

Maypole Park



East Bank

Path

Long Barn

INFILTRATION BASIN - 01
Total Area: 1.20ha (Highways)
To attenuate flows up to a 1:200 year + 20% Climate Change storm event.
Depth of Pond = 1.5m
Max Depth of Water = 0.519m
Depth of Freeboard = 0.981m
Volume of Storage = 3786.2m³

Outflow/Discharge
Infiltration has been Recorded at the Site:
• In TP3 an infiltration rate of 5.27×10^{-6} m/s has been documented.

INFILTRATION BASIN - 02
Total Area: 4.40ha (Highways, school & civic centre)
To attenuate flows up to a 1:200 year + 20% Climate Change storm event.
Depth of Pond = 2.50m
Max Depth of Water = 1.772m
Depth of Freeboard = 0.728m
Volume of Storage = 6073.5m³

Outflow/Discharge
Infiltration has been Recorded at the Site:
• In TP2 an infiltration rate of 2.76×10^{-5} m/s has been documented.

MEADOW GARDENS DEVELOPMENT

Orchard Business Park

Church Farm House

Crispens Cottage

Church Farm

Grove Lodge

Recreation Ground

Hall

April Cottage

THE TOWPATH

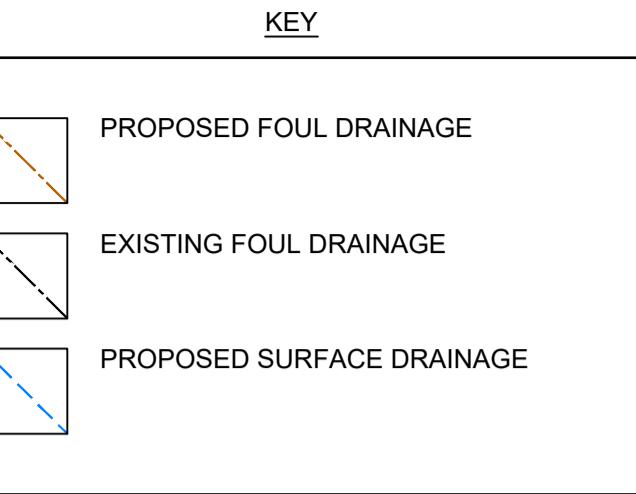
82235

8002

8005

8003

8101



DO NOT SCALE DRAWING

GENERAL NOTES

- All dimensions are millimetres / metres unless noted otherwise. No dimensions to be scaled off this drawing. All dimensions to be checked on site prior to ordering materials.
- This drawing is to be read in conjunction with all relevant Architect's, Engineer's and Specialist's Drawings and the Contract Specification. The Engineer is to be advised of any discrepancies encountered on site during construction works.

NOTES

- This drawing is based on Urban Wilderness drawing number 401-UW-S-008.
- This drawing must be read in conjunction with all relevant NIRAS drawings and specifications for the project.
- All works shall comply with the current Sewerage Sector Guidance and Southern Water amendments thereto.
- Residential surface water is proposed to discharge into soakaways in rear gardens, and permeable paving surfaces in front gardens and driveways.
- Surface water at the school and for development roads is proposed to discharge into the 2 infiltration basins. Other SuDS features close to the surface, such as Rain Gardens and swales are also envisaged.
- Engagement with LLFA and Southern Water will be required to define the SuDS brief and develop the proposals further. A Developer Enquiry with Southern Water will be required in order to confirm capacity of existing networks.
- Existing Southern Water levels for the proposed tie-in points will require pumped foul water connections. A stalling chamber will be provided min 5m from the existing Southern Water Manhole to arrest approaching flow velocities. The pumping stations will be to adoptable standards and will require sufficient access from the public highways for maintenance vehicles.
- Connections to the Southern Water network are subject to a formal Section 104 Agreement.
- Depth of proposed basins subject to change upon completion of detailed drainage design.
- Half drain time of max 1440 minutes not achieved within current basin design, depth of water level for 200yr +20% climate change storm event designed to be less than half the depth of the basins.
- Infiltration basins to include sediment beds at the inlets & weir, constructed from 0.5m x 0.5m x 0.5m gabion boxes filled with stone to provide filtration of solids/silts into the infiltration basin. Dense shrubs/ reed beds can also be planted to provide a greater biodiversity area in accordance with CIRIA 753 SuDS manual. Planting can also be beneficial to help maintain infiltration rates of the soil. Species to be selected based on conditions in the basin, to be advised by Landscape Architect.

P03	19/06/2025	MASTERPLAN UPDATED	ANDI	UQD	UQD
P02	08/05/2025	POSITION OF BASIN 2 AMENDED	ANDI	UQD	UQD
P01	11/03/2025	FIRST ISSUE	ANDI	UQD	UQD

Rev Date Description Drawn Chkd App'd

Client:

SBEPI LTD

Project:

FORD LANE, YAPTON

Drawing Title:

**GENERAL ARRANGEMENT
DRAINAGE STRATEGY**

Scale (at A1): 1:2000 NIR Project No: 79400180

NIRAS
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Status PRELIMINARY Status S3

Drawing No.: 79400180-NIR- ZZ - XX - DR - C - 25100 P03

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