



Notes

- Do not scale this drawing. All dimensions must be checked/verified on site. If in doubt ask.
- This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.
- All dimensions in meters unless noted otherwise. All levels in metres unless noted otherwise.
- Any discrepancies noted on site are to be reported to the engineer immediately.
- This drawing should be printed and read in colour.

Design Notes

- Cover levels in line with Landscape Architect drawings ref P22009-00-001-DZ-0107 Levels Plan, received 27.11.24.
- Connection to ditch subject to Lead Local Flood Authority (LLFA), Environment Agency approval and a Land Drainage Consent.
- Proposed ditch culvert pipework sizes to be agreed with LLFA.
- Infiltration design based on infiltration rate of $6.0 \times 10^{-7} \text{ m/s} = 0.00216 \text{ m/hr}$ (2.16mm/hr). It is recommended that additional testing is undertaken at soakaway formation depth prior to construction.
- Downpipe locations indicative only - to be confirmed by Architect.
- All manhole lids subject to vehicular loading to have D400 lids. All others to be B125.
- Manholes within block paved areas to have recessed lids to allow continuation of surfaces.
- Manhole/chamber access covers to be orientated in the same direction as any hard landscaping pavers/flags.

Legend

- Red line boundary
- Existing private SW drain / manhole
- FW drain (I/D & gradient)
- SW drain (I/D & gradient)
- FW manhole / access chamber
- SW manhole / access chamber
- Hydro-Brake flow control manhole
- Headwall
- Attenuation tank
- Permeable paving
- Existing ditch / watercourse
- Culvert
- Drainage to be abandoned

Abbreviations:

- FW - foul water
- SW - surface water
- CW - combined water
- U/S - upstream
- D/S - downstream
- mAOD - meters above Ordnance Datum
- MH - manhole
- CL - cover level
- IL - invert level
- I/D - internal diameter
- BD - backdrop
- EX - existing

5m SCALE 1:250

P02	03.12.24	Draft Stage 4 Issue	AW	AS
P01	26.07.24	First Issue	AW	AS
Rev	Date	Details of Issue	Drawn	Rwd

Issues & Revisions

Consultant

Client



Project Title

TWYXCROSS ZOO

Drawing Title

SURFACE WATER
DRAINAGE - SHEET 1 OF 2

Drawn By	AW	Reviewed By	AS
Hexa Ref	600902	Scale at A1	1:250

Purpose of Issue	Status
STAGE 4	S3

Project - Originator - Zone - Level - Type - Role - Number	Revision
600902-HEX-XX-XX-DR-C-9200	P02