



5m
SCALE 1:250

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, rev 04 (Acconex download 27/11/24).
- Connection to ditch subject to Lead Local Flood Authority (LLFA), Environment Agency approval and a Land Drainage Consent or Environmental Permit.
- Bin store gully position indicative - a low point to be formed in a suitable location.
- Drainage design based on levels design from Landscape Architect.
- All manhole lids subject to vehicular loading to have D400 lids. All others to be S125.
- 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.
- All foul gullies to be trapped, including gullies with vertical connection.
- Pop-ups positions as per drawings provided by CPW on 27/11/24 - for setting out refer to M&E and Architect drawings.
- All above ground drainage stacks to be provided with roddable access.
- Fat/grease traps, hot flow pipes, chemically resistant drainage requirements to be indicated and specified by others.
- Treatment plant design by others.
- Root barrier required where trees are adjacent drainage runs.

Legend

- Red line boundary
- Existing private SW drain / manhole
- 1500 1:150 FW drain (I/D & gradient)
- 1500 1:150 SW drain (I/D & gradient)
- 1500 1:150 CW drain (I/D & gradient)
- Class Z Pipe Installation
- FW manhole / access chamber
- SW manhole / access chamber
- CW manhole / access chamber
- Pumping station
- Pump emergency storage
- FW rising main
- Headwall
- External gully (FW)
- Downpipe connection (FW)
- Gully connection (FW)
- Drainage to be abandoned

Abbreviations:

FW - foul water	MH - manhole
SW - surface water	CL - cover level
CW - combined water	IL - invert level
U/S - upstream	I/D - internal diameter
D/S - downstream	BD - backdrop
mAOD - meters above Ordnance Datum	EX - existing
C09 10.10.25 Outdated notes removed	ST ST
C08 02.09.25 Pop up updates	ST ST
C07 28.08.25 Pop ups updated	ST ST
C06 08.08.25 Updates in clouded areas	ST ST
C05 05.08.25 Orang cesspool changed to SPEL	ST ST
C04 21.07.25 Updates in clouded areas	ST ST
C03 15.07.25 Updates in clouded areas	KJ ST
C02 11.07.25 Updates in clouded areas	KJ ST
C01 09.07.25 Issued for construction	KJ ST
P03 29.06.25 Issued for comment	ST ST
P02 29.11.24 Issued for comment	AW AS
P01 26.07.24 First issue	AW AS
Rev Date Details of Issue	Drawn Rwd

Issues & Revisions

Consultant

HEXA

Client



HENRY BROTHERS

Project Title

TWYXCROSS ZOO

Drawing Title

FOUL WATER DRAINAGE -
SHEET 1 OF 2

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

Purpose of Issue

FOR CONSTRUCTION

Project - Originator - Zone - Level - Type - Role - Number

TWZ-HEX-00-00-C-9202

Status

N/A

Revision

C09

1 MATCH LINE

1 MATCH LINE

Any pop ups
not connected directly
to a chamber to be roddable

Architects drawings to be used for
pop up setting out