

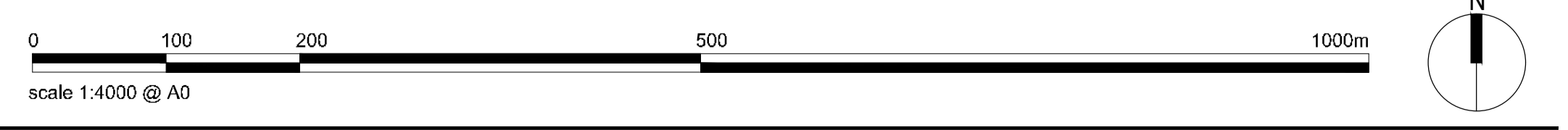
LEGEND

- SCHEME BOUNDARY**
Boundary covering Scheme area.
- PROPOSED FIRST STAGE CHANNEL (permanently wet)**
The new watercourse will meander and contain gravel areas so that it creates an excellent habitat for wildlife.
- PROPOSED SECOND STAGE CHANNEL (only wet when river levels rise)**
This lowered area of land will be managed as floodplain grazing marsh – a mosaic of ponds, ditches, wet grassland and lowland meadow that will be grazed by cattle during the summer.
- EXISTING RIVERS, STREAMS AND DITCHES**
These will be retained and enhanced by introducing in-channel gravel features. In very dry spells the Hogacre Ditch and lower end of the Hinksey Stream will act as backwaters to the River Thames.
- PROPOSED WET WOODLAND**
Proposed wet woodland will be located on ground which is regularly saturated with water; it will consist of wet-tolerant trees and shrubs species. The woodlands will reflect the existing landscape character and patterns of woodland blocks and linear growth and will be located to maintain and enhance the existing network of woodland habitats. Woodlands will have a diverse structure to include trees and shrubs.
- PROPOSED TREES AND WOODLAND SCRUB**
Native woodland will be planted to mitigate for losses during construction, and will be located particularly on drier ground. Woodlands will have a diverse structure to include trees and shrubs.
- PROPOSED WOODLAND EDGE**
Native woodland edge will be planted to mitigate for losses during construction. Woodland edge shrub species add diversity to the edges of blocks of woodland and glades.
- PROPOSED HEDGEROWS WITH TREES**
Hedgerows with trees will be planted to mitigate for losses during construction. Proposed hedgerows will be located along the first stage channel to create linear features to maintain and enhance the existing landscape character.
- PROPOSED DRY MEADOW MIX**
New meadow areas and strips along the proposed second stage channel, will be seeded with native species suitable for drier areas outside of the channel.
- EXISTING MG4a OUTLINE BOUNDARY**
Boundary that defines area of existing MG4a. The proposed alignment of the new second stage channel minimises the loss of MG4a habitat as much as possible.
- NEW FLOODPLAIN MEADOW (AREA OF POTENTIAL MG4a MITIGATION)**
Species-rich floodplain meadow will be created by translocation of existing MG4a and creation of new floodplain meadow using seed and green hay from Hinksey Meadow. The hay meadow will be cut and grazed by cattle during the summer.
- AREA REPLANTED WITH MG4a**
Reinstated MG4a in Hinksey Meadow by seeding in areas where temporary works have resulted in habitat loss. Area to be managed as MG4a.
- AREA OF WILDFLOWER-RICH GRASSLAND**
Grassland area (outside the existing MG4a boundary) to be replanted with MG4a seed mix, but not managed as MG4a.
- LOW SHRUB PLANTING**
Native shrub planting in the second stage in groups around trees near to the first stage channel, to mitigate for losses during construction and to enhance the riparian landscape character.
- TEMPORARY WORKS AREA TO BE SEED**
Area adjacent to the proposed channel (used for access and construction works) will be seeded with grass-based mix post construction and returned to current use.
- NEW AND POTENTIAL PUBLICLY ACCESSIBLE LAND/ EXCHANGE LAND**
Plots of land that will be managed as appropriate to allow public access and enjoyment whilst having regard for biodiversity and landscape character of each area.
- NEW WETLAND FEATURES, SCRAPES, BACKWATERS**
Mosaic of wetland features within the second stage channel, which have irregular, meandering shapes with undulating profiles and varying depths/sizes to maximise ecological potential.
- NEW OFFLINE PONDS AND SCRAPES**
Wetland features that are located outside of the proposed channel, which have the same characteristics with the wetland features within the proposed channel.
- PROPOSED TREES**
Individual or small groups of native trees that will be planted to mitigate for losses during construction. The locations of trees have been selected to maintain and enhance the existing landscape character, replacing some trees that have been lost in specific places e.g. Willow Walk. Others are grouped close to the first stage channel to provide shaded habitat along its length.
- EXISTING TREE TO BE RETAINED**
Existing trees that will be retained.
- EXISTING TREE TO BE REMOVED**
Existing trees that will be removed.
- ROOT PROTECTION AREA**
Area around existing trees to be retained that will be kept clear or with minimum disruption during construction period.
- PROPOSED RIFFLE FEATURE**
Shallow landform consisting of patches of gravel within the proposed first stage channel to create habitat for wildlife and enhance geomorphological diversity.
- BANK RE-GRADING/ MARGINAL SHELF CREATION**
Proposed scrape areas to ensure and improve habitat variety during low flows.
- PROPOSED FLOOD EMBANKMENTS**
Grass embankments have been designed to protect roads and properties, which would otherwise continue to flood.
- PROPOSED FLOOD WALLS**
These will be made of material that is in keeping with the area and will preserve and enhance the existing landscape character.
- PROPOSED MAINTENANCE TRACK AND TURNING AREAS**
Access pathways along the Scheme to allow maintenance activities in the proposed channel. Sown endemic grasses on the track surface will be fully established after 15 years, and the proposed track will merge with the wider landscape.
- REPLACEMENT BRIDGES AND NEW BRIDGES**
New and replacement bridges will be constructed to maintain access routes for cyclists, equestrians, and pedestrians. These bridges have been designed to be in keeping with the landscape setting.
- FORD CROSSING**
Upgrade of existing ford crossing and two new ford crossings along the proposed channel.
- PROPOSED GATE AND FENCE**
New timber post and wire fence and steel gate along the proposed channel, to allow maintenance and to control public access and prevent livestock from entering the proposed channel.

NOTE

This drawing is to be read in conjunction with:

- the proposals for engineering works, refer to drawing IMSE500177-CH2-00-00-VS-C-0027
- Tree Survey Report IMSE500177-CH2-00-00-M2-EN-0213 (Jacobs, 2021)
- Ecology Walkover Survey Report IMSE500177-CH2-XX-00-SU-EN-0715 (Jacobs, 2020)
- Invasive Species Survey maps and report (EcologyLink, 2017 and 2020), and Invasive Species Management Plan.



rev	details	by	date	rev	details	by	date
14	Draft for Planning Application	YA	20.11.2020				
15	Draft for Planning Application	YA	12.07.2021				
16	Issued for Planning Application	YA	19.11.2021				
17	Issued for Planning Application	YA	21.01.2022				
17	Issued for Planning Application	YA	18.02.2022				

Notes

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- This drawing is to be read in conjunction with all other Gillespies drawings and specifications and other consultants drawings as referred.
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- Information to be read in conjunction with Structural Engineer & M&E Engineer drawings & spec. Where any conflict or inconsistency occurs between Gillespies and Engineers drawing and specification information the Contractor is to immediately notify Project Manager prior to continuing working.
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Engineers

OXFORD FLOOD ALLEVIATION SCHEME

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Drawing Status
PLANNING

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