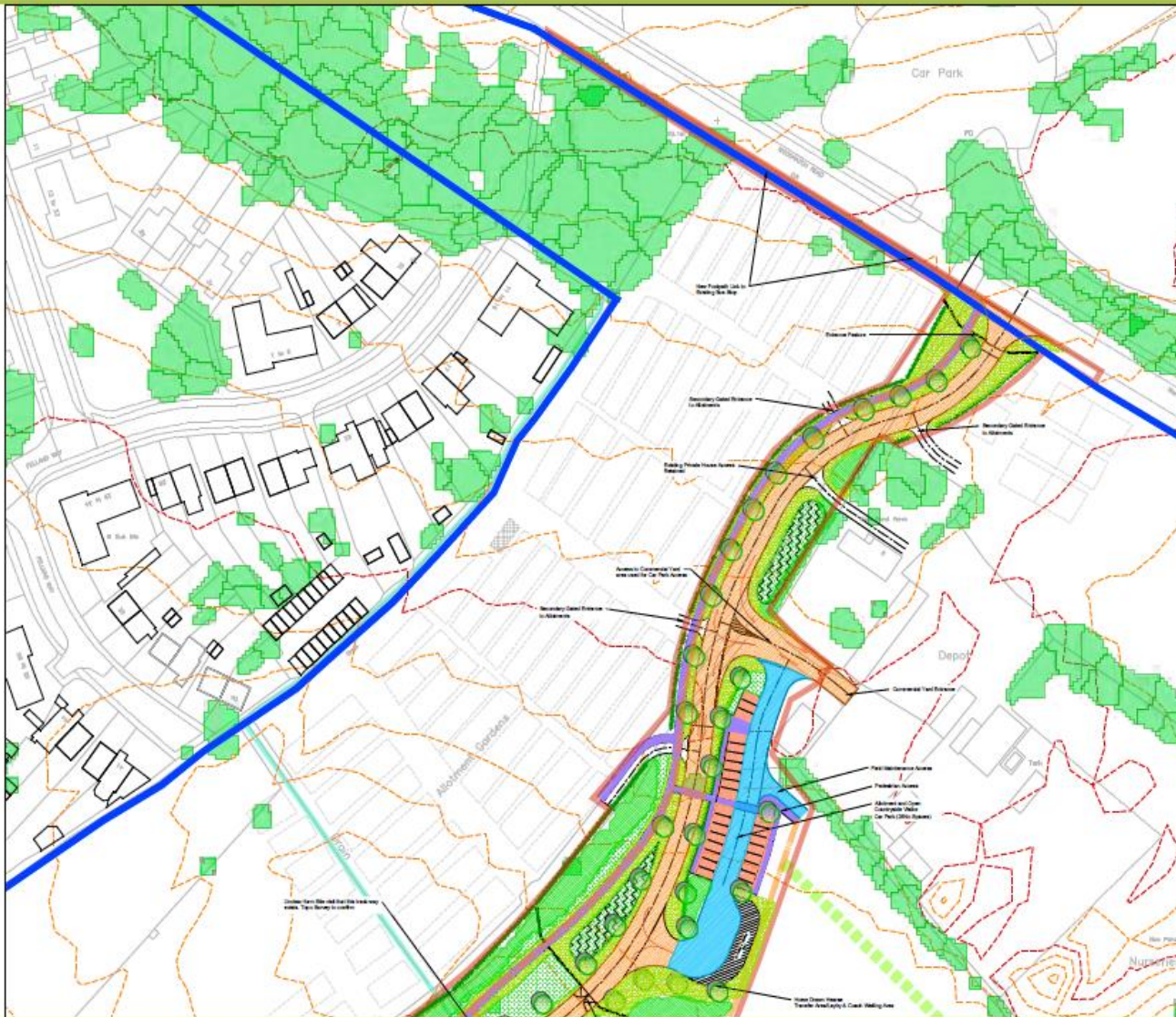
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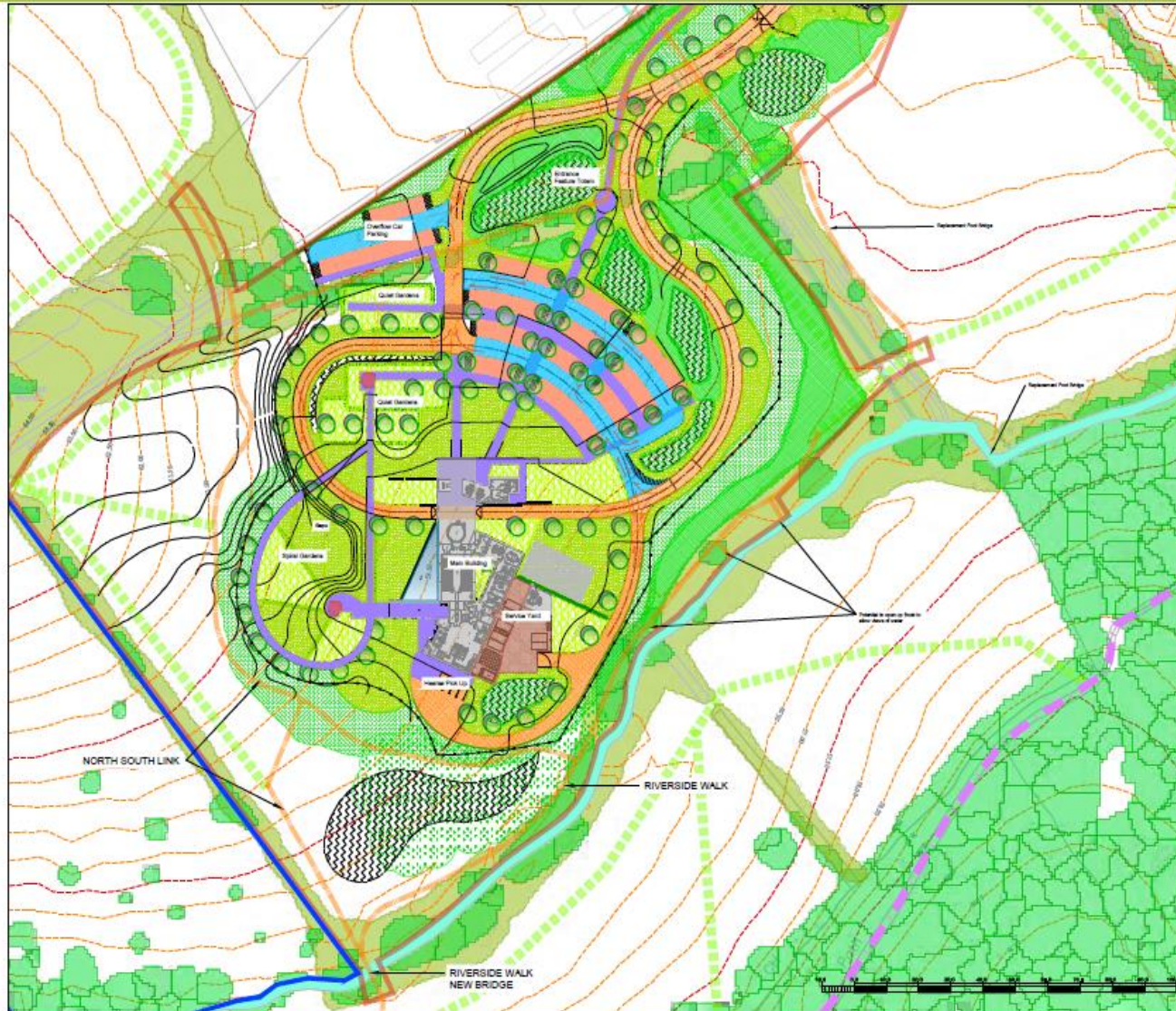


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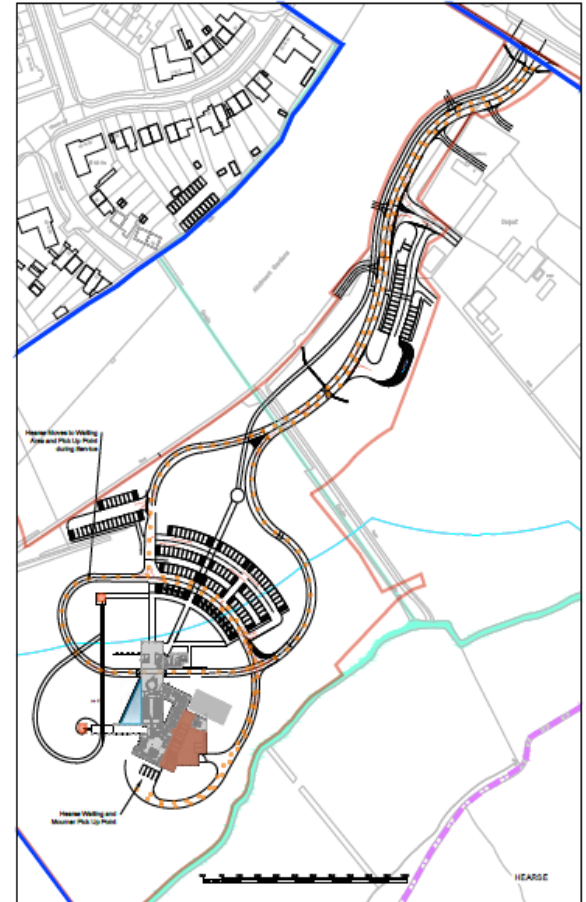
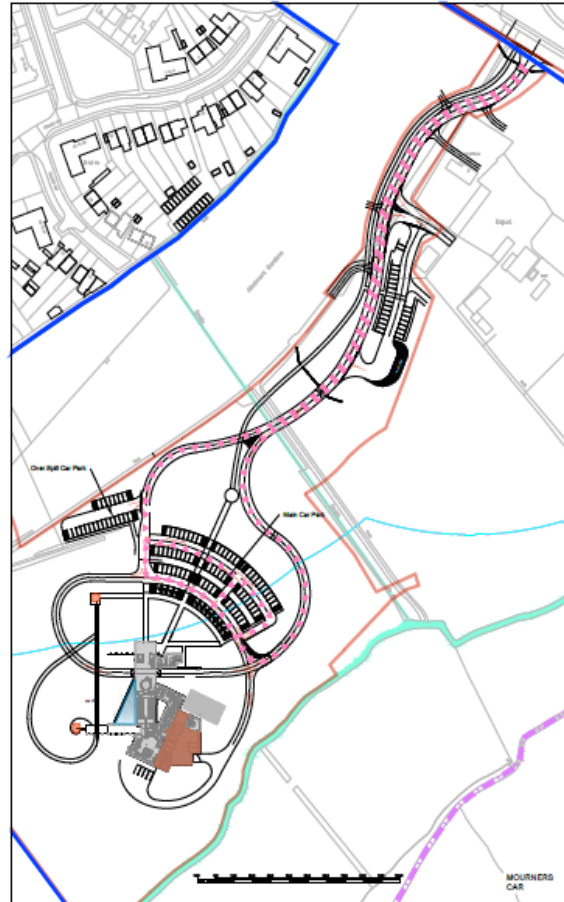
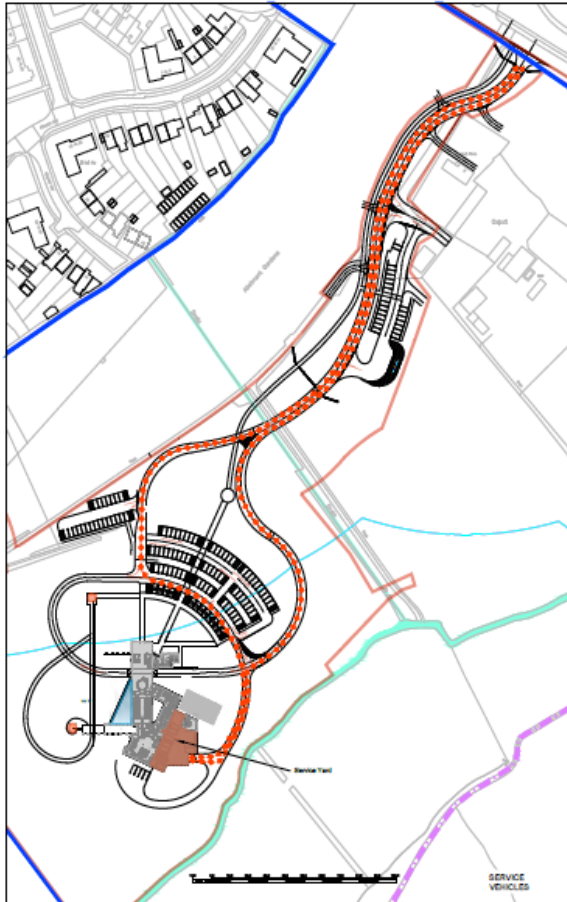
-  National Tree Canopy Mapping
-  Environment Agency Litter Contours @ 0.5m Intervals
-  Environment Agency Flood Zone 3 & 4
-  Current Development Red Line
-  Main Access Roads
-  Car Parking Zone
-  Main Building
-  Pedestrian Route and Circulation Area
-  Focal Point Feature
-  Individual Ornamental Garden Areas defined by hedges
-  Amenity Grass Area with Structural Tree Planting
-  Native Species Woodland Planting
-  Native Species Wildflower Meadow Wet & Dry
-  Native Species Hedge
-  Areas for Surface Water Retention (Swales/ Ephemeral Ponds)
-  Car Parking Bays in Porous Block Paving

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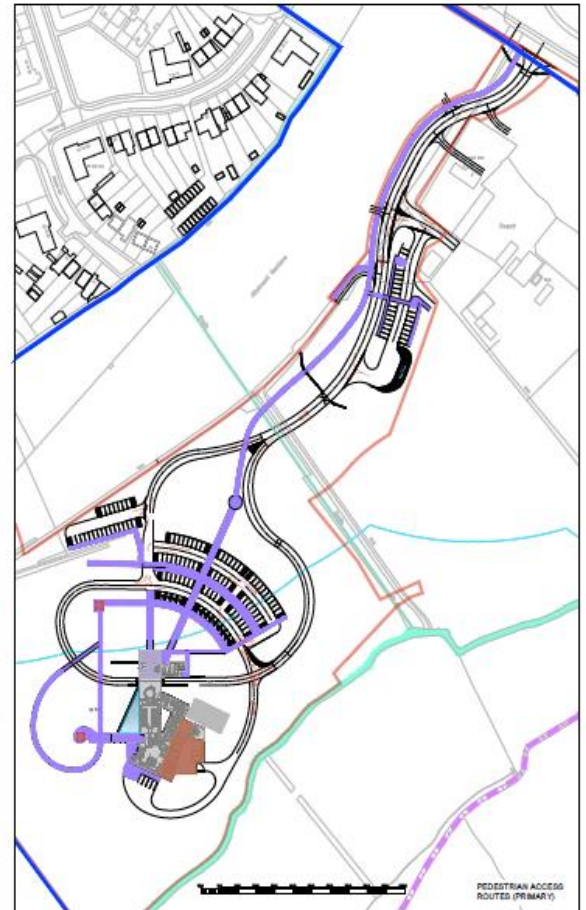
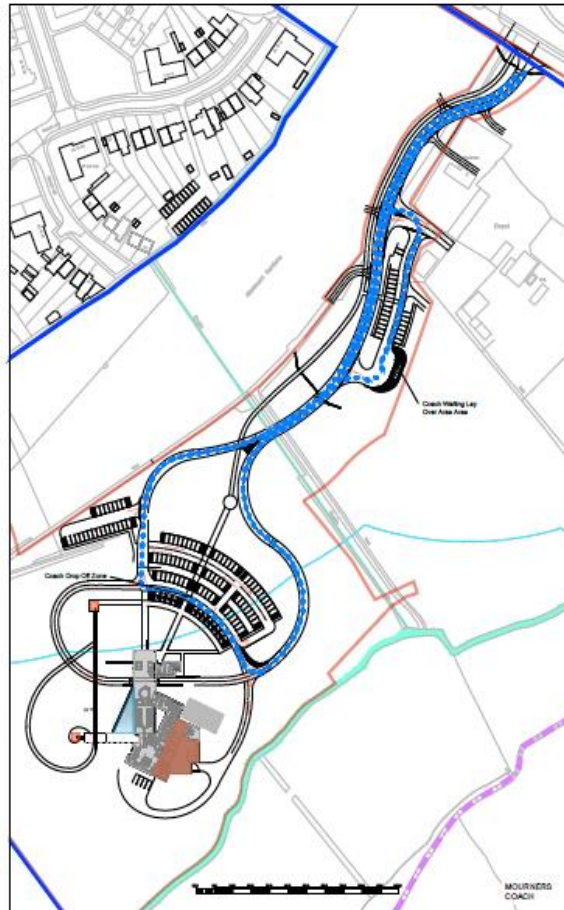
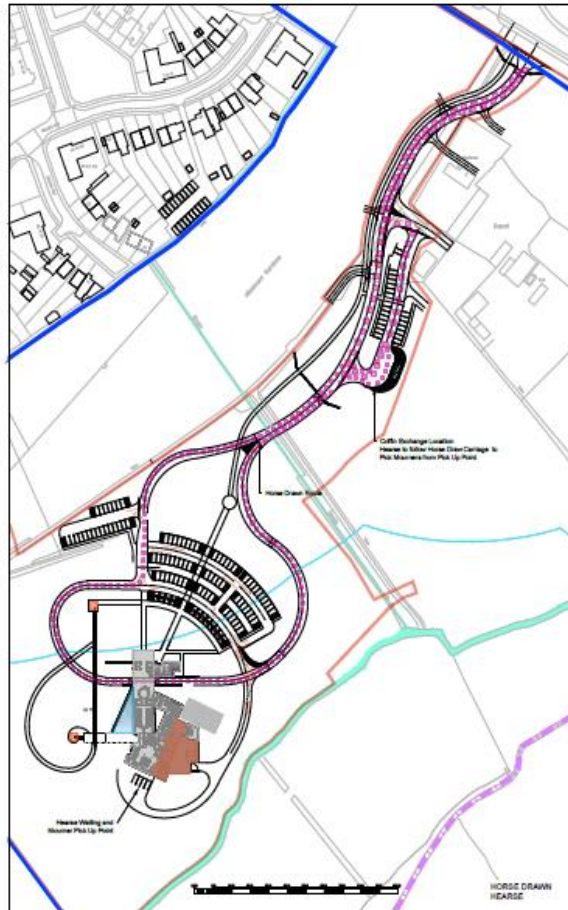


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-  Main Building
-  Pedestrian Route and Circulation Areas
-  Focal Point Feature
-  Individual Ornamental Garden Areas defined by hedges
-  Amenity Grass Areas with Structural Tree Planting
-  Native Species Woodland Planting
-  Native Species Wetland Planting Swales and Marsh
-  Native Species Wetflower Meadow Wet & Dry
-  Native Species Hedge
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-  Car Parking Bays in Porous Block Paving

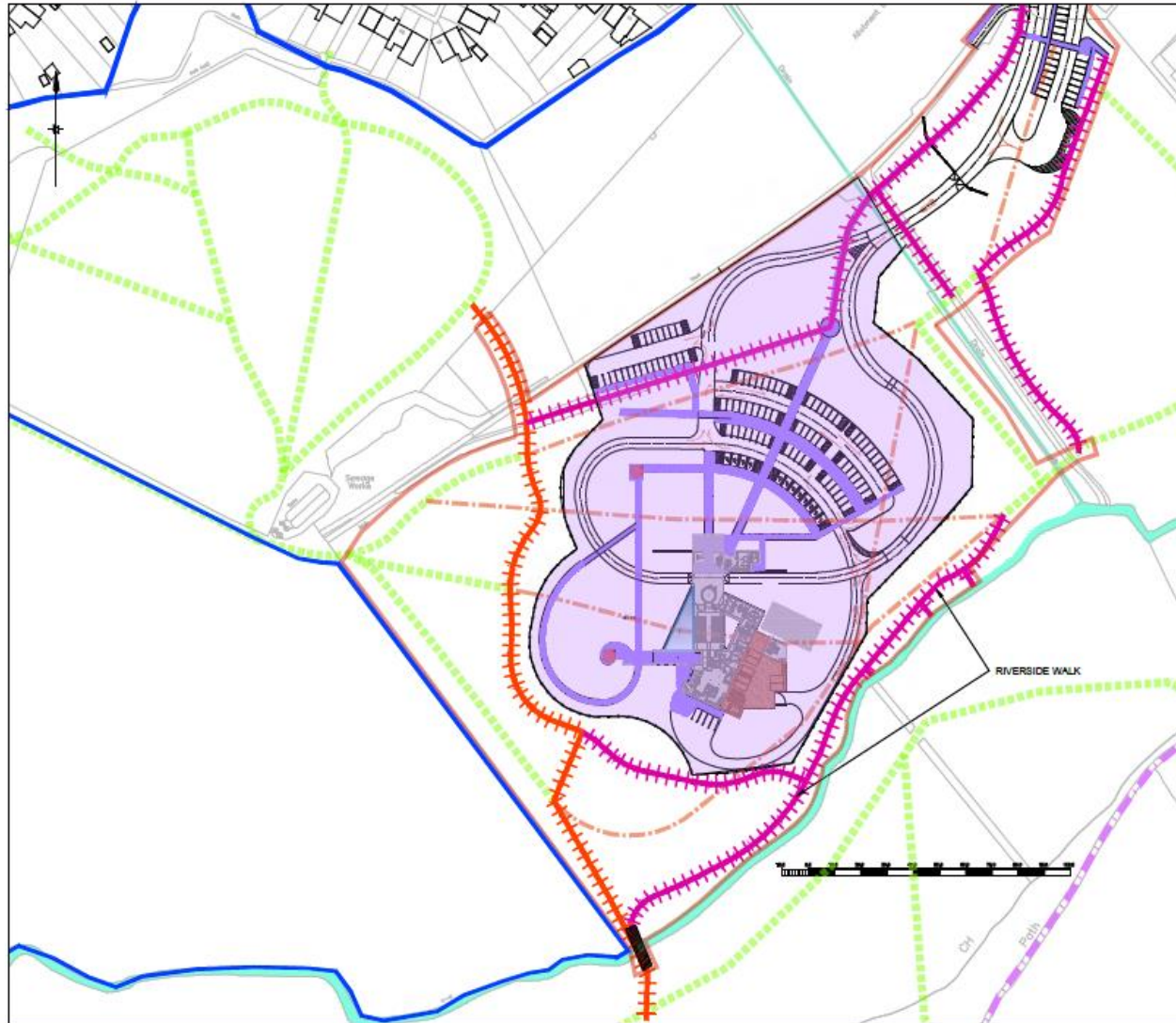
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
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Permissive Footpath Key:

-  Existing Permissive Footpath
-  Existing Permissive Footpath Diverted (800 in M)
-  New Permissive Footpath (850 in m main area = 430 in m Road Link Footpath) Includes:
-  New Permissive Footpath Strategic North South Link
-  Project Red Line
-  Project Blue Line RBEC Landholding

Dog Walking Provision

-  Dogs to be requested to be kept on leads within this area

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PROPOSED FLOOR PLAN

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NORTH ELEVATION

Waiting Room & Public WC's

Book of Remembrance

Flower Garden



EAST ELEVATION

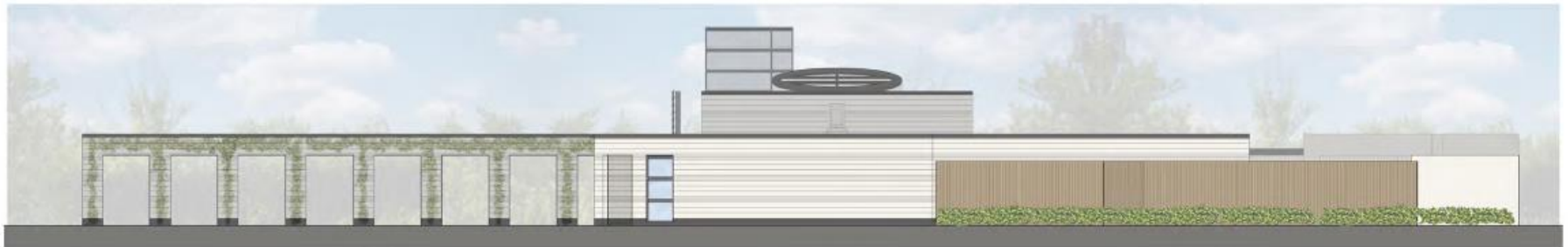
Service Yard

Administration Building

Port Coaches

Waiting Room & Public WC's

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SOUTH ELEVATION

Flower Garden

Crematory

Service Yard



WEST ELEVATION

Book of Remembrance

Port Cochere

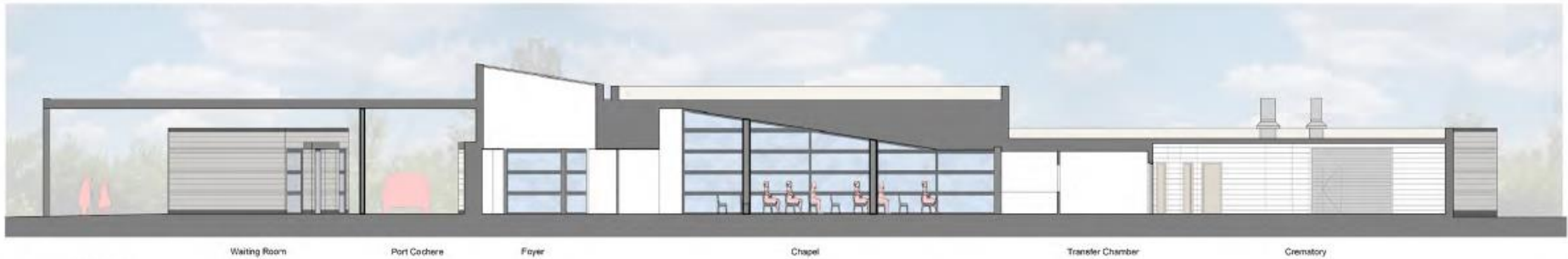
Foyer

Chapel

Flower Garden

Public WC's

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Section A-A



Section B-B



Section C-C

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Ivory fair-face smooth concrete block with courses of split-face ivory linear blocks



Powder-coated aluminium louvres



Powder-coated Aluminium Trim



Atlas smooth blue brick



Dark grey aluminium rainwater pipes



High-quality powder-coated aluminium finish in dark grey



Decorative lintels



Powder-coated aluminium columns

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Cremator

The new crematorium will be fitted with the latest filtration system, so there will be no smoke or smell or emit excessive particulates and noxious gases. The crematorium will also be licensed to operate by the local environmental authority. The licence is renewed annually and environmental health officers periodically inspect the process as part of their regulatory responsibility.

It's difficult to give overall statements regarding pollution from cremators, but here are some facts that can be substantiated:

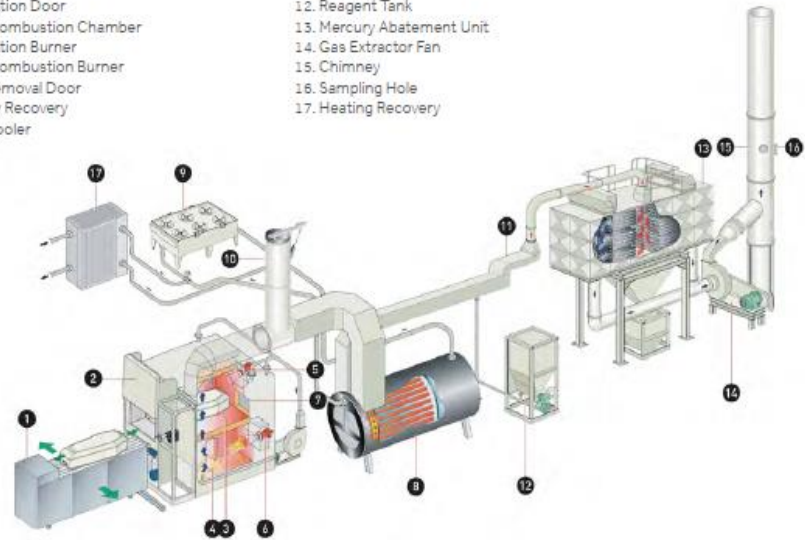
- Carbon monoxide maximum concentrations limits (as prescribed by legislation PG 5/2 (12) for cremator flue gases are about 2½% of those for petrol engine cars.
- Carbon monoxide achieved (measured) figures (from an operational cremator) are typically less than 0.2% of the engine emissions.
- VOC (volatile organic compounds) maximum emission concentrations limits for cremator flue gases are about 1 / 5th of those for petrol engine cars and the achieved (measured) figures are typically less than 1 / 20th of the engine emissions.
- Dioxin emission to atmosphere from 1,000 cremations is of the order of one 200th (0.5%) of the annual dioxin emission from a typical UK oil refinery.
- Dioxin limits on abated cremators are approximately one 10th (10%) of typical emission levels from unabated cremators.

Mercury

The annual mass emission of mercury from unabated cremators in Europe in 2001 was less than 3½% of the total mercury emission from human activities and came behind the following sectors: Coal combustion, cement production, waste disposal, iron and steel production, non-ferrous metal production (mainly lead and zinc) Chlor-alkali industry (manufacture of bleaches, disinfectants etc.), oil combustion, fertiliser manufacture and oil refining.

The emissions of mercury from a cremator fitted with abatement equipment are generally less than 2% of those from an unabated cremator.

1. Coffin Charger with an electronic ram
2. Charging Door
3. Cremation Chamber
4. Post Combustion Chamber
5. Cremation Burner
6. Post Combustion Burner
7. Ash Removal Door
8. Energy Recovery
9. Aerocooler
10. By-pass
11. Reactor
12. Reagent Tank
13. Mercury Abatement Unit
14. Gas Extractor Fan
15. Chimney
16. Sampling Hole
17. Heating Recovery



Woodhatch Crematorium

Questions & Answers

Woodhatch Crematorium: Closing Comments

Cllr Archer, Executive Member for Investment and Companies

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Castlefield Road, Reigate RH2 0SH

Consultation closing date: 8 November 2020